

EXHIBIT S – Bill of Materials

FCC ID CM676A90343-WMTS

EFFECTIVITY DATE: 28-Sep-00

S I N G L E L E V E L B I L L S O F M A T E R I A L

PARENT PART: 670-0939-01

PC9A,BIG TM TX,WB,RF608-614.43,TRKG UM: EA PC: DTM-TFM
PEND FLAG: ERC: C SRCE CODE: A TYPE: 1 ABC: B PL: PECN: PR005201 ASSEMBLY QTY: 1
DATE: 14-Sep-00 DWG: NO DWG90343
-05

ITEM NO	COMPONENT PART NUMBER	PEND FLAG	ERC PROB.CODE	DESCRIPTION COM.CO	S T S A P C Y P B L UM	EXTENDED QTY PER	START DATE S/N	CLOSE DATE S/N	QPR LT SEQ OFF	STORES ACCOUNT
0112	064-2231-00			H PROCEDURE,TEST,670-0929/0939-00						
				DTM-TFM 3000 D 1 P D P EA		0			1	0 1105
0101	110-0009-00			A INDUCTOR,SMD,150MH,10X,0805						
				DTM-TFM 1802 P 1 P C P EA		1	29-Jun-00		2	0 1105
				L3						
0132	110-0023-00			B INDUCTOR,SMD,100MH,10X,0805						
				DTM-TFM 1802 P 1 P D P EA		1			2	0 1105
				L8						
0100	110-0024-00			B INDUCTOR,SMD,82MH,10X,0805						
				DTM-TFM 1802 P 1 P C P EA		2			2	0 1105
				L2						
0102	110-0026-00			B INDUCTOR,SMD,39MH,20X,0805						
				DTM-TFM 1802 P 1 P C P EA		2			2	0 1105
				L6,7						
0103	110-0027-00			B INDUCTOR,SMD,10MH,10X,0805,TF						
				DTM-TFM 1802 P 1 P C P EA		2			2	0 1105
				L3,4						
0129	110-0032-00			A INDUCTOR,SMD,56MH,10X,0805						
				DTM-TFM 1802 P 1 P C P EA		2			2	0 1105
0131	110-0043-00			A INDUCTOR,SMD,270MH,5X,0805						
				DTM-TFM 1802 P 1 P D P EA		1			2	0 1105
				L1						
0019	131-0315-00			B TEST POINT, .200",ECB MOUNT						
				DTM-TFM 2860 P 1 P C P EA		1			1	0 1105
				TP1						
0021	131-0514-00			A CONN,SKT STP,6 SKTS,SLDR,TIN PLTD						
				DTM-TFM 2120 P 1 P C P EA		2			1	0 1105
				JP2,JP3						
0020	131-0690-00			A CONN,SKT STP,3 SOCKETS,TIN PLTD						
				DTM-TFM 2120 P 1 P C P EA		1			1	0 1105
				JP1						
0022	131-1456-00			A CONN,SMD,HDR,2X5,.050,STR,GOLD						
				DTM-TFM 2115 P 1 P C P EA		1			2	0 1105
				JP4						
0031	153-0012-00			C XSTR,SMD,BSS84,MOSFET,P-CHAN,SOT23						
				EVE 4960 P 1 P B P EA		1			2	0 1105
				Q4						
0030	153-0044-00			C XSTR,SMD,BF369,PMP,RF AMP,SOT-23						
				DTM-TFM 4950 P 1 P C P EA		1			2	0 1105
				Q3						
0029	153-0048-00			C OBS,XSTR,SMD,NE25139,DUAL-GT MESFET						
				DTM-TFM 4950 P 1 P C P EA		2			2	0 1105
				Q1,Q2						
0017	155-0001-00			H DIODE,SMD,SW,HIGH SPEED,SOT-23						
				DTM-TFM 4850 P 1 P C P EA		1			2	0 1105
				D1						

