

Revision: E
Effectivity Date: 3/17/05

Production Bill of Material with Reference Designators

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
1	89	EA	1900047P036	CAP 0603 0.010UF 5% 25V X7R	-	C58 - C67, C70 - C81, C83 - C112, C114, C116, C118 C138, C210 - C215, C259 - C266
		Vendor 1:			Vendor 3:	Kemet C0603C103J3RAC
		Vendor 2:	AVX 06033C103JAT2A		Vendor 4:	
2	1	EA	1900115P002	CAP 0603 0.12UF 10% 10V X5R	-	C226
		Vendor 1:	PANASONIC ECJ1VB1A124K		Vendor 3:	
		Vendor 2:			Vendor 4:	
3	2	EA	1900044P034	CAP 0603 0.10UF 10% 16V X7R	-	C177, C208
		Vendor 1:	Panasonic ECJ1VB1C104K		Vendor 3:	Kemet C0603C104K4RAC
		Vendor 2:	AVX 0603YC104KAT2A		Vendor 4:	Murata GRM39X7R104K016AD
4	20	EA	1900048P024	CAP 0603 1000PF 10% 25V NPO	-	C35 - C46, C216 - C223
		Vendor 1:			Vendor 3:	Kemet C0603C102K3GAC
		Vendor 2:	AVX 06033A102KAT2A		Vendor 4:	
5	54	EA	1900052P012	CAP 0603 100PF 5% 50V NPO	-	C1, C3, C4, C6, C7, C10, C12, C14, C15, C17, C18, C20, C21, C23, C24, C27, C29, C31, C32, C34, C139 - C142, C146, C147, C149, C151, C152, C154, C157 - C159, C161, C164, C165, C167, C169, C172, C174, C200 - C207, C241 - C246
		Vendor 1:	Panasonic ECUV1H101JCV		Vendor 3:	Kemet C0603C101J5GAC
		Vendor 2:	AVX 06035A101JAT2A		Vendor 4:	Murata GRM39COG101J050AD

Parent: 1001583G001 Description: BTS INTERFACE CCA-CELLULAR-2ND GEN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
6	2	EA	1900048P003	CAP 0603 18PF 10% 25V NPO	-	C189, C190
		Vendor 1:			Vendor 3:	
		Vendor 2: AVX	06033A180KAT2A		Vendor 4:	
7	1	EA	1900043P026	CAP 0603 0.022UF 5% 16V X7R	-	C47
		Vendor 1:			Vendor 3: Kemet	C0603C223J4RAC
		Vendor 2: AVX	0603YC223JAT2A		Vendor 4:	
9	31	EA	1900047P010	CAP 0603 68PF 5% 25V NPO	-	C2, C5, C8, C9, C11, C13, C16, C19, C22, C25, C26, C28, C30, C33, C143 - C145, C148, C150, C153, C155, C156, C160, C162, C163, C166, C168, C170, C171, C173, C175
		Vendor 1:			Vendor 3:	
		Vendor 2: AVX	06033A680JAT2A		Vendor 4:	
10	1	EA	1900150P027	CAP 0805 1.0UF 10% 10V X5R	-	C225
		Vendor 1: PANASONIC	ECJ2YB1A105K		Vendor 3:	
		Vendor 2:			Vendor 4:	
11	1	EA	1900065P035	CAP 1206 0.68UF 5% 16V X7R	-	C240
		Vendor 1:			Vendor 3: Kemet	C1206C684J4RAC
		Vendor 2: AVX	1206YC684JAT2A		Vendor 4: Murata	GRM42-6X7R684J016AL
12	26	EA	1900155P003	CAP TANT 3216 1.0UF 10% 25V	-	C48 - C57, C191 - C198, C229 - C236
		Vendor 1: AVX	TAJA105K025R		Vendor 3: VISHAY-SPRAGUE	293D105X9025A2T
		Vendor 2: KEMET	T491A105K025AS		Vendor 4:	

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
13	11	EA	1900185P004	CAP TANT 6032 10UF 20% 25V	-	C178 - C187, C248
			Vendor 1: AVX	TAJC106M025R	Vendor 3:	VISHAY-SPRAGUE 293D106X0025C2T
			Vendor 2: KEMET	T491C106M025AS	Vendor 4:	
14	1	EA	1900178P001	CAP TANT 6032 4.7UF 10% 20V	-	C188
			Vendor 1: AVX	TAJC475K020R	Vendor 3:	VISHAY-SPRAGUE 293D475X9020C2T
			Vendor 2: KEMET	T491C475K020AS	Vendor 4:	
15	10	EA	1950013P003	CONN SMA JACK RT BLKHD PCB	-	J1 - J10
			Vendor 1: JOHNSON	142-0701-551	Vendor 3:	
			Vendor 2: MOLEX	73251-220	Vendor 4:	
16	8	EA	1908301P004	COUPLER DIRECTIONAL SMT 11DB	-	U24 - U31
			Vendor 1: AVX	CP0805A0836EW	Vendor 3:	
			Vendor 2:		Vendor 4:	
18	1	EA	1908000P031	AMP RF SIGE DC-5000 MHZ SMD	-	U62
			Vendor 1: SIRENZA	MICRODEVICES SGA-5386	Vendor 3:	
			Vendor 2:		Vendor 4:	
19	4	EA	1902407P001	DETECTOR TRUPWR LINEAR DC-2.5GHZ	-	U66 - U69
			Vendor 1: Analog Devices	AD8361ARM-REEL7	Vendor 3:	
			Vendor 2:		Vendor 4:	
20	2	EA	1906100P008	DUPLEXER CELLULAR	-	U74, U75
			Vendor 1: MURATA	DFYK7836MLDJAC-TT1	Vendor 3:	

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
		Vendor 2:			Vendor 4:	
21	1	EA	1902200P004	EEPROM 2 WIRE SERIAL	-	U45
		Vendor 1:	ATMEL	AT34C02N-10SI-2.7	Vendor 3:	
		Vendor 2:			Vendor 4:	
22	6	EA	1906003P005	FILTER RF 836.5 MHZ TX	-	FL1 - FL6
		Vendor 1:	SAWTEK	855779	Vendor 3:	
		Vendor 2:			Vendor 4:	
23	2	EA	1906003P015	FILTER BP SAW 881.5MHZ 25 MHZ BAND		1 FL7, FL8
		Vendor 1:	SAWTEK	855782	Vendor 3:	
		Vendor 2:			Vendor 4:	
24	1	EA	1902406P006	PLL FRACTIONAL RF SYNTH 2.6GHZ	-	U56
		Vendor 1:	NATIONAL SEMINCONDUCTOR	LMX2364TM	Vendor 3:	
		Vendor 2:			Vendor 4:	
25	1	EA	1950203P002	HEADER PCB RT < PTH 1X3 SHRD	-	J16
		Vendor 1:	MOLEX	39-30-3035	Vendor 3:	
		Vendor 2:			Vendor 4:	
26	3	EA	1902801P001	I2C 16 BIT I/O EXPANDER	-	U40 - U42
		Vendor 1:	Philips	PCF8575TSDB-T	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1001583G001 Description: BTS INTERFACE CCA-CELLULAR-2ND GEN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
27	1	EA	1902006P068	IC 4 CHAN I2C MULTIPLEXER Vendor 1: PHILIPS PCA9544PW Vendor 2:	-	U46 Vendor 3: Vendor 4:
28	1	EA	1902006P081	IC HOT SWAP I2C BUFFER Vendor 1: LINEAR TECHNOLOGY LTC4300-1IMS8 Vendor 2:		1 U44 Vendor 3: Vendor 4:
29	2	EA	1900306P003	IND 0603 10NH 5% MLC 2850MHZ Vendor 1: Toko LL1608-FH10NJ Vendor 2: Central Technologies CTLL1608-FH10NJ	-	L22, L23 Vendor 3: Vendor 4:
30	4	EA	1900305P008	IND 0603 4.7NH +/-0.3NH MLC 4800MHZ Vendor 1: Toko LL1608-FH4N7S Vendor 2: Central Technologies CTLL1608-FH4N7S	-	L49 - L52 Vendor 3: PANASONIC ELJ-RE4N7JF2 Vendor 4:
31	1	EA	1900327P028	IND 1008 1.0UH 10% WW 290MHZ Vendor 1: Coilcraft 1008CS-102XKBC Vendor 2: KOA KQ1008TE1R0K	-	L33 Vendor 3: JW Miller PM1008-1R0K Vendor 4:
32	1	EA	1900325P029	IND 1008 2.2UH 2% WW 160MHZ Vendor 1: Coilcraft 1008CS-222XGBC Vendor 2: KOA KQ1008TE2R2G	-	L24 Vendor 3: Pulse PE-1008CD222GTT Vendor 4:
33	1	EA	1900327P005	IND 1008 22NH 10% WW 2400MHZ Vendor 1: Coilcraft 1008CS-220XKBC	-	L34 Vendor 3: JW Miller PM1008-22NK

Parent: 1001583G001 Description: BTS INTERFACE CCA-CELLULAR-2ND GEN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2: KOA	KQ1008TE22NK		Vendor 4:
34	6	EA	1900327P009	IND 1008 47NH 10% WW 1500MHZ	-	L43 - L48
			Vendor 1: Coilcraft	1008CS-470XKBC		Vendor 3: JW Miller PM1008-47NK
			Vendor 2: KOA	KQ1008TE47NK		Vendor 4:
35	12	EA	1900326P012	IND 1008 82NH 5% WW 1000MHZ	-	L16 - L21, L25 - L30
			Vendor 1: Coilcraft	1008CS-820XJBC		Vendor 3: JW Miller PM1008-82NJ
			Vendor 2: KOA	KQ1008TE82NJ		Vendor 4:
37	2	EA	1950351P011	JACK MODULAR RJ-45 SHIELDED LOW PF-		J14, J15
			Vendor 1: MOLEX	44050-0003		Vendor 3:
			Vendor 2:			Vendor 4:
38	1	EA	1901100P013	LED 3MM GREEN	-	D2
			Vendor 1: LEDTRONICS	PCL120TG5N-LC		Vendor 3:
			Vendor 2:			Vendor 4:
39	1	EA	1901100P014	LED 3MM PCB RED	-	D1
			Vendor 1: LEDTRONICS	PCL120TR5N-LC		Vendor 3:
			Vendor 2:			Vendor 4:
40	3	EA	1901100P016	LED 3MM PCB YELLOW	-	D3 - D5
			Vendor 1: LEDTRONICS	PCL120TY5N-LC		Vendor 3:
			Vendor 2:			Vendor 4:

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
42	1	EA	1908700P015	SPLITTER RF 2-WAY SUR MNT Vendor 1: MINI CIRCUITS BP2G Vendor 2:	-	U35 Vendor 3: Vendor 4:
43	6	EA	1908700P018	SPLITTER RF 2-WAY SUR MNT Vendor 1: MIN-CIRCUITS BP2C Vendor 2:	-	U20 - U23, U32, U34 Vendor 3: Vendor 4:
44	1	EA	1902800P013	IC I2C 8 CHANNEL 12 BIT DAC 0/+70 Vendor 1: MAXIM MAX127BCAI Vendor 2:	-	U47 Vendor 3: Vendor 4:
45	7	EA	1903801P008	SWITCH SMD SPDT HIGH POWER MOSFE- Vendor 1: PEREGRINE SEMICONDUCTOR PE4237 Vendor 2:	-	SW1 - SW6, U33 Vendor 3: Vendor 4:
46	9	EA	1900003P001	RES 0603 0 OHM JUMPER Vendor 1: AVX CJ10-000-T Vendor 2: PANASONIC ERJ3GSYJ000V	-	R127, R158, R159, R163, R168, R169, R172, R191, R192 Vendor 3: DALE CRCW0603000RT1 Vendor 4: KOA RM73Z1JT
47	14	EA	1900003P290	RES 0603 10 KOHM 1/16W 1% Vendor 1: AVX CR10-1002F-T Vendor 2: PANASONIC ERJ3EKF1002V	-	R23 - R26, R28, R112 - R117, R222, R223, REWK-R1 Vendor 3: DALE CRCW06031002FRT1 Vendor 4: KOA RK73H1JT1002F

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
48	1	EA	1900004P097	RES 0603 100 KOHM 1/16W 5%	-	R144
			Vendor 1: AVX	CR10-104J-T		Vendor 3: DALE CRCW0603104JRT1
			Vendor 2: PANASONIC	ERJ3GSYJ104V		Vendor 4: KOA RM73B1JT104J
49	2	EA	1900004P025	RES 0603 100 OHM 1/16W 5%	-	R87, R155
			Vendor 1: AVX	CR10-101J-T		Vendor 3: DALE CRCW0603101JRT1
			Vendor 2: PANASONIC	ERJ3GSYJ101V		Vendor 4: KOA RM73B1JT101J
50	44	EA	1900004P049	RES 0603 1000 OHM 1/16W 5%	-	R58, R60 - R79, R81 - R83, R85, R86, R88 - R98, R139 - R143, R219, R221
			Vendor 1: AVX	CR10-102J-T		Vendor 3: DALE CRCW0603102JRT1
			Vendor 2: PANASONIC	ERJ3GSYJ102V		Vendor 4: KOA RM73B1JT102J
51	3	EA	1900004P003	RES 0603 12 OHM 1/16W 5%	-	R55, R56, R202
			Vendor 1: AVX	CR10-120J-T		Vendor 3: DALE CRCW0603120JRT1
			Vendor 2: PANASONIC	ERJ3GSYJ120V		Vendor 4: KOA RM73B1JT120J
52	4	EA	1900004P027	RES 0603 120 OHM 1/16W 5%	-	R29 - R32
			Vendor 1: AVX	CR10-121J-T		Vendor 3: DALE CRCW0603121JRT1
			Vendor 2: PANASONIC	ERJ3GSYJ121V		Vendor 4: CAL-CHIP RM06J121CT
54	1	EA	1900004P037	RES 0603 330 OHM 1/16W 5%	-	R128
			Vendor 1: AVX	CR10-331J-T		Vendor 3: DALE CRCW0603331JRT1
			Vendor 2: PANASONIC	ERJ3GSYJ331V		Vendor 4: KOA RM73B1JT331J
55	8	EA	1900004P029	RES 0603 150 OHM 1/16W 5%	-	R7 - R10, R130, R131, R203, R204
			Vendor 1: AVX	CR10-151J-T		Vendor 3: DALE CRCW0603151JRT1

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2:	PANASONIC ERJ3GSYJ151V		Vendor 4: KOA RM73B1JT151J
56	5	EA	1900004P007	RES 0603 18 OHM 1/16W 5%	-	R16 - R18, R208, R211
			Vendor 1:	AVX CR10-180J-T		Vendor 3: DALE CRCW0603180JRT1
			Vendor 2:	PANASONIC ERJ3GSYJ180V		Vendor 4: CAL-CHIP RM06J180CT
57	2	EA	1900004P080	RES 0603 20 KOHM 1/16W 5%	-	R110, R111
			Vendor 1:	AVX CR10-203J-T		Vendor 3: DALE CRCW0603203JRT1
			Vendor 2:	PANASONIC ERJ3GSYJ203V		Vendor 4: KOA RM73B1JT203J
58	4	EA	1900003P138	RES 0603 261 OHM 1/16W 1%	-	R123 - R126
			Vendor 1:	AVX CR10-2610F-T		Vendor 3: DALE CRCW06032610FRT1
			Vendor 2:	PANASONIC ERJ3EKF2610V		Vendor 4: KOA RK73H1JT2610F
59	7	EA	1900004P036	RES 0603 300 OHM 1/16W 5%	-	R11 - R13, R206, R207, R209, R210
			Vendor 1:	AVX CR10-301J-T		Vendor 3: DALE CRCW0603301JRT1
			Vendor 2:	PANASONIC ERJ3GSYJ301V		Vendor 4: KOA RM73B1JT301J
60	1	EA	1900004P085	RES 0603 33 KOHM 1/16W 5%	-	R138
			Vendor 1:	AVX CR10-333J-T		Vendor 3: DALE CRCW0603333JRT1
			Vendor 2:	PANASONIC ERJ3GSYJ333V		Vendor 4: KOA RM73B1JT333J
61	4	EA	1900004P014	RES 0603 36 OHM 1/16W 5%	-	R14, R15, R132, R205
			Vendor 1:	AVX CR10-360J-T		Vendor 3: DALE CRCW0603360JRT1
			Vendor 2:	PANASONIC ERJ3GSYJ360V		Vendor 4: KOA RM73B1JT360J

Parent: 1001583G001 Description: BTS INTERFACE CCA-CELLULAR-2ND GEN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
62	3	EA	1900004P039	RES 0603 390 OHM 1/16W 5%	-	R118, R119, R121
			Vendor 1: AVX CR10-391J-T			Vendor 3: DALE CRCW0603391JRT1
			Vendor 2: PANASONIC ERJ3GSYJ391V			Vendor 4: KOA RM73B1JT391J
63	1	EA	1900003P491	RES 0603 165 OHM 1/16W 1%	-	R129
			Vendor 1: PANASONIC ERJ3EKF1650V			Vendor 3:
			Vendor 2: DALE CRCW06031650FRT1			Vendor 4:
65	6	EA	1900004P040	RES 0603 430 OHM 1/16W 5%	-	R49 - R52, R200, R201
			Vendor 1: AVX CR10-431J-T			Vendor 3: DALE CRCW0603431JRT1
			Vendor 2: PANASONIC ERJ3GSYJ431V			Vendor 4: KOA RM73B1JT431J
66	12	EA	1900004P018	RES 0603 51 OHM 1/16W 5%	-	R33 - R43, R136
			Vendor 1: AVX CR10-510J-T			Vendor 3: DALE CRCW0603510JRT1
			Vendor 2: PANASONIC ERJ3GSYJ510V			Vendor 4: BOURNS CR0603JW510E
67	2	EA	1900003P072	RES 0603 53.6 OHM 1/16W 1%	-	R153, R154
			Vendor 1: AVX CR10-53R6F-T			Vendor 3: DALE CRCW060353R6FRT1
			Vendor 2: PANASONIC ERJ3EKF53R6V			Vendor 4: KOA RK73H1JT53R6F
69	4	EA	1900013P003	RES 1210 12 OHM 1/4W 5%	-	R19 - R22
			Vendor 1:			Vendor 3: DALE CRCW1210120JRT1
			Vendor 2: PANASONIC ERJ14YJ120U			Vendor 4: KOA RM73B2ET120J
70	7	EA	1900013P004	RES 1210 13 OHM 1/4W 5%	-	R146 - R152
			Vendor 1:			Vendor 3: DALE CRCW1210130JRT1

Parent: 1001583G001 Description: BTS INTERFACE CCA-CELLULAR-2ND GEN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2: PANASONIC	ERJ14YJ130U		Vendor 4: KOA RM73B2ET130J
71	3	EA	1900013P020	RES 1210 62 OHM 1/4W 5%	-	R1, R4, R137
			Vendor 1:			Vendor 3: DALE CRCW1210620JRT1
			Vendor 2: PANASONIC	ERJ14YJ620U		Vendor 4: KOA RM73B2ET620J
72	2	EA	1902407P002	RF DET/CONT 45DB 100-2500 MHZ	-	U64, U65
			Vendor 1: ANALOG DEVICES	AD8314		Vendor 3:
			Vendor 2:			Vendor 4:
73	1	EA	1908100P024	MIXER RF 40-2500MHZ 10 DB LOW SMD		1 U63
			Vendor 1: MINI-CIRCUITS	SYM-25DLHW		Vendor 3:
			Vendor 2:			Vendor 4:
75	1	EA	1901000P007	TRANSISTOR BAIS RESISTOR NPN	-	U48
			Vendor 1: ON SEMICONDUCTOR	MUN5211T1		Vendor 3:
			Vendor 2:			Vendor 4:
76	1	EA	1901000P008	TRANSISTOR BJT PNP	-	Q1
			Vendor 1: MOTOROLA	MMBT2907ALT1		Vendor 3:
			Vendor 2:			Vendor 4:
77	1	EA	1904300P023	VCO 530-670 MHZ	-	U57
			Vendor 1: Z-COMMUNICATIONS	CLV0600A		Vendor 3:
			Vendor 2:			Vendor 4:

Parent: 1001583G001 Description: BTS INTERFACE CCA-CELLULAR-2ND GEN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
78	1	EA	1904100P007	VCTCXO 1PPM 0-50C 18.0MHZ	-	U58
			Vendor 1: RAKON LTD	VTXO710R18.0MHZ		Vendor 3:
			Vendor 2:			Vendor 4:
79	1	EA	1904300P020	VCO 1400-1486 MHZ	-	U55
			Vendor 1: Z-COMMUNICATIONS	CLV1440E		Vendor 3:
			Vendor 2:			Vendor 4:
80	2	EA	1903003P003	VOLTAGE REGULATOR	-	U49, U50
			Vendor 1: ON SEMICONDUCTOR	MC7806BD2T		Vendor 3:
			Vendor 2:			Vendor 4:
81	1	EA	1903003P002	VOLTAGE REGULATOR 5V 0.5A SMD	-	C199
			Vendor 1: ON SEMICONDUCTOR	MC78M05CDT		Vendor 3:
			Vendor 2:			Vendor 4:
82	3	EA	1903000P006	VOLTAGE REGULATOR 5V LDO 0.1A	-	U59 - U61
			Vendor 1: Linear Technology	LT1761ES5-5		Vendor 3:
			Vendor 2:			Vendor 4:
83	3	EA	1903000P007	VOLTAGE REGULATOR ADJ LDO 0.5A	-	U52 - U54
			Vendor 1: Linear Technology	LT1763CS8		Vendor 3:
			Vendor 2:			Vendor 4:
84	1	EA	1903000P013	VOLT REGULATOR LOW NOISE 3.3V 1.5A	-	U51
			Vendor 1: LINEAR TECHNOLOGIES	LT1963AEST-3.3		Vendor 3:

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2:		Vendor 4:	
86	4	EA	1908000P030	AMP GAAS DC-3000MHZ GAIN BLOCK	-	U10 - U13
			Vendor 1:	WJ COMMUNICATIONS AG604-89	Vendor 3:	
			Vendor 2:		Vendor 4:	
87	6	EA	1908000P015	AMP RF SIGE DC-1800 MHZ SMD	-	U3 - U8
			Vendor 1:	STANFORD MICRODEVICES SGA-6486	Vendor 3:	
			Vendor 2:		Vendor 4:	
88	1	EA	1908000P016	AMP RF SIGE DC-2500 MHZ SMD	-	U9
			Vendor 1:	STANFORD MICRODEVICES SGA-6586	Vendor 3:	
			Vendor 2:		Vendor 4:	
89	5	EA	1920003P040	ATTENUATOR GAAS 5 BIT DIGITAL 1DB	-	U14 - U17, U71
			Vendor 1:	ALPHA INDUSTRIES AA101-80	Vendor 3:	
			Vendor 2:		Vendor 4:	
93	1	EA	1900064P048	CAP 0805 0.10UF 10% 50V X7R	-	C115
			Vendor 1:	Panasonic ECJ2YB1H104K	Vendor 3:	Kemet C0805C104K5RAC
			Vendor 2:	AVX 08055C104KAT2A	Vendor 4:	
94	1	EA	1900055P039	CAP 0805 0.33UF 10% 16V X7R	-	C113
			Vendor 1:	Panasonic ECJ2YB1C334K	Vendor 3:	Kemet C0805C334K4RAC
			Vendor 2:	AVX 0805YC334KAT2A	Vendor 4:	Murata GRM40X7R334K016AL

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
97	4	EA	1900012P021	RES 1210 15.8 OHM 1/4W 1%	-	R3, R6, R190, R193
		Vendor 1:			Vendor 3:	DALE CRCW121015R8FRT1
		Vendor 2:	PANASONIC ERJ14NF15R8U		Vendor 4:	KOA RK73H2ET15R8F
98	1	EA	1900003P385	RES 0603 97.6 KOHM 1/16W 1%	-	R188
		Vendor 1:	AVX CR10-9762F-T		Vendor 3:	DALE CRCW06039762FRT1
		Vendor 2:	PANASONIC ERJ3EKF9762V		Vendor 4:	KOA RK73H1JT9762F
99	1	EA	1902006P083	HOT SWAP SINGLE SUPPLY CONTROLLE-		U76
		Vendor 1:	LINEAR TECHNOLOGY LTC4211CS8		Vendor 3:	
		Vendor 2:	MICREL MIC2582-JBM		Vendor 4:	
100	2	EA	1908000P032	AMP RF SIGE DC-3000MHZ 5V SMD SOT8!-		U37, U39
		Vendor 1:	SIRENZA MICROWAVE SGA-7489		Vendor 3:	
		Vendor 2:			Vendor 4:	
101	1	EA	1900009P488	RES 1206 62 KOHM 1/4W 5%	-	R194
		Vendor 1:	PANASONIC ERJ8GEYJ623V		Vendor 3:	AVX CR32-623J-T
		Vendor 2:	DALE CRCW1206623JRT1		Vendor 4:	
102	3	EA	1900004P010	RES 0603 24 OHM 1/16W 5%	-	R53, R54, R145
		Vendor 1:	AVX CR10-240J-T		Vendor 3:	DALE CRCW0603240JRT1
		Vendor 2:	PANASONIC ERJ3GSYJ240V		Vendor 4:	KOA RM73B1JT240J
103	6	EA	1900004P033	RES 0603 220 OHM 1/16W 5%	-	R45 - R48, R101, R102
		Vendor 1:	AVX CR10-221J-T		Vendor 3:	DALE CRCW0603221JRT1

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2: PANASONIC	ERJ3GSYJ221V		Vendor 4: KOA RM73B1JT221J
106	1	EA	1900003P299	RES 0603 12.4 KOHM 1/16W 1%	-	R189
			Vendor 1: AVX	CR10-1242F-T		Vendor 3: DALE CRCW06031242FRT1
			Vendor 2: PANASONIC	ERJ3EKF1242V		Vendor 4: KOA RK73H1JT1242F
107	1	EA	1901000P014	TRANSISTOR MOSFET N CHANNEL	-	U77
			Vendor 1: INTERNATIONAL RECTIFIER	IRF7413		Vendor 3:
			Vendor 2:			Vendor 4:
108	1	EA	1900055P042	CAP 0805 0.56UF 10% 10V X5R	-	C237
			Vendor 1: PANASONIC	ECJ2YB1A564K		Vendor 3:
			Vendor 2:			Vendor 4:
109	1	EA	1900043P029	CAP 0603 0.015UF 5% 50V X7R	-	C209
			Vendor 1: AVX	06035C153JAT2A		Vendor 3:
			Vendor 2: KEMET	C0603C153J5RAC		Vendor 4:
111	2	EA	1908000P008	AMP RF SIGE DC-3.5GHZ SMD	-	U36, U38
			Vendor 1: STANFORD MICRODEVICES	SGA-6286-TR1		Vendor 3:
			Vendor 2:			Vendor 4:
112	17	EA	1900327P007	IND 1008 33NH 10%WW 1600MHZ	-	L1, L2, L4, L6 - L9, L11, L13, L14, L36 - L42
			Vendor 1: COILCRAFT	1008CS-330XKBC		Vendor 3: KOA KQ1008-TE33NK
			Vendor 2: PANASONIC	ELJ-NC33NKF		Vendor 4:

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
113	2	EA	1900013P010	RES 1210 24 OHM 1/4W 5%	-	R2, R5
		Vendor 1:			Vendor 3:	DALE CRCW1210240JRT1
		Vendor 2:	PANASONIC	ERJ14YJ240U	Vendor 4:	KOA RM73B2ET240J
114	2	EA	1908000P010	AMP RF SIGE DC-5.0 GHZ SMD	-	U1, U2
		Vendor 1:	STANDORD	MICRODEVICES SGA-4186	Vendor 3:	
		Vendor 2:			Vendor 4:	
118	2	EA	1900400P002	FERRITE 4A 250 OHM 220 SMD	-	L3, L5
		Vendor 1:	STEWART	HI2220P251R-00	Vendor 3:	
		Vendor 2:			Vendor 4:	
119	3	EA	1900003P488	RES 0603 16.5 OHM 1% 1/16W	-	R133 - R135
		Vendor 1:	PANASONIC	ERJ3EKF16R5V	Vendor 3:	
		Vendor 2:	KOA	RK73H1JLTP16R5F	Vendor 4:	
120	1	EA	1900004P150	RES 0603 5.6 OHM 1/16W 5%		REWK-R2
		Vendor 1:	AVX	CR10-5R6J-T	Vendor 3:	DAL CRCW06035R6JT
		Vendor 2:	PANASONIC	ERJ3GSYJ5R6V	Vendor 4:	
121	1	EA	1900212P006	UNIDIRECTIONAL TRANSIENT SUPPRESS-		REWK-D1
		Vendor 1:	LITEON	SMA12A	Vendor 3:	
		Vendor 2:	ON SEMICONDUCTOR	1SMA12AT3	Vendor 4:	
122	1	EA	1900084P003	CAP 1210 0.47UF 10% 25V X7R	-	REWK-C1
		Vendor 1:			Vendor 3:	

Parent:	1001583G001	Description:	BTS INTERFACE CCA-CELLULAR-2ND GEN		
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev. Reference Designator
		Vendor 2:	AVX 12103C474KAT2A		Vendor 4:
500	1	EA	1001371P001	BTS INTERFACE PWB	C
		Vendor 1:			Vendor 3:
		Vendor 2:			Vendor 4:
501	0	EA	1001583-ASSY	BTS INTERFACE CCA ASSY DRAWING	A
		Vendor 1:			Vendor 3:
		Vendor 2:			Vendor 4:
502	0	EA	1001584	BTS INTERFACE SCH 2ND GEN CELLULAIC	
		Vendor 1:			Vendor 3:
		Vendor 2:			Vendor 4:
504	0	EA	1001345	BTS INTERFACE MODULE REQMTS SPEC	
		Vendor 1:			Vendor 3:
		Vendor 2:			Vendor 4:
510	0	EA	1001583-RWK	2ND GEN BTS INTF CCA REWORK INST.	C
		Vendor 1:			Vendor 3:
		Vendor 2:			Vendor 4:

*** END OF REPORT ***

Revision: K
Effectivity Date: 3/9/05

Production Bill of Material with Reference Designators

Parent:	1000868G001	Description:	CCA FORWARD SIMULCAST			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
1	112	EA	1900000P035	RES 0402 22.1 OHM 1/16W 1%	-	R48 - R159
			Vendor 1:	AVX CR05-22R1F-T	Vendor 3:	DALE CRCW040222R1FRT1
			Vendor 2:	PANASONIC ERJ2RKF22R1X	Vendor 4:	KOA RK73H1ET22R1F
2	8	EA	1900003P001	RES 0603 0 OHM JUMPER	-	R216, R217, R224, R228, R230 - R233
			Vendor 1:	AVX CJ10-000-T	Vendor 3:	DALE CRCW0603000RT1
			Vendor 2:	PANASONIC ERJ3GSYJ000V	Vendor 4:	KOA RM73Z1JT
3	1	EA	1900003P194	RES 0603 1000 OHM 1/16W 1%	-	R171
			Vendor 1:	AVX CR10-1001F-T	Vendor 3:	DALE CRCW06031001FRT1
			Vendor 2:	PANASONIC ERJ3EKF1001V	Vendor 4:	KOA RK73H1JT1001F
4	22	EA	1900003P290	RES 0603 10 KOHM 1/16W 1%	-	R17 - R23, R172, R173, R176 - R180, R188, R191 - R197
			Vendor 1:	AVX CR10-1002F-T	Vendor 3:	DALE CRCW06031002FRT1
			Vendor 2:	PANASONIC ERJ3EKF1002V	Vendor 4:	KOA RK73H1JT1002F
5	6	EA	1900003P320	RES 0603 20 KOHM 1/16W 1%	-	R174, R175, R212 - R215
			Vendor 1:	AVX CR10-2002F-T	Vendor 3:	DALE CRCW06032002FRT1
			Vendor 2:	PANASONIC ERJ3EKF2002V	Vendor 4:	KOA RK73H1JT2002F
6	1	EA	1900003P386	RES 0603 100 KOHM 1/16W 1%	-	R207
			Vendor 1:	AVX CR10-1003F-T	Vendor 3:	DALE CRCW06031003FRT1
			Vendor 2:	PANASONIC ERJ3EKF1003V	Vendor 4:	KOA RK73H1JT1003F

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
7	4	EA	1900003P390	RES 0603 110 KOHM 1/16W 1%	-	R208 - R211
			Vendor 1: AVX CR10-1103F-T		Vendor 3: DALE CRCW06031103FRT1	
			Vendor 2: PANASONIC ERJ3EKF1103V		Vendor 4: KOA RK73H1JT1103F	
8	17	EA	1900004P013	RES 0603 33 OHM 1/16W 5%	-	R32 - R47, REWK-R234
			Vendor 1: AVX CR10-330J-T		Vendor 3: DALE CRCW0603330JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ330V		Vendor 4: KOA RM73B1JT330J	
9	10	EA	1900004P018	RES 0603 51 OHM 1/16W 5%	-	R24 - R31, R187, REWK-R235
			Vendor 1: AVX CR10-510J-T		Vendor 3: DALE CRCW0603510JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ510V		Vendor 4: BOURNS CR0603JW510E	
10	1	EA	1900004P025	RES 0603 100 OHM 1/16W 5%	-	R185
			Vendor 1: AVX CR10-101J-T		Vendor 3: DALE CRCW0603101JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ101V		Vendor 4: KOA RM73B1JT101J	
11	1	EA	1900004P035	RES 0603 270 OHM 1/16W 5%	-	R189
			Vendor 1: AVX CR10-271J-T		Vendor 3: DALE CRCW0603271JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ271V		Vendor 4: KOA RM73B1JT271J	
12	1	EA	1900004P039	RES 0603 390 OHM 1/16W 5%	-	R190
			Vendor 1: AVX CR10-391J-T		Vendor 3: DALE CRCW0603391JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ391V		Vendor 4: KOA RM73B1JT391J	
13	5	EA	1900004P051	RES 0603 1200 OHM 1/16W 5%	-	R218 - R222

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: AVX CR10-122J-T		Vendor 3: DALE CRCW0603122JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ122V		Vendor 4: KOA RM73B1JT122J	
14	8	EA	1900004P065	RES 0603 4700 OHM 1/16W 5%	-	R160 - R165, R198, REWK-R237
			Vendor 1: AVX CR10-472J-T		Vendor 3: DALE CRCW0603472JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ472V		Vendor 4: KOA RM73B1JT472J	
15	8	EA	1900050P020	CAP 0603 15PF 1% 50V NPO	-	C192 - C199
			Vendor 1: AVX 06035A150FAT2A		Vendor 3:	
			Vendor 2: MURATA GRM39C0G150F050AD		Vendor 4:	
16	27	EA	1900043P010	CAP 0603 1000PF 5% 16V X7R	-	C1 - C27
			Vendor 1:		Vendor 3: Kemet C0603C102J4RAC	
			Vendor 2: AVX 0603YC102JAT2A		Vendor 4:	
17	32	EA	1900043P022	CAP 0603 0.010UF 5% 16V X7R	-	C247 - C278
			Vendor 1:		Vendor 3: Kemet C0603C103J4RAC	
			Vendor 2: AVX 0603YC103JAT2A		Vendor 4:	
18	177	EA	1900044P034	CAP 0603 0.10UF 10% 16V X7R	-	C28, C30 - C37, C39 - C48, C50 - C57, C59 - C68, C70 - C77, C79 - C88, C90 - C97, C99 - C122, C124 - C151, C204 - C246, C345 - C363
			Vendor 1: Panasonic ECJ1VB1C104K		Vendor 3: Kemet C0603C104K4RAC	
			Vendor 2: AVX 0603YC104KAT2A		Vendor 4: Murata GRM39X7R104K016AD	
19	9	EA	1900065P037	CAP 1206 1.0UF 5% 16V X7R	-	C279 - C287
			Vendor 1:		Vendor 3: Kemet C1206C105J4RAC	
			Vendor 2: AVX 1206YC105JAT2A		Vendor 4: Murata GRM42-6X7R105J016AL	

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
20	41	EA	1900152P009	CAP TANT 3216 10UF 10V 10% LOW ESR	1	C152 - C191, C200
			Vendor 1: KEMET T494A106K010AS		Vendor 3:	
			Vendor 2:		Vendor 4:	
21	8	EA	1900152P010	CAP TANT 3216 4.7UF 10% 10V LOW ESR	1	C337 - C344
			Vendor 1: KEMET T494A475K010AS		Vendor 3:	
			Vendor 2: AVX TPSA475K010R1400		Vendor 4:	
22	32	EA	1900153P007	CAP TANT 3216 3.3UF 16V 10% LOW ESR	1	C288 - C319
			Vendor 1: KERMET T494A335K016AS		Vendor 3:	
			Vendor 2: AVX TPSA335K016R3500		Vendor 4:	
23	17	EA	1900177P006	CAP TANT 6032 10UF 10% 16V	1	C320 - C336
			Vendor 1: KEMET T494C106K016AS		Vendor 3: PANASONIC EEJL1DC106R	
			Vendor 2: AVX TPSC106K016R0600		Vendor 4:	
24	3	EA	1900159P007	CAP 3216 1.0UF 20% 16V TAN	-	C201 - C203
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4: PANASONIC ECSH1CY105R	
25	8	EA	1900325P009	IND 1008 82NH 2% WW 1000MHZ	-	L10 - L17
			Vendor 1: Coilcraft 1008CS-820XGBC		Vendor 3: Pulse PE-1008CD820GTT	
			Vendor 2: KOA KQ1008TE82NG		Vendor 4:	
26	3	EA	1900328P036	IND 1008 4.7UH 20% WW 90MHZ	-	L1 - L3