90343-05
608-614 MHz
9/29/00
J/E

EFFECTIVITY DATE: 28-Sep-00

S I N G L E L E V E L B I L L S O F M A T E R I A L

PARENT PART: 670-0939-01

PCBA,BIG TM TX,WB,RF408-614,43,TRKG UM: EA PC: DTM-TFM

ECN: PRO05201 ASSEMBLY QTY: 1

PEND FLAG: ERC: C

SRCE CODE: A TYPE: 1 ABC: B PL: P

DATE: 14-Sep-00 DWG: NO DWG

ITEM NO	COMPONENT PART NUMBER	PEND FLAG	ERC	DESCRIPTION	BT S A P	EXTENDED QTY PER	START DATE	S/N	CLOSE DATE	S/N	OPR LT	STORES
0018	155-0053-00			A DIODE,SMD,SMV1236,VARACTOR,SOT23 DTM-TFM 4850 P 1 P D P EA 2							2	0 1105
0072	158-5025-00			0 XTAL,32.768 KHZ,20 PPM,12 PF,2X6MM AMB-BP 2300 P 1 P C P EA 1							1	0 1105
0095	159-0091-00			A FUSE,SMD,SELF-RESET,.2A,30V,1812 DTM-TFM 4300 P 1 P C P EA 1							2	0 1105
0068	171-0012-00			A IC,LIN,TLC27L4,QUAD OPAMP,CMOS,S014 AMB-BP 3151 P 1 P C P EA 1							2	0 1105
0066	171-0024-00			B IC,LIN,TLC27M2,BUAL OP AMP,CMOS,S08 DTM-TFM 3120 P 1 P C P EA 1							2	0 1105
0070	171-0044-00			B IC,SMD,LIN, LP2951C,ADJ VOLT REG EVE 3151 P 1 P C P EA 1							2	0 1105
0067	171-0095-00			A IC,SMD,LIN,TLC3702CD,CMPTX,S08,CMOS EVE P 1 P C P EA 1							2	0 1105
0063	172-0014-00			G IC,BIG,4066,QUAD BILATL SWITCH,S014 EVE 3152 P 1 P C P EA 1							2	0 1105
0069	172-0024-00			B IC,BIG,4069UB,HEX INVERTER,S014 EVE 3100 P 1 P C P EA 1							2	0 1105
0071	172-0027-00			E IC,BIG,4051,ANALOG MUX,8-CHAN,S016 EVE 3100 P 1 P C P EA 1							2	0 1105
0062	172-0110-00			C IC,BIG,74HC151,8-INPUT MUX,S016 DTM-TFM 3152 P 1 P C P EA 4							2	0 1105
0065	172-0119-00			E IC,BIG,74HCT74,BUAL D-FF,S014 VIPER 3102 P 1 P C P EA 1							2	0 1105
0064	174-0057-00			1 PAL,SMD,90340,TX BD,V1.00 DTM-TFM 3154 P 1 P C P EA 1							2	0 1105
0061	260-0114-00			C SW,SMD,DIP,8 POS,0.05" CTR,LOW PF EVE 5100 P 1 P B P EA 2							2	0 1105
0097	276-0060-00			A FER BEAD,SMD,0603,600 OHM,200 MA VIPER 1806 P 1 P B P EA 8							2	0 1105
0124	276-0068-00			A FER BEAD,SMD,0803,10000HMS100MHZ SAS 1806 P 1 P B P EA 1							2	0 1105

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S I N G L E L E V E L B I L L S O F M A T E R I A L