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: Coilcraft 1008CS-472XMBC		Vendor 3: JW Miller	PM1008-4R7M
			Vendor 2: KOA KQ1008TE4R7M		Vendor 4:	
27	1	EA	1901000P007	TRANSISTOR BAIS RESISTOR NPN	-	U36
			Vendor 1: ON SEMICONDUCTOR MUN5211T1		Vendor 3:	
			Vendor 2:		Vendor 4:	
28	2	EA	1901000P014	TRANSISTOR MOSFET N CHANNEL	-	U58, U59
			Vendor 1: INTERNATIONAL RECTIFIER IRF7413		Vendor 3:	
			Vendor 2:		Vendor 4:	
29	1	EA	1901100P013	LED 3MM GREEN	-	D2
			Vendor 1: LEDTRONICS PCL120TG5N-LC		Vendor 3:	
			Vendor 2:		Vendor 4:	
30	1	EA	1901100P014	LED 3MM PCB RED	-	D1
			Vendor 1: LEDTRONICS PCL120TR5N-LC		Vendor 3:	
			Vendor 2:		Vendor 4:	
31	1	EA	1902006P042	16 BIT LVDS SERIALIZER/ DESERIALIZE	-	U31
			Vendor 1: NATIONAL SEMICOND DS92LV16TVHG		Vendor 3:	
			Vendor 2:		Vendor 4:	
32	1	EA	1902006P044	I2C EXPANDER SOIC 20		1 U25
			Vendor 1: PHILLIPS SEMICONDUCTOR PCF8574AT		Vendor 3:	
			Vendor 2: TEXAS INSTRUMENTS PCF8574ADW		Vendor 4:	

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
33	1	EA	1902006P045	HOT SWAP PCI PWR CONTROLLER	-	U57
		Vendor 1:	MICREL INC	MIC2580-1.0BTS	Vendor 3:	
		Vendor 2:			Vendor 4:	
35	1	EA	1902006P068	IC 4 CHAN I2C MULTIPLEXER	-	U35
		Vendor 1:	PHILIPS	PCA9544PW	Vendor 3:	
		Vendor 2:			Vendor 4:	
36	5	EA	1902006P080	IC 2X2 800 MBPS LVDS CROSST SWITCH -		U52 - U56
		Vendor 1:	NATIONAL	DS90CP22M-8	Vendor 3:	
		Vendor 2:			Vendor 4:	
37	1	EA	1902006P081	IC HOT SWAP I2C BUFFER		1 U23
		Vendor 1:	LINEAR TECHNOLOGY	LTC4300-1IMS8	Vendor 3:	
		Vendor 2:			Vendor 4:	
38	1	EA	1902200P004	EEPROM 2 WIRE SERIAL	-	U30
		Vendor 1:	ATMEL	AT34C02N-10SI-2.7	Vendor 3:	
		Vendor 2:			Vendor 4:	
39	1	EA	1000972G001	FSC FPGA CONFIGURATION EEPROM	E	U18
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
40	2	EA	1902201P008	FPGA XC2S100-5PQ208I		1 U21, U22
		Vendor 1:	XILINX	XC2S100-5PQ208I	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
41	1	EA	1902400P002	SUPPLY VOLTAGE SUPERVISORY CKT	-	U19
		Vendor 1:	TEXAS INSTRUMENTS	TLC7733IDR	Vendor 3:	
		Vendor 2:			Vendor 4:	
42	1	EA	1902802P002	TRANSCEIVER SINGLE LVDS 3.3/5V	-	U32
		Vendor 1:	NATIONAL	DS92LV010ATM	Vendor 3:	
		Vendor 2:			Vendor 4:	
43	1	EA	1902405P009	IC TINY LOGIC UHS DUAL 2 INPUT NAND	1	U39
		Vendor 1:	FAIRCHILD	NC7WZ00K8X	Vendor 3:	
		Vendor 2:			Vendor 4:	
44	8	EA	1902800P011	A/D CONVERTER 12 BIT 65 MSPS	-	U1 - U8
		Vendor 1:	ANALOG DEVICES	AD9226AST	Vendor 3:	
		Vendor 2:			Vendor 4:	
45	3	EA	1902801P001	I2C 16 BIT I/O EXPANDER	-	U28, U29, U38
		Vendor 1:	Philips	PCF8575TSDB-T	Vendor 3:	
		Vendor 2:			Vendor 4:	
46	1	EA	1902804P001	DATA SELECTOR 2:1 QUAD	-	U17
		Vendor 1:	IDT	IDT74LVC157APY	Vendor 3:	
		Vendor 2:			Vendor 4:	
47	4	EA	1903000P007	VOLTAGE REGULATOR ADJ LDO 0.5A	-	U40, U41, U50, U51

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: Linear Technology	LT1763CS8	Vendor 3:	
			Vendor 2:		Vendor 4:	
48	1	EA	1903000P011	VOLT REGULATOR LOW NOISE 5V 500MA -		U60
			Vendor 1: LINEAR TECHNOLOGIES	LT1763CS8-5	Vendor 3:	
			Vendor 2:		Vendor 4:	
49	1	EA	1903000P012	VOLT REGULATOR LOW NOISE 3.3V 500M -		U69
			Vendor 1: LINEAR TECHNOLOGIES	LT1763CS8-3.3	Vendor 3:	
			Vendor 2:		Vendor 4:	
50	1	EA	1903000P013	VOLT REGULATOR LOW NOISE 3.3V 1.5A -		U70
			Vendor 1: LINEAR TECHNOLOGIES	LT1963AEST-3.3	Vendor 3:	
			Vendor 2:		Vendor 4:	
51	8	EA	1903000P016	VOLTAGE REGULATOR LDO3.3V@50MAS	1	U61 - U68
			Vendor 1: NATIONAL	LP2982IM5X-3.3	Vendor 3:	
			Vendor 2:		Vendor 4:	
52	8	EA	1903000P017	VOLTAGE REGULATOR LDO 5V@150MAN	1	U42 - U49
			Vendor 1: LINEAR	LT1762EMS8-5	Vendor 3:	
			Vendor 2:		Vendor 4:	
53	2	EA	1903000P018	VOLTAGE REGULATOR LDO 2.5V@500 M -		U71, U72
			Vendor 1: LINEAR	LT1763CS8-2.5	Vendor 3:	
			Vendor 2:		Vendor 4:	

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
54	8	EA	1908500P005	TRANSFORMER RF 4:1 SMD	-	U9 - U16
		Vendor 1:	MINI CIRCUITS	T4-1-KK81	Vendor 3:	
		Vendor 2:			Vendor 4:	
55	8	EA	1950013P003	CONN SMA JACK RT BLKHD PCB	-	J2, J3, J5 - J10
		Vendor 1:	JOHNSON	142-0701-551	Vendor 3:	
		Vendor 2:	MOLEX	73251-220	Vendor 4:	
56	2	EA	1950217P001	CONN PCB RT CPCI J1-J4	-	J1, J4
		Vendor 1:	TYCO ELECTRONICS	352068-1	Vendor 3:	
		Vendor 2:			Vendor 4:	
57	1	EA	1950351P011	JACK MODULAR RJ-45 SHIELDED LOW PF-		J11
		Vendor 1:	MOLEX	44050-0003	Vendor 3:	
		Vendor 2:			Vendor 4:	
58	4	EA	1900007P152	RES 0805 10 MOHM 1/10W 5%	-	R166 - R169
		Vendor 1:	PANASONIC	ERJ6GEYJ106V	Vendor 3:	
		Vendor 2:			Vendor 4:	
59	17	EA	1902001P006	BUFFER 3 STATE OCTAL TSSOP PKG	-	U20, U24, U26, U27, U33, U37, U73 - U83
		Vendor 1:	FAIRCHILD	MM74HC541MTC	Vendor 3:	
		Vendor 2:			Vendor 4:	
60	1	EA	1000872P001	FRONT PANEL FORWARD SIMULCAST	B	
		Vendor 1:	PENTAIR	23892-084	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
62	16	EA	1931999P003	NUT HEX SMA PANEL	-	
		Vendor 1:	JOHNSON COMPONENTS	5609052010	Vendor 3:	
		Vendor 2:			Vendor 4:	
63	1	EA	1000869P001	PWB FORWARD SIMULCAST	B1	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
64	0	EA	1000870	SCHEMATIC FORWARD SIMULCAST	G	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
65	1	EA	1900052P053	CAP 0603 20PF 5% 50V NPO	-	C364
		Vendor 1:			Vendor 3:	KEMET C0603C200J5GAC
		Vendor 2:			Vendor 4:	
66	1	EA	1001582P001	LABEL, FSC	A	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
67	1	EA	1902001P007	BUFFER 3 STATE FAST OCTAL TSSOP PK-		U34
		Vendor 1:	FAIRCHILD SEMICONDUCTOR	74AC541MTC	Vendor 3:	
		Vendor 2:			Vendor 4:	
68	1	EA	1900004P071	RES 0603 8200 OHM 1/16W 5%	-	REWK-R236

Parent: 1000868G001 Description: CCA FORWARD SIMULCAST

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
				Vendor 1: AVX CR10-822J-T		Vendor 3: DALE CRCW0603822JRT1
				Vendor 2: PANASONIC ERJ3GSYJ822V		Vendor 4: KOA RM73B1JT822J

501	0	EA	1000868-ASSY	CCA FORWARD SIMULCAST ASSY DRAW L		
				Vendor 1:		Vendor 3:
				Vendor 2:		Vendor 4:

510	0	EA	1000868-RWK	REWORK INST, FORWARD SIMULCAST C/A		
				Vendor 1:		Vendor 3:
				Vendor 2:		Vendor 4:

*** END OF REPORT ***

Part No. 1001590G001

1001590G001: HUB DWN CONV F/B CCA
Revision H0, 10/13/05

Item	Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
1	1	EA	1900000P485	0	RES 0402 2.74 KOHM 1/16W 1%	R131	MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	ERJ2RKF2741X CR05-2741FT CRCW04022741FRT
2	12	EA	1900000P486	0	RES 0402 5.6 OHM 1/16W 5%	R375,R376,R377,R378,R379,R380,R381,R382, R383,R384,R385,R386	MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	ERJ2RKJ5R6X CR05-5R6JT CRCW04025R6JRT
3	34	EA	1900000P487	0	RES 0402 11.8 OHM 1/16W 1%	R179,R180,R182,R183,R185,R186,R188,R189, R190,R191,R192,R193,R195,R196,R198,R199, R200,R201,R202,R203,R205,R206,R208,R209, R210,R211,R212,R213,R215,R216,R218,R219, R220,R221	MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	ERJ2RKF11R8X CR05-11R8FT CRCW040211R8FRT
4	6	EA	1900000P488	0	RES 0402 16.5 OHM 1/16W 1%	R136,R137,R138,R139,R140,R141	MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	ERJ2RKF16R5X CR05-16R5FT CRCW040216R5FRT
5	15	EA	1900000P489	0	RES 0402 18 OHM 1/16W 5%	R142,R143,R144,R145,R146,R147,R148,R181, R74,R75,R76,R77,R78,R79,R80	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CR05-180JT ERJ2RKJ180V CRCW0402180JRT
6	68	EA	1900000P493	0	RES 0402 432 OHM 1/16W 1%	R165,R166,R167,R168,R171,R172,R173,R174, R175,R176,R177,R178,R271,R272,R273,R274, R275,R276,R279,R280,R283,R284,R285,R286, R287,R288,R289,R290,R291,R292,R293,R294, R297,R298,R301,R302,R303,R304,R305,R306, R307,R308,R309,R310,R311,R312,R315,R316, R319,R320,R321,R322,R323,R324,R325,R326, R327,R328,R329,R330,R333,R334,R337,R338, R339,R340,R341,R342	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CR05-4320FT ERJ2RKF4320X CRCW04024320FRT
7	24	EA	1900000P494	0	RES 0402 909 OHM 1/16W 1%	R351,R352,R353,R354,R355,R356,R357,R358, R359,R360,R361,R362,R363,R364,R365,R366, R367,R368,R369,R370,R371,R372,R373,R374	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CR05-9090FT ERJ2RKF9090X CRCW04029090FRT
8	29	EA	1900000P495	0	RES 0402 1 KOHM 1/16W 1%	R102,R103,R104,R105,R106,R107,R108,R109, R110,R111,R112,R113,R114,R115,R116,R117, R118,R119,R120,R121,R122,R123,R124,R125, R126,R127,R128,R129,R130	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CR05-1001FT ERJ2RKF1001X CRCW04021001FRT
9	21	EA	1900000P496	0	RES 0402 10 KOHM 1/16W 1%	R133,R243,R244,R245,R246,R25,R26,R27,R2 8,R29,R30,R31,R32,R33,R34,R35,R399,R400, R401,R402,R403	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CR05-1002FT ERJ2RKF1002X CRCW04021002FRT
10	2	EA	1900000P497	0	RES 0402 100 KOHM 1/16W 1%	R132,R36	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CR05-1003FT ERJ2RKF1003X CRCW04021003FRT

12	8 EA	1900001P018	0 RES 0402 51 OHM 1/16W 5%	R343,R344,R345,R346,R347,R348,R349,R350	AVX CORP KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC VISHAY DALE	CR05-510J-T RM73B1ET510J ERJ2GEJ510X CRCW0402510JRT1
13	1 EA	1900001P025	0 RES 0402 100 OHM 1/16W 5%	R163	AVX CORP KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC VISHAY DALE	CR05-101J-T RM73B1ET101J ERJ2GEJ101X CRCW0402101JRT1
14	25 EA	1900001P125	0 RES 0402 0 OHM JUMPER 1/16W 5%	R10,R11,R12,R13,R14,R15,R16,R17,R18,R184, R187,R19,R194,R197,R20,R204,R207,R214,R 217,R3,R5,R6,R7,R8,R9	MATSUSHITA/PANASONIC	ERJ2GE0R00X
15	9 EA	1900003P001	0 RES 0603 0 OHM JUMPER	L145,L146,L147,L148,L149,L150,L151,L152,R3 9	AVX CORP MATSUSHITA/PANASONIC VISHAY DALE	CJ10-000-T ERJ3GSYJ000V CRCW0603000RT1
16	3 EA	1900003P259	0 RES 0603 4750 OHM 1/16W 1%	R40,R41,R42	KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC KOA SPEER ELECTRONICS INC AVX CORP VISHAY DALE	RM73Z1JT ERJ3EKF4751V RK73H1JT4751F CR10-4751F-T CRCW06034751FRT1
17	9 EA	1900003P261	0 RES 0603 4990 OHM 1/16W 1%	R100,R92,R93,R94,R95,R96,R97,R98,R99	MATSUSHITA/PANASONIC KOA SPEER ELECTRONICS INC AVX CORP VISHAY DALE	ERJ3EKF4991V RK73H1JT4991F CR10-4991F-T CRCW06034991FRT1
18	16 EA	1900003P280	0 RES 0603 7870 OHM 1/16W 1%	R247,R248,R249,R250,R251,R252,R253,R254, R255,R256,R257,R258,R259,R260,R261,R262	KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	RK73H1JT7871F ERJ3EKF7871V CR10-7871F-T CRCW06037871FRT1
19	16 EA	1900003P319	0 RES 0603 19.6 KOHM 1/16W 1%	R223,R224,R225,R226,R227,R228,R229,R230, R231,R232,R233,R234,R235,R236,R237,R238	MATSUSHITA/PANASONIC KOA SPEER ELECTRONICS INC AVX CORP VISHAY DALE	ERJ3EKF1962V RK73H1JT1962F CR10-1962F-T CRCW06031962FRT1
20	9 EA	1900003P320	0 RES 0603 20 KOHM 1/16W 1%	R83,R84,R85,R86,R87,R88,R89,R90,R91	AVX CORP KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC VISHAY DALE	CR10-2002F-T RK73H1JT2002F ERJ3EKF2002V CRCW06032002FRT1
21	16 EA	1900000P499	0 RES 0402 294 OHM 1/16W 1%	R149,R150,R151,R152,R153,R154,R155,R156, R157,R158,R159,R160,R161,R162,R169,R170	MATSUSHITA/PANASONIC VISHAY DALE	ERJ2RKF2940X CRCW04022940FRT
22	4 EA	1900003P509	0 RES 0603 24.3 OHM 1/16W 1%	R239,R240,R241,R242	MATSUSHITA/PANASONIC VISHAY DALE	ERJ3EKF24R3V CRCW060324R3FRT1
23	4 EA	1900003P511	0 RES 0603 4.99 OHM 1/10W 1%	R267,R268,R269,R270	KOA SPEER ELECTRONICS INC VISHAY DALE	RK73H1JT24R3F CRCW06034R99FRT1
25	1 EA	1900003P516	0 RES 0603 40.2 OHM 1/16W 1%	R134	YAGEO CORP MATSUSHITA/PANASONIC VISHAY DALE	9C06031A4R99FGHFT ERJ3EKF40R2V CRCW060340R2FRT1
26	8 EA	1900003P514	0 RES 0603 20 OHM 1/16W 1%	R263,R264,R265,R266,R387,R388,R389,R390	MATSUSHITA/PANASONIC VISHAY DALE	ERJ3EKF20R0V CRCW060320R0FRT1
27	1 EA	1900003P520	0 RES 0603 76.8 OHM 1/10W 1%	R82	MATSUSHITA/PANASONIC AVX CORP	ERJ3EKF76R8V CR10-76R8F-T
28	1 EA	1900003P521	0 RES 0603 90.9 OHM 1/10W 1%	R135	MATSUSHITA/PANASONIC	ERJ3EKF90R9V

29	1 EA	1900000P507	0 RES 0402 1.87 KOHM 1/16W 1%	R164	KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC VISHAY INTERTECHNOLOGY INC	RK73H1ETTD1871F ERJ2RKF1871X CRCW04021871FRT1
30	3 EA	1900004P051	0 RES 0603 1200 OHM 1/16W 5%	R1,R2,R405	KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	RM73B1JT122J ERJ3GSYJ122V CR10-122J-T CRCW0603122JRT1
31	1 EA	1900006P112	0 RES 0805 140 OHM 1/10W 1%	R222	AVX CORP KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC VISHAY DALE	CR21-1400F-T RK73H2AT1400F ERJ6ENF1400V CRCW08051400FRT1
32	4 EA	1900007P152	0 RES 0805 10 MOHM 1/10W 5%	R21,R22,R23,R24	MATSUSHITA/PANASONIC	ERJ6GEYJ106V
33	2 EA	1900010P036	0 RES 1206 300 OHM 1/8W 5%	R37,R38	AVX CORP KOA SPEER ELECTRONICS INC MATSUSHITA/PANASONIC VISHAY DALE	CR32-301J-T RM73B2BT301J ERJ8GEYJ301V CRCW1206301JRT1
34	1 EA	1900015P487	0 RES 1210 36.5 OHM 1/4W 1%	R101	MATSUSHITA/PANASONIC VISHAY DALE	ERJ14NF36R5U CRCW121036R5FRT1
35	8 EA	1900015P488	0 RES 1210 33.2 OHM 1/4W 1%	R391,R392,R393,R394,R395,R396,R397,R398	MATSUSHITA/PANASONIC VISHAY DALE	ERJ14NF33R2U CRCW121033R2FRT1
36	78 EA	1900032P023	0 CAP 0402 0.01UF 10% 16V X7R	C148,C149,C150,C151,C152,C153,C154,C155, C156,C157,C158,C159,C160,C161,C162,C163, C164,C165,C166,C167,C168,C169,C170,C171, C172,C173,C174,C175,C176,C177,C178,C179, C180,C181,C182,C183,C184,C185,C186,C187, C188,C189,C190,C191,C192,C193,C194,C195, C196,C197,C198,C199,C200,C201,C202,C203, C204,C205,C206,C207,C208,C209,C210,C211, C212,C213,C214,C215,C216,C217,C218,C219, C220,C221,C222,C223,C224,C225	AVX CORP KEMET ELECTRONICS CORP MATSUSHITA/PANASONIC MURATA MANUFACTURING CO LTD	0402YC103KAT2A C0402C103K4RAC ECUE1C103KBQ GRM36X7R103K016AD
39	73 EA	1900032P026	0 CAP 0402 1000PF 5% 50V X7R	C100,C101,C102,C103,C104,C105,C106,C107, C108,C109,C110,C111,C112,C113,C114,C115, C116,C117,C118,C119,C120,C121,C368,C50, C51,C52,C53,C54,C55,C56,C57,C58,C59,C60, C61,C62,C63,C64,C65,C66,C67,C68,C69,C70, C71,C72,C73,C74,C75,C76,C77,C78,C79,C80, C81,C82,C83,C84,C85,C86,C87,C88,C89,C90, C91,C92,C93,C94,C95,C96,C97,C98,C99	AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC	04025C102JAT2 C0402C102J5RAC X7R0402HTTE102J
40	10 EA	1900032P027	0 CAP 0402 1.5PF +/- .25PF 50V NPO	C370,C371,C372,C373,C374,C375,C376,C377, C378,C379	AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC	04025A1R5CAT2 C0402C1R5C5GAC NPO0402HTTP1R5CF
41	10 EA	1900032P028	0 CAP 0402 3.9PF +/- .25PF 50V NPO	C393,C394,C539,C540,C543,C544,C547,C548, C551,C552	AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC	04025A3R9CAT2 C0402C3R9C5GAC NPO0402HTTP3R9C
42	10 EA	1900032P029	0 CAP 0402 12PF 5% 50V NPO	C456,C457,C467,C468,C469,C470,C471,C472, C473,C474	AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC	04025A120JAT2 C0402C120J5GAC NPO0402HTTP120J

43	9 EA	1900032P030	0 CAP 0402 22PF 1% 50V NPO	C458,C599,C600,C601,C602,C603,C604,C605, C606	MURATA MANUFACTURING CO LTD	GRP1555C1H220FZ01E
44	50 EA	1900032P031	0 CAP 0402 100PF 1% 50V NPO	C259,C260,C261,C291,C292,C293,C294,C295, C296,C297,C298,C299,C300,C301,C302,C303, C304,C305,C306,C307,C308,C309,C310,C311, C312,C313,C314,C315,C316,C317,C318,C319, C320,C321,C322,C323,C324,C325,C326,C327, C328,C329,C330,C331,C332,C333,C334,C335, C336,C337	MURATA MANUFACTURING CO LTD	GRP1555C1H101FD01E
45	4 EA	1900032P033	0 CAP 0402 2.7PF +/- .25PF 50V NPO	C519,C520,C521,C522	AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC	04025A2R7CAT2A C0402279C5GAC NPO0402HTTE2R7C
46	24 EA	1900032P034	0 CAP 0402 10PF +/- 5% 50V NPO	C140,C141,C142,C143,C144,C145,C146,C147, C583,C584,C585,C586,C587,C588,C589,C590, C591,C592,C593,C594,C595,C596,C597,C598	AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC	04025A100JAT2 C0402C100J5GACTU NPO0402HTTE100J
47	4 EA	1900032P037	0 CAP 0402 2.2 PF +/- 0.25PF 50V NPO	C503,C504,C505,C506	AVX CORP MURATA MANUFACTURING CO LTD	04025AR2CAT2A GRM1555C1H2R2CZ01D
48	12 EA	1900032P038	0 CAP 0402 27 PF 1% 50V NPO	C515,C516,C517,C518,C559,C560,C561,C562, C563,C564,C565,C566	KOA SPEER ELECTRONICS INC MURATA MANUFACTURING CO LTD	NPO0402HTTD270 GRM1555C1H270FZ01D
51	16 EA	1900032P041	0 CAP 0402 47PF 1% 50V NPO	C459,C460,C461,C462,C463,C464,C465,C466, C607,C608,C609,C610,C611,C612,C613,C614	KEMET ELECTRONICS CORP MURATA MANUFACTURING CO LTD	C0402C470F5GAC GRM1555C1H470FZ01D
52	8 EA	1900032P042	0 CAP 0402 68PF 1% 50V NPO	C541,C542,C545,C546,C549,C550,C553,C554	KEMET ELECTRONICS CORP MURATA MANUFACTURING CO LTD	C0402C680F5GAC GRM1555C1H680FD01E
53	20 EA	1900032P043	0 CAP 0402 82PF 1% 50V NPO	C507,C508,C509,C510,C567,C568,C569,C570, C571,C572,C573,C574,C575,C576,C577,C578, C579,C580,C581,C582	KEMET ELECTRONICS CORP MURATA MANUFACTURING CO LTD	C0402C820F5GAC GRM1555C1H820FD01E
54	27 EA	1900032P044	0 CAP 0402 680PF 5% 50V X7R	C429,C430,C431,C432,C433,C434,C435,C436, C437,C438,C439,C440,C441,C442,C443,C444, C445,C446,C447,C448,C449,C450,C451,C452, C453,C454,C455	KEMET ELECTRONICS CORP MURATA MANUFACTURING CO LTD	C0402C6815RAC GRP155R71H681JA01E
55	32 EA	1900041P006	0 CAP 0402 18PF 5% 50V NPO	C475,C476,C477,C478,C479,C480,C481,C482, C483,C484,C485,C486,C487,C488,C489,C490, C491,C492,C493,C494,C495,C496,C497,C498, C499,C500,C501,C502,C511,C512,C513,C514	AVX CORP KEMET ELECTRONICS CORP MATSUSHITA/PANASONIC MURATA MANUFACTURING CO LTD	04025A180JAT2A C0402C180J5GAC ECUE1H180JCQ GRM36COG180J050AD
56	2 EA	1900043P042	0 CAP 0603 0.15UF 5% 16V X7R	C254,C255	AVX CORP	0603YC154JAT2A
57	1 EA	1900043P025	0 CAP 0603 0.018UF 5% 16V X7R	C419	KEMET ELECTRONICS CORP AVX CORP KEMET ELECTRONICS CORP	C0603C154J4RACTU 0603YC183JAT2A C0603C183J4RAC
58	16 EA	1900044P034	0 CAP 0603 0.10UF 10% 16V X7R	C122,C123,C124,C125,C126,C127,C128,C129, C130,C131,C132,C133,C134,C135,C136,C137	AVX CORP KEMET ELECTRONICS CORP MATSUSHITA/PANASONIC MURATA MANUFACTURING CO LTD	0603YC104KAT2A C0603C104K4RAC ECJ1VB1C104K GRM39X7R104K016AD
59	4 EA	1900050P003	0 CAP 0603 39PF 1% 50V NPO	C527,C528,C529,C530	AVX CORP	06035A390FAT2A

						KEMET ELECTRONICS CORP MURATA MANUFACTURING CO LTD	C0603C390F5GAC GRM39COG390F050AD
60	12 EA	1900050P020	0 CAP 0603 15PF 1% 50V NPO	C138,C139,C380,C381,C523,C524,C525,C526, C555,C556,C557,C558	AVX CORP MURATA MANUFACTURING CO LTD	06035A150FAT2A GRM39C0G150F050AD	
61	8 EA	1900052P035	0 CAP 0603 8200PF 5% 50V X7R	C615,C616,C617,C618,C619,C620,C621,C622	AVX CORP KEMET ELECTRONICS CORP MURATA MANUFACTURING CO LTD	06035C822JAT2A C0603C822J5RAC GRM39X7R822J050AD	
62	6 EA	1900066P037	0 CAP 1206 1.0UF 10% 16V X7R	C1,C2,C3,C338,C339,C4	AVX CORP KEMET ELECTRONICS CORP MATSUSHITA/PANASONIC MURATA MANUFACTURING CO LTD	1206YC105KAT2A C1206C105K4RAC ECJ3YB1C105K GRM42-6X7R105K016AL	
63	28 EA	1900100P001	0 CAP 0805 1.0UF 20% 10V	C340,C341,C342,C343,C344,C345,C346,C347, C348,C349,C350,C351,C352,C353,C354,C355, C356,C357,C358,C359,C360,C361,C362,C363, C364,C365,C366,C367	KEMET ELECTRONICS CORP AVX CORP	C0805C105M8RAC 0603ZD334KAT2A	
64	2 EA	1900115P004	0 CAP 0603 .33UF 10% 10V X5R	C249,C250	KEMET ELECTRONICS CORP	C0603C334K8PAC	
65	2 EA	1900151P006	0 CAP TANT 3216 22UF 10% 6.3V	C246,C247	AVX CORP KEMET ELECTRONICS CORP VISHAY INTERTECHNOLOGY INC	TAJA226K006R T491A226K006AS 293D226X96R3A2T	
67	13 EA	1900163P006	0 CAP TANT 3528-12 3.3UF 10% 20V	C10,C12,C13,C23,C24,C30,C31,C37,C38,C44, C45,C5,C8 C226,C227,C228,C229,C230,C231,C232,C233, C234,C235,C236,C237,C238,C239,C240,C241, C256,C257,C258,C262,C263,C264,C265,C266, C267,C268,C269,C270,C271,C272,C273,C274, C275,C276,C277,C278,C279,C280,C281,C282, C283,C284,C285,C286,C287,C288,C289,C290, C369	KEMET ELECTRONICS CORP	T494T335K020AS	
68	49 EA	1900177P007	0 CAP TANT 6032-15 10UF 20V 10%	C11,C14,C15,C16,C17,C18,C19,C20,C21,C22, C25,C26,C27,C28,C29,C32,C33,C34,C35,C36, C39,C40,C41,C42,C43,C46,C47,C48,C49,C6,C 7,C9	KEMET ELECTRONICS CORP	T494U106K020AS	
69	32 EA	1900190P002	0 CAP TANT 2012-12 3.3 UF 10% 10V		AVX CORP KEMET ELECTRONICS CORP KOA SPEER ELECTRONICS INC ROHM CO LTD	TAJR335K010R T491R335K010AS TMC1APLTE335K TCP1A335K8R	
70	5 EA	1900190P005	0 CAP TANT 2012-15 22 UF 20% 4VDC	C242,C243,C244,C245,C248	AVX CORP KOA SPEER ELECTRONICS INC ROHM CO LTD	TAJP226M004R TMC0GPLTE226MR TCP0G226M8R	
71	1 EA	1900212P006	0 UNIDIRECTIONAL TRANSIENT SUPPRESSOR	D1	LITE-ON ELECTRONICS INC ON SEMICONDUCTOR	SMA12A 1SMA12AT3	
72	2 EA	1900221P002	0 CAP 1206 4.7UF 10% 16V X5R	C252,C253	AVX CORP KEMET ELECTRONICS CORP	1206YD475KAT C1206C475K4PAC	
73	3 EA	1900305P004	0 IND 0603 2.2NH +/-0.3NH MLC 6000MHZ	L100,L101,L102	KOA SPEER ELECTRONICS INC CENTRAL TECHNOLOGIES	X5R1206CTTD475K CTLL1608-FH2N2S	
74	4 EA	1900306P014	0 IND 0603 82NH 5% MLC 900MHZ	L96,L97,L98,L99	TOKO AMERICA INC CENTRAL TECHNOLOGIES	LL1608-FH2N2S CTLL1608-FH82NJ	
75	4 EA	1900308P022	0 IND 0603 43NH 2% WW 2000	L190,L193,L196,L199	TOKO AMERICA INC COILCRAFT INC	LL1608-FH82NJ 0603CS-43NXGBC	
76	16 EA	1900317P007	0 IND 0603 27NH 2% WW 2800MHZ	L125,L126,L127,L128,L129,L130,L131,L132,L1 89,L191,L192,L194,L195,L197,L198,L200	COILCRAFT INC KOA SPEER ELECTRONICS INC	0603CS-27NXGBC KQ0603TE27NG	
77	8 EA	1900317P008	0 IND 0603 33NH 2% WW 2300MHZ	L133,L134,L135,L136,L141,L142,L143,L144	PULSE ENGINEERING INC COILCRAFT INC KOA SPEER ELECTRONICS INC PULSE ENGINEERING INC	PE-0603CD270GTT 0603CS-33NXGBC KQ0603TE33NG PE-0603CD330GTT	

78	5 EA	1900318P013	0 IND 0603 56NH 5% WW 1900MHZ	L103,L104,L105,L106,L107	COILCRAFT INC KOA SPEER ELECTRONICS INC PULSE ENGINEERING INC	0603CS-56NXJBW KQ0603TE56NJ PE-0603CD560JTT
79	12 EA	1900317P015	0 IND 0603 6.8NH 2% WW 5800 MHZ	L153,L154,L155,L156,L157,L158,L159,L160,L161,L162,L163,L164	AMERICAN TECHNICAL CERAMICS CORP COILCRAFT INC TOKO AMERICA INC AMERICAN TECHNICAL CERAMICS CORP	0603WL-6R8GT 0630CS-6N8XGBW LLQ1608-A6N8G 0603WL-100GT
80	4 EA	1900317P017	0 IND 0603 10NH 2% WW 4800 MHZ	L137,L138,L139,L140	COILCRAFT INC TOKO AMERICA INC	0603CS-10NXGBW LLQ1608-A10NG
81	2 EA	1900317P019	0 IND 0603 30NH 2% WW 2250 MHZ	L110,L111	COILCRAFT INC KOA SPEER ELECTRONICS INC TOKO AMERICA INC	0603CS-30NXGBW KQ0603TTE30NG LLQ1608-A30NG
82	13 EA	1900317P021	0 IND 0603 270 NH 2% WW 900 MHZ	L112,L113,L114,L115,L116,L117,L118,L119,L120,L121,L122,L123,L124	COILCRAFT INC COILCRAFT INC	0603CS-R27XGBC 1008CS-820XGBC
83	2 EA	1900325P009	0 IND 1008 82NH 2% WW 1000MHZ	L94,L95	KOA SPEER ELECTRONICS INC PULSE ENGINEERING INC	KQ1008TE82NG PE-1008CD820GTT
84	4 EA	1900325P031	0 IND 1008 3.3UH 2% WW 110MHZ	L201,L202,L203,L204	COILCRAFT INC KOA SPEER ELECTRONICS INC PULSE ENGINEERING INC	1008CS-332XGBC KQ1008TE3R3G PE-1008CD332GTT
86	24 EA	1900339P001	0 IND 1812 120NH 2% WW 150 MHZ	L165,L166,L167,L168,L169,L170,L171,L172,L173,L174,L175,L176,L177,L178,L179,L180,L181,L182,L183,L184,L185,L186,L187,L188	API DELEVAN API DELEVAN	S1812-121F S1812-121G
87	26 EA	1900400P003	0 FERRITE BEAD 200 MA 600 OHM 0805	L15,L2,L30,L34,L36,L38,L40,L42,L44,L48,L50,L52,L54,L56,L58,L62,L64,L66,L68,L70,L72,L76,L78,L80,L82,L84	FAIR-RITE PRODUCTS CORP	2508056017Y0
88	67 EA	1900400P004	0 FERRITE BEAD 100 MA 1000 OHM 0603	L1,L10,L11,L12,L13,L14,L16,L17,L18,L19,L20,L21,L22,L23,L24,L25,L26,L27,L28,L29,L3,L31,L32,L33,L35,L37,L39,L4,L41,L43,L45,L46,L47,L49,L5,L51,L53,L55,L57,L59,L6,L60,L61,L63,L65,L67,L69,L7,L71,L73,L74,L75,L77,L79,L8,L81,L83,L85,L86,L87,L88,L89,L9,L90,L91,L92,L93	FAIR-RITE PRODUCTS CORP	2506031027Y0
89	1 EA	1901000P007	0 TRANSISTOR BAI5 RESISTOR NPN	Q2	ON SEMICONDUCTOR	MUN5211T1
91	1 EA	1901000P014	0 TRANSISTOR MOSFET N CHANNEL	Q1	INTERNATIONAL RECTIFIER CORP	IRF7413
92	1 EA	1901100P013	0 LED 3MM GREEN	D3	LEDTRONICS	PCL120TG5N-LC
93	1 EA	1901100P014	0 LED 3MM PCB RED	D2	LEDTRONICS	PCL120TR5N-LC
94	1 EA	1902006P050	0 3.3V LVDS-LVDS BUFFER SOIC-8P	U23	NATIONAL SEMICONDUCTOR CORP	DS90LV001TM
95	1 EA	1902006P068	0 IC 4 CHAN I2C MULTIPLEXER	U3	PHILIPS SEMICONDUCTORS PHILIPS SEMICONDUCTORS	PCA9544PW PCA9544APW
96	1 EA	1902006P092	0 IC HOT SWAP I2C BUFFER	U2	LINEAR TECHNOLOGY CORP	LTC4300A-1IMS8
97	1 EA	1902006P091	0 HOT SWAP PCI PWR CONTROLLER	U1	MICREL SEMICONDUCTOR	MIC2580A-1.0BTS
98	1 EA	1902200P004	0 EEPROM 2 WIRE SERIAL	U7	ATMEL CORP	AT34C02N-10SI-2.7
99	1 EA	1902404P005	0 HIGH SPEED DIFFERENTIAL LINE RCVR	U73	TEXAS INSTRUMENTS INC	SN65LVDS2DBVR
100	1 EA	1902405P009	1 IC TINY LOGIC UHS DUAL 2 INPUT NAND	U8	FAIRCHILD SEMICONDUCTOR CORP	NC7WZ00K8X
101	1 EA	1902406P007	0 FREQ SYNTH FRACT/INTG-N 3.0 GHZ	U24	ANALOG DEVICES INC	ADF4252BCP
102	3 EA	1902801P001	0 I2C 16 BIT I/O EXPANDER	U4,U5,U6	PHILIPS SEMICONDUCTORS	PCF8575TSDB-T
103	3 EA	1903000P006	0 VOLTAGE REGULATOR 5V LDO 0.1A	U74,U75,U79 U10,U11,U12,U13,U14,U15,U16,U17,U18,U19, U20,U21,U22,U9	LINEAR TECHNOLOGY CORP	LT1761ES5-3.3
104	14 EA	1903000P005	0 VOLTAGE REGULATOR 3.3V LDO 0.1A	U28,U29,U30,U31,U32,U33,U34,U35,U36,U37, U38,U39,U40,U41,U42,U43,U44,U45,U46,U47, U48,U49,U50,U51,U52	LINEAR TECHNOLOGY CORP	LT1761ES5-BYP
106	25 EA	1903000P021	0 VOLTAGE REGULATOR 3.3V ADJ LDO 0.1A	U25,U26	ANALOG DEVICES INC	ADG-819BRM
107	2 EA	1903800P002	0 SWITCH, CMOS MUX/SPDT	SW1,SW2,SW3,SW4,SW5	PEREGRINE SEMICONDUCTOR CORP	PE4237
108	5 EA	1903801P008	0 SWITCH SMD SPDT HIGH POWER MOSFET	U76	Z-COMMUNICATIONS INC	V295ME01
109	1 EA	1904300P027	0 VCO 294-296 MHZ MINI-16-LOW			

110	1 EA	1904300P025	0 VCO 1180-1270 MHZ	U27	Z-COMMUNICATIONS INC	CLV1225A	
111	1 EA	1904300P026	0 VCO 1600-1670 MHZ	U53	Z-COMMUNICATIONS INC	CLV1635A	
112	4 EA	1906003P034	0 FILTER BP SAW 326.4 MHZ	U100,U101,U102,U103	SAWTEK INC		855914
113	4 EA	1908000P035	0 AMP RF SIGE DC-4500 MHZ HBT MMIC	U104,U105,U106,U107	SIRENZA MICRODEVICES INC	SGA-4386	
114	4 EA	1908000P022	0 AMP RF SIGE DC-5000 MHZ	U88,U89,U90,U91	SIRENZA MICRODEVICES INC	SGA-4286	
115	4 EA	1908000P027	1 AMP RF SIGE DC-3500MHZ GAIN BLK SMD	U92,U93,U94,U95 U54,U55,U56,U57,U58,U59,U60,U61,U62,U63, U64,U65,U66	SIRENZA MICRODEVICES INC	SGA-3586	
116	13 EA	1908000P029	0 AMP RF SIGE DC-4000MHZ CASCADE GAIN	U77	SIRENZA MICRODEVICES INC	SGA-5586	
117	1 EA	1908000P033	0 AMP RF SIGE DC-5000 MHZ SMD	U108,U109,U110,U111	SIRENZA MICRODEVICES INC	SGA-2186	
118	4 EA	1908100P002	0 MIXER RF SMD	U84,U85,U86,U87	MINI-CIRCUITS	ADE-1MH-TR	
119	4 EA	1908100P024	1 MIXER RF 40-2500MHZ 10 DB LOW SMD	U80,U81,U82,U83	MINI-CIRCUITS	SYM-25DLHW	
120	4 EA	1908301P006	0 COUPLER DIRECTIONAL 9.5DB 1960MHZ	U78	AVX CORP	CP0805A1960AW	
121	1 EA	1908700P020	0 SPLITTER RF 4 WAY 0 DEG 1-500 MHZ	U67,U68,U69,U70,U71,U72	MINI-CIRCUITS	AD4PS-1	
122	6 EA	1908700P021	0 SPLITTER RF 2 WAY 0 DEG 20-2000 MHZ	U96,U97,U98,U99	MINI-CIRCUITS	ADP-2-20	
123	4 EA	1920003P040	0 ATTENUATOR GAAS 5 BIT DIGITAL 1DB	J10,J11,J12,J13,J14,J6,J7,J8,J9	SKYWORKS SOLUTIONS INC	AA101-80	
124	9 EA	1950013P003	0 CONN SMA JACK RT BLKHD PCB	J1,J4	JOHNSON COMPONENTS INC	142-0701-551	
125	2 EA	1950217P001	0 CONN PCB RT CPCI J1-J4	R4	MOLEX INC	73251-220	
126	1 EA	1900012P504	0 RES 1206 0.01 OHM 1/4W 1%	R406	MOLEX INC	54457-1106	
127	1 EA	1001609P001	A FULL BAND HUB DOWN CONV FRONT PANEL	R404,R407	TYCO ELECTRONICS CORP	352068-1	
128	1 EA	1001610P001	C FULL BAND HUB DOWN CONV TOP COVER		VISHAY DALE	WSL1206R010FRE4	
129	18 EA	1930022P108	0 SCREW MCH 6-32X3/16 PHL PAN SS				
130	1 EA	1900000P500	0 RES 0402 30.1 OHM 1/16W 1%		AVX CORP	CR05-30R1F-H	
134	2 EA	1900001P031	0 RES 0402 180 OHM 1/16W 5%		MATSUSHITA/PANASONIC	ERJ2RKF30R1X	
135	1 EA	1900054P033	0 CAP 0805 0.10UF 5% 16V X7R	C251	KOA SPEER ELECTRONICS INC	RM73B1ET181J	
136	1 EA	1900000P508	0 RES 0402 36.5 OHM 1/16W 1%	R81	MATSUSHITA/PANASONIC	ERJ2GEJ181X	
137	1 EA	1901000P008	0 TRANSISTOR BJT PNP	Q3	AVX CORP	CR05-181J-T	
500	1 EA	1001591P001	C FULL BAND HDC PWB		VISHAY DALE	CRCW0402181JRT1	
501	1 EA	1001590-ASSY	B FULL BAND HDC CCA ASSY DWG		AVX CORP	0805YC104JAT2A	
502	1 EA	1001592-SCH	F FULL BAND HDC SCHEMATIC		KEMET ELECTRONICS CORP	C0805C104J4RAC	
510	1 EA	1001590-RWK	A REWORK INST, FULL BAND HDC CCA		MURATA MANUFACTURING CO LTD	GRM40X7R104J016AD	
					KOA SPEER ELECTRONICS INC	RK73H1ETTD36R5F	
					MATSUSHITA/PANASONIC	ERJ2RKF36R5X	
					VISHAY INTERTECHNOLOGY INC	CRCW040236R5FRT1	
					MOTOROLA INC	MMBT2907ALT1	



Part No. 1000835G001

**RAN DOWN CONVERTER CCA
Revision P, 10/13/05**

Item	Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
1	2	EA	1920003P040	0	ATTENUATOR GAAS 5 BIT DIGITAL 1DB	AT1,AT2	SKYWORKS SOLUTIONS	IAA101-80
2	2	EA	1920003P043	1	ATTENUATOR TEMP COMP TVA 10DB NO7	AT3,AT4	EMC TECHNOLOGY INC	TVA1000N07W3
4	93	EA	1900044P010	0	CAP 0603 1000PF 10% 16V X7R	C1,C102,C104,C105,C11,C113,C114,C115,C116,C119,C120,C121,C122,C126,C14,C143,C144,C145,C146,C150,C167,C168,C169,C170,C171,C172,C173,C174,C178,C179,C180,C181,C183,C184,C19,C196,C197,C198,C199,C20,C200,C201,C202,C203,C207,C208,C209,C210,C212,C213,C225,C226,C29,C307,C308,C309,C310,C311,C312,C313,C314,C315,C316,C318,C320,C332,C34,C35,C36,C373,C377,C380,C382,C384,C385,C39,C394,C395,C402,C403,C42,C445,C446,C47,C48,C6,C69,C7,C70,C76,C77,C8,C97	AVX CORP	0603YC102KAT2A
5	65	EA	1900044P022	0	CAP 0603 0.010UF 10% 16V X7R	C108,C109,C125,C139,C149,C163,C2,C230,C231,C232,C265,C266,C267,C268,C269,C276,C281,C285,C286,C287,C288,C289,C296,C30,C301,C303,C325,C326,C327,C329,C330,C331,C333,C334,C335,C336,C337,C338,C343,C344,C345,C348,C349,C351,C352,C353,C354,C372,C374,C376,C379,C381,C383,C388,C389,C393,C398,C57,C62,C63,C64,C85,C88,C90,C93	AVX CORP	0603YC103KAT2A
6	22	EA	1900151P002	0	CAP TANT 3216 3.3UF 10% 6.3V	C110,C111,C140,C141,C164,C165,C193,C194,C222,C223,C3,C31,C32,C391,C392,C399,C4,C400,C66,C67,C73,C74	AVX CORP	TAJA335K006R
7	8	EA	1900165P005	0	CAP TANT 3528 10UF 10% 16V	C195,C224,C33,C396,C401,C5,C68,C75	AVX CORP	TAJB106K016R
8	11	EA	1900050P008	0	CAP 0603 100PF 1% 50V NPO	C101,C12,C215,C366,C37,C38,C86,C87,C9,C91,C92	AVX CORP	06035A101FAT2A
							KEMET ELECTRONICS	COC0603C102K4RAC
							KEMET ELECTRONICS	COC0603C103K4RAC
							MATSUSHITA/PANASONIC	J1VB1C103K
							AVX CORP	TAJA335K006R
							KEMET ELECTRONICS	COT491A335K006AS
							VISHAY SPRAGUE	293D335X96R3A2T
							AVX CORP	TAJB106K016R
							KEMET ELECTRONICS	COT491B106K016AS
							VISHAY SPRAGUE	293D106X9016B2T
							AVX CORP	06035A101FAT2A
							KEMET ELECTRONICS	COC0603C101F5GAC



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item	Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
9	2	EA	1900150P049	1	CAP 0603 2.4PF+/- .1PF 250V HI Q MIC	C10,C369	MURATA MANUFACTURIN	GRM39COG101F050AD
10	6	EA	1900052P010	0	CAP 0603 68PF 5% 50V NPO	C123,C13,C130,C147,C154,C41	AMERICAN TECHNICAL C	ATC600S2R4BW250XT
							AVX CORP	06035A680JAT2A
							KEMET ELECTRONICS CC	C0603C680J5GAC
							MATSUSHITA/PANASONIC	ECUV1H680JCV
							MURATA MANUFACTURIN	GRM39COG680J050AD
11	4	EA	1900150P048	1	CAP 0603 1.8PF+/- .1PF 250V HI Q MIC	C15,C16,C370,C371	AMERICAN TECHNICAL C	ATC600S1R8BW250XT
12	4	EA	1900049P022	0	CAP 0603 10PF +/-0.5PF 50V NPO	C18,C386,C46,C78	AVX CORP	06035A100DAT2A
							KEMET ELECTRONICS CC	C0603C100D5GAC
							MATSUSHITA/PANASONIC	ECUV1H100DCV
							ROHM CO LTD	MCH185A100DK
13	12	EA	1900053P004	0	CAP 0603 22PF 10% 50V NPO	C106,C107,C117,C118,C129,C153,C21,C375,C378,C443,C444,C49	AVX CORP	06035A220KAT2A
							KEMET ELECTRONICS CC	C0603C220K5GAC
							MATSUSHITA/PANASONIC	ECUV1H220KCV
							MURATA MANUFACTURIN	GRM39COG220K050AD
14	2	EA	1900049P008	0	CAP 0603 2.7PF +/- .25PF 50V NPO	C22,C50	AVX CORP	06035A2R7CAT2A
15	2	EA	1900049P010	0	CAP 0603 3.3PF +/- .25PF 50V NPO	C23,C51	KEMET ELECTRONICS CC	C0603C279C5GAC
							AVX CORP	06035A3R3CAT2A
16	4	EA	1900049P006	0	CAP 0603 2.0PF +/- .25PF 50V NPO	C27,C28,C55,C56	KEMET ELECTRONICS CC	C0603C339C5GAC
							KEMET ELECTRONICS CC	C0603C209C5GAC
							MATSUSHITA/PANASONIC	ECUV1H020CCV
							MURATA MANUFACTURIN	GRM39COG2R0C050AD
17	18	EA	1900066P037	0	CAP 1206 1.0UF 10% 16V X7R	C100,C103,C271,C272,C291,C292,C317,C319,C324,C328,C342,C346,C347,C350,C355,C387,C390,C59	AVX CORP	1206YC105KAT2A
							KEMET ELECTRONICS CC	C1206C105K4RAC
							MATSUSHITA/PANASONIC	ECJ3YB1C105K
							MURATA MANUFACTURIN	GRM42-6X7R105K016AL
18	36	EA	1900044P034	0	CAP 0603 0.10UF 10% 16V X7R	C227,C228,C229,C233,C234,C235,C236,C237,C238,C270,C275,C277,C278,C279,C280,C282,C283,C284,C290,C295,C297,C298,C299,C300,C302,C304,C305,C306,C339,C340,C341,C61,C80,C81,C82,C83	AVX CORP	0603YC104KAT2A
							KEMET ELECTRONICS CC	C0603C104K4RAC
							MATSUSHITA/PANASONIC	ECJ1VB1C104K
							MURATA MANUFACTURIN	GRM39X7R104K016AD



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
19	4 EA	1900045P012	0	CAP 0603 220PF 1% 25V NPO	C365,C65,C71,C72	AVX CORP	06033A221FAT2A
20	2 EA	1900189P001	0	CAP TANT 7343 22UF 10% 16V	C84,C89	KEMET ELECTRONICS CC C0603C221F3GAC	
21	2 EA	1900065P035	0	CAP 1206 0.68UF 5% 16V X7R	C94,C99	AVX CORP	TAJD226K016R
22	1 EA	1900044P032	0	CAP 0603 0.068UF 10% 16V X7R	C95	KEMET ELECTRONICS CC T491D226K016AS	
23	2 EA	1900153P006	0	CAP TANT 3216 6.8UF 10% 16V	C397,C98	VISHAY SPRAGUE	293D226X9016D2T
24	7 EA	1900158P006	0	CAP TANT 3216 10UF 20% 10V	C112,C142,C166,C273,C274,C293,C294	AVX CORP	1206YC684JAT2A
25	8 EA	1900048P002	0	CAP 0603 15PF 10% 25V NPO	C132,C133,C137,C138,C156,C157,C161,C162	KEMET ELECTRONICS CC C1206C684J4RAC	
26	2 EA	1900051P006	0	CAP 0603 39PF 2% 50V NPO	C182,C211	MURATA MANUFACTURIN GRM42-6X7R684J016AL	
27	4 EA	1900045P010	0	CAP 0603 150PF 1% 25V NPO	C190,C191,C219,C220	MATSUSHITA/PANASONIC ECJ1VB1C683K	
28	6 EA	1900045P002	0	CAP 0603 33PF 1% 25V NPO	C206,C364,C435,C436,C441,C442	AVX CORP	0603YC683KAT2A
29	2 EA	1900045P007	0	CAP 0603 82PF 1% 25V NPO	C214,C367	KEMET ELECTRONICS CC C0603C683K4RAC	
30	2 EA	1900052P015	0	CAP 0603 180PF 5% 50V NPO	C356,C358	MURATA MANUFACTURIN GRM39X7R683K016AD	
31	1 EA	1900052P018	0	CAP 0603 330PF 5% 50V NPO	C357	AVX CORP	TAJA685K016R
						VISHAY SPRAGUE	293D685X9016A2T
						AVX CORP	TAJA106M010R
						KEMET ELECTRONICS CC T491A106M010AS	
						MATSUSHITA/PANASONIC ECST1AY106R	
						VISHAY SPRAGUE	293D106X0010A2T
						AVX CORP	06033A150KAT2A
						AVX CORP	06035A390GAT2A
						KEMET ELECTRONICS CC C0603C390G5GAC	
						MURATA MANUFACTURIN GRM39COG390G050AD	
						AVX CORP	06033A151FAT2A
						KEMET ELECTRONICS CC C0603C151F3GAC	
						AVX CORP	06033A330FAT2A
						KEMET ELECTRONICS CC C0603C330F3GAC	
						AVX CORP	06033A820FAT2A
						KEMET ELECTRONICS CC C0603C820F3GAC	
						AVX CORP	06035A181JAT2A
						KEMET ELECTRONICS CC C0603C181J5GAC	
						MURATA MANUFACTURIN GRM39COG181J050AD	
						MATSUSHITA/PANASONIC ECUV1H181JCV	
						AVX CORP	06035A331JAT2A
						KEMET ELECTRONICS CC C0603C331J5GAC	
						MURATA MANUFACTURIN GRM39COG331J050AD	
						MATSUSHITA/PANASONIC ECUV1H331JCV	



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
32	2 EA	1900052P003	0	CAP 0603 18PF 5% 50V NPO	C363,C368	AVX CORP	06035A180JAT2A
						KEMET ELECTRONICS	CC C0603C180J5GAC
						MATSUSHITA/PANASONIC	ECUV1H180JCV
						MURATA MANUFACTURIN	GRM39COG180J050AD
34	2 EA	1908700P019	1	SPLITTER RF 2 WAY 0 DEG 200-2500MHZ	DC1,DC2	MINI-CIRCUITS	TCP-2-25
35	1 EA	1901020P008	0	DIODE SINGLE SMALL-SIG 100V 100UA	D1	ON SEMICONDUCTOR	MMBD914LT1
36	1 EA	1901100P014	0	LED 3MM PCB RED	D2	LEDTRONICS	PCL120TR5N-LC
37	1 EA	1901100P013	0	LED 3MM GREEN	D3	LEDTRONICS	PCL120TG5N-LC
38	4 EA	1906003P004	0	FILTER BP 280 MHZ	FL1,FL2,FL3,FL4	SAWTEK INC	855392
39	1 EA	1904300P016	1	VCO 1000-1760 MHZ	G1	Z-COMMUNICATIONS INC	V585ME21
40	1 EA	1904300P001	0	VCO 210-270MHZ	G2	Z-COMMUNICATIONS INC	V240ME01
41	2 EA	1950202P005	0	HEADER PCB 2X 40 DIFF PR	J2,J3	SAMTEC INC	QTH-040-01-L-D-DP-A-K
42	2 EA	1950013P001	0	CONN SMA JACK ST BLKHD PCB 50 OHM	J17,J18	JOHNSON COMPONENTS	142-0711-811
43	11 EA	1900307P018	0	IND 0603 82NH 10% MLC 900MHZ	L1,L132,L134,L14,L27,L28,L31,L48,L61,L73,L85	CENTRAL TECHNOLOGIE	CTLL1608-FH82NK
44	11 EA	1900307P012	0	IND 0603 27NH 10% MLC 1680MHZ	L128,L129,L15,L19,L2,L34,L46,L47,L59,L6,L60	TOKO AMERICA INC	LL1608-FH82NK
						CENTRAL TECHNOLOGIE	CTLL16080-FH27NK
45	6 EA	1900306P007	0	IND 0603 22NH 5% MLC 1850MHZ	L16,L20,L3,L36,L49,L7	TOKO AMERICA INC	LL1608-FH27NK
46	4 EA	1900344P006	1	IND 0906 5.4NH 5% MICROSPRING	L126,L127,L4,L5	CENTRAL TECHNOLOGIE	CTLL1608-FH22NJ
47	7 EA	1900308P005	0	IND 0603 220NH 10% MLF 150MHZ	L130,L131,L21,L35,L38,L51,L8	TOKO AMERICA INC	LL1608-FH22NJ
						COILCRAFT INC	0906-5J
48	4 EA	1900318P007	0	IND 0603 18NH 5% WW 3100MHZ	L22,L40,L53,L9	ASSOCIATED COMPONENTS	MIC0603-R22K
						CENTRAL TECHNOLOGIE	CTML0603-R22K
						TDK CORP	MLF1608DR22KT
						COILCRAFT INC	0603CS-18NXJBC
						KOA SPEER ELECTRONIC	KQ0603TE18NJ
49	2 EA	1900344P004	1	IND AIR CORE 2.55NH 5% 800MHZ	L10,L125	PULSE ENGINEERING INC	PE-0603CD180JTT
50	2 EA	1900307P006	0	IND 0603 8.2NH 10% MLC 3300MHZ	L12,L25	COILCRAFT INC	0906-3J
						CENTRAL TECHNOLOGIE	CTLL1608-FH8N2K
51	2 EA	1900307P003	0	IND 0603 4.7NH 10% MLC 4800MHZ	L13,L26	TOKO AMERICA INC	LL1608-FH8N2K
						CENTRAL TECHNOLOGIE	CTLL1608-FH4N7K
52	5 EA	1900308P013	0	IND 0603 1.0UH 10% MLF 75MHZ	L29,L89,L90,L91,L92	TOKO AMERICA INC	LL1608-FH4N7K
						ASSOCIATED COMPONENTS	MIC0603-1R0K
						CENTRAL TECHNOLOGIE	CTML0603-1R0K
						TDK CORP	MLF1608A1R0KT
53	1 EA	1900318P017	0	IND 0603 100NH 5% WW 1400MHZ	L30	COILCRAFT INC	0603CS-R10XJBC



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item	Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
54	3	EA	1950300P033	0	FERRITE BEAD	L133,L37,L50	KOA SPEER ELECTRONIC	KQ0603TER10J
55	8	EA	1900326P016	0	IND 1008 180NH 5% WW 750MHZ	L42,L43,L55,L56,L71,L72,L83,L84	PULSE ENGINEERING INC	PE-0603CD101JTT
56	10	EA	1900327P029	0	IND 1008 1.2UH 10% WW 250MHZ	L110,L111,L112,L113,L62,L63,L64,L74,L75,L76	TECAL CORP	SB1-1
57	4	EA	1900326P021	0	IND 1008 470NH 5% WW 450MHZ	L68,L80,L96,L97	COILCRAFT INC	1008CS-181XJBC
58	2	EA	1900344P005	1	IND AIR CORE 169NH 5% WW 875MHZ	L119,L81	JW MILLER MAGNETICS	PM1008-1R2K
59	4	EA	1900336P002	1	IND 1812 47NH 5% WW 150MHZ	L120,L144,L145,L82	KOA SPEER ELECTRONIC	KQ1008TE1R2K
60	4	EA	1908100P024	1	MIXER RF 40-2500MHZ 10 DB LOW SMD	M1,M2,M3,M4	COILCRAFT INC	1008CS-471XJBC
61	1	EA	1901000P015	0	TRANSISTOR BIAS RESISTOR NPN	Q1	JW MILLER MAGNETICS	PM1008-R47J
62	1	EA	1901000P008	0	TRANSISTOR BJT PNP	Q3	KOA SPEER ELECTRONIC	KQ1008TER47J
63	2	EA	1901000P014	0	TRANSISTOR MOSFET N CHANNEL	Q6,Q7	COILCRAFT INC	132-12SMJ
64	10	EA	1900003P210	0	RES 0603 1470 OHM 1/16W 1%	R1,R155,R172,R25,R318,R50,R59,R60,R61,R66	COILCRAFT INC	1812SMS-47NJ
65	13	EA	1900003P138	0	RES 0603 261 OHM 1/16W 1%	R122,R139,R156,R173,R2,R23,R26,R28,R4,R5,R64,R67,R99	MINI-CIRCUITS	SYM-25DLHW
							ON SEMICONDUCTOR	MUN5211DW1T1
							MOTOROLA INC	MMBT2907ALT1
							INTERNATIONAL RECTIFIER	IRF7413
							MATSUSHITA/PANASONIC	ERJ3EKF1471V
							KOA SPEER ELECTRONIC	RK73H1JT1471F
							AVX CORP	CR10-1471F-T
							VISHAY DALE	CRCW06031471FRT1
							AVX CORP	CR10-2610F-T
							KOA SPEER ELECTRONIC	RK73H1JT2610F
							MATSUSHITA/PANASONIC	ERJ3EKF2610V
							VISHAY DALE	CRCW06032610FRT1



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item	Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
66	81	EA	1900003P098	0	RES 0603 100 OHM 1/16W 1%	R107,R108,R109,R110,R124,R125,R126,R127,R13,R14,R141,R142,R148,R149,R158,R159,R16,R165,R166,R17,R211,R212,R213,R214,R215,R216,R217,R218,R219,R220,R221,R222,R223,R224,R225,R226,R227,R228,R229,R230,R231,R232,R233,R234,R235,R236,R237,R238,R239,R24,R240,R241,R242,R256,R27,R3,R319,R320,R338,R339,R342,R343,R348,R349,R35,R350,R351,R353,R354,R356,R357,R36,R38,R39,R6,R87,R89,R90,R95,R96,R97	AVX CORP	CR10-1000F-T
67	11	EA	1900004P097	0	RES 0603 100 KOHM 1/16W 5%	R100,R123,R140,R157,R174,R255,R29,R314,R65,R68,R7	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE AVX CORP	RK73H1JT1000F ERJ3EKF1000V CRCW06031000FRT1 CR10-104J-T
68	8	EA	1900004P018	0	RES 0603 51 OHM 1/16W 5%	R116,R133,R18,R336,R340,R40,R92,R93	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE AVX CORP BOURNS INC	RM73B1JT104J ERJ3GSYJ104V CRCW0603104JRT1 CR10-510J-T CR0603JW510E
69	10	EA	1900004P036	0	RES 0603 300 OHM 1/16W 5%	R117,R120,R134,R137,R19,R22,R360,R361,R41,R44	MATSUSHITA/PANASONIC VISHAY DALE AVX CORP	ERJ3GSYJ510V CRCW0603510JRT1 CR10-301J-T
70	10	EA	1900004P003	0	RES 0603 12 OHM 1/16W 5%	R101,R102,R119,R136,R21,R296,R300,R305,R309,R43	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE AVX CORP	RM73B1JT301J ERJ3GSYJ301V CRCW0603301JRT1 CR10-120J-T
71	6	EA	1900004P051	0	RES 0603 1200 OHM 1/16W 5%	R285,R45,R54,R55,R57,R58	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC AVX CORP VISHAY DALE	RM73B1JT120J ERJ3GSYJ120V CRCW0603120JRT1 RM73B1JT122J ERJ3GSYJ122V CR10-122J-T CRCW0603122JRT1



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
72	1 EA	1900004P001	0	RES 0603 10 OHM 1/16W 5%	R46	AVX CORP	CR10-100J-T
						KOA SPEER ELECTRONIC	RM73B1JT100J
						MATSUSHITA/PANASONIC	ERJ3GSYJ100V
						VISHAY DALE	CRCW0603100JRT1
73	8 EA	1900003P259	0	RES 0603 4750 OHM 1/16W 1%	R183,R184,R185,R279,R280,R283,R284,R49	MATSUSHITA/PANASONIC	ERJ3EKF4751V
						KOA SPEER ELECTRONIC	RK73H1JT4751F
						AVX CORP	CR10-4751F-T
						VISHAY DALE	CRCW06034751FRT1
74	4 EA	1900003P001	0	RES 0603 0 OHM JUMPER	CP1,CP2,R53,R56	AVX CORP	CJ10-000-T
						MATSUSHITA/PANASONIC	ERJ3GSYJ000V
						VISHAY DALE	CRCW0603000RT1
						KOA SPEER ELECTRONIC	RM73Z1JT
75	11 EA	1900004P020	0	RES 0603 62 OHM 1/16W 5%	R295,R299,R303,R304,R308,R337,R341,R62, R85,R88,R91	AVX CORP	CR10-620J-T
						KOA SPEER ELECTRONIC	RM73B1JT620J
						MATSUSHITA/PANASONIC	ERJ3GSYJ620V
						VISHAY DALE	CRCW0603620JRT1
76	15 EA	1900003P194	0	RES 0603 1000 OHM 1/16W 1%	R186,R259,R260,R261,R262,R263,R264,R26 5,R266,R267,R268,R278,R281,R317,R84	AVX CORP	CR10-1001F-T
						KOA SPEER ELECTRONIC	RK73H1JT1001F
						MATSUSHITA/PANASONIC	ERJ3EKF1001V
						VISHAY DALE	CRCW06031001FRT1
						MATSUSHITA/PANASONIC	ERJ3GSYJ331V
77	9 EA	1900004P037	0	RES 0603 330 OHM 1/16W 5%	R111,R191,R248,R249,R257,R258,R312,R31 3,R86		
						KOA SPEER ELECTRONIC	RM73B1JT331J
						AVX CORP	CR10-331J-T
						VISHAY DALE	CRCW0603331JRT1
78	33 EA	1900004P073	0	RES 0603 10 KOHM 1/16W 5%	R112,R129,R175,R176,R177,R178,R179,R18 0,R181,R182,R188,R189,R192,R246,R247,R2 53,R254,R269,R270,R272,R274,R275,R276,R 277,R282,R286,R287,R316,R321,R322,R358, R359,R94	AVX CORP	CR10-103J-T
						KOA SPEER ELECTRONIC	RM73B1JT103J
						MATSUSHITA/PANASONIC	ERJ3GSYJ103V
						VISHAY DALE	CRCW0603103JRT1
79	3 EA	1900003P185	0	RES 0603 806 OHM 1/16W 1%	R121,R138,R98	AVX CORP	CR10-8060F-T



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item	Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
80	13	EA	1900003P159	0	RES 0603 432 OHM 1/16W 1%	R103,R104,R105,R106,R297,R298,R301,R302,R306,R307,R310,R311,R83	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE AVX CORP	RK73H1JT8060F ERJ3EKF8060V CRCW06038060FRT1 CR10-4320F-T
81	10	EA	1900004P017	0	RES 0603 47 OHM 1/16W 5%	R143,R144,R150,R151,R160,R161,R167,R168,R352,R355	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE AVX CORP	RK73H1JT4320F ERJ3EKF4320V CRCW06034320FRT1 CR10-470J-T
82	4	EA	1900016P007	0	RES 2010 18 OHM 1/2W 5%	R145,R146,R162,R163	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE	RM73B1JT470J ERJ3GSYJ470V CRCW0603470JRT1
84	1	EA	1900003P306	0	RES 0603 14.7 KOHM 1/16W 1%	R315	KOA SPEER ELECTRONIC MATSUSHITA/PANASONIC VISHAY DALE MATSUSHITA/PANASONIC KOA SPEER ELECTRONIC AVX CORP VISHAY DALE	RM73B2HT180J ERJ1Z2YJ180U CRCW2010180JRT1 ERJ3EKF1472V RK73H1JT1472F CR10-1472F-T CRCW06031472FRT1
85	2	EA	1908500P007	0	TRANSFORMER RF 4:1 SMD	T1,T2	MINI-CIRCUITS	ADT4-1T-TR
86	6	EA	1903000P007	0	VOLTAGE REGULATOR ADJ LDO 0.5A	U1,U18,U22,U24,U4,U67	LINEAR TECHNOLOGY	CCLT1763CS8
87	6	EA	1908000P019	0	AMP RF SIGE DC-3500MHZ 50 OHM SMD	U19,U20,U62,U63,U64,U65	SIRENZA MICRODEVICES	SGA-3486
88	6	EA	1908000P022	0	AMP RF SIGE DC-5000 MHZ	U21,U23,U25,U29,U3,U6	SIRENZA MICRODEVICES	SGA-4286
89	1	EA	1903004P001	0	VOLTAGE REGULATOR PROGRAMMABLE	U7	MOTOROLA INC ST MICROELECTRONICS	MC1723CD LM723CD
90	1	EA	1902006P045	0	HOT SWAP PCI PWR CONTROLLER	U9	MICREL SEMICONDUCTO	MIC2580-1.0BTS
91	4	EA	1903000P019	1	VOLTAGE REGULATOR LOW NOISE LDO 1.5	U10,U11,U28,U32	LINEAR TECHNOLOGY	CCLT1963AEQ
92	1	EA	1902006P044	2	I2C 8-BIT EXPANDER SOIC 16	U12	PHILIPS SEMICONDUCTO	PCF8574AT
93	1	EA	1902006P081	1	IC HOT SWAP I2C BUFFER	U13	TEXAS INSTRUMENTS INC	PCF8574ADW
94	1	EA	1902200P004	0	EEPROM 2 WIRE SERIAL	U15	LINEAR TECHNOLOGY	CCLT4300-1IMS8
95	1	EA	1902406P003	0	FREQ SYNTHESIZER 2.5GHZ	U16	ATMEL CORP	AT34C02N-10SI-2.7
96	2	EA	1902802P002	0	TRANSCEIVER SINGLE LVDS 3.3/5V	U17,U54	NATIONAL SEMICONDUCT	LMX2330LTM
97	2	EA	1908000P008	0	AMP RF SIGE DC-3.5GHZ SMD	U26,U30	NATIONAL SEMICONDUCT	DS92LV010ATM
98	2	EA	1908000P009	0	AMP RF SIGE DC-3GHZ SMD	U27,U31	SIRENZA MICRODEVICES	SGA-6286-TR1
99	4	EA	1902801P001	0	I2C 16 BIT I/O EXPANDER	U33,U35,U36,U56	SIRENZA MICRODEVICES PHILIPS SEMICONDUCTO	SGA-6386-TR1 PCF8575TSDB-T



Part No. 1000835G001

RAN DOWN CONVERTER CCA
Revision P, 10/13/05

Item Qty	U/M	Component	Rev	Description	Ref. Desig.	Manufacturer	Mfg#
100	1 EA	1902006P068	0	IC 4 CHAN I2C MULTIPLEXER	U34	PHILIPS SEMICONDUCTO	PCA9544PW
101	1 EA	1902201P005	0	FPGA XCS40XL	U38	PHILIPS SEMICONDUCTO	PCA9544APW
102	1 EA	1902402P007	1	OP AMP LOW NOISE HIGH SPEED	U39	XILINX INC	XCS40XL-4PQ240C
103	2 EA	1902006P042	0	16 BIT LVDS SERIALIZER/ DESERIALIZE	U41,U42	LINEAR TECHNOLOGY	CC LT1128CS8
104	2 EA	1902800P007	0	A/D CONVERTER 14 BIT 65 MSPS	U49,U52	NATIONAL SEMICONDUCT	DS92LV16TVHG
105	2 EA	1902002P001	0	TRANSLATOR TTL-PECL	U51,U55	ANALOG DEVICES INC	AD6644AST-65
106	1 EA	1902400P002	0	SUPPLY VOLTAGE SUPERVISORY CKT	U58	ON SEMICONDUCTOR	MC100ELT20DR2
107	1 EA	1000950G001	F	RAN DOWN CONVERTER FPGA CONFIG PROM	U59	TEXAS INSTRUMENTS INC	TLC7733IDR
108	1 EA	1902804P001	0	DATA SELECTOR 2:1 QUAD	U60	INTEGRATED DEVICE	TEC IDT74LVC157APY
109	1 EA	1903000P015	0	VOLTAGE REGULATOR ADJ LDO 0.5A NEG	U66	LINEAR TECHNOLOGY	CC LT1175IS8
110	2 EA	1902405P008	1	IC TINY LOGIC HS 2 INPUT NAND GATE	U73,U74	FAIRCHILD SEMICONDUCT	NC7S00M5X
111	2 EA	1903003P002	0	VOLTAGE REGULATOR 5V 0.5A SMD	VR1,VR2	ON SEMICONDUCTOR	MC78M05CDT
112	2 EA	1903000P005	0	VOLTAGE REGULATOR 3.3V LDO 0.1A	VR4,VR5	LINEAR TECHNOLOGY	CC LT1761ES5-3.3
115	2 EA	1908000P025	1	AMP RF SIGE DC-3600MHZ GAIN BLK SMD	U2,U5	SIRENZA MICRODEVICES	SGA-3286
116	1 EA	1900044P028	0	CAP 0603 0.033UF 10% 16V X7R	C96	MATSUSHITA/PANASONIC	ECJ1VB1C333K
						AVX CORP	0603YC333KAT2A
						KEMET ELECTRONICS	CC C0603C333K4RAC
117	1 EA	1901000P019	0	TRANSISTOR PWR 40V/40W T0220	REWK-Q1	FAIRCHILD SEMICONDUCT	TIP31
						ON SEMICONDUCTOR	TIP31
500	1 EA	1000836P001	A1	RAN DOWN CONVERTER PWB			
501	1 EA	1000835-ASSY	N	RAN DOWN CONVERTER CCA DRAWING			
502	1 EA	1000837-SCH	G	SCHEMATIC, RAN DOWN CCA			
510	1 EA	1000835-RWK	B	RAN DOWN CONVERTER CCA REWORK INST			

Revision: E
Effectivity Date: 6/8/04

Production Bill of Material with Reference Designators

Parent:	1000854G001		Description:	CCA REVERSE SIMULCAST ASSEMBLY		
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
1	2	EA	1950217P001	CONN PCB RT CPCI J1-J4	-	J1, J4
			Vendor 1:	TYCO ELECTRONICS 352068-1	Vendor 3:	
			Vendor 2:		Vendor 4:	
2	1	EA	1901100P012	LED 3MM PCB BLUE	-	LED13
			Vendor 1:	LEDTRONICS PCL120TUB500	Vendor 3:	
			Vendor 2:		Vendor 4:	
3	1	EA	1901100P014	LED 3MM PCB RED	-	LED14
			Vendor 1:	LEDTRONICS PCL120TR5N-LC	Vendor 3:	
			Vendor 2:		Vendor 4:	
4	1	EA	1901100P013	LED 3MM GREEN	-	LED15
			Vendor 1:	LEDTRONICS PCL120TG5N-LC	Vendor 3:	
			Vendor 2:		Vendor 4:	
5	12	EA	1901100P015	LED 3MM PCB TRICOLOR	-	LED1 - LED12
			Vendor 1:	LEDTRONICS PCD130TWRG4B-3A	Vendor 3:	
			Vendor 2:		Vendor 4:	
6	1	EA	1902006P069	IC PCI 1/0 ACCELERATOR 3.3V PQFP	-	U21
			Vendor 1:	PLX TECHNOLOGY PCI9030-AA60PI	Vendor 3:	
			Vendor 2:		Vendor 4:	