PARENT PART: 670-0939-01

PCBA,BIG TM TX,WB,RF408-614,43,TRKS UM: EA PC: DTM-TFM

ECN: PR005201 ASSEMBLY QTY: 1

PEND FLAG: ERC: C

SRCE CODE: A TYPE: 1 ABC: B PL: P

DATE: 14-Sep-00 DWG: NO DWG

ITEM NO	COMPONENT PART NUMBER	PEND FLAG	ERC	DESCRIPTION	ST S A P	EXTENDED QTY PER	START DATE	CLOSE DATE	OPR LT	STORES
				COM CD	C Y P B L UM		B/N	S/N	SEQ OFF	ACCOUNT
0047	327-0713-00		A	RES,SMB,49.9K,1Z,.1M,0603						
			EVE	4750	P 1 P C P EA	2			2	0 1105
				R28,R59						
0051	327-0725-00		B	RES,SMB,49.9 OHM,1Z,.06W,0603						
			VIPER	4750	P 1 P C P EA	2			2	0 1105
				R35						
0056	327-0770-00		A	RES,SMB,499K,1Z,.0625W,0603						
			EVE		P 1 P C P EA	4			2	0 1105
				R40,R44,R54,R16						
0046	327-0771-00		A	RES,SMB,453K,1Z,.06W,0603						
			DTM-TFM		P 1 P C P EA	1			2	0 1105
				R17						
0044	327-0779-00		A	RES,SMB,24.9K,1Z,.06W,0603						
			DTM-TFM		P 1 P C P EA	2			2	0 1105
				R13,R15						
0058	327-0782-00		A	RES,SMB,100 OHM,1Z,.06W,0603						
			DTM-TFM		P 1 P C P EA	2			2	0 1105
				R48,R68						
0079	327-0800-00		A	RES,SMB,54.9K,1Z,.06W,0603						
			EVE	4150	P 1 P C P EA	2			2	0 1105
				R47,R51						
0078	327-0811-00		A	RES,SMB,549K,1Z,.06W,0603						
			DTM-TFM	4750	P 1 P C P EA	1			2	0 1105
				R41						
0098	327-0827-00		A	RES,SMB,78.7K,1Z,.06W,0603						
			DTM-TFM	4750	P 1 P C P EA	2			2	0 1105
				R46,R50						
0110	327-0848-00		A	RES,SMB,1.82K,1Z,.06W,0603						
			DTM-TFM	4750	P 1 P C P EA	1			2	0 1105
				R65						
0111	327-0849-00		A	RES,SMB,499 OHM,1Z,.06W,0603						
			DTM-TFM	4750	P 1 P C P EA	1			2	0 1105
				R5						
0034	328-0001-00		F	RES,SMB,VAR,2.0K,25Z,.2W,4MM,4PAD						
			DTM-TFM	4751	P 1 P C P EA	1			2	0 1105
				R3						
0041	328-0002-00		H	RES,SMB,VAR,50K,25Z,.2W,4MM,4PAD						
			DTM-TFM	4751	P 1 P B P EA	1			2	0 1105
				R9						
0130	354245-004		E	SPRING,SOCKET						
			DTM-TFM	2110	P 1 P C P EA	3			1	0 1105
				X2						
0088	361-0162-00		A	STANDOFF,.115IDX,1880DX,165L BRS/TM						
			DTM-TFM	2883	P 1 P C P EA	2			1	0 1105
0094	388-0316-03		A	PCB,RAW,DTM TX,WB,608-614MHZ						
			DTM-TFM	1700	P 1 P C P EA	1			1	0 1105

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S I N G L E L E V E L B I L L S O F M A T E R I A L

PARENT PART: 670-0939-01

PCBA,BIG TM TX,WB,RF408-614,43,TRKG UM: EA PC: BTM-TFM

ECN: PR005201 ASSEMBLY QTY: 1

PEND FLAG: ERC: C

SRCE CODE: A TYPE: 1

ABC: B PL: P

DATE: 14-Sep-00 DWG: NO DWG

ITEM NO	COMPONENT PART NUMBER	PEND FLAG	ERC	DESCRIPTION	SYSA	EXTENDED QTY PER	START DATE	CLOSE DATE	OPR LT	STORES
0113	674-0723-01	A		TRAVELER,PCBA 670-0939-01	BTM-TFM 3000 D 1 * P EA	0	15-Sep-00		1	0 1105
0122	675-0367-01	A		DWG,PCBA 670-0939-01	BTM-TFM 3000 D 1 * P EA	0	15-Sep-00		1	0 1105
0114	676-0209-00	E		SCHEM,DWG,PCBA 670-0929/0939-00	BTM-TFM 3000 D 1 P D P EA	0			1	0 1105
0135	677-0401-00	A		X-Y DATA, 388-0316-03	BTM-TFM 3000 D 1 * P EA	0	15-Sep-00		1	0 1105

NOTES:

R70,R71,D4,Q5,Q6 R72,R73,C44,U14,R7
 4,R75 PARTS NOT STUFFED THIS ASSY
 R70,R71,D4,Q5,Q6

EFFECTIVITY DATE: 28-Sep-00

S I N G L E L E V E L B I L L S O F M A T E R I A L

PARENT PART: 670-0929-01

PCBA, BIG TM TX, WB, 608-614MHZ, TRCKNG UM: EA PC: DTM-TFM
PEND FLAG: ERC: C SRCE CODE: A TYPE: 1 ABC: B PL: PECN: PR005201 ASSEMBLY QTY: 1
DATE: 14-Sep-00 DWG: NO DWG