Parent: 1000854G001 Description: CCA REVERSE SIMULCAST ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
7	1	EA	1001623G001	REVERSE SIMULCAST MOD 93LC66 EEPFA		U22
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
8	3	EA	1902405P006	IC TINY LOGIC SINGLE TRISTATE BUFFR -		U29 - U31
		Vendor 1:	FAIRCHILD	NC7SZ125M5X	Vendor 3:	
		Vendor 2:			Vendor 4:	
9	2	EA	1901021P010	DIODE ZENER SMD 5.6V 5% .225W	-	ZD1, ZD2
		Vendor 1:	ON SEMICONDUCTOR	BZX84C5V6LT1	Vendor 3:	
		Vendor 2:	VISHAY	BZX84C5V6GS08	Vendor 4:	
10	1	EA	1902201P006	IC SPARTAN2 FPGA FINE PITCH BGA	-	U20
		Vendor 1:	XILINX	XC2S200-6FG456C	Vendor 3:	
		Vendor 2:			Vendor 4:	
11	1	EA	1000973G001	REVERSE SIMULCAST XC9572 CPLD	B	U24
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
12	1	EA	1902006P058	IC 2.5V REGULATOR SOT223	-	U32
		Vendor 1:	LINEAR TECHNOLOGIES	LT1963EST-2.5	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1000854G001 Description: CCA REVERSE SIMULCAST ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
13	1	EA	1902006P059	IC CPC1 HOT SWAP CONTROLLER	-	U23
		Vendor 1:	LINEAR	LTC1646CGN	Vendor 3:	
		Vendor 2:			Vendor 4:	
14	8	EA	1902006P060	IC PLL 4 OUTPUTS	-	U9 - U16
		Vendor 1:	ICS	ICS672M-02	Vendor 3:	
		Vendor 2:			Vendor 4:	
15	1	EA	1902006P061	IC CLOCK BUFFER 4 OUTPUTS	-	U18
		Vendor 1:	ICS	ICS8304AM	Vendor 3:	
		Vendor 2:			Vendor 4:	
16	1	EA	1902006P062	IC CLOCK BUFFER 8 OUTPUTS	-	U19
		Vendor 1:	ICS	ICS552G-02	Vendor 3:	
		Vendor 2:			Vendor 4:	
17	8	EA	1902006P042	16 BIT LVDS SERIALIZER/ DESERIALIZE	-	U1 - U8
		Vendor 1:	NATIONAL SEMICOND	DS92LV16TVHG	Vendor 3:	
		Vendor 2:			Vendor 4:	
18	1	EA	1902006P063	IC LVDS TO LVTTTL RECEIVER	-	U17
		Vendor 1:	NATIONAL	DS90LV018ATM	Vendor 3:	
		Vendor 2:			Vendor 4:	
19	2	EA	1902006P064	IC LED DRIVER 8 OUTPUTS	-	U27, U28
		Vendor 1:	ALLEGRO	A6275SLW	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1000854G001 Description: CCA REVERSE SIMULCAST ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
20	2	EA	1902006P065	IC LED DRIVER 16 OUTPUTS	-	U25, U26
			Vendor 1: ALLEGRO	A6276SLW		Vendor 3:
			Vendor 2:			Vendor 4:
21	2	EA	1901000P014	TRANSISTOR MOSFET N CHANNEL	-	Q1, Q2
			Vendor 1: INTERNATIONAL RECTIFIER	IRF7413		Vendor 3:
			Vendor 2:			Vendor 4:
22	16	EA	1900327P038	IND 1008 10UH 10% WW 32MHZ	-	L1 - L16
			Vendor 1: EPCOS	B82494-A1103-K		Vendor 3:
			Vendor 2:			Vendor 4:
23	86	EA	1900032P023	CAP 0402 0.01UF 10% 16V X7R	-	C50 - C97, C140 - C177
			Vendor 1: Panasonic	ECUE1C103KBQ		Vendor 3: Kemet C0402C103K4RAC
			Vendor 2: AVX	0402YC103KAT2A		Vendor 4: Murata GRM36X7R103K016AD
24	57	EA	1900044P034	CAP 0603 0.10UF 10% 16V X7R	-	C18 - C49, C180 - C204
			Vendor 1: Panasonic	ECJ1VB1C104K		Vendor 3: Kemet C0603C104K4RAC
			Vendor 2: AVX	0603YC104KAT2A		Vendor 4: Murata GRM39X7R104K016AD
25	17	EA	1900166P005	CAP TANT 3528 10UF 10% 20V	-	C1 - C17
			Vendor 1: AVX	TAJB106K020R		Vendor 3: VISHAY-SPRAGUE 293D106X9020B2T
			Vendor 2: KEMET	T491B106K020AS		Vendor 4:

Parent: 1000854G001 Description: CCA REVERSE SIMULCAST ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
26	1	EA	1900015P484	RES 2010 0.010 OHM 1/2W 1%	-	R29
		Vendor 1:	VISHAY	WSL2010-.010-1%R86	Vendor 3:	
		Vendor 2:			Vendor 4:	
27	1	EA	1900015P486	RES 2010 0.020 OHM 1/2W 1%	-	R30
		Vendor 1:	VISHAY	WSL2010-.020-1%R86	Vendor 3:	
		Vendor 2:			Vendor 4:	
28	1	EA	1900001P013	RES 0402 33 OHM 1/16W 5%	-	R40
		Vendor 1:	AVX	CR05-330J-T	Vendor 3:	DALE CRCW0402330JRT1
		Vendor 2:	PANASONIC	ERJ2GEJ330X	Vendor 4:	ROHM MCR01MZSJ330
29	4	EA	1900001P056	RES 0402 2000 OHM 1/16W 5%	-	R25 - R28
		Vendor 1:	AVX	CR05-202J-T	Vendor 3:	DALE CRCW0402202JRT1
		Vendor 2:	PANASONIC	ERJ2GEJ202X	Vendor 4:	KOA RM73B1ET202J
30	11	EA	1900001P025	RES 0402 100 OHM 1/16W 5%	-	R1 - R8, R35 - R37
		Vendor 1:	AVX	CR05-101J-T	Vendor 3:	DALE CRCW0402101JRT1
		Vendor 2:	PANASONIC	ERJ2GEJ101X	Vendor 4:	KOA RM73B1ET101J
31	7	EA	1900001P049	RES 0402 1000 OHM 1/16W 5%	-	R19 - R22, R31 - R33
		Vendor 1:	AVX	CR05-102J-T	Vendor 3:	DALE CRCW0402102JRT1
		Vendor 2:	PANASONIC	ERJ2GEJ102X	Vendor 4:	KOA RM73B1ET102J
32	10	EA	1900001P073	RES 0402 10 KOHM 1/16W 5%	-	R10 - R17, R24, R41
		Vendor 1:	AVX	CR05-103J-T	Vendor 3:	DALE CRCW0402103JRT1
		Vendor 2:	PANASONIC	ERJ2GEJ103X	Vendor 4:	KOA RM73B1ET103J

Parent: 1000854G001 Description: CCA REVERSE SIMULCAST ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
33	4	EA	1900007P152	RES 0805 10 MOHM 1/10W 5%	-	R50 - R53
		Vendor 1:	PANASONIC	ERJ6GEYJ106V	Vendor 3:	
		Vendor 2:			Vendor 4:	
34	13	EA	1900017P004	RES NETWORK 10 OHM 5% 4R ISO	-	RN22 - RN34
		Vendor 1:	CTS	742C083100J	Vendor 3:	
		Vendor 2:			Vendor 4:	
35	18	EA	1900017P005	RES NETWORK 10 KOHM 5% 4R ISOL	-	RN1 - RN18
		Vendor 1:	CTS	742C083103J	Vendor 3:	
		Vendor 2:			Vendor 4:	
36	5	EA	1900017P006	RES NETWORK 3.3 KOHM 5% 4R ISOL	-	RN35 - RN39
		Vendor 1:	CTS	742C083332J	Vendor 3:	
		Vendor 2:			Vendor 4:	
37	3	EA	1900017P007	RES NETWORK 33 OHM 5% 4R ISOL	-	RN19 - RN21
		Vendor 1:	CTS	742C083330J	Vendor 3:	
		Vendor 2:			Vendor 4:	
38	2	EA	1900017P008	RES NETWORK 470 OHM 5% 4R ISO	-	RN40, RN41
		Vendor 1:	CTS	742C083471J	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent:	1000854G001	Description:	CCA REVERSE SIMULCAST ASSEMBLY			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
39	1	EA	1950211P001	CONN HEADER STRAIGHT 3 POS SMT	-	HDR1
		Vendor 1:	MOLEX	53398-0390	Vendor 3:	
		Vendor 2:			Vendor 4:	
40	1	EA	1950211P006	CONN HEADER STRAIGHT 16 POS 2X8 SM-		HDR3
		Vendor 1:	SAMTEC	TSM-108-01-L-DV	Vendor 3:	
		Vendor 2:			Vendor 4:	
41	2	EA	1950211P007	CONN HEADER STRAIGHT 20 POS 2X10 S-		HDR4, HDR5
		Vendor 1:	SAMTEC	TSM-110-01-L-DV	Vendor 3:	
		Vendor 2:			Vendor 4:	
44	1	EA	1000855P001	PWB REVERSE SIMULCAST	A2	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
45	0	EA	1000856	SCHEMATIC REVERSE SIMULCAST	C	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
48	16	EA	1900055P039	CAP 0805 0.33UF 10% 16V X7R	-	C100 - C115
		Vendor 1:	Panasonic	ECJ2YB1C334K	Vendor 3:	Kemet C0805C334K4RAC
		Vendor 2:	AVX	0805YC334KAT2A	Vendor 4:	Murata GRM40X7R334K016AL
49	16	EA	1900044P028	CAP 0603 0.033UF 10% 16V X7R	-	C116 - C131
		Vendor 1:	Panasonic	ECJ1VB1C333K	Vendor 3:	Kemet C0603C333K4RAC
		Vendor 2:	AVX	0603YC333KAT2A	Vendor 4:	

Parent: 1000854G001 Description: CCA REVERSE SIMULCAST ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
50	1	EA	1000858P001	REVERSE SIMULCAST FRONT PANEL	B	
			Vendor 1: PENTAIR	23892-089	Vendor 3:	
			Vendor 2:		Vendor 4:	
51	2	EA	1900001P001	RES 0402 10 OHM 1/16W 5%	-	R23, R34
			Vendor 1: AVX	CR05-100J-T	Vendor 3: DALE	CRCW0402100JRT1
			Vendor 2: PANASONIC	ERJ2GEJ100X	Vendor 4: KOA	RM73B1ET100J
501	0	EA	1000854-ASSY	REVERSE SIMULCAST CCA DRAWING	E	
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	

*** END OF REPORT ***

1001783G001: RAN UP CONV 3 CCA

Revision: A1

Date: 08/31/05

Item	BOM Qty	U/M	Component	Description	Ref. Desig.
1	2 EA		1920003P052	ATTENUATOR RF DIG 6-BIT 31.5DB	AT1,AT2
2	2 EA		1908301P005	COUPLER DIRECTIONAL SMT 9.5DB	CP1,CP2
3	154 EA		1900032P023	CAP 0402 0.01UF 10% 16V X7R	C1,C10,C100,C123,C127,C131,C132,C133,C134,C136,C137,C138,C14,C140,C144,C159,C163,C168,C2,C202,C205,C230,C253,C257,C264,C267,C272,C275,C281,C284,C29,C291,C294,C297,C298,C3,C310,C317,C330,C342,C347,C348,C349,C35,C360,C361,C362,C366,C369,C374,C377,C38,C383,C386,C393,C396,C399,C4,C400,C412,C419,C432,C444,C449,C450,C451,C462,C463,C464,C465,C467,C469,C473,C479,C480,C485,C486,C489,C494,C499,C504,C507,C508,C509,C511,C514,C519,C523,C530,C535,C538,C541,C544,C545,C546,C547,C548,C549,C550,C551,C552,C553,C6,C625,C626,C636,C640,C646,C653,C655,C657,C658,C659,C660,C661,C662,C663,C664,C674,C675,C677,C687,C688,C690,C7,C701,C703,C705,C72,C725,C727,C730,C742,C745,C748,C75,C751,C764,C765,C766,C775,C776,C777,C786,C787,C793,C797,C8,C801,C802,C803,C804,C805,C806
4	40 EA		1900100P001	CAP 0805 1.0UF 20% 10V	C11,C120,C13,C135,C139,C141,C143,C199,C212,C224,C250,C303,C322,C405,C424,C477,C482,C5,C503,C540,C543,C554,C555,C556,C558,C612,C614,C619,C651,C652,C654,C682,C69,C695,C700,C708,C795,C82,C9,C94
5	55 EA		1900044P034	CAP 0603 0.10UF 10% 16V X7R	C12,C124,C125,C126,C142,C254,C255,C256,C270,C279,C286,C372,C381,C388,C466,C468,C475,C500,C505,C520,C539,C542,C579,C580,C581,C582,C583,C586,C587,C588,C589,C590,C591,C616,C617,C618,C620,C621,C622,C624,C656,C702,C704,C706,C707,C709,C710,C711,C712,C713,C714,C715,C716,C717,C718
6	6 EA		1900032P030	CAP 0402 22PF 1% 50V NPO	C145,C15,C156,C26,C334,C436
7	8 EA		1900032P042	CAP 0402 68PF 1% 50V NPO	C146,C16,C169,C171,C215,C39,C41,C87
8	16 EA		1900032P043	CAP 0402 82PF 1% 50V NPO	C105,C109,C117,C147,C148,C17,C18,C184,C196,C235,C239,C247,C491,C492,C54,C66
9	2 EA		1900050P009	CAP 0603 120PF 1% 50V NPO	C149,C19
10	2 EA		1900032P049	CAP 0402 39 PF 5% 50V COG	C150,C20
11	8 EA		1900032P037	CAP 0402 2.2 PF +/- 0.25PF 50V NPO	C101,C151,C21,C231,C311,C312,C413,C414
12	44 EA		1900032P031	CAP 0402 100PF 1% 50V NPO	C118,C152,C153,C197,C210,C22,C222,C23,C248,C278,C288,C289,C290,C299,C301,C308,C309,C320,C324,C380,C390,C391,C392,C401,C403,C410,C411,C422,C426,C470,C474,C483,C493,C510,C593,C596,C637,C67,C684,C697,C794,C796,C80,C92
13	2 EA		1900051P020	CAP 0603 75PF 2% 50V NPO	C154,C24
14	2 EA		1900032P047	CAP 0402 8.2 PF +/- .25 PF 50V COG	C155,C25
15	33 EA		1900190P002	CAP TANT 2012-12 3.3 UF 10% 10V	C121,C157,C161,C166,C201,C203,C228,C251,C27,C31,C338,C340,C345,C350,C36,C440,C442,C447,C452,C521,C524,C527,C529,C533,C613,C615,C71,C73,C740,C743,C747,C749,C98
16	60 EA		1900177P007	CAP TANT 6032-15 10UF 20V 10%	C122,C158,C162,C167,C200,C204,C229,C252,C277,C28,C287,C32,C323,C339,C341,C344,C346,C351,C355,C357,C359,C37,C379,C389,C425,C441,C443,C446,C448,C453,C457,C459,C461,C471,C522,C528,C534,C594,C597,C598,C600,C604,C610,C634,C644,C650,C681,C694,C698,C70,C726,C728,C729,C74,C741,C744,C746,C750,C799,C99
17	2 EA		1900032P039	CAP 0402 33 PF 5% 50V NPO	C170,C40
18	4 EA		1900032P040	CAP 0402 43PF 5% 50V NPO	C172,C175,C42,C45
19	10 EA		1900032P024	CAP 0402 180PF 5% 50V NPO	C173,C174,C300,C315,C402,C417,C43,C44,C512,C517
20	8 EA		1900032P053	CAP 0402 3900 PF 5% 50V X7R	C183,C187,C188,C193,C53,C57,C58,C63

Item	BOM Qty	U/M	Component	Description	Ref. Desig.
21	16	EA	1900032P044	CAP 0402 680PF 5% 50V X7R	C186,C213,C214,C225,C319,C328,C329,C421,C430,C431,C56,C807,C808,C83,C84,C95
22	68	EA	1900032P026	CAP 0402 1000PF 5% 50V X7R	C111,C116,C119,C128,C129,C130,C189,C195,C198,C211,C216,C217,C218,C219,C220,C221,C223,C241,C246,C249,C258,C259,C260,C296,C302,C318,C321,C353,C354,C398,C404,C420,C423,C455,C456,C525,C526,C531,C532,C557,C559,C59,C602,C603,C608,C609,C633,C635,C641,C642,C647,C648,C65,C678,C679,C68,C683,C691,C692,C696,C81,C85,C86,C88,C89,C90,C91,C93
23	6	EA	1900032P046	CAP 0402 6.8 PF +/- .5 PF 50V COG	C108,C113,C191,C238,C243,C61
24	4	EA	1900032P048	CAP 0402 15PF 5% 50V COG	C110,C192,C240,C62
25	4	EA	1900032P027	CAP 0402 1.5PF +/- .25PF 50V NPO	C102,C103,C232,C233
26	2	EA	1900032P033	CAP 0402 2.7PF +/- .25PF 50V NPO	C104,C234
27	2	EA	1900041P006	CAP 0402 18PF 5% 50V NPO	C106,C236
28	2	EA	1900032P038	CAP 0402 27 PF 1% 50V NPO	C107,C237
29	4	EA	1900032P028	CAP 0402 3.9PF +/- .25PF 50V NPO	C114,C244,C731,C732
30	4	EA	1900055P039	CAP 0805 0.33UF 10% 16V X7R	C261,C292,C363,C394
31	4	EA	1900043P042	CAP 0603 0.15UF 5% 16V X7R	C262,C293,C364,C395
32	10	EA	1900190P005	CAP TANT 2012-15 22 UF 20% 4VDC	C263,C268,C271,C276,C336,C365,C370,C373,C378,C438
33	14	EA	1900032P034	CAP 0402 10PF +/- 5% 50V NPO	C265,C266,C273,C274,C280,C285,C325,C367,C368,C375,C376,C382,C387,C427
34	5	EA	1900221P002	CAP 1206 4.7UF 10% 16V X5R	C269,C295,C371,C397,C481
35	8	EA	1900151P006	CAP TANT 3216 22UF 10% 6.3V	C282,C283,C384,C385,C472,C495,C638,C792
36	3	EA	1900052P018	CAP 0603 330PF 5% 50V NPO	C307,C409,C513
37	4	EA	1900153P006	CAP TANT 3216 6.8UF 10% 16V	C316,C418,C484,C518
38	2	EA	1900043P046	CAP 0603 .056UF 5% 16V X7R	C331,C433
39	4	EA	1900032P029	CAP 0402 12PF 5% 50V NPO	C333,C335,C435,C437
40	2	EA	1900054P038	CAP 0805 0.27UF 5% 16V X7R	C337,C439
41	24	EA	1900163P006	CAP TANT 3528-12 3.3UF 10% 20V	C343,C352,C356,C358,C445,C454,C458,C460,C599,C601,C605,C607,C611,C631,C632,C639,C643,C645,C649,C676,C680,C689,C693,C798
42	2	EA	1900066P037	CAP 1206 1.0UF 10% 16V X7R	C476,C606
43	1	EA	1900032P036	CAP 0402 150PF +/- 1% 50V NPO	C490
44	1	EA	1900043P025	CAP 0603 0.018UF 5% 16V X7R	C498
45	1	EA	1900054P043	CAP 0805 0.56UF 5% 16V X7R	C502
46	1	EA	1900049P022	CAP 0603 10PF +/-0.5PF 50V NPO	C585
47	1	EA	1901100P014	LED 3MM PCB RED	D1
48	1	EA	1901100P013	LED 3MM GREEN	D2
49	2	EA	1901100P016	LED 3MM PCB YELLOW	D4,D5
50	1	EA	1900212P006	UNIDIRECTIONAL TRANSIENT SUPPRESSOR	D12
51	2	EA	1906003P034	FILTER BP SAW 326.4 MHZ	FL1,FL2
52	2	EA	1906003P037	FILTER CERAMIC LOW PASS DC-1800 MHZ	FL3,FL4
53	1	EA	1904400P014	OSCILLATOR CRYSTAL VCTCXO 18 MHZ	G5
54	1	EA	1904300P022	VCO 42-46 MHZ 0 DBM MINIMUM OUTPUT	G6
55	2	EA	1904300P025	VCO 1180-1270 MHZ	G10,G7
56	2	EA	1904300P026	VCO 1600-1670 MHZ	G11,G8
57	2	EA	1904300P027	VCO 294-296 MHZ MINI-16-LOW	G12,G9
58	2	EA	1950013P003	CONN SMA JACK RT BLKHD PCB	J6,J9
59	2	EA	1950209P003	HEADER PC RT ANGLE 1X8	J7,J8

1001783G001: RAN UP CONV 3 CCA

Revision: A1

Date: 08/31/05

Item	BOM Qty	U/M	Component	Description	Ref. Desig.
60	57	EA	1900400P004	FERRITE BEAD 100 MA 1000 OHM 0603	L1,L100,L102,L105,L114,L115,L116,L117,L118,L119,L120,L121,L122,L123,L124,L125,L129,L133,L135,L138,L148,L149,L159,L165,L186,L187,L188,L189,L190,L2,L201,L202,L203,L212,L213,L230,L3,L30,L40,L41,L42,L43,L71,L80,L81,L82,L83,L84,L85,L86,L87,L88,L89,L90,L91,L92,L96
61	10	EA	1900339P001	IND 1812 120NH 2% WW 150 MHZ	L4,L44,L45,L46,L47,L48,L5,L6,L7,L8
62	55	EA	1900400P003	FERRITE BEAD 200 MA 600 OHM 0805	L10,L106,L107,L108,L109,L110,L112,L113,L12,L139,L140,L141,L142,L143,L145,L146,L147,L157,L166,L167,L169,L174,L176,L178,L180,L182,L183,L185,L194,L196,L198,L200,L210,L211,L22,L226,L227,L228,L229,L23,L232,L24,L32,L38,L39,L49,L50,L52,L62,L63,L64,L72,L78,L79,L9
63	6	EA	1900317P023	IND 0603 8.7 NH 2% 4600 MHZ WW	L13,L14,L15,L53,L54,L55
64	6	EA	1900317P021	IND 0603 270 NH 2% WW 900 MHZ	L101,L134,L18,L28,L58,L68
65	4	EA	1900304P003	IND 0402 33 NH 5%	L19,L21,L59,L61
66	2	EA	1900304P002	IND 0402 18 NH 5%	L20,L60
67	6	EA	1900304P011	IND 0402 16NH 2% 3100 MHZ WW	L27,L29,L31,L67,L69,L70
68	6	EA	1900317P024	IND 0603 5.1 NH 2% 5700 MHZ WW	L33,L34,L35,L73,L74,L75
69	4	EA	1900304P001	IND 0402 3.3 NH +/- .3 NH MLC	L36,L37,L76,L77
70	6	EA	1900326P021	IND 1008 470NH 5% WW 450MHZ	L126,L128,L161,L163,L93,L95
71	2	EA	1900318P013	IND 0603 56NH 5% WW 1900MHZ	L127,L94
72	4	EA	1900304P010	IND 0402 4.3 NH 2% 6000 MHZ WW	L130,L214,L215,L97
73	4	EA	1900317P019	IND 0603 30NH 2% WW 2250 MHZ	L103,L104,L136,L137
74	11	EA	1900307P018	IND 0603 82NH 10% MLC 900MHZ	L111,L144,L168,L170,L173,L175,L177,L181,L184,L195,L199
75	4	EA	1900308P021	IND 0603 4.7UH 10% MLF 33MHZ	L150,L151,L179,L231
76	2	EA	1950300P033	FERRITE BEAD	L152,L162
77	2	EA	1900317P016	IND 0603 220NH 2% WW 900 MHZ	L154,L155
78	1	EA	1900327P029	IND 1008 1.2UH 10% WW 250MHZ	L156
79	1	EA	1900308P013	IND 0603 1.0UH 10% MLF 75MHZ	L158
80	1	EA	1900308P002	IND 0603 120NH 10% MLF 205MHZ	L160
81	4	EA	1908100P027	MIXER, HIGH LINEARITY UPCONVERTING	M1,M2,M3,M4
82	2	EA	1950217P001	CONN PCB RT CPCI J1-J4	P1_1,P4_1
83	2	EA	1901000P015	TRANSISTOR BIAS RESISTOR NPN	Q1,Q4
84	2	EA	1901000P014	TRANSISTOR MOSFET N CHANNEL	Q2,Q3
85	4	EA	1901000P008	TRANSISTOR BJT PNP	Q5,Q6,Q7,Q8
86	2	EA	1900001P056	RES 0402 2000 OHM 1/16W 5%	R1,R66
87	2	EA	1900000P502	RES 0402 392 OHM 1/16W 1%	R2,R67
88	22	EA	1900001P018	RES 0402 51 OHM 1/16W 5%	R121,R125,R3,R498,R499,R500,R501,R502,R503,R504,R505,R506,R507,R508,R509,R510,R511,R56,R60,R68,R73,R8
89	12	EA	1900000P487	RES 0402 11.8 OHM 1/16W 1%	R110,R113,R117,R32,R33,R4,R45,R48,R52,R69,R97,R98
90	28	EA	1900000P493	RES 0402 432 OHM 1/16W 1%	R100,R101,R102,R111,R112,R114,R115,R119,R120,R36,R369,R37,R370,R373,R374,R38,R39,R46,R47,R49,R5,R50,R54,R55,R6,R70,R71,R99
91	3	EA	1900000P501	RES 0402 200 OHM 1/16W 1%	R266,R74,R9
92	32	EA	1900001P125	RES 0402 0 OHM JUMPER 1/16W 5%	R10,R118,R122,R13,R132,R145,R152,R172,R176,R187,R192,R205,R212,R23,R232,R236,R247,R274,R31,R372,R479,R483,R484,R486,R490,R491,R53,R57,R75,R78,R88,R96
93	8	EA	1900000P499	RES 0402 294 OHM 1/16W 1%	R17,R184,R185,R20,R244,R245,R82,R85

Item	BOM Qty	U/M	Component	Description	Ref. Desig.
94	22	EA	1900000P489	RES 0402 18 OHM 1/16W 5%	R126,R127,R134,R135,R138,R139,R140,R141,R178,R18,R186,R194,R195,R198,R199,R200,R201,R238,R246,R61,R62,R83
95	14	EA	1900000P500	RES 0402 30.1 OHM 1/16W 1%	R116,R124,R146,R151,R171,R206,R21,R211,R231,R29,R51,R59,R86,R94
96	4	EA	1900012P509	RES 1210 30.5 OHM 1/4W 1%	R30,R384,R387,R95
97	51	EA	1900000P495	RES 0402 1 KOHM 1/16W 1%	R103,R104,R105,R106,R107,R108,R128,R129,R130,R142,R147,R150,R169,R170,R202,R207,R210,R229,R230,R264,R280,R284,R285,R34,R35,R390,R391,R392,R393,R394,R395,R396,R397,R40,R41,R42,R43,R449,R450,R455,R470,R471,R472,R473,R474,R475,R476,R477,R63,R64,R65
98	31	EA	1900000P496	RES 0402 10 KOHM 1/16W 1%	R109,R168,R228,R252,R253,R261,R262,R279,R336,R337,R338,R341,R342,R343,R344,R345,R346,R347,R348,R351,R352,R353,R371,R375,R376,R44,R446,R447,R452,R453,R456
99	2	EA	1900000P516	RES 0402 43.2 OHM 1/16W 1%	R131,R191
100	2	EA	1900003P510	RES 0603 20.5 OHM 1% 1/16W	R133,R193
101	2	EA	1900000P485	RES 0402 2.74 KOHM 1/16W 1%	R143,R203
102	2	EA	1900003P526	RES 0603 66.5 OHM 1/10W 1%	R144,R204
103	12	EA	1900000P488	RES 0402 16.5 OHM 1/16W 1%	R153,R154,R157,R179,R188,R189,R213,R214,R217,R239,R248,R249
104	6	EA	1900000P486	RES 0402 5.6 OHM 1/16W 5%	R158,R159,R177,R218,R219,R237
105	2	EA	1900001P013	RES 0402 33 OHM 1/16W 5%	R160,R220
106	12	EA	1900000P494	RES 0402 909 OHM 1/16W 1%	R161,R162,R163,R164,R182,R183,R221,R222,R223,R224,R242,R243
107	4	EA	1900001P029	RES 0402 150 OHM 1/16W 5%	R165,R166,R225,R226
108	4	EA	1900000P497	RES 0402 100 KOHM 1/16W 1%	R167,R227,R260,R278
109	3	EA	1900000P515	RES 0402 649 OHM 1/16W 1%	R190,R250,R272
110	1	EA	1900003P527	RES 0603 140 KOHM 1/10W 1%	R258
111	36	EA	1900001P025	RES 0402 100 OHM 1/16W 5%	R263,R273,R281,R286,R287,R304,R305,R306,R307,R308,R309,R310,R311,R312,R313,R314,R315,R316,R317,R318,R319,R320,R321,R322,R323,R324,R325,R326,R327,R328,R329,R330,R331,R434,R435,R442
112	1	EA	1900004P093	RES 0603 68 KOHM 1/16W 5%	R265
113	2	EA	1900000P490	RES 0402 61.9 OHM 1/16W 1%	R268,R269
114	4	EA	1900003P210	RES 0603 1470 OHM 1/16W 1%	R354,R356,R404,R422
115	3	EA	1900003P002	RES 0603 10 OHM 1/16W 1%	R355,R357,R389
116	2	EA	1900003P261	RES 0603 4990 OHM 1/16W 1%	R358,R361
117	2	EA	1900003P518	RES 0603 2150 OHM 1/16W 1%	R359,R362
118	2	EA	1900015P484	RES 2010 0.010 OHM 1/2W 1%	R360,R365
119	5	EA	1900004P051	RES 0603 1200 OHM 1/16W 5%	R363,R364,R366,R367,R368
120	2	EA	1900010P001	RES 1206 10 OHM 1/8W 5%	R377,R378
121	4	EA	1900003P222	RES 0603 1910 OHM 1/16W 1%	R383,R386,R466,R468
122	6	EA	1900003P138	RES 0603 261 OHM 1/16W 1%	R385,R388,R406,R424,R467,R469
123	8	EA	1900001P049	RES 0402 1000 OHM 1/16W 5%	R398,R399,R400,R401,R416,R417,R418,R419
124	4	EA	1900012P508	RES 1210 12.4 OHM 1/4W 1%	R405,R407,R423,R425
125	4	EA	1900003P209	RES 0603 1430 OHM 1/16W 1%	R410,R412,R428,R430
126	4	EA	1900003P185	RES 0603 806 OHM 1/16W 1%	R411,R413,R429,R431
127	1	EA	1900003P290	RES 0603 10 KOHM 1/16W 1%	R437
128	1	EA	1900003P528	RES 0603 24.9 KOHM 1/10W 1%	R438
129	7	EA	1900003P259	RES 0603 4750 OHM 1/16W 1%	R443,R444,R445,R451,R454,R457,R459
130	1	EA	1900004P037	RES 0603 330 OHM 1/16W 5%	R458

Item	BOM Qty	U/M	Component	Description	Ref. Desig.
131	4	EA	1900007P152	RES 0805 10 MOHM 1/10W 5%	R462,R463,R464,R465
132	4	EA	1900003P001	RES 0603 0 OHM JUMPER	R478,R482,R485,R489
133	2	EA	1900001P065	RES 0402 4700 OHM 1/16W 5%	R492,R493
134	4	EA	1900000P517	RES 0402 196 OHM 1/16W 1%	R494,R495,R496,R497
135	2	EA	1903801P008	SWITCH SMD SPDT HIGH POWER MOSFET	SW1,SW4
136	4	EA	1903800P002	SWITCH, CMOS MUX/SPDT	SW2,SW3,SW5,SW6
137	2	EA	1908500P002	TRANSFORMER RF 1:1 SMD	T1,T7
138	2	EA	1908500P009	TRANSFORMER RF 4:1 2-1000 MHZ	T3,T9
139	2	EA	1908500P008	TRANSFORMER RF 1:2	T10,T4
140	2	EA	1908500P011	TRANSFORMER RF 1:4 500-2500 MHZ	T11,T5
141	2	EA	1908500P010	TRANSFORMER RF 1:1 4.5-3000 MHZ	T12,T6
142	2	EA	1902800P010	D/A CONVERTER 14 BIT 160 MSPS	U1,U16
143	21	EA	1903000P005	VOLTAGE REGULATOR 3.3V LDO 0.1A	U108,U109,U110,U111,U13,U17,U18,U2,U20,U28,U3,U35,U36,U38,U39,U46,U47,U49,U5,U50,U63
144	2	EA	1908000P015	AMP RF SIGE DC-1800 MHZ SMD	U26,U7
145	10	EA	1903000P024	VOLTAGE REG 150MA LOW NOISE LDO	U105,U106,U12,U23,U27,U8,U91,U92,U95,U97
146	2	EA	1903000P027	VOLTAGE REGULATOR 3.0V LDO 0.1A	U24,U9
147	2	EA	1908000P032	AMP RF SIGE DC-3000MHZ 5V SMD SOT89	U11,U22
148	2	EA	1902800P017	A/D CONVERTER 8-BIT MICRO SOIC/SOIC	U14,U29
149	2	EA	1902407P002	RF DET/CONT 45DB 100-2500 MHZ	U15,U30
150	2	EA	1902406P007	FREQ SYNTH FRACT/INTG-N 3.0 GHZ	U31,U42
151	2	EA	1908000P026	AMP RF SIGE DC-2000MHZ GAIN BLK SMD	U32,U43
152	4	EA	1902006P097	TRANS, 3V LVTTTL-LVPECL/LVPECL-LVTTTL	U101,U33,U44,U62
153	2	EA	1908000P034	AMP SIGE HBT MMIC DC-5 GHZ	U34,U45
154	8	EA	1903000P006	VOLTAGE REGULATOR 5V LDO 0.1A	U112,U37,U40,U41,U48,U51,U52,U90
155	2	EA	1902006P093	LVDS 1:4 FANOUT BUFFER/TRANSLATOR	U53,U59
156	2	EA	1902406P008	PLL FREQUENCY SYNTHESIZER	U54,U58
157	2	EA	1902006P096	TRANS, 4:1 LVTTTL/CMOS-LVPECL 6MLF	U55,U60
158	1	EA	1902402P004	COMPARATOR FAST TTL OUT W/ENABLE	U56
159	2	EA	1903000P025	VOLTAGE REGULATOR LDO 3.3V @ 300 MA	U64,U65
160	2	EA	1902006P042	16 BIT LVDS SERIALIZER/ DESERIALIZE	U67,U68
161	3	EA	1902801P001	I2C 16 BIT I/O EXPANDER	U75,U78,U79
162	1	EA	1902401P005	QUAD SPST ANLG SWITCH -40C/85C NC	U76
163	2	EA	1902006P044	I2C 8-BIT EXPANDER SOIC 16	U77,U81
164	1	EA	1902006P068	IC 4 CHAN I2C MULTIPLEXER	U82
165	1	EA	1902006P092	IC HOT SWAP I2C BUFFER	U83
166	1	EA	1902200P004	EEPROM 2 WIRE SERIAL	U84
167	2	EA	1903000P022	VOLT REG ADJ ULTRA LOW NOISE 150MA	U85,U86
168	1	EA	1902006P091	HOT SWAP PCI PWR CONTROLLER	U87
169	2	EA	1902405P008	IC TINY LOGIC HS 2 INPUT NAND GATE	U88,U89
170	1	EA	1902802P002	TRANSCEIVER SINGLE LVDS 3.3/5V	U99
171	1	EA	1902201P005	FPGA XCS40XL	U100
172	1	EA	1902804P001	DATA SELECTOR 2:1 QUAD	U102
173	1	EA	1902200P003	EEPROM CONFIGURATION FPGA	U103
174	1	EA	1902400P002	SUPPLY VOLTAGE SUPERVISORY CKT	U104

1001783G001: RAN UP CONV 3 CCA

Revision: A1
Date: 08/31/05

Item	BOM Qty	U/M	Component	Description
175	1	EA	1001813P001	RAN UP CONVERTER 3 FRONT PANEL
176	1	EA	1001617P001	RAN UP CONVERTER TOP COVER
177	18	EA	1930022P108	SCREW MCH 6-32X3/16 PHL PAN SS
500	1	EA	1001784P001	PWB, RAN UP CONVERTER 3
501	1	EA	1001783-ASSY	CCA RAN UP CONVERTER 3 DRAWING
502	1	EA	1001785-SCH	SCHEMATIC, RAN UP CONVERTER 3

Ref. Desig.

Revision: J
Effectivity Date: 02/16/05

Production Bill of Material with Reference Designators

Parent:	1000848G001	Description:	SONET INTERFACE ASSEMBLY			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
1	1	EA	1902006P076	IC SINGLE 2 I/P AND GATE	-	Q1
		Vendor 1:	TEXAS INSTR	SN74LVC1G08DBVR	Vendor 3:	
		Vendor 2:			Vendor 4:	
2	2	EA	1902405P007	SINGLE SCHMITT TRIGGER INVERTER	-	Q2, Q4
		Vendor 1:	TEXAS INSTRUMENTS	SN74LVC1G14DBVR	Vendor 3:	
		Vendor 2:			Vendor 4:	
3	1	EA	1902006P077	IC 2 INPUT OR GATE	-	Q6
		Vendor 1:	TEXAS INSTRUMENTS	SN74LVC1G32DBVR	Vendor 3:	
		Vendor 2:			Vendor 4:	
4	3	EA	1902001P005	BUFFER 16 BIT	-	U3, U7, U11
		Vendor 1:	ON SEMICONDUCTOR	MC74VCX16240DT	Vendor 3:	
		Vendor 2:			Vendor 4:	
5	1	EA	1901000P010	TRANSISTOR NPN SMT GEN PURP SOT23-		Q5
		Vendor 1:	ON SEMICONDUCTOR	MMBT3904LT1	Vendor 3:	
		Vendor 2:			Vendor 4:	
6	12	EA	1900032P023	CAP 0402 0.01UF 10% 16V X7R	-	C259, C345, C346, C351, C352, C359, C389, C393, C396, C403, C405, C407
		Vendor 1:	Panasonic	ECUE1C103KBQ	Vendor 3:	Kemet C0402C103K4RAC
		Vendor 2:	AVX	0402YC103KAT2A	Vendor 4:	Murata GRM36X7R103K016AD

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
7	304	EA	1900044P034	CAP 0603 0.10UF 10% 16V X7R	-	C1, C4, C9, C23 - C28, C30 - C37, C39 - C46, C49, C55, C58, C61, C66, C69, C70, C75, C78, C82, C83, C88 - C90, C93 - C95, C97 - C109, C112 - C129, C131, C132, C134 - C151, C153 - C202, C207 - C223, C225 - C248, C250 - C256, C258, C260, C261, C263 - C265, C267 - C289, C291 - C298, C303 - C311, C313, C314, C317, C318, C321 - C331, C333, C336 - C339, C341 - C344, C347, C350, C353 - C356, C360 - C371, C373 - C377, C379, C381, C382, C384 - C387, C390 - C392, C394, C395, C397 - C402, C406, C408
			Vendor 1: Panasonic ECJ1VB1C104K		Vendor 3: Kemet C0603C104K4RAC	
			Vendor 2: AVX 0603YC104KAT2A		Vendor 4: Murata GRM39X7R104K016AD	
8	1	EA	1900220P001	CAP ELEC RAD 470UF 20% 16V	-	C20
			Vendor 1: PANASONIC EEUFC1E471		Vendor 3:	
			Vendor 2:		Vendor 4:	
10	4	EA	1900041P006	CAP 0402 18PF 5% 50V NPO	-	C52, C54, C348, C349
			Vendor 1: Panasonic ECUE1H180JCQ		Vendor 3: Kemet C0402C180J5GAC	
			Vendor 2: AVX 04025A180JAT2A		Vendor 4: Murata GRM36COG180J050AD	
11	3	EA	1900222P001	CAP 1206 10UF 10% 6.3V	-	C300, C335, C340
			Vendor 1: PANASONIC ECJ3YB0J106K		Vendor 3:	
			Vendor 2:		Vendor 4:	
12	2	EA	1900041P007	CAP 0402 20PF 5% 50V NPO	-	C76, C77
			Vendor 1: Panasonic ECUE1H200JCQ		Vendor 3: Kemet C0402C200J5GAC	

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2:			Vendor 4: Murata GRM36COG200J050AD
14	3	EA	1900220P002	CAP ELEC SMT 10UF 20% 6.3V	-	C47, C319, C320
			Vendor 1: PANASONIC	EEFCD0J100R		Vendor 3:
			Vendor 2:			Vendor 4:
15	9	EA	1900220P003	CAP ELEC SMT 4.7UF 20% 12.5V	-	C56, C57, C71, C266, C290, C299, C302, C372, C388
			Vendor 1: PANASONIC	EEFCD1B4R7R		Vendor 3:
			Vendor 2:			Vendor 4:
16	12	EA	1900220P005	CAP ELEC SMT 1UF 20% 50V	-	C62 - C65, C67, C68, C72 - C74, C79 - C81
			Vendor 1: PANASONIC	EEVHA1H1ROR		Vendor 3:
			Vendor 2:			Vendor 4:
17	30	EA	1900220P004	CAP ELEC SMT 22UF 20% 12.5V	-	C5 - C7, C12, C14, C16, C17, C21, C22, C92, C96, C130, C133, C152, C203 - C206, C224, C249, C257, C262, C312, C315, C316, C332, C334, C378, C383, C404
			Vendor 1: PANASONIC	EEFCD1B220R		Vendor 3:
			Vendor 2:			Vendor 4:
18	8	EA	1900220P006	CAP ELEC SMT 220UF 20% 16V	-	C10, C11, C15, C18, C19, C29, C53, C60
			Vendor 1: PANASONIC	EEVFC1C221P		Vendor 3:
			Vendor 2:			Vendor 4:
19	12	EA	1900327P028	IND 1008 1.0UH 10% WW 290MHZ	-	L1 - L8, L11 - L14

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: Coilcraft	1008CS-102XKBC		Vendor 3: JW Miller PM1008-1R0K
			Vendor 2: KOA	KQ1008TE1R0K		Vendor 4:
22	2	EA	1950217P001	CONN PCB RT CPCI J1-J4	-	J1, J4
			Vendor 1: TYCO ELECTRONICS	352068-1		Vendor 3:
			Vendor 2:			Vendor 4:
24	1	EA	1904400P013	OSCILLATOR 40 MHZ CRYSTAL 18 PF	-	Y4
			Vendor 1: CITIZEN AMERICA	CSX-750PCC40.0000MT		Vendor 3:
			Vendor 2: CHAMPION	CMO5ECC-40.00		Vendor 4:
25	1	EA	1902800P014	DC/DC CONVERTER 1.8V	-	U17
			Vendor 1: DATEL	UNR-1.8/10-D3SM		Vendor 3:
			Vendor 2:			Vendor 4:
26	4	EA	1902006P042	16 BIT LVDS SERIALIZER/ DESERIALIZE	-	U5, U8, U12, U13
			Vendor 1: NATIONAL SEMICOND	DS92LV16TVHG		Vendor 3:
			Vendor 2:			Vendor 4:
27	1	EA	1904400P003	CRYSTAL SMD 20MHZ	-	Y3
			Vendor 1: ECS	ECS-200-20-5PDN		Vendor 3:
			Vendor 2: ECLIPTEK CORP	EC1SM-20.000M		Vendor 4:
28	2	EA	1902006P075	IC PLL	-	U28, U29
			Vendor 1: ICSI	ICS673M-01		Vendor 3:
			Vendor 2:			Vendor 4:

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
29	1	EA	1901000P014	TRANSISTOR MOSFET N CHANNEL	-	U33
			Vendor 1:	INTERNATIONAL RECTIFIER IRF7413		Vendor 3:
			Vendor 2:			Vendor 4:
30	1	EA	1901000P006	FET MOS HEXFET POWER	-	Q3
			Vendor 1:	International Rectifier IRL3803STRL		Vendor 3:
			Vendor 2:			Vendor 4:
31	1	EA	1902203P005	DRAM LAN 4MBIT 35NS	-	U21
			Vendor 1:	ISSI IS41C16256-35KI		Vendor 3:
			Vendor 2:			Vendor 4:
31	0	EA	1902203P004	DRAM LAN 4MBIT 50NS	-	U21-ALT
			Vendor 1:	ISSI S41C16256-50KI		Vendor 3:
			Vendor 2:			Vendor 4:
33	7	EA	1901100P004	LED GREEN SMD LED GREEN SMD	-	D22 - D28
			Vendor 1:	DIALIGHT 597-3311-407		Vendor 3:
			Vendor 2:			Vendor 4:
34	1	EA	1901100P013	LED 3MM GREEN	-	D20
			Vendor 1:	LEDTRONICS PCL120TG5N-LC		Vendor 3:
			Vendor 2:			Vendor 4:
35	1	EA	1901100P014	LED 3MM PCB RED	-	D18

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: LEDTRONICS	PCL120TR5N-LC	Vendor 3:	
			Vendor 2:		Vendor 4:	
36	1	EA	1901100P012	LED 3MM PCB BLUE	-	D21
			Vendor 1: LEDTRONICS	PCL120TUB500	Vendor 3:	
			Vendor 2:		Vendor 4:	
37	1	EA	1902006P053	HOT SWAP PCI CONTROLLER LTC1643L	-	U34
			Vendor 1: LINEAR	LTC1643ALCGN	Vendor 3:	
			Vendor 2:		Vendor 4:	
39	1	EA	1902802P014	10 BASE T INTERFACE	-	U24
			Vendor 1: FUJITSU	MB86961APF-G	Vendor 3:	
			Vendor 2:		Vendor 4:	
40	1	EA	1902006P072	IC LAN TO WAN BRIDGE	-	U25
			Vendor 1: FUJITSU	MB86976APFV-G	Vendor 3:	
			Vendor 2:		Vendor 4:	
41	1	EA	1902006P073	DIFFERENTIAL FANOUT BUFFER	-	U31
			Vendor 1: ON SEMICONDUCTOR	MC100LVEL11DT	Vendor 3:	
			Vendor 2:		Vendor 4:	
44	1	EA	1902802P013	TRANSCEIVER OPTICAL	-	U16
			Vendor 1: FINISAR	FTRJ-1321-P1BTL	Vendor 3:	
			Vendor 2: FINISAR	FTRJ-1321-7D	Vendor 4:	

Parent:	1000848G001	Description:	SONET INTERFACE ASSEMBLY			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
45	2	EA	1902203P003	SSRAM EQUALIZATION	-	U2, U6
		Vendor 1:	MICRON	MT55L64L36F1T	Vendor 3:	
		Vendor 2:			Vendor 4:	
46	1	EA	1001622G001	SONET INTERFACE MOD 93LC66 EEPROMA		U27
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	
47	10	EA	1901100P015	LED 3MM PCB TRICOLOR	-	D1 - D10
		Vendor 1:	LEDTRONICS	PCD130TWRG4B-3A	Vendor 3:	
		Vendor 2:			Vendor 4:	
48	1	EA	1902006P069	IC PCI 1/0 ACCELERATOR 3.3V PQFP	-	U23
		Vendor 1:	PLX TECHNOLOGY	PCI9030-AA60PI	Vendor 3:	
		Vendor 2:			Vendor 4:	
49	1	EA	1902408P001	TRANSFORMER ISOLATION 10BASE-T	-	U20
		Vendor 1:	PULSE	23Z467SM	Vendor 3:	
		Vendor 2:			Vendor 4:	
50	1	EA	1902006P071	IC OC-48 FRAMER	-	U15
		Vendor 1:	PMC SIERRA	PM5315_BI	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
51	13	EA	1900017P004	RES NETWORK 10 OHM 5% 4R ISO	-	R61 - R64, R67, R72, R75, R79, R84, R334, R348, R357, R380
			Vendor 1: CTS 742C083100J		Vendor 3:	
			Vendor 2:		Vendor 4:	
52	25	EA	1900017P005	RES NETWORK 10 KOHM 5% 4R ISOL	-	R65, R68, R73, R76, R80, R336 - R341, R345, R356, R360, R362, R365, R373, R384, R390 - R392, R394, R402, R403, R413
			Vendor 1: CTS 742C083103J		Vendor 3:	
			Vendor 2:		Vendor 4:	
53	5	EA	1900017P010	RES 8 X 120 OHM	-	R133, R165, R180, R181, R186
			Vendor 1: PANASONIC EXB2HV121JV		Vendor 3:	
			Vendor 2:		Vendor 4:	
54	17	EA	1900001P021	RES 0402 68 OHM 1/16W 5%	-	R27 - R43
			Vendor 1: AVX CR05-680J-T		Vendor 3: DALE CRCW0402680JRT1	
			Vendor 2: PANASONIC ERJ2GEJ680X		Vendor 4: KOA RM73B1ET680J	
55	3	EA	1900001P058	RES 0402 2400 OHM 1/16W 5%	-	R202, R284, R306
			Vendor 1: AVX CR05-242J-T		Vendor 3: DALE CRCW0402242JRT1	
			Vendor 2: PANASONIC ERJ2GEJ242X		Vendor 4: KOA RM73B1ET242J	
56	20	EA	1900001P126	RES 0402 2.2 OHM 1/16W 5%	-	R18, R19, R198, R199, R204 - R206, R209, R212, R215, R217, R228 - R230, R234 - R237, R331, R355
			Vendor 1: PANASONIC ERJ-2GEJ2R2X		Vendor 3:	
			Vendor 2:		Vendor 4:	

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
57	34	EA	1900001P018	RES 0402 51 OHM 1/16W 5%	-	R244 - R277
			Vendor 1: AVX	CR05-510J-T		Vendor 3: DALE CRCW0402510JRT1
			Vendor 2: PANASONIC	ERJ2GEJ510X		Vendor 4: KOA RM73B1ET510J
58	45	EA	1900001P025	RES 0402 100 OHM 1/16W 5%	-	R15, R20 - R26, R70, R71, R107, R109, R111, R116, R121, R130, R131, R151, R159, R160, R162 - R164, R182, R189, R203, R207, R208, R210, R211, R213, R214, R216, R218 - R222, R289, R291, R346, R347, R366, R378, R385
			Vendor 1: AVX	CR05-101J-T		Vendor 3: DALE CRCW0402101JRT1
			Vendor 2: PANASONIC	ERJ2GEJ101X		Vendor 4: KOA RM73B1ET101J
60	6	EA	1900001P031	RES 0402 180 OHM 1/16W 5%	-	R4, R5, R117, R118, R161, R167
			Vendor 1: AVX	CR05-181J-T		Vendor 3: DALE CRCW0402181JRT1
			Vendor 2: PANASONIC	ERJ2GEJ181X		Vendor 4: KOA RM73B1ET181J
61	21	EA	1900001P049	RES 0402 1000 OHM 1/16W 5%	-	R1, R86, R94, R100, R103, R104, R119, R141, R142, R152, R194, R238, R379, R381, R383, R387, R401, R408, R411, R414, R415
			Vendor 1: AVX	CR05-102J-T		Vendor 3: DALE CRCW0402102JRT1
			Vendor 2: PANASONIC	ERJ2GEJ102X		Vendor 4: KOA RM73B1ET102J
63	3	EA	1900001P029	RES 0402 150 OHM 1/16W 5%	-	R201, R227, R233
			Vendor 1: AVX	CR05-151J-T		Vendor 3: DALE CRCW0402151JRT1
			Vendor 2: PANASONIC	ERJ2GEJ151X		Vendor 4: KOA RM73B1ET151J

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
65	21	EA	1900001P065	RES 0402 4700 OHM 1/16W 5%	-	R106, R108, R110, R115, R168, R174, R177, R192, R193, R195, R196, R239 - R243, R323, R404 - R406, R418
			Vendor 1: AVX CR05-472J-T		Vendor 3: DALE CRCW0402472JRT1	
			Vendor 2: PANASONIC ERJ2GEJ472X		Vendor 4: KOA RM73B1ET472J	
66	1	EA	1900001P023	RES 0402 82 OHM 1/16W 5%	-	R396
			Vendor 1: AVX CR05-820J-T		Vendor 3: DALE CRCW0402820JRT1	
			Vendor 2: PANASONIC ERJ2GEJ820X		Vendor 4: KOA RM73B1ET820J	
68	3	EA	1900001P056	RES 0402 2000 OHM 1/16W 5%	-	R303, R304, R317
			Vendor 1: AVX CR05-202J-T		Vendor 3: DALE CRCW0402202JRT1	
			Vendor 2: PANASONIC ERJ2GEJ202X		Vendor 4: KOA RM73B1ET202J	
71	1	EA	1900001P047	RES 0402 820 OHM 1/16W 5%	-	R283
			Vendor 1: AVX CR05-821J-T		Vendor 3: DALE CRCW0402821JRT1	
			Vendor 2: PANASONIC ERJ2GEJ821X		Vendor 4: KOA RM73B1ET821J	
72	9	EA	1900001P008	RES 0402 20 OHM 1/16W 5%	-	R12 - R14, R145, R148 - R150, R183, R358
			Vendor 1: AVX CR05-200J-T		Vendor 3: DALE CRCW0402200JRT1	
			Vendor 2: PANASONIC ERJ2GEJ200X		Vendor 4: KOA RM73B1ET200J	
73	1	EA	1900000P162	RES 0402 464 OHM 1/16W 1%	-	R301
			Vendor 1: AVX CR05-4640F-T		Vendor 3: DALE CRCW04024640FRT1	
			Vendor 2: PANASONIC ERJ2RKF4640X		Vendor 4: KOA RK73H1ET4640F	
74	2	EA	1900001P097	RES 0402 100 KOHM 1/16W 5%	-	R305, R307

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
				Vendor 1: AVX CR05-104J-T Vendor 2: PANASONIC ERJ2GEJ104X		Vendor 3: DALE CRCW0402104JRT1 Vendor 4: KOA RM73B1ET104J
75	42	EA	1900001P125	RES 0402 0 OHM JUMPER 1/16W 5%	-	R66, R69, R81, R83, R90 - R93, R102, R135, R140, R157, R169, R171, R172, R175, R178, R184, R185, R191, R302, R314, R316, R319, R320, R332, R333, R344, R359, R361, R364, R368, R369, R374, R376, R382, R388, R389, R393, R395, R409, R410
				Vendor 1: PANASONIC ERJ2GE0R00X Vendor 2:		Vendor 3: Vendor 4:
76	4	EA	1900001P001	RES 0402 10 OHM 1/16W 5%	-	R120, R335, R399, R400
				Vendor 1: AVX CR05-100J-T Vendor 2: PANASONIC ERJ2GEJ100X		Vendor 3: DALE CRCW0402100JRT1 Vendor 4: KOA RM73B1ET100J
77	6	EA	1900001P073	RES 0402 10 KOHM 1/16W 5%	-	R95, R96, R363, R372, R377, R386
				Vendor 1: AVX CR05-103J-T Vendor 2: PANASONIC ERJ2GEJ103X		Vendor 3: DALE CRCW0402103JRT1 Vendor 4: KOA RM73B1ET103J
78	29	EA	1900001P009	RES 0402 22 OHM 1/16W 5%	-	R11, R16, R17, R88, R89, R125 - R128, R132, R134, R139, R146, R153 - R156, R158, R170, R173, R179, R187, R188, R190, R197, R200, R349, R350, R367
				Vendor 1: AVX CR05-220J-T Vendor 2: PANASONIC ERJ2GEJ220X		Vendor 3: DALE CRCW0402220JRT1 Vendor 4: KOA RM73B1ET220J
79	39	EA	1900001P035	RES 0402 270 OHM 1/16W 5%	-	R44 - R59, R122, R223 - R226, R231, R232, R280 - R282, R292 - R298, R308 - R313
				Vendor 1: AVX CR05-271J-T		Vendor 3: DALE CRCW0402271JRT1

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2: PANASONIC	ERJ2GEJ271X		Vendor 4: KOA RM73B1ET271J
80	9	EA	1900001P037	RES 0402 330 OHM 1/16W 5%	-	R299, R322, R324 - R330
			Vendor 1: AVX	CR05-331J-T		Vendor 3: DALE CRCW0402331JRT1
			Vendor 2: PANASONIC	ERJ2GEJ331X		Vendor 4: KOA RM73B1ET331J
81	6	EA	1900001P042	RES 0402 510 OHM 1/16W 5%	-	R74, R77, R78, R82, R85, R370
			Vendor 1: AVX	CR05-511J-T		Vendor 3: DALE CRCW0402511JRT1
			Vendor 2: PANASONIC	ERJ2GEJ511X		Vendor 4: KOA RM73B1ET511J
82	2	EA	1900001P045	RES 0402 680 OHM 1/16W 5%	-	R8, R9
			Vendor 1: AVX	CR05-681J-T		Vendor 3: DALE CRCW0402681JRT1
			Vendor 2: PANASONIC	ERJ2GEJ681X		Vendor 4: KOA RM73B1ET681J
83	1	EA	1900003P299	RES 0603 12.4 KOHM 1/16W 1%	-	R371
			Vendor 1: AVX	CR10-1242F-T		Vendor 3: DALE CRCW06031242FRT1
			Vendor 2: PANASONIC	ERJ3EKF1242V		Vendor 4: KOA RK73H1JT1242F
84	2	EA	1900003P057	RES 0603 37.4 OHM 1/16W 1%	-	R352, R353
			Vendor 1: AVX	CR10-37R4F-T		Vendor 3: DALE CRCW060337R4FRT1
			Vendor 2: PANASONIC	ERJ3EKF37R4V		Vendor 4: KOA RK73H1JT37R4F
85	4	EA	1900003P086	RES 0603 75 OHM 1/16W 1%	-	R342, R343, R351, R354
			Vendor 1: AVX	CR10-75R0F-T		Vendor 3: DALE CRCW060375R0FRT1
			Vendor 2: PANASONIC	ERJ3EKF75R0V		Vendor 4: KOA RK73H1JT75R0F

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
86	3	EA	1900007P051	RES 0805 1200 OHM 1/10W 5%	-	R300, R419, R420
			Vendor 1: AVX	CR21-122J-T		Vendor 3: DALE CRCW0805122JRT1
			Vendor 2: PANASONIC	ERJ6GEYJ122V		Vendor 4: KOA RM73B2AT122J
87	2	EA	1900007P001	RES 0805 10 OHM 1/10W 5%	-	R287, R290
			Vendor 1: AVX	CR21-100J-T		Vendor 3: DALE CRCW0805100JRT1
			Vendor 2: PANASONIC	ERJ6GEYJ100V		Vendor 4: KOA RM73B2AT100J
88	3	EA	1900007P073	RES 0805 10 KOHM 1/10W 5%	-	R397, R398, R421
			Vendor 1: AVX	CR21-103J-T		Vendor 3: DALE CRCW0805103JRT1
			Vendor 2: PANASONIC	ERJ6GEYJ103V		Vendor 4: KOA RM73B2AT103J
90	1	EA	1900009P486	RES 1206 0.053 OHMS 1/8W 1%	-	R318
			Vendor 1: VISHAY	WSL1206-0.053-1.0%-B43		Vendor 3:
			Vendor 2:			Vendor 4:
92	1	EA	1900010P124	RES 1206 2.2OHM 1/8W 5%	-	R321
			Vendor 1: PANASONIC	ERJ8GEYJ2R2V		Vendor 3:
			Vendor 2:			Vendor 4:
93	4	EA	1900013P152	RES 1210 10 MOHM 1/4W 5%	-	R99, R105, R416, R417
			Vendor 1: PANASONIC	ERJ14YJ106U		Vendor 3:
			Vendor 2:			Vendor 4:
94	1	EA	1900017P009	RES 2512 0.006 OHM 1%	-	R60
			Vendor 1: VISHAY	WSL2512-0.006-1.0%-B43		Vendor 3:

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2:			Vendor 4:
95	1	EA	1950351P009	JACK MOD RJ-45 PCB SHLD LITE PIPE	-	J17
			Vendor 1: AMPHENOL CANADA	RJHS5381		Vendor 3:
			Vendor 2: AMP	406549-1		Vendor 4:
96	1	EA	1902802P020	TRANSCEIVER OC-48 16 BIT WITH CDR	-	U18
			Vendor 1: AMCC	S3055PB20		Vendor 3:
			Vendor 2:			Vendor 4:
97	3	EA	1902801P005	8 BIT SHIFT REGISTER	-	U9, U10, U14
			Vendor 1: TEXAS INSTR	SN74AHC594PW		Vendor 3:
			Vendor 2:			Vendor 4:
98	3	EA	1902802P011	TRANSCEIVER OCTAL BUS	-	U22, U35, U36
			Vendor 1: TEXAS INSTR	SN74LVC4245APW		Vendor 3:
			Vendor 2:			Vendor 4:
99	1	EA	1950211P001	CONN HEADER STRAIGHT 3 POS SMT	-	U26
			Vendor 1: MOLEX	53398-0390		Vendor 3:
			Vendor 2:			Vendor 4:
100	1	EA	1900212P006	UNIDIRECTIONAL TRANSIENT SUPPRESS-		D19
			Vendor 1: LITEON	SMA12A		Vendor 3:
			Vendor 2: ON SEMICONDUCTOR	1SMA12AT3		Vendor 4:

Parent:	1000848G001	Description:	SONET INTERFACE ASSEMBLY			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
101	1	EA	1904100P005	VCXO 155.52 MHZ CRYSTAL CONT	-	Y1
				Vendor 1: CONNER-WINFIELD VPML61121/155.52MHZ		Vendor 3:
				Vendor 2: CHAMPION F17355BDM-155.52		Vendor 4:
102	1	EA	1904100P006	VCXO 42.912MHZ CRYSTAL CONT	-	Y2
				Vendor 1: CONNER-WINFIELD VSA61015-042.912M		Vendor 3:
				Vendor 2: CHAMPION K1526CLCMC-42.912		Vendor 4:
103	1	EA	1902201P007	FPGA XCV1000E	-	U4
				Vendor 1: XILINX XCV1000E-6FG680C (WAFER 0773)		Vendor 3:
				Vendor 2:		Vendor 4:
105	1	EA	1901020P015	DIODE RECTIFIER 500MW	-	D11
				Vendor 1: MICROSEMI DL4148		Vendor 3:
				Vendor 2: MICRO COMMERCIAL CORP DL4148		Vendor 4:
106	2	EA	1901022P004	DIODE ZENER SMD 4.3V 5% 1.0W	-	D15, D16
				Vendor 1: GEN SEMI SML4731		Vendor 3:
				Vendor 2:		Vendor 4:
106	0	EA	1901022P026	DIODE ZENER SMA 4.3V 5% 1.5W	-	106-ALT
				Vendor 1: ON SEMICONDUCTOR 1SMA5916BT3		Vendor 3:
				Vendor 2:		Vendor 4:
107	2	EA	1901022P008	DIODE ZENER SMD 6.2V 5% 1.0W	-	D14, D17
				Vendor 1: GEN SEMI SML4735		Vendor 3:

Parent:	1000848G001	Description:	SONET INTERFACE ASSEMBLY			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
		Vendor 2:			Vendor 4:	
107	0	EA	1901022P027	DIODE ZENER SMA 6.2V 5% 1.5W	-	107-ALT
		Vendor 1:	ON SEMICONDUCTOR	1SMA5920BT3	Vendor 3:	
		Vendor 2:			Vendor 4:	
108	2	EA	1901021P036	DIODE ZENER SMD 2.0V 5% 0.2W	-	D12, D13
		Vendor 1:	GEN SEMI	GDZ2.0B	Vendor 3:	
		Vendor 2:			Vendor 4:	
111	1	EA	1000852P001	SONET INTERFACE FRONT PANEL	C	
		Vendor 1:	PENTAIR	23892-090	Vendor 3:	
		Vendor 2:			Vendor 4:	
112	1	EA	1902802P016	TRANSCEIVER SFP TOP EMI CAGE	-	
		Vendor 1:	AMP	1367035-1	Vendor 3:	FUJIKURA SPT-R020-CT
		Vendor 2:	STRATOS	587-001	Vendor 4:	
113	1	EA	1902802P017	TRANSCEIVER SFP BOTTOM EMI CAGE	-	
		Vendor 1:	AMP	1367034-1	Vendor 3:	FUJIKURA SPT-R020-CL
		Vendor 2:	STRATOS	587-002	Vendor 4:	
114	1	EA	1902802P018	TRANSCEIVER SFP HOST CONNECTOR	-	
		Vendor 1:	AMP	1367073-1	Vendor 3:	FUJIKURA SPT-RS020B-12
		Vendor 2:	STRATOS	210-010	Vendor 4:	

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
115	1	EA	1902802P019	TRANSCEIVER SFP DUST COVER	-	
			Vendor 1: AMP 1367147-1		Vendor 3:	
			Vendor 2: STRATOS 216-042		Vendor 4:	
116	1	EA	1940105P002	HEAT SINK WITH ADHESIVE	-	
			Vendor 1: IERC BDN16-3CB/A01		Vendor 3:	
			Vendor 2:		Vendor 4:	
119	4	EA	1900041P017	CAP 0402 51PF 5% 50V NPO	-	C357, C358, C380, U19
			Vendor 1: Panasonic ECUE1H510JCQ		Vendor 3: Kemet C0402C510J5GAC	
			Vendor 2:		Vendor 4: Murata GRM36COG510J050AD	
120	1	EA	1900075P016	CAP 1206 220PF 10% 50V NPO	-	C84
			Vendor 1:		Vendor 3: Kemet C1206C221K5GAC	
			Vendor 2: AVX 12065A221KAT2A		Vendor 4:	
121	1	EA	1900043P035	CAP 0603 2200PF 5% 16V PPS FILM	-	C86
			Vendor 1: PANASONIC ECU1C222JX5		Vendor 3:	
			Vendor 2:		Vendor 4:	
122	2	EA	1900004P151	RES 0603 4.7M 5% 1/16W	-	R101, R113
			Vendor 1: PANASONIC ERJ3GEYJ475V		Vendor 3: KOA RK73B1JLTP475J	
			Vendor 2: DALE CRCW0603475JRT1		Vendor 4:	
123	1	EA	1900054P042	CAP 0805 5600PF 5% 16V PPS FILM	-	C91
			Vendor 1: PANASONIC ECHU1C562JX5		Vendor 3:	

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
		Vendor 2:			Vendor 4:	
124	1	EA Vendor 1: Vendor 2:	1900075P021 AVX 12065A561KAT2A	CAP 1206 560PF 10% 50V NPO	-	C85 Vendor 3: Kemet C1206C561K5GAC Vendor 4:
125	1	EA Vendor 1: Vendor 2:	1001581P001	GASKET, SIF PANEL	A	Vendor 3: Vendor 4:
126	2	EA Vendor 1: Vendor 2:	1900004P024 AVX CR10-910J-T PANASONIC ERJ3GSYJ910V	RES 0603 91 OHM 1/16W 5%	-	R285, R286 Vendor 3: DALE CRCW0603910JRT1 Vendor 4: KOA RM73B1JT910J
500	1	EA Vendor 1: Vendor 2:	1000849P001	SONET INTERFACE PWB	B1	Vendor 3: Vendor 4:
501	0	EA Vendor 1: Vendor 2:	1000848-ASSY	SONET INTERFACE MODULE ASSY DRAW H		Vendor 3: Vendor 4:
502	0	EA Vendor 1: Vendor 2:	1000850	SCHEMATIC, SONET INTERFACE	G	Vendor 3: Vendor 4:

Parent: 1000848G001 Description: SONET INTERFACE ASSEMBLY

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
-------	------	----	------------------	-------------	------	----------------------

*** END OF REPORT ***

Revision: D
Effectivity Date: 8/31/04

Production Bill of Material with Reference Designators

Parent:	1001386G001	Description:	CCA SYSTEM INTF MOD 2ND GEN, RAN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
1	2	EA	1950217P001	CONN PCB RT CPCI J1-J4	-	J1, J4
			Vendor 1:	TYCO ELECTRONICS 352068-1	Vendor 3:	
			Vendor 2:		Vendor 4:	
2	1	EA	1950217P003	CONN PCB RT CPCI J3	-	J3
			Vendor 1:	TYCO ELECTRONICS 352171-1	Vendor 3:	
			Vendor 2:		Vendor 4:	
3	1	EA	1902006P055	IC PCI I/O ACCELERATOR 3.3V	-	U20
			Vendor 1:	PLX TECHNOLOGY PCI 9030-AA60BI	Vendor 3:	
			Vendor 2:		Vendor 4:	
4	1	EA	1000948G001	SYSTEM INTERFACE MOD 93LC66 EEPROM		U21
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	
7	4	EA	1902801P003	I2C BUS CONTROLLER	-	U6, U9, U17, U22
			Vendor 1:	PHILLIPS PCF8584TD	Vendor 3:	
			Vendor 2:		Vendor 4:	
8	4	EA	1902801P002	I2C BUS EXTENDER	-	U5, U8, U14, U19
			Vendor 1:	PHILIPS P82B715TD	Vendor 3:	
			Vendor 2:		Vendor 4:	
9	1	EA	1901100P012	LED 3MM PCB BLUE	-	D17
			Vendor 1:	LEDTRONICS PCL120TUB500	Vendor 3:	

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
		Vendor 2:			Vendor 4:	
10	1	EA	1901100P014	LED 3MM PCB RED	-	D15
		Vendor 1:	LEDTRONICS	PCL120TR5N-LC	Vendor 3:	
		Vendor 2:			Vendor 4:	
11	2	EA	1901100P013	LED 3MM GREEN	-	D5, D16
		Vendor 1:	LEDTRONICS	PCL120TG5N-LC	Vendor 3:	
		Vendor 2:			Vendor 4:	
13	2	EA	1901100P016	LED 3MM PCB YELLOW	-	D2, D4
		Vendor 1:	LEDTRONICS	PCL120TY5N-LC	Vendor 3:	
		Vendor 2:			Vendor 4:	
15	2	EA	1950351P007	JACK MODULAR RJ-45 4 GANG PCB	-	JR1, JR2
		Vendor 1:	MOLEX 44248-0030		Vendor 3:	
		Vendor 2:			Vendor 4:	
19	1	EA	1902006P053	HOT SWAP PCI CONTROLLER LTC1643L	-	U12
		Vendor 1:	LINEAR	LTC1643ALCGN	Vendor 3:	
		Vendor 2:			Vendor 4:	
20	1	EA	1902006P054	VOLTAGE REGULATOR 3A 5V TO 3.3V LD	-	U10
		Vendor 1:	LINEAR	LT1587CM-3.3	Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
21	1	EA	1902405P005	IC SINGLE N CHANNEL MOSFET	-	U11
			Vendor 1: FAIRCHILD	FDR4420A		Vendor 3:
			Vendor 2:			Vendor 4:
22	1	EA	1902405P003	CMOS INVERTER	-	U15
			Vendor 1: FAIRCHILD	NC7S04M5X		Vendor 3:
			Vendor 2:			Vendor 4:
23	1	EA	1902405P004	IC TINY LOGIC 2 INPUT NOR	-	U16
			Vendor 1: FAIRCHILD	NC7SZ02M5		Vendor 3:
			Vendor 2:			Vendor 4:
24	1	EA	1950211P001	CONN HEADER STRAIGHT 3 POS SMT	-	S1
			Vendor 1: MOLEX	53398-0390		Vendor 3:
			Vendor 2:			Vendor 4:
25	1	EA	1900450P001	LITHIUM BATTERY 0.3MA TO 2V	-	BT1
			Vendor 1: TADIRAN	TL-5186		Vendor 3:
			Vendor 2:			Vendor 4:
26	1	EA	1950206P002	HEADER PCB ST 2X4	-	JP1
			Vendor 1: FCI ELECTRONICS	66953-Y04		Vendor 3:
			Vendor 2:			Vendor 4:
27	1	EA	1900212P005	TRANSIENT SUPPRESSOR	-	D11
			Vendor 1: ON SEMICONDUCTOR	1SMA12CAT3		Vendor 3:

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 2:			Vendor 4:
28	1	EA	1950211P002	HEADER STRAIGHT 1X6 SMT	-	J7
			Vendor 1: SAMTEC	TSM-106-01-T-SV		Vendor 3:
			Vendor 2:			Vendor 4:
29	7	EA	1950211P003	HEADER STRAIGHT 2X3 SMT	-	JP2 - JP8
			Vendor 1: SAMTEC	TSM-103-01-T-DV		Vendor 3:
			Vendor 2:			Vendor 4:
30	1	EA	1900064P044	CAP 0805 0.047UF 10% 50V X7R	-	C70
			Vendor 1: Panasonic	ECJ2YB1H473K		Vendor 3: Kemet C0805C473K5RAC
			Vendor 2: AVX	08055C473KAT2A		Vendor 4: Murata GRM40X7R473K050AL
31	28	EA	1900064P036	CAP 0805 0.010UF 10% 50V X7R	-	C3, C6, C19, C20, C25, C27, C34, C36, C46, C49, C56, C64, C74 - C76, C78 - C90
			Vendor 1: Panasonic	ECUV1H103KBG		Vendor 3: Kemet C0805C103K5RAC
			Vendor 2: AVX	08055C103KAT2A		Vendor 4: Murata GRM40X7R103K050AD
32	42	EA	1900064P048	CAP 0805 0.10UF 10% 50V X7R	-	C1, C9, C10, C12, C13, C16 - C18, C24, C26, C33, C35, C37, C45, C48, C55, C58 - C61, C63, C65 - C69, C71 - C73, C77, C95, C96, C98 - C103, C105, C108, C111, C114
			Vendor 1: Panasonic	ECJ2YB1H104K		Vendor 3: Kemet C0805C104K5RAC
			Vendor 2: AVX	08055C104KAT2A		Vendor 4:

Parent:	1001386G001	Description:	CCA SYSTEM INTF MOD 2ND GEN, RAN			
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
33	21	EA	1900178P003	CAP TANT 6032 10UF 10% 20V	-	C2, C11, C14, C15, C28, C29, C38 - C41, C47, C50, C51, C57, C62, C93, C94, C97, C107, C110, C113
			Vendor 1: AVX TAJC106K020R		Vendor 3: VISHAY-SPRAGUE 293D106X9020C2T	
			Vendor 2: KEMET T491C106K020AS		Vendor 4:	
34	1	EA	1900012P504	RES 1206 0.01 OHM 1/4W 1%	-	R97
			Vendor 1: VISHAY/DALE WSL1206R010FRE4		Vendor 3:	
			Vendor 2:		Vendor 4:	
35	1	EA	1900015P483	RES 2010 0.007 OHM 1/2W 1%	-	R39
			Vendor 1: VISHAY WSL2010R007FB43		Vendor 3:	
			Vendor 2:		Vendor 4:	
36	2	EA	1900012P505	RES 1206 0.10 OHM 1/4W 1%	-	R105, R106
			Vendor 1: VISHAY/DALE WSL1206R100FRE4		Vendor 3:	
			Vendor 2:		Vendor 4:	
37	4	EA	1900013P151	RES 1210 0.22 OHM 1/4W 5%	-	R103, R104, R107, R110
			Vendor 1: PANASONIC ERJ14RQJR22		Vendor 3:	
			Vendor 2:		Vendor 4:	
38	14	EA	1900007P001	RES 0805 10 OHM 1/10W 5%	-	R99, R122, R123, R126, R127, R130, R131, R134, R135, R139, R140, R163, R165, R166
			Vendor 1: AVX CR21-100J-T		Vendor 3: DALE CRCW0805100JRT1	
			Vendor 2: PANASONIC ERJ6GEYJ100V		Vendor 4: KOA RM73B2AT100J	
39	2	EA	1900007P009	RES 0805 22 OHM 1/10W 5%	-	R77, R95

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
				Vendor 1: AVX CR21-220J-T Vendor 2: PANASONIC ERJ6GEYJ220V		Vendor 3: DALE CRCW0805220JRT1 Vendor 4: KOA RM73B2AT220J
40	22	EA	1900007P025	RES 0805 100 OHM 1/10W 5%	-	R5, R6, R8 - R10, R26, R34, R45, R69, R74, R78, R92, R98, R120, R121, R124, R125, R128, R129, R132, R133, R144
				Vendor 1: AVX CR21-101J-T Vendor 2: PANASONIC ERJ6GEYJ101V		Vendor 3: DALE CRCW0805101JRT1 Vendor 4: KOA RM73B2AT101J
41	4	EA	1900007P049	RES 0805 1000 OHM 1/10W 5%	-	R11, R12, R83, R94
				Vendor 1: AVX CR21-102J-T Vendor 2: PANASONIC ERJ6GEYJ102V		Vendor 3: DALE CRCW0805102JRT1 Vendor 4: KOA RM73B2AT102J
42	2	EA	1900007P051	RES 0805 1200 OHM 1/10W 5%	-	R118, R119
				Vendor 1: AVX CR21-122J-T Vendor 2: PANASONIC ERJ6GEYJ122V		Vendor 3: DALE CRCW0805122JRT1 Vendor 4: KOA RM73B2AT122J
43	2	EA	1900007P056	RES 0805 2000 OHM 1/10W 5%	-	R101, R102
				Vendor 1: AVX CR21-202J-T Vendor 2: PANASONIC ERJ6GEYJ202V		Vendor 3: DALE CRCW0805202JRT1 Vendor 4: KOA RM73B2AT202J
44	1	EA	1900007P060	RES 0805 3000 OHM 1/10W 5%	-	R112
				Vendor 1: AVX CR21-302J-T Vendor 2: PANASONIC ERJ6GEYJ302V		Vendor 3: DALE CRCW0805302JRT1 Vendor 4: KOA RM73B2AT302J