ITEM NO	COMPONENT PART NUMBER	PEND FLAG	ERC PROB. CODE	DESCRIPTION COM. CD	ST S A P C Y P B L UM	EXTENDED QTY PER	START DATE	S/N	CLOSE DATE	S/N	OPR LT SEQ OFF	STORES ACCOUNT
0100	064-2231-00		H	PROCEDURE, TEST, 670-0929/0939-00								
				DTM-TFM 3000	D 1 P D P EA	0					1	0 1105
0112	110-0009-00		A	INDUCTOR, SMD, 150MH, 10%, 0805								
				DTM-TFM 1802	P 1 P C P EA	1	29-Jun-00				2	0 1105
				L3								
0129	110-0023-00		B	INDUCTOR, SMD, 100MH, 10%, 0805								
				DTM-TFM 1802	P 1 P D P EA	1					2	0 1105
				L8								
0111	110-0024-00		B	INDUCTOR, SMD, 82MH, 10%, 0805								
				DTM-TFM 1802	P 1 P C P EA	1					2	0 1105
				L2								
0113	110-0026-00		B	INDUCTOR, SMD, 39MH, 20%, 0805								
				DTM-TFM 1802	P 1 P C P EA	2					2	0 1105
				L6, L7								
0114	110-0027-00		B	INDUCTOR, SMD, 10MH, 10%, 0805, TF								
				DTM-TFM 1802	P 1 P C P EA	2					2	0 1105
				L5, L4								
0110	110-0032-00		A	INDUCTOR, SMD, 56MH, 10%, 0805								
				DTM-TFM 1802	P 1 P C P EA	1					2	0 1105
0128	110-0043-00		A	INDUCTOR, SMD, 270MH, 5%, 0805								
				DTM-TFM 1802	P 1 P D P EA	1					2	0 1105
				L1								
0019	131-0315-00		B	TEST POINT, .200", ECB MOUNT								
				DTM-TFM 2860	P 1 P C P EA	1					1	0 1105
				TP1								
0021	131-0516-00		A	CONN, SKT STP, 6 SKTS, SLD, TIN PLTD								
				DTM-TFM 2120	P 1 P C P EA	2					1	0 1105
				JP2, JP3								
0020	131-0690-00		A	CONN, SKT STP, 3 SOCKETS, TIN PLTD								
				DTM-TFM 2120	P 1 P C P EA	1					1	0 1105
				JP1								
0022	131-1456-00		A	CONN, SMD, HDR, 2X5, .050, STR, GOLD								
				DTM-TFM 2115	P 1 P C P EA	1					2	0 1105
				JP4								
0085	150-0096-00		A	LED, YELLOW, 2.5X2MM								
				DTM-TFM	P 1 P C P EA	1					1	0 1105
				D4								
0105	153-0003-00		B	XSTR, SMD, 3906, PNP, TO-236AB								
			EVE	4980	P 1 P C P EA	1					2	0 1105
				Q5								
0031	153-0012-00		C	XSTR, SMD, 85S84, MOSFET, P-CHAN, SOT23								
			EVE	4960	P 1 P B P EA	1					2	0 1105
				Q4								
0104	153-0024-00		B	XSTR, SMD, 2N7002, MOSFET, 60V, SOT-23								
			GAS		P 1 P C P EA	1					2	0 1105
				Q6								