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
45	80	EA	1900007P073	RES 0805 10 KOHM 1/10W 5%	-	R7, R13, R14, R17 - R21, R30 - R32, R41 - R44, R46, R47, R50 - R57, R61 - R68, R70, R71, R76, R80 - R82, R84, R85, R89 - R91, R93, R109, R111, R136, R141 - R143, R145 - R149, R154, R155, R158, R159, R162, R164, R167 - R181, R189, R190, R194
			Vendor 1: AVX CR21-103J-T		Vendor 3: DALE CRCW0805103JRT1	
			Vendor 2: PANASONIC ERJ6GEYJ103V		Vendor 4: KOA RM73B2AT103J	
46	4	EA	1900007P152	RES 0805 10 MOHM 1/10W 5%	-	R1, R2, R96, R113
			Vendor 1: PANASONIC ERJ6GEYJ106V		Vendor 3:	
			Vendor 2:		Vendor 4:	
48	16	EA	1900007P061	RES 0805 3300 OHM 1/10W 5%	-	R15, R16, R24, R25, R27, R28, R35 - R38, R58, R59, R72, R73, R86, R87
			Vendor 1: AVX CR21-332J-T		Vendor 3: DALE CRCW0805332JRT1	
			Vendor 2: PANASONIC ERJ6GEYJ332V		Vendor 4: KOA RM73B2AT332J	
49	2	EA	1902404P004	MULTICHANNEL DRIVER/RECEIVER	-	U2, U30
			Vendor 1: MAXIM MAX232ACSE		Vendor 3:	
			Vendor 2:		Vendor 4:	
50	4	EA	1900064P001	CAP 0805 12PF 10% 50V NPO	-	C7, C8, C91, C92
			Vendor 1: Panasonic ECUV1H120KCN		Vendor 3: Kemet C0805C120K5GAC	
			Vendor 2: AVX 08055A120KAT2A		Vendor 4: Murata GRM40COG120K050AD	
52	16	EA	1900007P150	RES 0805 4.7 KOHM 1/10W 5%	-	R22, R23, R29, R33, R40, R48, R49, R60, R75, R79, R182 - R187
			Vendor 1: PANASONIC ERJ6GEYJ472V		Vendor 3:	

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
		Vendor 2:			Vendor 4:	
53	14	EA	1900327P013	IND 1008 100NH 10% WW 1000MHZ	-	L1 - L14
		Vendor 1:	Coilcraft 1008CS-101XKBC		Vendor 3:	JW Miller PM1008-R10K
		Vendor 2:	KOA KQ1008TER10K		Vendor 4:	
54	1	EA	1901020P008	DIODE SINGLE SMALL-SIG 100V 100UA	-	D3
		Vendor 1:	ON SEMICONDUCTOR MMBD914LT1		Vendor 3:	
		Vendor 2:			Vendor 4:	
55	6	EA	1902006P052	ZENER VOLTAGE REGULATOR 350 MW S -		D6, D7, D22 - D25
		Vendor 1:	ON SEMICONDUCTOR MMBZ5240BLT1		Vendor 3:	
		Vendor 2:			Vendor 4:	
56	4	EA	1901100P004	LED GREEN SMD LED GREEN SMD	-	D10, D12 - D14
		Vendor 1:	DIALIGHT 597-3311-407		Vendor 3:	
		Vendor 2:			Vendor 4:	
57	6	EA	1901100P005	LED RED SMD	-	D8, D9, D18 - D21
		Vendor 1:	DIALIGHT 597-3111-407		Vendor 3:	
		Vendor 2:			Vendor 4:	
58	2	EA	1900212P001	TRANSIENT SUPPRESSOR BIDIRECTION/	-	Z1, Z2
		Vendor 1:	PANASONIC ERZ-V14D180		Vendor 3:	
		Vendor 2:			Vendor 4:	

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
59	8	EA	1901000P004	TRANSISTOR MOSFET N CHANNEL	-	TR1 - TR8
			Vendor 1: ZELEX BSS138			Vendor 3:
			Vendor 2:			Vendor 4:
60	13	EA	1900017P004	RES NETWORK 10 OHM 5% 4R ISO	-	RN1 - RN13
			Vendor 1: CTS 742C083100J			Vendor 3:
			Vendor 2:			Vendor 4:
62	1	EA	1900007P067	RES 0805 5600 OHM 1/10W 5%	-	R88
			Vendor 1: AVX CR21-562J-T			Vendor 3: DALE CRCW0805562JRT1
			Vendor 2: PANASONIC ERJ6GEYJ562V			Vendor 4: KOA RM73B2AT562J
64	1	EA	1908200P002	GPS MODULE LASSEN SKII	-	
			Vendor 1: TRIMBLE 38116-20			Vendor 3:
			Vendor 2:			Vendor 4:
65	1	EA	1908200P003	GPS MODULE LASSEN SKII RF SHD 2 PC -	-	
			Vendor 1: TRIMBLE 39665-10			Vendor 3:
			Vendor 2:			Vendor 4:
66	1	EA	1001500P001	SYSTEM INTERFACE 2 FRONT PANEL	C	
			Vendor 1:			Vendor 3:
			Vendor 2:			Vendor 4:
67	1	EA	1955000P058	CABLE RF BH SMA LMR100 RA SMB 5.88 A		
			Vendor 1: RF LOGIC RFL-330049			Vendor 3:

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
-------	------	----	------------------	-------------	------	----------------------

Vendor 2:

Vendor 4:

68	4	EA	1933000P027	STAND-OFF HEX F-F 4-40X.438 AL	-	
		Vendor 1:	GLOBE A-3805-440-0		Vendor 3:	
		Vendor 2:			Vendor 4:	

Vendor 3:
Vendor 4:

69	4	EA	1930022P021	SCREW MCH 4-40X1/4 PHL PAN SS	-	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	

Vendor 3:
Vendor 4:

70	4	EA	1930031P005	SCREW CAP 4-40X1/4 SKT SS	-	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	

Vendor 3:
Vendor 4:

73	11	EA	1900064P012	CAP 0805 100PF 10% 50V NPO	-	C22, C23, C31, C32, C43, C44, C53, C54, C106, C109, C112
		Vendor 1:	Panasonic ECUV1H101KCG		Vendor 3:	Kemet C0805C101K5GAC
		Vendor 2:	AVX 08055A101KAT2A		Vendor 4:	Murata GRM40COG101K050AD

Vendor 3: Kemet C0805C101K5GAC
Vendor 4: Murata GRM40COG101K050AD

74	1	EA	1001505G001	2ND GEN SYS INTF MODULE XC9572 CPL A		U3
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	

Vendor 3:
Vendor 4:

75	1	EA	1950025P001	CONN SMB RIGHT ANGLE JACK		1 J6
		Vendor 1:	TYCO (AMP) 414963-1		Vendor 3:	
		Vendor 2:			Vendor 4:	

Vendor 3:
Vendor 4:

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
76	1	EA	1903800P001	SWITCH PUSHBUTTON PCB RT <	-	S2
			Vendor 1: PANASONIC	EVQ-PF108K	Vendor 3: PANASONIC	EVQPF008K
			Vendor 2: PANASONIC	EVQPFC04K	Vendor 4: PANASONIC	EVQPFC04R
77	2	EA	1902006P049	SER INTFC ACPI-COMPAT MICROPROCE	-	U24, U25
			Vendor 1: NATIONAL SEMICOND	LM80CIMT-3	Vendor 3:	
			Vendor 2:		Vendor 4:	
78	2	EA	1900021P003	RES WW 1 OHM 3W 1%	-	R137, R138
			Vendor 1: OHMITE	23J1R0	Vendor 3:	
			Vendor 2:		Vendor 4:	
79	4	EA	1903200P001	OPTOCOUPLER HIGH ISOLATION	-	U26 - U29
			Vendor 1: NEC	PS2701-1	Vendor 3:	
			Vendor 2:		Vendor 4:	
80	5	EA	1950300P060	2.54 MM MINI-JUMPER	-	JP2-1/2-3, JP2-2/2-4, JP7-1/7-2, JP7-3/7-4, JP7-5/7-6
			Vendor 1: E-TEC	JPO-254-BL-11	Vendor 3:	
			Vendor 2: STARTECH	JUMPER254	Vendor 4:	
82	1	EA	1950217P002	CONN PCB RT CPCI J2-J5	-	J5
			Vendor 1: TYCO ELECTRONICS	352152-1	Vendor 3:	
			Vendor 2:		Vendor 4:	
83	4	EA	1900007P080	RES 0805 20 KOHM 1/10W 5%	-	R156, R157, R160, R161

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: AVX CR21-203J-T			Vendor 3: DALE CRCW0805203JRT1
			Vendor 2: PANASONIC ERJ6GEYJ203V			Vendor 4: KOA RM73B2AT203J
84	4	EA	1901021P014	DIODE ZENER SMD 8.2V 5% .225W	-	D26 - D29
			Vendor 1: ON SEMICONDUCTOR BZX84C8V2LT1			Vendor 3:
			Vendor 2: DIODES INC BZX84C8V2-7			Vendor 4:
85	1	EA	1902802P002	TRANSCEIVER SINGLE LVDS 3.3/5V	-	U31
			Vendor 1: NATIONAL DS92LV010ATM			Vendor 3:
			Vendor 2:			Vendor 4:
86	1	EA	1900063P013	CAP 0805 120PF 5% 50V NPO	-	C104
			Vendor 1: Panasonic ECUV1H121JCG			Vendor 3: Kemet C0805C121J5GAC
			Vendor 2: AVX 08055A121JAT2A			Vendor 4: Murata GRM40COG121J050AD
88	3	EA	1902006P088	FAN CONTROLLER/MONITOR	-	U32 - U34
			Vendor 1: ANALOG DEVICES ADT7460ARQ			Vendor 3:
			Vendor 2:			Vendor 4:
89	1	EA	1902006P068	IC 4 CHAN I2C MULTIPLEXER	-	U35
			Vendor 1: PHILIPS PCA9544PW			Vendor 3:
			Vendor 2:			Vendor 4:
90	1	EA	1900006P001	RES 0805 0 OHM JUMPER	-	R191
			Vendor 1: AVX CJ21-000-T			Vendor 3: DALE CRCW0805R000ZRT
			Vendor 2: PANASONIC ERJ6GEYOR00V			Vendor 4: KOA RM73Z2AT

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
91	2	EA	1901020P016	DIODE SCHOTTKY BARRIER SWITCHING -		REWK-D1, REWK-D2
			Vendor 1: DIODES INC SD101CW		Vendor 3:	
			Vendor 2: GENERAL SEMICONDUCTOR SD101CW		Vendor 4:	
92	2	EA	1900044P010	CAP 0603 1000PF 10% 16V X7R	-	REWK-C115, REWK-C116
			Vendor 1:		Vendor 3: Kemet C0603C102K4RAC	
			Vendor 2: AVX 0603YC102KAT2A		Vendor 4:	
500	1	EA	1001387P001	PWB SYSTEM INTERFACE, 2ND GEN	A1	
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	
501	0	EA	1001386-ASSY	SYSTEM INTERFACE CCA ASSY DRAWING B		
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	
502	0	EA	1001388	SCHEMATIC SYSTEM INTERFACE, 2ND G D		
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	
504	0	EA	1001385	2ND GEN STF MODULE SPEC	A	
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	
510	0	EA	1001386-RWK	SYSTEM INTF MOD 2ND GEN REWORK IN B		
			Vendor 1:		Vendor 3:	
			Vendor 2:		Vendor 4:	

Parent: 1001386G001 Description: CCA SYSTEM INTF MOD 2ND GEN, RAN

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
-------	------	----	------------------	-------------	------	----------------------

*** END OF REPORT ***

Production Bill of Material with Reference Designators

Parent:	1000891G001			Description:	CCA HUB UP CONVERTER	
Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
1	18	EA	1900043P010	CAP 0603 1000PF 5% 16V X7R	-	C186, C188, C190 - C199, C243, C246, C277, C451 - C453
		Vendor 1:			Vendor 3:	Kemet C0603C102J4RAC
		Vendor 2:	AVX 0603YC102JAT2A		Vendor 4:	
2	25	EA	1900043P022	CAP 0603 0.010UF 5% 16V X7R	-	C1, C2, C22, C23, C148, C150, C151, C153, C155, C157, C158, C160, C162 - C164, C174 - C176, C182, C183, C383 - C385, C454, C455
		Vendor 1:			Vendor 3:	Kemet C0603C103J4RAC
		Vendor 2:	AVX 0603YC103JAT2A		Vendor 4:	
4	8	EA	1900043P028	CAP 0603 0.033UF 5% 16V X7R	-	C135, C136, C139, C140, C142, C143, C145, C146
		Vendor 1:			Vendor 3:	Kemet C0603C333J4RAC
		Vendor 2:	AVX 0603YC333JAT2A		Vendor 4:	
5	2	EA	1900015P484	RES 2010 0.010 OHM 1/2W 1%	-	R506, R507
		Vendor 1:	VISHAY WSL2010-.010-1%R86		Vendor 3:	
		Vendor 2:			Vendor 4:	
6	64	EA	1900044P034	CAP 0603 0.10UF 10% 16V X7R	-	C128, C141, C275, C286, C287, C357, C390 - C412, C414, C416, C417, C419 - C435, C437 - C446, C472, C473, C479 - C481
		Vendor 1:	Panasonic ECJ1VB1C104K		Vendor 3:	Kemet C0603C104K4RAC
		Vendor 2:	AVX 0603YC104KAT2A		Vendor 4:	Murata GRM39X7R104K016AD

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
9	1	EA	1900046P019	CAP 0603 470PF 2% 25V NPO	-	C31
		Vendor 1:			Vendor 3:	Kemet C0603C471G3GAC
		Vendor 2:	AVX 06033A471GAT2A		Vendor 4:	
10	8	EA	1900003P001	RES 0603 0 OHM JUMPER	-	R169, R175 - R179, R490, R491
		Vendor 1:	AVX CJ10-000-T		Vendor 3:	DALE CRCW0603000RT1
		Vendor 2:	PANASONIC ERJ3GSYJ000V		Vendor 4:	KOA RM73Z1JT
11	11	EA	1900100P001	CAP 0805 1.0UF 20% 10V	-	C285, C458 - C467
		Vendor 1:			Vendor 3:	KEMET C0805C105M8RAC
		Vendor 2:			Vendor 4:	
12	4	EA	1900159P007	CAP 3216 1.0UF 20% 16V TAN	-	C447 - C450
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	PANASONIC ESSH1CY105R
13	5	EA	1900004P051	RES 0603 1200 OHM 1/16W 5%	-	R508 - R512
		Vendor 1:	AVX CR10-122J-T		Vendor 3:	DALE CRCW0603122JRT1
		Vendor 2:	PANASONIC ERJ3GSYJ122V		Vendor 4:	KOA RM73B1JT122J
14	1	EA	1900003P306	RES 0603 14.7 KOHM 1/16W 1%	-	R18
		Vendor 1:	AVX CR10-1472F-T		Vendor 3:	DALE CRCW06031472FRT1
		Vendor 2:	PANASONIC ERJ3EKF1472V		Vendor 4:	KOA RK73H1JT1472F
15	2	EA	1900159P006	CAP TANT 3216 6.8UF 20% 16V	-	C3, C4
		Vendor 1:	AVX TAJA685M016R		Vendor 3:	VISHAY-SPRAGUE 293D685X0016A2T
		Vendor 2:			Vendor 4:	

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
17	2	EA	1900003P222	RES 0603 1910 OHM 1/16W 1%	-	R503, R504
			Vendor 1: AVX CR10-1911F-T			Vendor 3: DALE CRCW06031911FRT1
			Vendor 2: PANASONIC ERJ3EKF1911V			Vendor 4: KOA RK73H1JT1911F
18	13	EA	1900003P194	RES 0603 1000 OHM 1/16W 1%	-	R2, R3, R200 - R204, R236 - R238, R243, R401, R402
			Vendor 1: AVX CR10-1001F-T			Vendor 3: DALE CRCW06031001FRT1
			Vendor 2: PANASONIC ERJ3EKF1001V			Vendor 4: KOA RK73H1JT1001F
19	8	EA	1900003P482	RES 0603 1 MOHM 1/16W 1%	-	R192 - R195, R486 - R489
			Vendor 1: AVX CR10-1004F-T			Vendor 3: DALE CRCW06031004FRT1
			Vendor 2: PANASONIC ERJ3EKF1004V			Vendor 4: KOA RK73H1JT1004F
20	2	EA	1900328P029	IND 1008 1.2UH 20% WW 250MHZ	-	L15, L16
			Vendor 1: Coilcraft 1008CS-122XMBC			Vendor 3: JW Miller PM1008-1R2M
			Vendor 2: KOA KQ1008TE1R2M			Vendor 4:
21	4	EA	1900065P037	CAP 1206 1.0UF 5% 16V X7R	-	C25, C26, C262, C263
			Vendor 1:			Vendor 3: Kemet C1206C105J4RAC
			Vendor 2: AVX 1206YC105JAT2A			Vendor 4: Murata GRM42-6X7R105J016AL
22	5	EA	1900308P013	IND 0603 1.0UH 10% MLF 75MHZ	-	L40, L42, L43, L48, L49
			Vendor 1: TDK MLF1608A1R0KT			Vendor 3: Associated Components Technology MIC0603-1R0K
			Vendor 2: Central Technologies CTML0603-1R0K			Vendor 4:
23	2	EA	1900049P007	CAP 0603 2.2PF +/- .25PF 50V NPO	-	C11, C12
			Vendor 1:			Vendor 3: Kemet C0603C229C5GAC
			Vendor 2: AVX 06035A2R2CAT2A			Vendor 4:

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
24	1	EA	1900325P029	IND 1008 2.2UH 2% WW 160MHZ Vendor 1: Coilcraft 1008CS-222XGBC Vendor 2: KOA KQ1008TE2R2G	-	L84 Vendor 3: Pulse PE-1008CD222GTT Vendor 4:
25	2	EA	1900049P006	CAP 0603 2.0PF +/- .25PF 50V NPO Vendor 1: Panasonic ECUV1H020CCV Vendor 2:	-	C282, C283 Vendor 3: Kemet C0603C209C5GAC Vendor 4: Murata GRM39COG2R0C050AD
26	8	EA	1900004P061	RES 0603 3300 OHM 1/16W 5% Vendor 1: AVX CR10-332J-T Vendor 2: PANASONIC ERJ3GSYJ332V	-	R408, R411 - R416, R419 Vendor 3: DALE CRCW0603332JRT1 Vendor 4: KOA RM73B1JT332J
27	1	EA	1900004P021	RES 0603 68 OHM 1/16W 5% Vendor 1: AVX CR10-680J-T Vendor 2: PANASONIC ERJ3GSYJ680V	-	R14 Vendor 3: DALE CRCW0603680JRT1 Vendor 4: KOA RM73B1JT680J
28	11	EA	1900153P004	CAP TANT 3216 3.3UF 10% 16V Vendor 1: AVX TAJA335K016R Vendor 2: KEMET T491A335K016AS	-	C34, C254, C256, C264 - C268, C288, C289, C386 Vendor 3: VISHAY-SPRAGUE 293D335X9016A2T Vendor 4:
31	9	EA	1900004P065	RES 0603 4700 OHM 1/16W 5% Vendor 1: AVX CR10-472J-T Vendor 2: PANASONIC ERJ3GSYJ472V	-	R381 - R389 Vendor 3: DALE CRCW0603472JRT1 Vendor 4: KOA RM73B1JT472J
32	5	EA	1900328P036	IND 1008 4.7UH 20% WW 90MHZ Vendor 1: Coilcraft 1008CS-472XMBC Vendor 2: KOA KQ1008TE4R7M	-	L98 - L102 Vendor 3: JW Miller PM1008-4R7M Vendor 4:

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
33	10	EA	1900004P150	RES 0603 5.6 OHM 1/16W 5%		R22, R23, R165 - R168, R171 - R174
			Vendor 1: AVX CR10-5R6J-T		Vendor 3: DAL CRCW06035R6JT	
			Vendor 2: PANASONIC ERJ3GSYJ5R6V		Vendor 4:	
34	16	EA	1900158P006	CAP TANT 3216 10UF 20% 10V	-	C5 - C8, C35, C259, C260, C269 - C272, C387 - C389, C456, C457
			Vendor 1: AVX TAJA106M010R		Vendor 3: VISHAY-SPRAGUE 293D106X0010A2T	
			Vendor 2: KEMET T491A106M010AS		Vendor 4: PANASONIC ECST1AY106R	
36	6	EA	1900049P020	CAP 0603 8.2PF +/-0.5PF 50V NPO	-	C19, C20, C278 - C281
			Vendor 1: AVX 06035A8R2CAT2A		Vendor 3: Kemet C0603C829D5GAC	
			Vendor 2: AVX 06035A8R2DAT2A		Vendor 4:	
38	20	EA	1900003P290	RES 0603 10 KOHM 1/16W 1%	-	R1, R6, R15, R17, R24, R26, R27, R180, R229, R390 - R399, R404
			Vendor 1: AVX CR10-1002F-T		Vendor 3: DALE CRCW06031002FRT1	
			Vendor 2: PANASONIC ERJ3EKF1002V		Vendor 4: KOA RK73H1JT1002F	
39	2	EA	1900306P003	IND 0603 10NH 5% MLC 2850MHZ	-	L80, L81
			Vendor 1: Toko LL1608-FH10NJ		Vendor 3:	
			Vendor 2: Central Technologies CTLL1608-FH10NJ		Vendor 4:	
41	5	EA	1900049P022	CAP 0603 10PF +/-0.5PF 50V NPO	-	C24, C468 - C471
			Vendor 1: Panasonic ECUV1H100DCV		Vendor 3: Kemet C0603C100D5GAC	
			Vendor 2: AVX 06035A100DAT2A		Vendor 4: ROHM MCH185A100DK	
44	3	EA	1900004P003	RES 0603 12 OHM 1/16W 5%	-	R189 - R191

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: AVX CR10-120J-T			Vendor 3: DALE CRCW0603120JRT1
			Vendor 2: PANASONIC ERJ3GSYJ120V			Vendor 4: KOA RM73B1JT120J
45	1	EA	1900046P001	CAP 0603 15PF 2% 25V NPO	-	C364
			Vendor 1:			Vendor 3:
			Vendor 2: AVX 06033A150GAT2A			Vendor 4:
46	2	EA	1900306P006	IND 0603 18NH 5% MLC 2100MHZ	-	L58, L59
			Vendor 1: Toko LL1608-FH18NJ			Vendor 3:
			Vendor 2: Central Technologies CTLL1608-FH18NJ			Vendor 4:
47	4	EA	1900004P007	RES 0603 18 OHM 1/16W 5%	-	R220 - R223
			Vendor 1: AVX CR10-180J-T			Vendor 3: DALE CRCW0603180JRT1
			Vendor 2: PANASONIC ERJ3GSYJ180V			Vendor 4: CAL-CHIP RM06J180CT
48	2	EA	1900046P014	CAP 0603 180PF 2% 25V NPO	-	C29, C30
			Vendor 1:			Vendor 3: Kemet C0603C181G3GAC
			Vendor 2: AVX 06033A181GAT2A			Vendor 4:
49	2	EA	1900003P320	RES 0603 20 KOHM 1/16W 1%	-	R198, R199
			Vendor 1: AVX CR10-2002F-T			Vendor 3: DALE CRCW06032002FRT1
			Vendor 2: PANASONIC ERJ3EKF2002V			Vendor 4: KOA RK73H1JT2002F
50	66	EA	1900003P035	RES 0603 22.1 OHM 1/16W 1%	-	R420 - R485
			Vendor 1: AVX CR10-22R1F-T			Vendor 3: DALE CRCW060322R1FRT1
			Vendor 2: PANASONIC ERJ3EKF22R1V			Vendor 4: KOA RK73H1JT22R1F
51	4	EA	1900306P007	IND 0603 22NH 5% MLC 1850MHZ	-	L68 - L71

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: Toko LL1608-FH22NJ		Vendor 3:	
			Vendor 2: Central Technologies CTLL1608-FH22NJ		Vendor 4:	
52	5	EA	1900046P003	CAP 0603 22PF 2% 25V NPO	-	C189, C237 - C240
			Vendor 1:		Vendor 3:	
			Vendor 2: AVX 06033A220GAT2A		Vendor 4:	
54	1	EA	1900004P085	RES 0603 33 KOHM 1/16W 5%	-	R234
			Vendor 1: AVX CR10-333J-T		Vendor 3: DALE CRCW0603333JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ333V		Vendor 4: KOA RM73B1JT333J	
57	2	EA	1900306P010	IND 0603 39NH 5% MLC 1400MHZ	-	L82, L83
			Vendor 1: Toko LL1608-FH39NJ		Vendor 3:	
			Vendor 2: Central Technologies CTLL1608-FH39NJ		Vendor 4:	
58	2	EA	1900050P003	CAP 0603 39PF 1% 50V NPO	-	C9, C10
			Vendor 1:		Vendor 3: Kemet C0603C390F5GAC	
			Vendor 2: AVX 06035A390FAT2A		Vendor 4: Murata GRM39COG390F050AD	
60	16	EA	1900004P018	RES 0603 51 OHM 1/16W 5%	-	R8 - R10, R207 - R215, R499 - R502
			Vendor 1: AVX CR10-510J-T		Vendor 3: DALE CRCW0603510JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ510V		Vendor 4: BOURNS CR0603JW510E	
61	10	EA	1900045P006	CAP 0603 68PF 1% 25V NPO	-	C13, C14, C227 - C234
			Vendor 1:		Vendor 3:	
			Vendor 2: AVX 06033A680FAT2A		Vendor 4: MURATA GRM39COG680F025AD	
62	2	EA	1900051P020	CAP 0603 75PF 2% 50V NPO	-	C38, C39

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
		Vendor 1:			Vendor 3:	KEMET C0603C750G5GAC
		Vendor 2:			Vendor 4:	
63	1	EA	1902006P081	IC HOT SWAP I2C BUFFER		1 U23
		Vendor 1:	LINEAR TECHNOLOGY	LTC4300-1IMS8	Vendor 3:	
		Vendor 2:			Vendor 4:	
64	12	EA	1900326P012	IND 1008 82NH 5% WW 1000MHZ	-	L17, L72 - L75, L78, L79, L97, L103 - L105, L109
		Vendor 1:	Coilcraft	1008CS-820XJBC	Vendor 3:	JW Miller PM1008-82NJ
		Vendor 2:	KOA	KQ1008TE82NJ	Vendor 4:	
65	4	EA	1900012P093	RES 1210 88.7 OHM 1/4W 1%	-	R227, R228, R232, R233
		Vendor 1:			Vendor 3:	DALE CRCW121088R7FRT1
		Vendor 2:	PANASONIC	ERJ14NF88R7U	Vendor 4:	KOA RK73H2ET88R7F
68	2	EA	1900004P025	RES 0603 100 OHM 1/16W 5%	-	R406, R407
		Vendor 1:	AVX	CR10-101J-T	Vendor 3:	DALE CRCW0603101JRT1
		Vendor 2:	PANASONIC	ERJ3GSYJ101V	Vendor 4:	KOA RM73B1JT101J
69	1	EA	1900004P097	RES 0603 100 KOHM 1/16W 5%	-	R235
		Vendor 1:	AVX	CR10-104J-T	Vendor 3:	DALE CRCW0603104JRT1
		Vendor 2:	PANASONIC	ERJ3GSYJ104V	Vendor 4:	KOA RM73B1JT104J
70	11	EA	1900045P008	CAP 0603 100PF 1% 25V NPO	-	C15 - C18, C214 - C220
		Vendor 1:			Vendor 3:	
		Vendor 2:	AVX	06033A101FAT2A	Vendor 4:	MURATA GRM39COG101F025AD
72	2	EA	1900003P390	RES 0603 110 KOHM 1/16W 1%	-	R196, R197

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: AVX CR10-1103F-T			Vendor 3: DALE CRCW06031103FRT1
			Vendor 2: PANASONIC ERJ3EKF1103V			Vendor 4: KOA RK73H1JT1103F
73	10	EA	1900336P003	IND 1812 120NH 2% WW 150MHZ	-	L1 - L10
			Vendor 1: COILCREAFT 1812SMS-R12G			Vendor 3:
			Vendor 2:			Vendor 4:
74	2	EA	1900050P009	CAP 0603 120PF 1% 50V NPO	-	C40, C41
			Vendor 1: CAL-CHIP GMC10CG121F50NT			Vendor 3: Kemet C0603C121F5GAC
			Vendor 2: AVX 06035A121FAT2A			Vendor 4: Murata GRM39COG121F050AD
80	8	EA	1900003P138	RES 0603 261 OHM 1/16W 1%	-	R11, R205, R206, R226, R244, R379, R380, R505
			Vendor 1: AVX CR10-2610F-T			Vendor 3: DALE CRCW06032610FRT1
			Vendor 2: PANASONIC ERJ3EKF2610V			Vendor 4: KOA RK73H1JT2610F
82	5	EA	1900004P036	RES 0603 300 OHM 1/16W 5%	-	R7, R216 - R219
			Vendor 1: AVX CR10-301J-T			Vendor 3: DALE CRCW0603301JRT1
			Vendor 2: PANASONIC ERJ3GSYJ301V			Vendor 4: KOA RM73B1JT301J
83	3	EA	1900004P037	RES 0603 330 OHM 1/16W 5%	-	R12, R13, R400
			Vendor 1: AVX CR10-331J-T			Vendor 3: DALE CRCW0603331JRT1
			Vendor 2: PANASONIC ERJ3GSYJ331V			Vendor 4: KOA RM73B1JT331J
85	5	EA	1900003P155	RES 0603 392 OHM 1/16W 1%	-	R4, R5, R496 - R498
			Vendor 1: AVX CR10-3920F-T			Vendor 3: DALE CRCW06033920FRT1
			Vendor 2: PANASONIC ERJ3EKF3920V			Vendor 4: KOA RK73H1JT3920F
86	6	EA	1900004P040	RES 0603 430 OHM 1/16W 5%	-	R183 - R188

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: AVX CR10-431J-T			Vendor 3: DALE CRCW0603431JRT1
			Vendor 2: PANASONIC ERJ3GSYJ431V			Vendor 4: KOA RM73B1JT431J
89	20	EA	1900004P048	RES 0603 910 OHM 1/16W 5%	-	R16, R19 - R21, R142 - R149, R154 - R161
			Vendor 1: AVX CR10-911J-T			Vendor 3: DALE CRCW0603911JRT1
			Vendor 2: PANASONIC ERJ3GSYJ911V			Vendor 4: KOA RM73B1JT911J
90	2	EA	1902800P010	D/A CONVERTER 14 BIT 160 MSPS	-	U87, U88
			Vendor 1: ANALOG DEVICES AD9772AAST			Vendor 3:
			Vendor 2:			Vendor 4:
91	1	EA	1000971G001	HUC FPGA CONFIGURATION EEPROM	D	U82
			Vendor 1:			Vendor 3:
			Vendor 2:			Vendor 4:
92	1	EA	1902200P004	EEPROM 2 WIRE SERIAL	-	U96
			Vendor 1: ATMEL AT34C02N-10SI-2.7			Vendor 3:
			Vendor 2:			Vendor 4:
94	2	EA	1950202P005	HEADER PCB 2X 40 DIFF PR	-	P1, P4
			Vendor 1: SAMTEC QTH-040-01-L-D-DP-A-K			Vendor 3:
			Vendor 2:			Vendor 4:
95	1	EA	1902802P002	TRANSCEIVER SINGLE LVDS 3.3/5V	-	U50
			Vendor 1: NATIONAL DS92LV010ATM			Vendor 3:
			Vendor 2:			Vendor 4:
96	2	EA	1902006P042	16 BIT LVDS SERIALIZER/ DESERIALIZE	-	U102, U103

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: NATIONAL SEMICON	DS92LV16TVHG	Vendor 3:	
			Vendor 2:		Vendor 4:	
97	1	EA	1902804P001	DATA SELECTOR 2:1 QUAD	-	U81
			Vendor 1: IDT	IDT74LVC157APY	Vendor 3:	
			Vendor 2:		Vendor 4:	
98	2	EA	1901000P014	TRANSISTOR MOSFET N CHANNEL	-	U100, U101
			Vendor 1: INTERNATIONAL RECTIFIER	IRF7413	Vendor 3:	
			Vendor 2:		Vendor 4:	
99	1	EA	1901100P013	LED 3MM GREEN	-	D4
			Vendor 1: LEDTRONICS	PCL120TG5N-LC	Vendor 3:	
			Vendor 2:		Vendor 4:	
100	1	EA	1902406P003	FREQ SYNTHESIZER 2.5GHZ	-	U46
			Vendor 1: NATIONAL SEMICONDUCTOR	LMX2330LTM	Vendor 3:	
			Vendor 2:		Vendor 4:	
101	2	EA	1903000P006	VOLTAGE REGULATOR 5V LDO 0.1A	-	U38, U39
			Vendor 1: Linear Technology	LT1761ES5-5	Vendor 3:	
			Vendor 2:		Vendor 4:	
102	7	EA	1903000P007	VOLTAGE REGULATOR ADJ LDO 0.5A	-	U41 - U44, U54, U55, U80
			Vendor 1: Linear Technology	LT1763CS8	Vendor 3:	
			Vendor 2:		Vendor 4:	
103	2	EA	1903000P012	VOLT REGULATOR LOW NOISE 3.3V 500MA	-	U85, U86

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: LINEAR TECHNOLOGIES	LT1763CS8-3.3	Vendor 3:	
			Vendor 2:		Vendor 4:	
104	1	EA	1902006P045	HOT SWAP PCI PWR CONTROLLER	-	U99
			Vendor 1: MICREL INC	MIC2580-1.0BTS	Vendor 3:	
			Vendor 2:		Vendor 4:	
105	2	EA	1908100P024	MIXER RF 40-2500MHZ 10 DB LOW SMD		1 U3, U4
			Vendor 1: MINI-CIRCUITS	SYM-25DLHW	Vendor 3:	
			Vendor 2:		Vendor 4:	
106	2	EA	1908100P020	MIXER RF 2-500MHZ 5.2DB LOW SMD	-	U32, U33
			Vendor 1: MINI-CIRCUITS	ADE-1L	Vendor 3:	
			Vendor 2:		Vendor 4:	
107	1	EA	1901000P008	TRANSISTOR BJT PNP	-	Q2
			Vendor 1: MOTOROLA	MMBT2907ALT1	Vendor 3:	
			Vendor 2:		Vendor 4:	
108	3	EA	1901000P007	TRANSISTOR BIAS RESISTOR NPN	-	U1, U2, U98
			Vendor 1: ON SEMICONDUCTOR	MUN5211T1	Vendor 3:	
			Vendor 2:		Vendor 4:	
110	1	EA	1902006P068	IC 4 CHAN I2C MULTIPLEXER	-	U90
			Vendor 1: PHILIPS	PCA9544PW	Vendor 3:	
			Vendor 2:		Vendor 4:	
111	1	EA	1902006P044	I2C EXPANDER	-	U91

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: PHILLIPS SEMICONDUCTOR	PCF8574-ATD (OR ATD-T)	Vendor 3:	
			Vendor 2:		Vendor 4:	
112	2	EA	1902801P001	I2C 16 BIT I/O EXPANDER	-	U94, U95
			Vendor 1: Philips	PCF8575TSDB-T	Vendor 3:	
			Vendor 2:		Vendor 4:	
113	2	EA	1906003P004	FILTER BP 280 MHZ	-	FL5, FL6
			Vendor 1: SAWTEK	855392	Vendor 3:	
			Vendor 2:		Vendor 4:	
116	4	EA	1908000P019	AMP RF SIGE DC-3500MHZ 50 OHM SMD	-	U48, U49, U52, U53
			Vendor 1: STANFORD	SGA-3486	Vendor 3:	
			Vendor 2:		Vendor 4:	
117	2	EA	1908000P009	AMP RF SIGE DC-3GHZ SMD	-	U27, U31
			Vendor 1: STANFORD MICRODEVICES	SGA-6386-TR1	Vendor 3:	
			Vendor 2:		Vendor 4:	
118	2	EA	1950013P001	CONN SMA JACK ST BLKHD PCB 50 OHM	-	J2, J3
			Vendor 1: JOHNSON COMPONENTS	142-0711-811	Vendor 3:	
			Vendor 2:		Vendor 4:	
119	1	EA	1902404P005	HIGH SPEED DIFFERENTIAL LINE RCVR	-	U97
			Vendor 1: TI	SN65LVDS2DBVR	Vendor 3:	
			Vendor 2:		Vendor 4:	
120	2	EA	1908500P002	TRANSFORMER RF 1:1 SMD	-	T3, T4

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: MINI-CIRCUITS	T1-1T-KK81-TR	Vendor 3:	
			Vendor 2:		Vendor 4:	
121	1	EA	1902400P002	SUPPLY VOLTAGE SUPERVISORY CKT	-	U83
			Vendor 1: TEXAS INSTRUMENTS	TLC7733IDR	Vendor 3:	
			Vendor 2:		Vendor 4:	
122	1	EA	1904300P016	VCO 1000-1760 MHZ		1 U5
			Vendor 1: Z-COMMUNICATIONS	V585ME21	Vendor 3:	
			Vendor 2:		Vendor 4:	
123	1	EA	1904300P001	VCO 210-270MHZ	-	U47
			Vendor 1: Z-COMMUNICATIONS INC	V240ME01	Vendor 3:	
			Vendor 2:		Vendor 4:	
124	1	EA	1902201P005	FPGA XCS40XL	-	U84
			Vendor 1: XILINX	XCS40XL-4PQ240C	Vendor 3:	
			Vendor 2:		Vendor 4:	
132	1	EA	1901100P014	LED 3MM PCB RED	-	D3
			Vendor 1: LEDTRONICS	PCL120TR5N-LC	Vendor 3:	
			Vendor 2:		Vendor 4:	
133	2	EA	1901100P016	LED 3MM PCB YELLOW	-	D1, D2
			Vendor 1: LEDTRONICS	PCL120TY5N-LC	Vendor 3:	
			Vendor 2:		Vendor 4:	
134	1	EA	1902402P007	OP AMP LOW NOISE HIGH SPEED		1 U6

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: LINEAR LT1128CS8		Vendor 3:	
			Vendor 2:		Vendor 4:	
135	1	EA	1903000P015	VOLTAGE REGULATOR ADJ LDO 0.5A NEG	-	U9
			Vendor 1: LINEAR LT1175IS8		Vendor 3:	
			Vendor 2:		Vendor 4:	
136	1	EA	1900066P025	CAP 1206 0.10UF 10% 16V X7R	-	C28
			Vendor 1: Panasonic ECJ3VB1C104K		Vendor 3: Kemet C1206C104K4RAC	
			Vendor 2: AVX 1206YC104KAT2A		Vendor 4:	
137	2	EA	1900051P010	CAP 0603 82PF 2% 50V NPO	-	C36, C37
			Vendor 1:		Vendor 3: Kemet C0603C820G5GAC	
			Vendor 2: AVX 06035A820GAT2A		Vendor 4: Murata GRM39COG820G050AD	
138	2	EA	1900046P024	CAP 0603 91PF 2% 25V	-	C32, C33
			Vendor 1:		Vendor 3:	
			Vendor 2: AVX 06033A910GAT2A		Vendor 4:	
139	1	EA	1900003P386	RES 0603 100 KOHM 1/16W 1%	-	R25
			Vendor 1: AVX CR10-1003F-T		Vendor 3: DALE CRCW06031003FRT1	
			Vendor 2: PANASONIC ERJ3EKF1003V		Vendor 4: KOA RK73H1JT1003F	
140	2	EA	1900003P128	RES 0603 200 OHM 1/16W 1%	-	R30, R31
			Vendor 1: AVX CR10-2000F-T		Vendor 3: DALE CRCW06032000FRT1	
			Vendor 2: PANASONIC ERJ3EKF2000V		Vendor 4: KOA RK73H1JT2000F	
141	1	EA	1902405P009	IC TINY LOGIC UHS DUAL 2 INPUT NAND		1 U7

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
			Vendor 1: FAIRCHILD NC7WZ00K8X		Vendor 3:	
			Vendor 2:		Vendor 4:	
142	2	EA	1900004P024	RES 0603 91 OHM 1/16W 5%	-	R138, R139
			Vendor 1: AVX CR10-910J-T		Vendor 3: DALE CRCW0603910JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ910V		Vendor 4: KOA RM73B1JT910J	
143	4	EA	1900004P023	RES 0603 82 OHM 1/16W 5%	-	R134 - R137
			Vendor 1: AVX CR10-820J-T		Vendor 3: DALE CRCW0603820JRT1	
			Vendor 2: PANASONIC ERJ3GSYJ820V		Vendor 4: KOA RM73B1JT820J	
144	2	EA	1900013P003	RES 1210 12 OHM 1/4W 5%	-	R130, R133
			Vendor 1:		Vendor 3: DALE CRCW1210120JRT1	
			Vendor 2: PANASONIC ERJ14YJ120U		Vendor 4: KOA RM73B2ET120J	
145	1	EA	1900044P026	CAP 0603 0.022UF 10% 16V X7R	-	C21
			Vendor 1: Panasonic ECJ1VB1C223K		Vendor 3: Kemet C0603C223K4RAC	
			Vendor 2: AVX 0603YC223KAT2A		Vendor 4:	
146	1	EA	1900221P001	CAP 1206 2.2UF 10% 10V	-	C27
			Vendor 1: PANASONIC ECJ3YB1A225K		Vendor 3:	
			Vendor 2:		Vendor 4:	
147	1	EA	1903000P013	VOLT REGULATOR LOW NOISE 3.3V 1.5A	-	VR10
			Vendor 1: LINEAR TECHNOLOGIES LT1963AEST-3.3		Vendor 3:	
			Vendor 2:		Vendor 4:	
500	1	EA	1000892P001	PWB HUB UP CONVERTER	A1	

Parent: 1000891G001 Description: CCA HUB UP CONVERTER

Seqn.	Qty.	UM	Opencell Pt. No.	Description	Rev.	Reference Designator
-------	------	----	------------------	-------------	------	----------------------

Vendor 1:
Vendor 2:

Vendor 3:
Vendor 4:

501	0	EA	1000891-ASSY	HUB UP CONVERTER CCA ASSY DWG	H	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	

502	0	EA	1000893	SCHEMATIC HUB UP CONVERTER	C	
		Vendor 1:			Vendor 3:	
		Vendor 2:			Vendor 4:	

*** END OF REPORT ***



Part No. 1000890G001

**1000890G001: HUB UP CONV MOD
Revision F, 10/13/05**

Item	Qty	U/M	Component	Rev	Description	Ref. Desig	Manufacturer	Mfg#
1	1	EA	1000891G001	G	CCA HUB UP CONVERTER			
2	1	EA	1000843G001	B	CCA BACKPLANE INTERFACE			
3	3	EA	1933003P017	0	STAND-OFF HEX M-F 4-40 X 3/16		AMATOM ELECTRONIC HARDWARE	9723-A-0440
5	1	EA	1000895P001	B	HUB UP CONVERTER TOP COVER			
6	1	EA	1000896P001	C	HUB UP CONVERTER FRONT PANEL			
7	1	EA	1000897P001	B	HUB UP CONVERTER BOTTOM COVER			
8	3	EA	1931004P002	0	NUT PLAIN HEX 4-40 SS			
9	4	EA	1931999P003	0	NUT HEX SMA PANEL		JOHNSON COMPONENTS INC	5609052010
							MOLEX INC	89611-0523
10	2	EA	1932015P002	0	WASHER TOOTH LOCK INT .250 SMA		JOHNSON COMPONENTS INC	016-2226-513
							JOHNSON COMPONENTS INC	5969070014 FLAT WASHER
11	17	EA	1930022P041	0	SCREW MCH 6-32X3/8 PHL PAN SS			
12	6	EA	1930022P020	0	SCREW MCH 4-40X3/16 PHL PAN SS			
13	1	EA	1930020P043	0	SCREW MCH 6-32X1/2 100 DEG FLT PAN SS			
14	1	EA	1932002P002	0	WASHER FLAT NYLON #6			
501	1	EA	1000890-ASSY	G	HUB UP CONVERTER MODULE ASSY DWG			

LN#	PART#.....	REV	PM	QTY....	Bm.	DESC.....
					Um	
0	CMP0150A1X	XXXX1C	B	P	*1.00	EA 150W 90-264VAC, +5, +3.3, +12 -12
1	0	972015	G	M	0	EA PROD SPEC, CMP150A1
2	0	120543	B	M	0	EA OUTLINE, CMP150A1
3	0	142244	E	M	*1.00	EA ASY SHIPPING, CMP150A1
4	-1	142245	F	M	0	EA ASY SHIPPING REF, CMP150A1
5	-1	183521	C	M	*1.00	EA ASY FINAL,CMP150A1-1C
6	--2	183153	C	M	0	EA ASY FINAL REF, CMP150A1-2C
7	--2	155558	A	M	*1.00	EA ASY CHAS, CMP150A1-2C
8	---3	155559	A	M	0	EA ASY CHAS REF, CMP150A1-2C
9	---3	110332	C	P	1	EA CHAS, CMP150A1-2C
10	---3	110355	A	P	1	EA INSULTR FAB, NOMEX CHAS, CMP150A1-2C
11	---3	910084	A	P	12	IN TAPE,SCOTCH 1/2"W,TRANSFER,ADHSV
12	--2	155556	A	M	*1.00	EA ASY CVR, CMP150A1-2C
13	---3	155557	B	M	0	EA ASY CVR REF, CMP150A1-2C
14	---3	110333	D	P	1	EA CVR, CMP150A1-2C
15	---3	101239	A	P	1	EA INSULTR,NOMEX 1.90 X 3.40 X .005
16	---3	910084	A	P	9.8	IN TAPE,SCOTCH 1/2"W,TRANSFER,ADHSV
17	---3	110591	D	P	1	EA INSULTR, FAB, EMI, CMP150A1-1C
18	--2	156449	A	M	*1.00	EA ASY FRONT PANEL,CMP150A1-1C
19	---3	156450	A	M	0	EA ASY FRONT PANEL REF,CMP150A1-1C
20	---3	110334-1	D	P	1	EA HRDWR,PANEL FRONT
21	---3	927187	B	P	1	EA HRDWR,HNDL,PCI,TYPE-4,BOTTOM,BLK
22	---3	927257	A	P	1	EA HRDWR,GASKET,EMI CONTACT STRIP,3U
23	---3	851009	A	P	2	EA SCREW,POZIDRIVE,CR,M2.5x11,ST/ZN
24	--2	175052	G	M	*1.00	EA ASY PCB PWR,CMP150A1-2C
25	---3	603053	A	P	1	EA CAP,FILM,AXIAL,0.47UF,400V,10%
26	---3	605026	B	P	1	EA CAP,FILM,RAD,Y .001UF,250V,20%
27	---3	602371	B	P	1	EA CAP,ELEC,120UF,400V,105C,25 X 25
28	---3	602306	D	P	4	EA CAP,ELEC,3300UF,10V,105C,12.5 X 25
29	---3	602331	B	P	1	EA CAP,ELEC,47UF,25V,105C,6.3 X 11
30	---3	710363	A	P	1	EA DIODE,LED,YEL/GRN,DUAL,2MM,RA
31	---3	821161	B	P	1	EA CONN,HSNG,HDR,47T,RA,PCI
32	---3	210457	C	P	1	EA MAG,INDUCT;5V OUTPUT SP449-1A
33	---3	141907	B	M	*2.00	EA ASY MAG 2X406054 JMPR .250CC
34	---4	141904	A	M	0	EA ASY MAG REF, 406054/406076,JMPR .250CC
35	---4	406054	A	P	4	EA MAG,TOROID,IRON,0.26"OD,AL=57 NH/NN
36	---4	106839-8	B	M	*2.00	EA JUMPER 14GA, .25CC, .605H
37	---5	106839	M	M	0	EA JUMPER,REF BUS WIRE
38	---5	45142B	B	P	2.6	IN WIRE,BUS,14GA,TIN/COPPER
39	---4	930016	B	P	0.1	OZ ADHESIVE,USE W/JUMPR WIRE&TOROID
40	---4	930002	B	P	0.1	OZ ACCELERATOR, USE W/930001
41	---3	350036	A	P	1	EA MAG,INDTR,VERT,22uH,5A
42	---3	575100	C	P	1	EA RES,MO,2W,510 OHM,5%,T-73
43	---3	57100C	C	P	1	EA RES,MO,2W,0.1 OHM,5%,T-73
44	---3	587502	C	P	1	EA RES,MO,3W,75K-OHMS,5%,T-73
45	---3	357310-S	F	P	1	EA MAG,XFMR CURRENT LIMIT SEC
46	---3	360024-1	D	P	1	EA ASY HDR XFMR,FET DRIVE
47	---3	320890	E	P	1	EA MAG,XFMR DUAL SYNC SWITCH,SP417
48	---3	155562	B	M	*1.00	EA ASY HTSINK,110335,4XTO220,TO247,W/TUBE
49	---4	155737	B	M	0	EA ASY HTSINK REF, 110335,4xTO220, TO247
50	---4	110335	B	P	1	EA HTSINK, FAB, .125THK
51	---4	730025	D	P	1	EA IC,LIN,V-REG,15V,1A,TO-220
52	---4	720213	D	P	2	EA XSTR,N-FET,PWR,0.85@4A,500V,TO-220
53	---4	720238-C3	A	P	1	EA XSTR,N-FET,0.36@14.6A,500V,TO-247,NFN
54	---4	710462	A	P	1	EA DIODE,RECT,UF,8A,600V,TO-220

55	----	4	830033	A	P		4	EA	INSULTR,CASE,TO-220,0.866Lx0.017T
56	----	4	110240	B	M	*1.00		EA	INSULTR, CASE, TO247 1.00"L, .0196THK
57	----	5	830034	A	P		1		INSULTR,CASE,TO-247,1.08Lx0.0196T
58	----	4	106302	F	P		1	EA	MECH 3XTO220,.675CC,TAPPED
59	----	4	106157	E	P		1	EA	MECH TO220/TO218,.35/.45,TP
60	----	4	850608	B	P		3	EA	SCREW,FHP-UC,82o,6-32 X 1/2,ST/ZN
61	---	3	155564	B	M	*1.00		EA	ASY HTSINK,110336,4XTO247,2XTO220,W/IN
62	----	4	155736	B	M		0	EA	ASY HTSINK REF,110336,4XTO247,2XTO220
63	----	4	110336	A	P		1	EA	HTSINK, FAB, EXTR AAVID 80598
64	----	4	710288	E	P		4	EA	DIODE,RECT,SHTKY,40A,45V,TO-247
65	----	4	720383	C	P		2	EA	XSTR,N-FET,PWR,0.008@75A,55V,TO-220
66	----	4	840412B	A	P		2	EA	SCREW,PH,CR,SEM,4-40 X 3/4,SQ-CONE
67	----	4	840408B	A	P		1	EA	SCREW,PH,CR,SEM,4-40 X 1/2,SQ-CONE
68	----	4	801072	B	P		1	EA	STANDOFF,HEX 4-40x3/16HEXx1/8L,AL
69	----	4	880086	B	P		2	EA	NFN,WASHER,SHLDR,#4,0.245"OD,PPS
70	----	4	108925	A	P		2	EA	INSULTR FAB;K10 1.475 X .88 W/HOLE
71	----	4	860445	A	P		2	EA	NUT,KEP,STD,4-40,STL/ZN
72	---	3	155563	A	M	*1.00		EA	ASY HTSINK,110337,4XTO220,W/INS,CMP150
73	----	4	154705	A	M		0	EA	ASY HTSINK REF;108920 4XTO220 INS
74	----	4	110337	A	P		1	EA	HTSINK, FAB, EXTR AAVID 80598
75	----	4	710259	B	P		2	EA	DIODE,RECT,SHTKY 8A,100V,TO-220AC
76	----	4	720259	C	P		2	EA	XSTR,N-FET,PWR,0.18@10A,200V,TO-220
77	----	4	108926	A	P		2	EA	INSULTR FAB;K10 2.33 X 1.00 W/HOLE
78	----	4	840408B	A	P		2	EA	SCREW,PH,CR,SEM,4-40 X 1/2,SQ-CONE
79	----	4	801072	B	P		2	EA	STANDOFF,HEX 4-40x3/16HEXx1/8L,AL
80	----	4	880086	B	P		4	EA	NFN,WASHER,SHLDR,#4,0.245"OD,PPS
81	---	3	155561	A	M	*1.00		EA	ASY HTSINK,110338,4XTO220,W/INS,CMP150
82	----	4	155125	A	M		0	EA	ASY HTSINK,REF,108921,4XTO220,CMP150
83	----	4	110338	B	P		1	EA	HTSINK, FAB, EXTR AAVID 80598
84	----	4	720383	C	P		3	EA	XSTR,N-FET,PWR,0.008@75A,55V,TO-220
85	----	4	840405B	A	P		4	EA	SCREW,PH,CR,SEM,4-40 X 5/16,SQ-CONE
86	----	4	880086	B	P		4	EA	NFN,WASHER,SHLDR,#4,0.245"OD,PPS
87	----	4	109867	A	P		1	EA	INSULTR FAB K10 1.93X.88 W/HOLE
88	----	4	710245-C1	B	P		1	EA	DIODE,SHTKY,30A,25V,LOW VF,NFN
89	---	3	163475	A	P	*1.00		EA	ASY PCB CNTL;TOP_PFC (400) CMP150A1-2C
90	----	4	163476	A	M		0	EA	ASY PCB CNTL,REF;TOP_PFC (400) CMP150
91	----	4	192157	A	M		0	EA	SCHEM CNTL;PFC (400) CMP150A1-2C
92	----	4	163473	A	M	*1.00		EA	ASY PCB CNTL;BOT_PFC (400) CMP150A1-2C
93	----	5	163474	A	M		0	EA	ASY PCB CNTL,REF;BOT_PFC (400) CMP150
94	----	5	192157	A	M		0	EA	SCHEM CNTL;PFC (400) CMP150A1-2C
95	----	5	110299	A	P		1	EA	PCB CNTL;PFC (400) CMP150A1-2C
96	----	5	606062	D	P		1	EA	CAP,CER,SMD,X7R,2200PF,50V,10%,0805
97	----	5	606049	G	P		5	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
98	----	5	606068	D	P		4	EA	CAP,CER,SMD,NPO,1000PF,50V,5%,0805
99	----	5	606051	C	P		1	EA	CAP,CER,SMD,NPO,220PF,100V,5%,0805
100	----	5	606066	C	P		3	EA	CAP,CER,SMD,X7R,0.047UF,50V,10%,0805
101	----	5	606019	F	P		3	EA	CAP,CER,SMD,X7R,0.22UF,50V,10%,1206
102	----	5	606072	D	P		1	EA	CAP,CER,SMD,Y5V,1.0UF,25V,1206
103	----	5	710273	B	P		1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOT-23
104	----	5	710128	B	P		4	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
105	----	5	5H2552	A	P		1	EA	RES,SMD,1/10W,25.5K-OHMS,1%,0805
106	----	5	5H1003	A	P		2	EA	RES,SMD,1/10W,100K-OHMS,1%,0805
107	----	5	5H1332	A	P		1	EA	RES,SMD,1/10W,13.3K-OHMS,1%,0805
108	----	5	5H1002	A	P		4	EA	RES,SMD,1/10W,10.0K-OHMS,1%,0805
109	----	5	5H3322	A	P		1	EA	RES,SMD,1/10W,33.2K-OHMS,1%,0805
110	----	5	5A2321	A	P		1	EA	RES,SMD,1/4W,2.32K-OHMS,1%,1206
111	----	5	5H2492	A	P		1	EA	RES,SMD,1/10W,24.9K-OHMS,1%,0805

112	----5	5H3651	A	P		2	EA	RES,SMD,1/10W,3.65K-OHMS,1%,0805
113	----5	5H2001	A	P		2	EA	RES,SMD,1/10W,2.0K-OHMS,1%,0805
114	----5	5B100A	A	P		1	EA	RES,SMD,1/4W,10.0-OHMS,1%,1210
115	----5	5A3323	A	P		6	EA	RES,SMD,1/4W,332K-OHMS,1%,1206
116	----5		0	M	*1.00		EA	NOT_USED
117	----5		606089	B	P	1	EA	CAP,CER,SMD,X7R,4.7UF,16V,10%,1210
118	----5		606030	D	P	1	EA	CAP,CER,SMD,NPO,1000PF,50V,5%,1206
119	----5	5H4022	A	P		1	EA	RES,SMD,1/10W,40.2K-OHMS,1%,0805
120	----5	5H7151	A	P		1	EA	RES,SMD,1/10W,7.15K-OHMS,1%,0805
121	----5	5H2553	A	P		1	EA	RES,SMD,1/10W,255K-OHMS,1%,0805
122	----5		730316	A	P	1	EA	IC,LIN,SMD,VREF,2.5/20V,1%,SOT-23
123	----5	5H6192	A	P		1	EA	RES,SMD,1/10W,61.9K-OHMS,1%,0805
124	----5		710221	B	P	1	EA	DIODE,ZENER,SMD,18V,0.225W,SOT-23
125	----5		606024	D	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
126	----5		606065	D	P	1	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,0805
127	----4		606049	G	P	3	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
128	----4		608002	C	P	1	EA	CAP,ELEC,SMD,10UF,35V,5 X 5.5
129	----4		606015	D	P	1	EA	CAP,CER,SMD,NPO,220PF,100V,10%,1206
130	----4		710128	B	P	5	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
131	----4		720321	C	P	1	EA	XSTR,NPN,3A,45V,SMD,SOT223
132	----4		720320	C	P	1	EA	XSTR,PNP,-3A,-45V,SMD,SOT223
133	----4		720274	B	P	1	EA	XSTR,N-FET,SMD,5.0@0.2A,60V,SOT23
134	----4	5H1001	A	P		1	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
135	----4	5H1002	A	P		1	EA	RES,SMD,1/10W,10.0K-OHMS,1%,0805
136	----4	5H2871	A	P		1	EA	RES,SMD,1/10W,2.87K-OHMS,1%,0805
137	----4	5A3323	A	P		3	EA	RES,SMD,1/4W,332K-OHMS,1%,1206
138	----4	5A2873	A	P		3	EA	RES,SMD,1/4W,287K-OHMS,1%,1206
139	----4	5A1213	A	P		3	EA	RES,SMD,1/4W,121K-OHMS,1%,1206
140	----4	5H1152	A	P		1	EA	RES,SMD,1/10W,11.5K-OHMS,1%,0805
141	----4	5H2492	A	P		1	EA	RES,SMD,1/10W,24.9K-OHMS,1%,0805
142	----4	5A100A	A	P		1	EA	RES,SMD,1/4W,10-OHMS,1%,1206
143	----4		730277-C2	B	P	2	EA	IC,OPTO,ISOLATOR,XSTR,SMD,NFN
144	----4		730281	A	P	1	EA	IC,LIN,SMD,PFC,SO-20
145	----4		730287	B	P	1	EA	IC,LIN,SMD,QUAD-COMP,LOW-PWR,SO-14
146	----4		730194	B	P	1	EA	IC,LIN,SMD,PWM,CURR-MODE CNTL,SO-8
147	----4		710219	B	P	1	EA	DIODE,ZENER,SMD,15V,0.225W,SOT-23
148	----4		720052	C	P	3	EA	XSTR,N-FET,SS,7.5@0.5A,60V,SOT-23
149	----4		710313	A	P	1	EA	DIODE,SHTKY,SMD,70V,15MA,SOT-23
150	----4	5H4021	A	P		1	EA	RES,SMD,1/10W,4.02K-OHMS,1%,0805
151	----4	5H2002	A	P		1	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805
152	----4		606019	F	P	1	EA	CAP,CER,SMD,X7R,0.22UF,50V,10%,1206
153	----4		0	M	*2.00		EA	NOT_USED
154	----4	5H2001	A	P		1	EA	RES,SMD,1/10W,2.0K-OHMS,1%,0805
155	----4	5H2102	A	P		1	EA	RES,SMD,1/10W,21.0K-OHMS,1%,0805
156	---3		163493	C	P	*1.00	EA	ASY PCB CNTL;TOP_3.3V (500) CMP150A1
157	----4		608005	D	P	3	EA	CAP,ELEC,SMD,10UF,35V,105C,5 X 6
158	----4		606049	G	P	3	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
159	----4		606024	D	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
160	----4		606053	C	P	1	EA	CAP,CER,SMD,X7R,1000PF,50V,10%,0805
161	----4	5H2552	A	P		1	EA	RES,SMD,1/10W,25.5K-OHMS,1%,0805
162	----4	5H2001	A	P		1	EA	RES,SMD,1/10W,2.0K-OHMS,1%,0805
163	----4	5H1741	A	P		1	EA	RES,SMD,1/10W,1.74K-OHMS,1%,0805
164	----4	5D1001	A	P		1	EA	RES,SMD,1/2W,1.0K-OHMS,5%,2010
165	----4	5H5111	A	P		2	EA	RES,SMD,1/10W,5.11K-OHMS,1%,0805
166	----4	5H499A	A	P		1	EA	RES,SMD,1/10W,49.9-OHMS,1%,0805
167	----4		500230	E	P	1	EA	POT,SIDE ADJ,SMD,1K-OHMS,20%,1-TURN
168	----4	5H1000	A	P		3	EA	RES,SMD,1/10W,100-OHMS,1%,0805

169	----4	5H5362	A	P	1	EA	RES,SMD,1/10W,53.6K-OHMS,1%,0805
170	----4	5H3011	A	P	1	EA	RES,SMD,1/10W,3.01K-OHMS,1%,0805
171	----4	5H2002	A	P	1	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805
172	----4	5H1622	A	P	1	EA	RES,SMD,1/10W,16.2K-OHMS,1%,0805
173	----4	5H3322	A	P	3	EA	RES,SMD,1/10W,33.2K-OHMS,1%,0805
174	----4	5H1152	A	P	1	EA	RES,SMD,1/10W,11.5K-OHMS,1%,0805
175	----4	5H100A	A	P	1	EA	RES,SMD,1/10W,10.0-OHMS,1%,0805
176	----4	5H0000	C	P	2	EA	RES,SMD,1/10W,0-OHMS,1%,0805
177	----4	5H1001	A	P	1	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
178	----4	5H9530	A	P	1	EA	RES,SMD,1/10W,953-OHMS,1%,0805
179	----4	5H4754	A	P	1	EA	RES,SMD,1/10W,4.75M-OHMS,1%,0805
180	----4	5H1101	A	P	1	EA	RES,SMD,1/10W,1.10K-OHMS,1%,0805
181	----4	163494	A	M	0	EA	ASY PCB CNTL REF;TOP_5V/3.3V (500)
182	----4	192158	B	M	0	EA	SCHEM CNTL;5V/3.3V CMP150A1-2C
183	----4	163483	B	M	*1.00	EA	ASY PCB CNTL,BOT 3.3V(500)CMP150A1-2C
184	----5	606049	G	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
185	----5	0	M	*6.00	EA	NOT_USED	
186	----5	606024	D	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
187	----5	5H1002	A	P	3	EA	RES,SMD,1/10W,10.0K-OHMS,1%,0805
188	----5	5H3320	A	P	2	EA	RES,SMD,1/10W,332-OHMS,1%,0805
189	----5	5B100A	A	P	1	EA	RES,SMD,1/4W,10.0-OHMS,1%,1210
190	----5	5H1001	A	P	7	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
191	----5	5A619B	A	P	1	EA	RES,SMD,1/4W,6.19-OHMS,1%,1206
192	----5	5H9090	A	P	1	EA	RES,SMD,1/10W,909-OHMS,1%,0805
193	----5	5H0000	C	P	1	EA	RES,SMD,1/10W,0-OHMS,1%,0805
194	----5	5H7502	A	P	1	EA	RES,SMD,1/10W,75K-OHMS,1%,0805
195	----5	5H2002	A	P	1	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805
196	----5	606044	D	P	2	EA	CAP,CER,SMD,X7R,4700PF,50V,10%,0805
197	----5	606031	C	P	1	EA	CAP,CER,SMD,NPO,100PF,200V,10%,1206
198	----5	606030	D	P	1	EA	CAP,CER,SMD,NPO,1000PF,50V,5%,1206
199	----5	606050	D	P	1	EA	CAP,CER,SMD,X7R,4700PF,100V,10%,1206
200	----5	606019	F	P	2	EA	CAP,CER,SMD,X7R,0.22UF,50V,10%,1206
201	----5	606065	D	P	2	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,0805
202	----5	606035	D	P	1	EA	CAP,CER,SMD,X7R,0.047UF,50V,10%,1206
203	----5	606093	B	P	1	EA	CAP,CER,SMD,Y5V,10UF,10V,1206
204	----5	606034	D	P	1	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,1206
205	----5	5G470B	A	P	1	EA	RES,SMD,1/4W,4.7-OHMS,5%,1210
206	----5	5D5100	A	P	1	EA	RES,SMD,1/2W,510-OHMS,5%,2010
207	----5	5H5111	A	P	1	EA	RES,SMD,1/10W,5.11K-OHMS,1%,0805
208	----5	5H3011	A	P	1	EA	RES,SMD,1/10W,3.01K-OHMS,1%,0805
209	----5	5B6191	A	P	1	EA	RES,SMD,1/4W,6.19K-OHMS,1%,1210
210	----5	5H1502	A	P	3	EA	RES,SMD,1/10W,15.0K-OHMS,1%,0805
211	----5	5H2551	A	P	1	EA	RES,SMD,1/10W,2.55K-OHMS,1%,0805
212	----5	5H3321	A	P	1	EA	RES,SMD,1/10W,3.32K-OHMS,1%,0805
213	----5	5A100A	A	P	1	EA	RES,SMD,1/4W,10-OHMS,1%,1206
214	----5	163481	A	M	0	EA	ASY PCB CNTL REF;BOT 5V/3.3V (500)
215	----5	192158	B	M	0	EA	SCHEM CNTL;5V/3.3V CMP150A1-2C
216	----5	110300	B	P	1	EA	PCB CNTL;5V/3.3V CMP150A1-2C
217	----5	710128	B	P	4	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
218	----5	710227	B	P	1	EA	DIODE,ZENER,SMD,6.2V,0.225W,5%,SOT-23
219	----5	720222	B	P	1	EA	XSTR,SS,NPN,SMD 0.5A,40V,SOT-23
220	----5	720320	C	P	1	EA	XSTR,PNP,-3A,-45V,SMD,SOT223
221	----5	710273	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOT-23
222	----5	710234	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOD-80
223	----5	720052	C	P	1	EA	XSTR,N-FET,SS,7.5@0.5A,60V,SOT-23
224	----4	710204	C	P	1	EA	DIODE,ZENER,SMD,5.1V,0.225W,SOT-23
225	----4	710273	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOT-23

226	----	4	710128	B	P	2	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
227	----	4	720222	B	P	2	EA	XSTR,SS,NPN,SMD 0.5A,40V,SOT-23
228	----	4	720321	C	P	1	EA	XSTR,NPN,3A,45V,SMD,SOT223
229	----	4	720223	B	P	1	EA	XSTR,SS,PNP,SMD 0.5A,60V,SOT-23
230	----	4	730150	C	P	1	EA	IC,LIN,SMD,SNGL-COMPRTR,SO-8
231	----	4	730175	C	P	3	EA	IC,LIN,SMD,DUAL OP-AMP,SO-8
232	----	4	730176	B	P	1	EA	IC,LIN,VREF,SMD 2.5/36V,1%,SOP-8
233	---	3	163495	D	P	*1.00	EA	ASY PCB CNTL;TOP_5V (500) CMP150A1-2C
234	----	4	608005	D	P	3	EA	CAP,ELEC,SMD,10UF,35V,105C,5 X 6
235	----	4	606049	G	P	3	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
236	----	4	606024	D	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
237	----	4	606053	C	P	1	EA	CAP,CER,SMD,X7R,1000PF,50V,10%,0805
238	----	4	5H2552	A	P	1	EA	RES,SMD,1/10W,25.5K-OHMS,1%,0805
239	----	4	5H2001	A	P	1	EA	RES,SMD,1/10W,2.0K-OHMS,1%,0805
240	----	4	5H1741	A	P	1	EA	RES,SMD,1/10W,1.74K-OHMS,1%,0805
241	----	4	5D1001	A	P	1	EA	RES,SMD,1/2W,1.0K-OHMS,5%,2010
242	----	4	5H5111	A	P	1	EA	RES,SMD,1/10W,5.11K-OHMS,1%,0805
243	----	4	5H1000	A	P	4	EA	RES,SMD,1/10W,100-OHMS,1%,0805
244	----	4	500230	E	P	1	EA	POT,SIDE ADJ,SMD,1K-OHMS,20%,1-TURN
245	----	4	5H8252	A	P	1	EA	RES,SMD,1/10W,82.5K-OHMS,1%,0805
246	----	4	5H3011	A	P	1	EA	RES,SMD,1/10W,3.01K-OHMS,1%,0805
247	----	4	5H2002	A	P	1	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805
248	----	4	5H1622	A	P	1	EA	RES,SMD,1/10W,16.2K-OHMS,1%,0805
249	----	4	5H3322	A	P	3	EA	RES,SMD,1/10W,33.2K-OHMS,1%,0805
250	----	4	5H1502	A	P	1	EA	RES,SMD,1/10W,15.0K-OHMS,1%,0805
251	----	4	5H100A	A	P	1	EA	RES,SMD,1/10W,10.0-OHMS,1%,0805
252	----	4	5H0000	C	P	2	EA	RES,SMD,1/10W,0-OHMS,1%,0805
253	----	4	5H1001	A	P	1	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
254	----	4	5H6191	A	P	1	EA	RES,SMD,1/10W,6.19K-OHMS,1%,0805
255	----	4	5H9530	A	P	1	EA	RES,SMD,1/10W,953-OHMS,1%,0805
256	----	4	0	M	*1.00	EA	NOT_USED	
257	----	4	5H1101	A	P	1	EA	RES,SMD,1/10W,1.10K-OHMS,1%,0805
258	----	4	163494	A	M	0	EA	ASY PCB CNTL REF;TOP_5V/3.3V (500)
259	----	4	192158	B	M	0	EA	SCHEM CNTL;5V/3.3V CMP150A1-2C
260	----	4	163480	C	M	*1.00	EA	ASY PCB CNTL;BOT 5V (500) CMP150A1-2C
261	----	5	606031	C	P	1	EA	CAP,CER,SMD,NPO,100PF,200V,10%,1206
262	----	5	606030	D	P	1	EA	CAP,CER,SMD,NPO,1000PF,50V,5%,1206
263	----	5	606035	D	P	1	EA	CAP,CER,SMD,X7R,0.047UF,50V,10%,1206
264	----	5	606019	F	P	2	EA	CAP,CER,SMD,X7R,0.22UF,50V,10%,1206
265	----	5	606049	G	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
266	----	5	606053	C	P	1	EA	CAP,CER,SMD,X7R,1000PF,50V,10%,0805
267	----	5	606034	D	P	1	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,1206
268	----	5	606024	D	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
269	----	5	606065	D	P	1	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,0805
270	----	5	5D5100	A	P	1	EA	RES,SMD,1/2W,510-OHMS,5%,2010
271	----	5	5H5111	A	P	2	EA	RES,SMD,1/10W,5.11K-OHMS,1%,0805
272	----	5	5H1001	A	P	6	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
273	----	5	5H1002	A	P	3	EA	RES,SMD,1/10W,10.0K-OHMS,1%,0805
274	----	5	5B6191	A	P	1	EA	RES,SMD,1/4W,6.19K-OHMS,1%,1210
275	----	5	5H1372	A	P	1	EA	RES,SMD,1/10W,13.7K-OHMS,1%,0805
276	----	5	5H1101	A	P	1	EA	RES,SMD,1/10W,1.10K-OHMS,1%,0805
277	----	5	5A100A	A	P	2	EA	RES,SMD,1/4W,10-OHMS,1%,1206
278	----	5	5H3321	A	P	1	EA	RES,SMD,1/10W,3.32K-OHMS,1%,0805
279	----	5	5H3011	A	P	1	EA	RES,SMD,1/10W,3.01K-OHMS,1%,0805
280	----	5	5G470B	A	P	1	EA	RES,SMD,1/4W,4.7-OHMS,5%,1210
281	----	5	0	M	*5.00	EA	NOT_USED	
282	----	5	606093	B	P	1	EA	CAP,CER,SMD,Y5V,10UF,10V,1206

283	----5	5H1502	A	P	2	EA	RES,SMD,1/10W,15.0K-OHMS,1%,0805	
284	----5		606044	D	P	2	EA	CAP,CER,SMD,X7R,4700PF,50V,10%,0805
285	----5	5H3320	A	P	2	EA	RES,SMD,1/10W,332-OHMS,1%,0805	
286	----5	5B100A	A	P	1	EA	RES,SMD,1/4W,10.0-OHMS,1%,1210	
287	----5	5H1471	A	P	1	EA	RES,SMD,1/10W,1.47K-OHMS,1%,0805	
288	----5	5H0000	C	P	1	EA	RES,SMD,1/10W,0-OHMS,1%,0805	
289	----5	5H2002	A	P	1	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805	
290	----5	5H7502	A	P	1	EA	RES,SMD,1/10W,75K-OHMS,1%,0805	
291	----5		606016	D	P	1	EA	CAP,CER,SMD,X7R,4700PF,50V,10%,1206
292	----5		606066	C	P	1	EA	CAP,CER,SMD,X7R,0.047UF,50V,10%,0805
293	----5		163481	A	M	0	EA	ASY PCB CNTL REF;BOT 5V/3.3V (500)
294	----5		192158	B	M	0	EA	SCHEM CNTL;5V/3.3V CMP150A1-2C
295	----5		110300	B	P	1	EA	PCB CNTL;5V/3.3V CMP150A1-2C
296	----5		710128	B	P	4	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
297	----5		710234	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOD-80
298	----5		720052	C	P	1	EA	XSTR,N-FET,SS,7.5@0.5A,60V,SOT-23
299	----5		710262	B	P	1	EA	DIODE,ZENER,SMD,7.5V,0.225W,5%,SOT-23
300	----5		720222	B	P	1	EA	XSTR,SS,NPN,SMD 0.5A,40V,SOT-23
301	----5		720320	C	P	1	EA	XSTR,PNP,-3A,-45V,SMD,SOT223
302	----5		710273	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOT-23
303	----4		710204	C	P	1	EA	DIODE,ZENER,SMD,5.1V,0.225W,SOT-23
304	----4		710273	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOT-23
305	----4		710128	B	P	2	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
306	----4		720222	B	P	2	EA	XSTR,SS,NPN,SMD 0.5A,40V,SOT-23
307	----4		720321	C	P	1	EA	XSTR,NPN,3A,45V,SMD,SOT223
308	----4		720223	B	P	1	EA	XSTR,SS,PNP,SMD 0.5A,60V,SOT-23
309	----4		730150	C	P	1	EA	IC,LIN,SMD,SNGL-COMPRTR,SO-8
310	----4		730175	C	P	3	EA	IC,LIN,SMD,DUAL OP-AMP,SO-8
311	----4		730176	B	P	1	EA	IC,LIN,VREF,SMD 2.5/36V,1%,SOP-8
312	---3		602165	D	P	1	EA	CAP,ELEC,220UF,25V,105C,8 X 15
313	---3		210421	D	P	1	EA	MAG INDUCT,3.3V OUTPUT SP417
314	---3		602302	C	P	2	EA	CAP,ELEC,560UF,35V,105C,10 X 25
315	---3		602173	E	P	1	EA	CAP,ELEC,47UF,63V,105C,8 X 12
316	---3		210479	A	P	1	EA	MAG, INDUCT, 200W PFC CHOKE, CMP150
317	---3		210825	B	P	1	EA	MAG INDUCT; 12V,6A,DMP200A1-1A
318	---3		175053	E	M	0	EA	ASY PCB PWR,REF,CMP150A1-2C
319	---3		192161	F	M	0	EA	SCHEM PWR;CMP150
320	---3		131312	M	P	**1.00	EA	ASY PCB SMD, TOP_PWR, CMP150A1-2C
321	----4		606060	C	P	2	EA	CAP,CER,SMD,NPO,220PF,1000V,10%,1808
322	----4		606014	D	P	3	EA	CAP,CER,SMD,NPO,2200PF,100V,10%,1206
323	----4		606074	C	P	4	EA	CAP,CER,SMD,X7R,0.047UF,100V,10%,1206
324	----4		606089	B	P	3	EA	CAP,CER,SMD,X7R,4.7UF,16V,10%,1210
325	----4		606024	D	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
326	----4		606029	D	P	1	EA	CAP,CER,SMD,NPO,470PF,100V,10%,1206
327	----4		606045	B	P	1	EA	CAP,CER,SMD,X7R,0.1UF,50V,1206,NFN
328	----4		606049	G	P	12	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
329	----4		606034	D	P	3	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,1206
330	----4		606042	C	P	2	EA	CAP,CER,SMD,X7R,0.01UF,50V,20%,0805
331	----4		606019	F	P	2	EA	CAP,CER,SMD,X7R,0.22UF,50V,10%,1206
332	----4		606072	D	P	3	EA	CAP,CER,SMD,Y5V,1.0UF,25V,1206
333	----4	606042-C1	C	P	1	EA	CAP,CER,SMD,X7R,0.01UF,50V,10%,0805	
334	----4		0	M	*5.00	EA	NOT_USED	
335	----4	5B100A	A	P	4	EA	RES,SMD,1/4W,10.0-OHMS,1%,1210	
336	----4	5H3321	A	P	2	EA	RES,SMD,1/10W,3.32K-OHMS,1%,0805	
337	----4	5A3011	A	P	1	EA	RES,SMD,1/4W,3.01K OHMS,1%,1206	
338	----4	5E110A	A	P	3	EA	RES,SMD,1W,11.0-OHMS,5%,2512	
339	----4	5D390A	A	P	1	EA	RES,SMD,1/2W,39-OHMS,5%,2010	