90347-05
608-614MHZ
9/29/00
J/E

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EFFECTIVITY DATE: 28-Sep-00

S I N G L E L E V E L B I L L S O F M A T E R I A L

PARENT PART: 670-0929-01

PCBA, DIG TM TX, WB, 608-614MHZ, TRCKNG UM: EA PC: DTM-TFM

ECN: PRO05201 ASSEMBLY QTY: 1

PEND FLAG: ERC: C

SRCE CODE: A TYPE: 1 ABC: B PL: P

DATE: 14-Sep-00 DWG: NO DWG

ITEM NO	COMPONENT PART NUMBER	PEND FLAG	ERC PROB. CODE	DESCRIPTION COM. CD	S T S A P C Y P B L UM	EXTENDED QTY PER	START DATE S/N	CLOSE DATE S/N	OPR LT SEQ OFF	STORES ACCOUNT
0064	174-0057-00		1	PAL, SMD, 90340, TX BB, V1.00						
				DTM-TFM 3154	P 1 P C P EA	1			2	0 1105
				U4						
0061	240-0116-00		C	SW, SMD, DIP, 8 POS, 0.05" CTR, LOW PF						
				EVE 5100	P 1 P B P EA	2			2	0 1105
				SW1, SW2						
0108	276-0060-00		A	FER BEAD, SMD, 0603, 600 OHM, 200 MA						
				VIPER 1806	P 1 P B P EA	8			2	0 1105
				R76, 77, 78, 79						
				B0, B1, B2, B3						
0124	276-0068-00		A	FER BEAD, SMD, 0805, 10000HMHZ, 100MHZ						
				GAS 1806	P 1 P B P EA	1			2	0 1105
				L9						
0016	276-0021-00		E	CAP, SMD, TANT, 1.0UF, 10%, 35V, 3528						
				LIFECLIN 1333	P 1 P C P EA	1			2	0 1105
				C32						
0103	276-0030-00		F	CAP, SMD, TANT, 2.2UF, 20%, 20V, 3528						
				EVE	P 1 P C P EA	1			2	0 1105
				C44						
0005	276-0037-00		B	CAP, SMD, TANT, .47UF, 10%, 10V, 7343						
				EVE	P 1 P C P EA	4			2	0 1105
				C8, C9, C11, C14						
0003	277-0011-00		A	CAP, SMD, 1000PF, 5%, 100V, NPO, 1206						
				DTM-TFM 1331	P 1 P C P EA	2			2	0 1105
				C16, C38						
0008	277-0053-00		E	CAP, SMD, .10UF, 10%, 50V, X7R, 1206						
				DTM-TFM 1331	P 1 P C P EA	9			2	0 1105
				C17, C19, C21, C22,						
				C23, C34, C35, C37, C40						
0010	277-0092-00		C	CAP, SMD, 27PF, 5%, 100V, NPO, 1206						
				DTM-TFM 1331	P 1 P C P EA	2			2	0 1105
				C24, C28						
0013	277-0112-00		D	CAP, SMD, 150PF, 5%, 100V, NPO, 1206						
				DTM-TFM	P 1 P C P EA	1			2	0 1105
				C27						
0012	277-0113-00		C	CAP, SMD, 180PF, 5%, 100V, NPO, 1206						
				DTM-TFM	P 1 P C P EA	1			2	0 1105
				C26						
0014	277-0114-00		F	CAP, SMD, 200PF, 5%, 100V, NPO, 1206						
				VIPER	P 1 P C P EA	1			2	0 1105
				C30						
0015	277-0115-00		B	CAP, SMD, 390PF, 5%, 50V, NPO, 1206						
				DTM-TFM	P 1 P C P EA	1			2	0 1105
				C31						
0093	277-0204-00		B	CAP, SMD, .10UF, +80-20%, >15V, Y5V, 0603						
				EVE 1331	P 1 P B P EA	1			2	0 1105
				C15						

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PARENT PART: 670-0929-01

PCBA,BIG TM TX,MB,608-614MHZ,TRCKNG UM: EA PC: DTM-TFM

ECN: PR005201 ASSEMBLY QTY: 1

PEND FLAG: ERC: C

SRCE CODE: A TYPE: 1 ABC: B PL: P

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0120	327-0848-00			A RES.SMB,1.82K,1X,.06W,0603								
				DTM-TFM 4750	P 1 P C P EA	1					2	0 1105
				R45								
0121	327-0849-00			A RES.SMB,499 OHM,1X,.06W,0603								
				DTM-TFM 4750	P 1 P C P EA	1					2	0 1105
				R5								
0034	328-0001-00			F RES.SMB,VAR,2.0K,25X,.2W,4MM,4PAD								
				DTM-TFM 4751	P 1 P C P EA	1					2	0 1105
				R3								
0041	328-0002-00			H RES.SMB,VAR,50K,25X,.2W,4MM,4PAD								
				DTM-TFM 4751	P 1 P B P EA	1					2	0 1105
				R9								
0127	354245-004			E SPRING,SOCKET								
				DTM-TFM 2110	P 1 P C P EA	3					1	0 1105
				X2								
0088	361-0162-00			A STANDOFF,.115IDX,1880BX,165L BWS/TN								
				DTM-TFM 2883	P 1 P C P EA	2					1	0 1105
0087	361-0171-00			A SPACER,LEB,.158HX,200 OD,PVC,BLK								
				DTM-TFM 2882	P 1 P C P EA	1					1	0 1105
				D4								
0094	388-0316-03			A PCB,RAW,DTM TX,MB,608-614MHZ								
				DTM-TFM 1700	P 1 P C P EA	1					1	0 1105
0101	674-0659-01			A TRAVELER,PCBA 670-0929-01								
				DTM-TFM 3000	D 1 * P EA	0	15-Sep-00				1	0 1105
0122	675-0304-01			A DWG,PCBA 670-0929-01								
				DTM-TFM 3000	D 1 * P EA	1	15-Sep-00				1	0 1105
0102	676-0209-00			E SCHEM,DWG,PCBA 670-0929/0939-00								
				DTM-TFM 3000	D 1 P D P EA	0					2	0 1105
0132	677-0401-00			A X-Y DATA, 388-0316-03								
				DTM-TFM 3000	D 1 * P EA	0	15-Sep-00				1	0 1105

NOTES:

PARTS NOT STUFFED THIS ASSY C45
C45