340	----	4	5H1102	A	P	2	EA	RES,SMD,1/10W,11.0K-OHMS,1%,0805
341	----	4	5H1002	A	P	11	EA	RES,SMD,1/10W,10.0K-OHMS,1%,0805
342	----	4	5H2001	A	P	2	EA	RES,SMD,1/10W,2.0K-OHMS,1%,0805
343	----	4	5H3011	A	P	1	EA	RES,SMD,1/10W,3.01K-OHMS,1%,0805
344	----	4	5H1502	A	P	2	EA	RES,SMD,1/10W,15.0K-OHMS,1%,0805
345	----	4	5H3922	A	P	1	EA	RES,SMD,1/10W,39.2K-OHMS,1%,0805
346	----	4	5H1272	A	P	1	EA	RES,SMD,1/10W,12.7K-OHMS,1%,0805
347	----	4	5H3320	A	P	1	EA	RES,SMD,1/10W,332-OHMS,1%,0805
348	----	4	5H1001	A	P	6	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
349	----	4	500230	E	P	2	EA	POT,SIDE ADJ,SMD,1K-OHMS,20%,1-TURN
350	----	4	5H1621	A	P	2	EA	RES,SMD,1/10W,1.62K-OHMS,1%,0805
351	----	4	5H301A	A	P	1	EA	RES,SMD,1/10W,30.1-OHMS,1%,0805
352	----	4	5H499A	A	P	1	EA	RES,SMD,1/10W,49.9-OHMS,1%,0805
353	----	4	5E510B	A	P	1	EA	RES,SMD,1W,5.1-OHMS,5%,2512
354	----	4	5B1301	A	P	2	EA	RES,SMD,1/4W,1.30K-OHMS,1%,1210
355	----	4	5H2211	A	P	1	EA	RES,SMD,1/10W,2.21K-OHMS,1%,0805
356	----	4	5H7503	A	P	2	EA	RES,SMD,1/10W,750K-OHMS,1%,0805
357	----	4	5H5110	A	P	3	EA	RES,SMD,1/10W,511-OHMS,1%,0805
358	----	4	5H5111	A	P	5	EA	RES,SMD,1/10W,5.11K-OHMS,1%,0805
359	----	4	606055	D	P	1	EA	CAP,CER,SMD,NPO,470PF,500V,10%,1206
360	----	4	5H1692	A	P	1	EA	RES,SMD,1/10W,16.9K-OHMS,1%,0805
361	----	4	5H3093	A	P	1	EA	RES,SMD,1/10W,309K-OHMS,1%,0805
362	----	4	5H2003	A	P	1	EA	RES,SMD,1/10W,200K-OHMS,1%,0805
363	----	4	5H2002	A	P	2	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805
364	----	4	5A3321	A	P	1	EA	RES,SMD,1/4W,3.32K-OHMS,1%,1206
365	----	4	5H4992	A	P	1	EA	RES,SMD,1/10W,49.9K-OHMS,1%,0805
366	----	4	5A200A	A	P	1	EA	RES,SMD,1/4W,20-OHMS,1%,1206
367	----	4	5H5112	A	P	1	EA	RES,SMD,1/10W,51.1K-OHMS,1%,0805
368	----	4	5H3323	A	P	1	EA	RES,SMD,1/10W,332K-OHMS,1%,0805
369	----	4	5H2872	A	P	1	EA	RES,SMD,1/10W,28.7K-OHMS,1%,0805
370	----	4	5H2871	A	P	1	EA	RES,SMD,1/10W,2.87K-OHMS,1%,0805
371	----	4	5H2491	A	P	1	EA	RES,SMD,1/10W,2.49K-OHMS,1%,0805
372	----	4	5H6491	A	P	1	EA	RES,SMD,1/10W,6.49K-OHMS,1%,0805
373	----	4	606093	B	P	1	EA	CAP,CER,SMD,Y5V,10UF,10V,1206
374	----	4	5B2000	A	P	1	EA	RES,SMD,1/4W,200-OHMS,1%,1210
375	----	4	5H9531	A	P	1	EA	RES,SMD,1/10W,9.53K-OHMS,1%,0805
376	----	4	5H2492	A	P	1	EA	RES,SMD,1/10W,24.9K-OHMS,1%,0805
377	----	4	131313	A	P	0.0**	EA	ASY PCB SMD,REF;TOP_PWR,CMP150A1-2C
378	----	4	192161	F	M	0	EA	SCHEM PWR;CMP150
379	----	4	131314	M	M	*1.00	EA	ASY PCB SMD,BOT_PWR,CMP150A1
380	----	5	606014	D	P	4	EA	CAP,CER,SMD,NPO,2200PF,100V,10%,1206
381	----	5	606072	D	P	3	EA	CAP,CER,SMD,Y5V,1.0UF,25V,1206
382	----	5	606049	G	P	7	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,0805
383	----	5	606030	D	P	6	EA	CAP,CER,SMD,NPO,1000PF,50V,5%,1206
384	----	5	606042	C	P	3	EA	CAP,CER,SMD,X7R,0.01UF,50V,20%,0805
385	----	5	606066	C	P	2	EA	CAP,CER,SMD,X7R,0.047UF,50V,10%,0805
386	----	5	5E110A	A	P	3	EA	RES,SMD,1W,11.0-OHMS,5%,2512
387	----	5	5H1002	A	P	12	EA	RES,SMD,1/10W,10.0K-OHMS,1%,0805
388	----	5	5H5111	A	P	11	EA	RES,SMD,1/10W,5.11K-OHMS,1%,0805
389	----	5	5H1001	A	P	5	EA	RES,SMD,1/10W,1.0K-OHMS,1%,0805
390	----	5	5H2001	A	P	8	EA	RES,SMD,1/10W,2.0K-OHMS,1%,0805
391	----	5	5H3011	A	P	1	EA	RES,SMD,1/10W,3.01K-OHMS,1%,0805
392	----	5	5H2213	A	P	2	EA	RES,SMD,1/10W,221K-OHMS,1%,0805
393	----	5	5H3320	A	P	3	EA	RES,SMD,1/10W,332-OHMS,1%,0805
394	----	5	606024	D	P	10	EA	CAP,CER,SMD,X7R,0.1UF,50V,10%,1206
395	----	5	606060	C	P	1	EA	CAP,CER,SMD,NPO,220PF,1000V,10%,1808
396	----	5	606089	B	P	1	EA	CAP,CER,SMD,X7R,4.7UF,16V,10%,1210

397	----	5	606055	D	P	2	EA	CAP,CER,SMD,NPO,470PF,500V,10%,1206
398	----	5	606015	D	P	2	EA	CAP,CER,SMD,NPO,220PF,100V,10%,1206
399	----	5	606034	D	P	1	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,1206
400	----	5	606019	F	P	1	EA	CAP,CER,SMD,X7R,0.22UF,50V,10%,1206
401	----	5	5B100A	A	P	1	EA	RES,SMD,1/4W,10.0-OHMS,1%,1210
402	----	5	5B1001	A	P	1	EA	RES,SMD,1/4W,1.0K-OHMS,1%,1210
403	----	5	5A100A	A	P	5	EA	RES,SMD,1/4W,10-OHMS,1%,1206
404	----	5	5A301A	A	P	1	EA	RES,SMD,1/4W,30.1-OHMS,1%,1206
405	----	5	5G510B	A	P	6	EA	RES,SMD,1/4W,5.1-OHMS,5%,1210
406	----	5	5H3321	A	P	3	EA	RES,SMD,1/10W,3.32K-OHMS,1%,0805
407	----	5	5H0000	C	P	3	EA	RES,SMD,1/10W,0-OHMS,1%,0805
408	----	5	5D1000	A	P	1	EA	RES,SMD,1/2W,100-OHMS,5%,2010
409	----	5	500295	B	P	2	EA	RES,SMD,SHUNT,0.001-OHM,3W,5%
410	----	5	5E510A	A	P	4	EA	RES,SMD,1W,51-OHMS,5%,2512
411	----	5	5B1301	A	P	2	EA	RES,SMD,1/4W,1.30K-OHMS,1%,1210
412	----	5	500277	C	P	2	EA	RES,SMD,1W,0.01-OHM,1%,2512
413	----	5	5H4992	A	P	3	EA	RES,SMD,1/10W,49.9K-OHMS,1%,0805
414	----	5	5H3013	A	P	2	EA	RES,SMD,1/10W,301K-OHMS,1%,0805
415	----	5	5H5112	A	P	1	EA	RES,SMD,1/10W,51.1K-OHMS,1%,0805
416	----	5	5A2872	A	P	2	EA	RES,SMD,1/4W,28.7K-OHMS,1%,1206
417	----	5	5H1000	A	P	4	EA	RES,SMD,1/10W,100-OHMS,1%,0805
418	----	5	5A200A	A	P	1	EA	RES,SMD,1/4W,20-OHMS,1%,1206
419	----	5	5A6191	A	P	1	EA	RES,SMD,1/4W,6.19K-OHMS,1%,1206
420	----	5	5A2001	A	P	1	EA	RES,SMD,1/4W,2.0K-OHMS,1%,1206
421	----	5	5H2211	A	P	1	EA	RES,SMD,1/10W,2.21K-OHMS,1%,0805
422	----	5	5H5110	A	P	1	EA	RES,SMD,1/10W,511-OHMS,1%,0805
423	----	5	606093	B	P	1	EA	CAP,CER,SMD,Y5V,10UF,10V,1206
424	----	5	5H9531	A	P	1	EA	RES,SMD,1/10W,9.53K-OHMS,1%,0805
425	----	5	5H2002	A	P	3	EA	RES,SMD,1/10W,20.0K-OHMS,1%,0805
426	----	5	5H3010	A	P	2	EA	RES,SMD,1/10W,301-OHMS,1%,0805
427	----	5	5H1004	A	P	1	EA	RES,SMD,1/10W,1.0M-OHMS,1%,0805
428	----	5	5H511A	A	P	1	EA	RES,SMD,1/10W,51.1-OHMS,1%,0805
429	----	5	606065	D	P	1	EA	CAP,CER,SMD,X7R,0.022UF,50V,10%,0805
430	----	5	500297	C	P	1	EA	RES,SMD,1W,0.02-OHM,1%,2512
431	----	5	5H3322	A	P	2	EA	RES,SMD,1/10W,33.2K-OHMS,1%,0805
432	----	5	606029	D	P	1	EA	CAP,CER,SMD,NPO,470PF,100V,10%,1206
433	----	5	606053	C	P	1	EA	CAP,CER,SMD,X7R,1000PF,50V,10%,0805
434	----	5	5B1503	A	P	3	EA	RES,SMD,1/4W,150K-OHMS,1%,1210
435	----	5	5H1502	A	P	3	EA	RES,SMD,1/10W,15.0K-OHMS,1%,0805
436	----	5	5H5113	A	P	1	EA	RES,SMD,1/10W,511K-OHMS,1%,0805
437	----	5	5B825A	A	P	1	EA	RES,SMD,1/4W,82.5-OHMS,1%,1210
438	----	5	5H2003	A	P	1	EA	RES,SMD,1/10W,200K-OHMS,1%,0805
439	----	5	606064	D	P	1	EA	CAP,CER,SMD,X7R,2200PF,100V,10%,0805
440	----	5	5H1872	A	P	1	EA	RES,SMD,1/10W,18.7K-OHMS,1%,0805
441	----	5	5H2492	A	P	1	EA	RES,SMD,1/10W,24.9K-OHMS,1%,0805
442	----	5	5H1500	A	P	1	EA	RES,SMD,1/10W,150-OHMS,1%,0805
443	----	5	0		M	*6.00	EA	NOT_USED
444	----	5	131315	E	M	0	EA	ASY PCB SMD,REF;BOT_PWR,CMP150A1
445	----	5	192161	F	M	0	EA	SCHEM PWR;CMP150
446	----	5	110311	H	P	1	EA	PCB PWR;CMP150
447	----	5	710128	B	P	13	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
448	----	5	710234	B	P	2	EA	DIODE,SHTKY,SMD,0.2A,30V,SOD-80
449	----	5	710204	C	P	2	EA	DIODE,ZENER,SMD,5.1V,0.225W,SOT-23
450	----	5	710219	B	P	1	EA	DIODE,ZENER,SMD,15V,0.225W,SOT-23
451	----	5	720052-C1	B	P	1	EA	XSTR,FET,SS,NCE,7.5@0.5A,60V,SOT-23
452	----	5	730175	C	P	1	EA	IC,LIN,SMD,DUAL OP-AMP,SO-8
453	----	5	710266	B	P	5	EA	DIODE,RECT,FR,1A,200V,35NS,SMB,SMD

454	----	5	710268	C	P	3	EA	DIODE,RECT,SMD,FR,3A,200V,35NS,SMC
455	----	5	710273	B	P	1	EA	DIODE,SHTKY,SMD,0.2A,30V,SOT-23
456	----	5	710227	B	P	1	EA	DIODE,ZENER,SMD,6.2V,0.225W,5%,SOT-23
457	----	5	720294	B	P	1	EA	XSTR,PWR,NPN,SMD 3A,40V,D-PAK
458	----	5	720293	B	P	1	EA	XSTR,PWR,PNP,SMD,3A,40V,D-PAK
459	----	5	720222	B	P	4	EA	XSTR,SS,NPN,SMD 0.5A,40V,SOT-23
460	----	5	720223	B	P	4	EA	XSTR,SS,PNP,SMD 0.5A,60V,SOT-23
461	----	5	730150	C	P	2	EA	IC,LIN,SMD,SNGL-COMPRTR,SO-8
462	----	5	720052	C	P	3	EA	XSTR,N-FET,SS,7.5@0.5A,60V,SOT-23
463	----	4	710266	B	P	1	EA	DIODE,RECT,FR,1A,200V,35NS,SMB,SMD
464	----	4	710227	B	P	1	EA	DIODE,ZENER,SMD,6.2V,0.225W,5%,SOT-23
465	----	4	710128	B	P	10	EA	DIODE,SIG,SMD,0.2A,100V,SOT-23
466	----	4	720052	C	P	7	EA	XSTR,N-FET,SS,7.5@0.5A,60V,SOT-23
467	----	4	720222	B	P	2	EA	XSTR,SS,NPN,SMD 0.5A,40V,SOT-23
468	----	4	730144	C	P	2	EA	IC,LIN,SMD,QUAD COMPRTR,SO-14
469	----	4	730176-C1	B	P	1	EA	IC,LIN,VREF,SMD 2.5/36V,0.5%,SO-8
470	----	4	730175	C	P	3	EA	IC,LIN,SMD,DUAL OP-AMP,SO-8
471	----	4	730176	B	P	2	EA	IC,LIN,VREF,SMD 2.5/36V,1%,SOP-8
472	----	4	730147	C	P	2	EA	IC,LIN,SMD,DUAL,COMPRTR,SO-8
473	----	4	710219	B	P	1	EA	DIODE,ZENER,SMD,15V,0.225W,SOT-23
474	----	3	710151	F	P	1	EA	DIODE,RECT,3A,800V,AXIAL,T/R
475	----	3	710159	D	P	1	EA	DIODE,RECT,1A,600V,70NS,AXIAL
476	----	3	710193	C	P	2	EA	DIODE,RECT,2.3A,600V,30NS,SOD-64
477	----	3	175181	E	P	1	EA	ASY PCB PWR, EMI CMP150A1-1C
478	----	3	720209	E	P	1	EA	XSTR,N-FET,PWR,0.15@4A,55V,I-PAK
479	----	3	730201	B	P	1	EA	IC,TEMP.SENSOR 0 to +100C,TO-92
480	----	3	141984	A	P	1	EA	ASY LEAD;3.50"L #6 RING,RA,E-TERM
481	----	3	8404045	A	P	2	EA	SCREW,PHP,4-40 X 1/4,STL/ZN
482	----	3	900002	B	P	0.05	OZ	ADHSV,RTV,10.1FL OZ,TRANSLUCENT
483	----	3	930006	B	P	0.05	OZ	ADHSV,THERM,COND,REPAIRABLE
484	--	2	840404A	A	P	1	EA	SCREW,PH,CR,SEM,4-40 X 1/4,EXT,ST/ZN
485	--	2	900001	A	P	0.05	OZ	THERMAL,COMPOUND 5 lbs.,WHITE
486	--	2	790090	A	P	1	EA	LABEL TEST
487	--	2	840604A	A	P	1	EA	SCREW,PH,CR,SEM,6-32 X 1/4,EXT,ST/ZN
488	--	2	8504045	A	P	8	EA	SCREW,FHP,82o,4-40 X 1/4,STL/ZN
489	--	2	8504055	A	P	3	EA	SCREW,FHP,82o,4-40 X 5/16,STL/ZN
490	-	1	791499	B	P	1	EA	LABEL UL-CUL, CHEROKEE LOGO
491	-	1	950018	A	P	12	IN	BUBBLE WRAP, SMALL 24" WIDE
492	-	1	950008	C	P	1	EA	CARTON,BOX,3.25 X 5.75 X 10.75,QM,QT
493	-	1	950068	A	P	0.1	EA	CARTON,BOX 18 X 12 X 12
494	-	1	950038	A	P	0.8	IN	CARTON,TAPE,1180,2.0 IN WIDE
495	-	1	950026	A	P	0.01	EA	SHIPPING,PALLET,48 X 40
496	-	1	950040	A	P	0.73	IN	TAPE,PALLET-WRAPPING,18"W
497	-	1	950046	A	P	0.01	EA	PROTECTOR CARTON EDGE
498	-	1	950048	A	P	1.15	IN	TAPE STRAPPING
499	-	1	950047	A	P	0.01	EA	CLIP STRAP BUCKLE
500	-	1	790025	E	P	1	EA	LABEL T.U.V
501	-	1	790176	B	P	1	EA	LABEL,(CE) SP279
502	-	1	791608	A	P	1	EA	LABEL,WEEE,10MM X 13MM,BLK/WHT

ITEM #	PDI Part #	Description	Mfg P/N	Mfg	Qty	Location
1	B-CAP-0074	.01 uF cer cap 0603 5%			1	C220
2	B-CAP-1008	1.8pf cer cap 0603 20V TOL 1 %			1	C266
3	B-CAP-1030	39pf cer cap 0603 50v TOL 5%			1	C240
4	B-CAP-1031	68 pf cer cap 0603 TOL 10%			2	C188, C257
5	B-CAP-0012	0.1uf cer cap 50V 0805 10%	GMC21X7R104K50TN	Cal Chip	19	C103, C111, C117, C118, C131, C144, C221, C222, C224, C226, C228, C232, C234, C271, C272, C281, C283, C314, C315
6	B-CAP-0041	100pf cer cap 0805 5%	08151A101JAT2A	TODAY COMP.	1	C237
7	B-CAP-0056	10pf porcelain cap 5%	100B100KW 500X	ATC	1	C121
8	B-CAP-0015	10uf,35v, tant D pkg 7343 10%	293D106X0035D2T	Cal Chip	2	C130, C142
9	B-CAP-0005	12pf cer cap 50V 0805 5%	C2012C091H20JTOJCA	TODAY COMP.	2	C112, C115
10	B-CAP-0006	15pf cer cap 50V 0805 5%	CL21C150JBNC	Samsung	2	C291, C292
11	B-CAP-0046	2.2pf 1% ATC vertical	100B2R2CW 500XTV	ATC	1	C (vertical)
12		5.6p	100B5R6CW 500X	ATC	1	C
13	B-CAP-0073	2200pf cer cap 0805 5%			1	C236
14	B-CAP-0045	Low power capacitor 0-2.5 pf	2320-0R1	Johnason	1	C186
15	B-CAP-0018	Low power capacitor 2-6pf	2320-1R1	Johanson	1	C113
16	B-CAP-0003	3.9pf cer cap 50V 0805 1%	CL21C3R9CBNC	Samsung	1	R288
17	B-CAP-0011	560pf cer cap 0805 5%	GMC21CG561J50NT	Cal Chip	1	C321
18	B-CAP-0009	68pf cer cap 50V 0805 5%	CE680J2NO-TI	Garrett	47	C101, C102, C116, C132, C141, C143, C156, C171, C172, C181, C182, C183, C184, C185, C187, C191, C193, C201, C210, C211, C223, C225, C227, C230, C231, C233, C235, C238, C250, C251, C252, C253, C261, C262, C273, C274, C275, C277, C282, C284, C285, C286, C287, C288, C311, C312, C317
19	B-VDI-0020	VARACTOR DIODE, SMV1234-011	SMV1234-011	ALPHA	8	D170, D172, D174, D176, D240, D241, D242, D243
20	B-IND-0002	1.8 nh 0805 chip ind 0.3nh	LL2012-F1N8S	TOKO	2	L290, L291
21	B-IND-0016	100 nh 0805 chip ind 5%	PCD1172CT-ND	DigiKey	4	L191, L192, L261, L262
22	B-IND-0001	12 nh 0805 chip ind 10%	TKS2370CT-ND	Digi-Key	4	L186, L187, L282, L283
23	B-IND-0004	33 nh 0805 chip ind 5%	TKS2386CT-ND	Digi-Key	2	L172, L251

ITEM #	PDI Part #	Description	Mfg P/N	Mfg	Qty	Location
24	B-RES-0002	0 ohm 5%, 0805	RM10J000CT	Cal Chip	1	R262
25	B-RES-0024	5.6ohm 5% 0805 Resistor	RM10J5R6CT	Cal Chip	2	R304, R305
26	B-RES-0062	12ohm 5% 0805	MCR10J120E	GEC	1	R287
27	B-RES-0004	18 ohm 5% 0805 Resistor	RM10J180CT	Cal Chip	8	R157, R162, R172, R202, R252, R254, R255, R266
28	B-RES-0025	30ohm 5% 0805	RM10J300CT	Cal Chip	1	R312
29	B-RES-0054	36 ohm 5% 0805 Resistor	RM10J360CT	Cal Chip	7	R174, R175, R181, R182, R183, R184, R257
30	B-RES-0005	51ohm 5% 0805 Resistor	RM10J510CT	Cal Chip	6	R152, R164, R224, R281, R316, R323
31	B-RES-0065	68ohm 5% 0805	MCR10J680E	GEC	2	R154, R158
32	B-RES-0083	75ohm 5% 0805 Resistor	RM10J750CT	Cal Chip	1	R314
33	B-RES-0026	82ohm 5% 0805 Resistor	RM10J820CT	Cal Chip	3	R301, R302, R303
34	B-RES-0058	150ohm 5% 0805 Resistor	RM10J151CT	Cal Chip	2	R256, R258
35	B-RES-0007	180ohm 5% 0805 Resistor	RM10J181CT	Cal Chip	4	R114, R115, R311, R313
36	B-RES-0103	240 ohm 10% 0805		Cal Chip	1	R153
37	B-RES-0008	300ohm 5% 0805 Resistor	RM10J301CT	Cal Chip	16	R, R100, R155, R156, R161, R163, R171, R173, R201, R203, R221, R251, R253, R265, R267, R306
38	B-RES-0053	430ohm 10% 0805	9C08052A4300JLHFT	PHILLIPS	2	R286, R289
39	B-RES-0010	560 ohm 5% 0805 Resistor	RM10J561CT	Cal Chip	2	R222, R324
40	B-RES-0011	680ohm 5% 0805 Resistor	RM10J681CT	Cal Chip	1	R105
41	B-RES-1034	12 ohm, 0603, 5% 1/16 W			1	R275
42	B-RES-1032	18 ohm 5%, 0603			1	R291
43	B-RES-1033	300 ohm, 0603, 10%			2	R290, R292
44		430ohm 10% 0603			2	R276, R277
		Not Used				R241
45	B-RES-0018	10Kohm 10% 0805 Resistor	RC0805J103T	TODAY COMP.	2	R101, R106
46	B-POT-0001	Potentiometer, 10K	G4B103M T		2	R113, R116
47	B-RES-0019	13Kohm 10%	RM10J133CT	Cal Chip	3	R107, R109, R110
48	B-RES-0013	1Kohm 10% 0805 Resistor	RM10J102CT	Cal Chip	13	R103, R104, R192, R223, R231, R232, R234, R235, R242, R264, R271, R315, R322
49	B-RES-1024	1k ohm, 0603, 10% 25v/50v		NWC	9	R176, R177, R178, R179, R180, R200, R205, R240, R244
50	B-RES-0021	20K ohm 10%, 0805	RC0805J203T	NWC	1	R102
51		39ohm 1/2 W 5% 2010			1	R285
52	B-CPL-0008	Coupler	1C403	Aneren	2	U175, U240
53	B-CPL-0001	3db coupler, cell band	1d1304-3-T	Aneren	2	U161, U291
54	B-CPL-0002	10db coupler, cell band	1d1304-10-T	Avnet	1	U302

ITEM #	PDI Part #	Description	Mfg P/N	Mfg	Qty	Location
55	B-CPL-0003	20db coupler, cell band	1d1304-20-T	Avnet	1	U312
56	B-CPL-0004	30db coupler, cell band	1h1304-30t	Aneren	1	U151
57	B-BAL-0001	Balen	3a412	Avnet	2	U111, U141
58	B-VRG-0010	Voltage Regulator, 78m08 smt	78M08	ST MicroElectronic s	2	U224, U271
59	B-VRG-0002	Volt Reg 8pin	L78L05ACD	SGS	1	U232
60	B-VRG-0003	Volt Reg smt	78M05CDT	ST Micro Electronics	1	U282
61	B-VRG-0004	Volt Reg smt	L78M12CDT	SGS	1	U113
62	B-TRM-0001	Termination	82-2020, 10w	Florida RF	1	U301
63	B-ICC-0003	Specialty telecom circuit	AD8314ARM	FAI	1	U222
64	B-ICC-0012	power detection chip, AD8361	AD8361ARM	Analog Devices	1	U311
65	B-AMP-0021	MIMIC Amplifier, AG602-89	AG602-89		2	U251, U281
66	B-AMP-0022	MIMIC Amplifier, AG503-89	AG503-89		3	U171, U181, U201
67	B-AMP-0001	Mimic Amp 250 - 3000 mhz	AH1	Richardson	1	U283
68	B-ATT-0003	ATTENUATOR	AV101-12	Alpha	2	U191, U261
69	B-DOD-0001	Shottkey diode	HSMS-2813-BLK	FAI	1	U322
70	B-TMP-0001	Temp Sensor	LM50 CIM	FAI	2	U101, U231
71	B-AMP-0020	Power Amp Module	MHL9838	MOTOROLA	2	U223, U272
72		PNP Transistor	MMBT3904		1	U233
73		Power Transistor	UGF09180F	CREE	1	U121
74	B-AMP-0002	Dual Op Amp	OP279GS	FAI	1	U102
75	B-DEL-0002	Delay Line	XDL20-6-100	Aneren	1	U295
76		Isolator	IBA3925960-03	ALCATEL	2	U145, U321 FOR SMR-B
77		Isolator	IBA3850-870-03	ALCATEL	2	U145, U321 FOR SMR-A
78	B-HED-0001	Straight double row header	67997-272	BERG Electronics	1	

0071-2100
Rev E

Cellband
Controller

ITEM #	PDI Part #	Description	Mfg P/N	Mfg	Qty	Location	QTY NEEDED 160 PCS	QTY SENT TO PDI	NOTES
1		PC Board	0071-2300 Rev E	Lanmark	1		160		
2	B-AMP-0002	Dual Op Amp 4000 uv offset mer 5 mhz bandwidth	OP279GS	Analog Devices	5	U101, U111, U131, U141, U182	800		
3	B-AMP-0006	High range amp 250-3000 mhz	AM1	Watkins Johnson	1	U462	160		
4	B-AMP-0007	100-6000 mhz rf/micro. wide band low power amp	MGA-81563-BLK	Agilent	2	U331, U461	320		
5	B-AMP-0010	Current sense OPamp high side	MAX4172EUA	MAXIM	1	U181	160		
6	B-BEA-0002	FERRITE	BLM21A601SPT	MURATA	1	R191	160		
7	B-CAP-0074	120p cer cap 50v 0805 5%			2	C483, C485	320		
8	B-CAP-0009	68pf cer cap 50V 0805 5%	08055AG80JA7CDJ	Today Components	7	C152, C182, C191, C402, C452, C473, C502	1120		
9	B-CAP-0010	82pf cer cap 50V 0805 5%	HV1C0805820J500NT	Today Components	2	C463, C466	320		
10	B-CAP-0012	0.1uf cer cap 50V 0805 10%	08055C104KAT2A	Today Components	35	C101 C111, C121, C122, C131, C133, C141, C142, C143, C144, C151, C181, C183, C192, C193, C223, C231, C232, C241, C242, C243, C244, C333, C338, C401, C451, C481, C491, C503, C504, C505, C507, C511, C512, C513	5600		
11	B-CAP-0013	.01uf cer cap 50V 0805 10%	HV1B0805103J500NT	Today Components	2	C354, C416	320		
12	B-CAP-0015	10uf,35v, tant D pkg 7343 10%	TAJD106K035RNJ	Garrett	1	C185	160		
13	B-CAP-0025	27pf cer cap 0805 5%	GMC21CG270J50NT	Cal Chip	1	C224	160		
14	B-CAP-0027	220pf cer cap 0805 10%	GMC21CG221J100NT	Cal Chip	3	C471, C472, C506	480		
15	B-CAP-0028	1000pf cer cap 0805 10%	GMC21X7R102K50NT	Cal Chip	5	C482, C484, C492, C493, C501	800		
16	B-CAP-0037	.1u cer cap 0603 5%	06033G1042AE00J	Today Components	12	C306, C336, C351, C353, C362, C364, C415, C417, C419, C435, C440, C462	1920		
17	B-CAP-0038	10uf,16v, tant B pkg	TCKIC106BT	Cal Chip	2	C350, C411	320		
18	B-CAP-1018	1000pf cer cap 0603 20v TOL 10%			8	C337, C352, C361, C363, C418, C436, C439, C460	1280		
19	B-CAP-1020	22pf cer cap 0603 20v TOL 10%			7	C310, C316, C332, C335, C425, C427, C434	1120		
20	B-CAP-1022	100pf cer cap 0603 5%	MCH185A101JK	Rohm	7	C301, C304, C334, C412, C414, C461, C465	1120		
21	B-CAP-1024	1.5pf cer cap 0603 1%	GMC10CG1R50NT	Cal Chip	4	C311, C331, C431, C433	640		
22	B-CAP-1025	2.7pf cer cap 0603 1%	0603G2R7B500ST	Capax Tech	2	C303, C421	320		
23	B-CAP-1026	3.9pf cer cap 0603 1%	0603G3R9B500ST	Capax Tech	2	C302, C413	320		
24	B-CAP-1033	4.7 pf cer cap 0603 TOL 10%			4	C307, C312, C423, C424	640		
25	B-FTR-0001	CFM2 Cer Filter 360khz Type FM	SK107MA-AO-10	TOKO	1	U481	160		
26	B-FTR-0002	CFM2 Cer Filter 8khz 455C	HCFM2-455C	TOKO	1	U511	160		
27	B-HED-0001	14 Pin dual row carrier	89F6222	Newark	1		160		
28	B-HED-0001	2 Pin carrier	89F6222	Newark	1		160		

ITEM #	PDI Part #	Description	Mfg P/N	Mfg	Qty	Location	QTY NEEDED 160 PCS	QTY SENT TO PDI	NOTES
29	B-HED-0002	40 Pin IC Carrier	1109064000000000	MILL-MAX	1	U231	160		
30	B-ICC-0001	Platinum 2.0 ghz synthesizer	LMX2320TM	NATIONAL SEMICONDUCTOR	2	U361, U440	320		
31	B-IND-0001	12 nh 0805 chip ind 5%	CIH21T12NJ	Garrett	2	L332, L461	320		
32	B-IND-0006	470 nh 0805 chip ind 10%	LL2012-FHR47K-ND	DigiKey	4	L471, L481, L482, L491	640		
33	B-IND-0026	5.6 nh 0805 chip ind 10%	LL2012-FH5N6K	Panasonic	2	L301, L411	320		
34	B-IND-0008	22 nh 0805 chip ind	PCD1164CT-ND	Digi-Key	1	L462	160		
35	B-IND-0015	4.7 nh 0805 chip ind 10%	TKS2365CT-ND	Digi-Key	2	L331, L432	320		
36	B-IND-0017	10 nh 0805 chip ind 10%	TKS2369CT-ND	DigiKey	2	L302, L421	320		
37	B-IND-0018	15 nh 0805 chip ind 10%	TKS2371CT-ND	DigiKey	2	L361, L439	320		
38	B-POT-0001	Potentiometer, 10K	G4B103M T	TOCOS	5	R101, R102, R111, R112, R131	800		
39	B-REC-0001	Receiver	MC3371D	MOTOROLA	1	U501	160		
40	B-RES-0108	10 ohm 5%, 0805	RM10J100CT	Cal Chip	1	R483	160		
41	B-RES-1072	6.8k ohm, 0603, 10% 25v/50v			2	R304, R421	320		
42	B-RES-1071	160 ohm , 0603, 10% 25v/50v	RM06J121CT	Cal Chip	2	R311, R424	320		
43	B-RES-0005	51ohm 5%, 0805	RM10J510CT	Cal Chip	1	R493	160		
44	B-RES-0017	4.7Kohm 10% 0805	RM10J474CT	Cal Chip	1	R186	160		
45	B-RES-0018	10Kohm 10%			22	R103, R104, R105, R106, R113, R114, R115, R124, R125, R127, R132, R142, R143, R144, R145, R172, R181, R182, R183, R202, R222, R238	3520		
46	B-RES-0026	82ohm 5% 0805 Resistor	RM10J820CT	Cal Chip	6	R341, R342, R343, R471, R472, R473	960		
47	B-RES-0036	270ohm 10% 0805 RES	RM10J271CT	Cal Chip	2	R474, R481	320		
48	B-RES-0040	2k 10% 0805 Resistor			1	R514	160		
49	B-RES-0041	5.1k 10% 0805 Resistor			4	R121, R133, R184, R223	640		
50	B-RES-0045	68k 10%	RM10J683CT	Cal Chip	1	R492	160		
51	B-RES-0048	.01ohm 3watt	97F9243	NEWARK	1	R185	160		
52	B-RES-0056	62ohm 10% 0805 Resistor	RM10J621CT	Cal Chip	2	R482, R491	320		
53	B-RES-0071	100 Kohm 10% 0805 Resistor	RM73B2A104J	GEC	2	R171, R221	320		
54	B-RES-0096	1K ohm 0805 chip resistor 1% 1/8w			27	R122, R123, R134, R135, R201, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R231, R232, R233, R234, R235, R236, R237, R241, R242, R243, R401, R402	4320		
55	B-RES-1011	68 ohm, 0603 5%			4	R310, R316, R425, R427	640		
56	B-RES-1013	0 ohm, 0603, 5% 25v/50v	N371EB9733	PHILLIPS	4	R312, R431, R476, R477	640		
57	B-RES-1017	110 ohm, 0603, 10% 1/16w			2	R303, R413	320		
58	B-RES-1019	100 ohm, 0603, 10 % 1/16w			6	R302, R314, R315, R412, R426, R432	960		

ITEM #	PDI Part #	Description	Mfg P/N	Mfg	Qty	Location	QTY NEEDED 160 PCS	QTY SENT TO PDI	NOTES
59	B-RES-1024	1k ohm, 0603, 10% 25v/50v			11	R301, R350, R361, R391, R393, R394, R411, R433, R440, R443, R444	1760		
60	B-RES-1032	RESISTOR, 18 ohm 5%, 0603			1	R479	160		
61	B-RES-1033	RESISTOR, 300 ohm, 0603, 10%			2	R478, R480	320		
62	B-RES-1038	56 ohm, 0603, 10% 25v/50v			2	R331, R463	320		
63	B-RES-1039	3.9k ohm, 0603, 10% 25v/50v			2	C305, C422	320		
64	B-TRN-0004	Digital Transistor	DTC143eka	Rohm	1	U171	160		
65	B-TRN-0026	Power MOSFet,30A,60V	MTP30P06V	On Semiconductor	1	U172	160		
66	B-VDI-0020	VARACTOR DIODE, SMV1234-0	SMV1234-011	ALPHA	2	U301, U411	320		
67	B-VRG-0003	Volt Reg	78M05CDT	ST Micro Electronics	2	U332, U452	320		
68	B-VRG-0004	Volt Reg	L78M12CDT	SGS	1	U241	160		
69	B-VRG-0007	Volt Reg	L7805	ST Micro Electronics	1	U242	160		
70	B-XTL-0002	10.24 mhz Crystal	SG-51P-10.2400 M-C	EPSON	1	U401	160		
71	B-ICC-0014	A/D Converter	AD5314	Agilent	2	U151, U211	320		
72	B-ICC-0015	Mixer	HMC350MS8	Hittite	1	U122	160		
73	B-TRN-0029	Transistor NE68519	NE68519	CEL	2	U302, U421	320		
74	B-AMP-0023	Mimic Amp	SGA3463	Sirenza Microwave	2	U482, U491	320		
75	B-CON-0016	D-sub Connector, 15/2 Combo Ma	P172PF19GDE	Phoenix	1	U123	160		