

PARTS LIST		DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2241-2017	REV A	PAGE 1 OF 6
TITLE PRINTED WIRING ASSEMBLY, ATTENUATOR/PRE-DRIVER			CONTRACT NUMBER		DATE: 96-06-03	
REVISIONS						
LTR	DESCRIPTION			DATE	APPROVED	
-	INITIAL RELEASE			96-12-07	C. DAVIDSON	
				96-12-09	T. COCHRAN	
	SHELLEY MUNDT 96-06-03			96-12-09	L. GUICHARD	
A	DCR 723516: REPLACES REV - WITH CHANGE.			97-2-12	R. Wayman	
				97-2-18	C. Davidson	
	SHELLEY MUNDT 97-01-31			97-2-18	L. Guichard	
				97-2-19		

PARTS LISTDESIGN ACTIVITY
CUBIC COMMUNICATIONS, INC.CAGE CODE
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NOTES: UNLESS OTHER SPECIFIED

1. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION
OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT
SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HBK-263.
2. VENDOR ITEM: SEE SPEC CONTROL DWG.

PART NUMBER : 2241-2017-1X

TITLE: PWA,ATTENUATOR/PRE-DRIVER SMT ONLY

CAGE CODE: 59532

REV: A

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2241-2017	PWA,ATTENUATOR,PRE-DRIVER			
002	0	PL2241-2017	PWA,ATTENUATOR/PRE-DRIVER			
003	1	2241-2117-7	PWB,ATENNUATOR/PRE-DRIVER			
012	5	011-051	IND,CHIP 5% AIR CORE 18.5 NH	A05T	M02113	L2,L4,L7,L10,L14
013	2	011-065	IND,CHIP 5% 6.8 UH	1812CS-682XJBC	M02113	L16,L18
016	11	012-515	IND,CHIP 470 UH	NL1812-471K	M7J069	L1,L3,L5,L6,L8,L9,L11,L12,L13,L15,L17
030	11	027-233	INDUCTOR,FERRITE BEAD,0805	BLM21A102S	M32897	E3,E4,E5,E6,E7,E8,E9,E10,E11,E12,E13
032	3	027-234	INDUCTOR,EMI FILTER,3 AMP 370 OHMS	HF70ACC635050-T	M7J069	E1,E2,E14
050	2	056-101	RES,FILM CHIP,1/8W 5% 100 OHMS	4702102C-0100J	M06994	R44,R45
052	12	056-103	RES,FILM CHIP,1/8W 5% 10K OHMS	4702102C-0103J	M06994	R1,R8,R10,R11,R18,R20,R21,R28,R30,R31,R39,R41
054	2	056-120	RES,FILM CHIP,1/8W 5% 12 OHMS	MCR18120J	M65940	R15,R16
055	2	056-121	RES,FILM CHIP,1/8W 5% 120 OHMS	MCR18121J	M65940	R57,R59
056	1	056-130	RES,FILM CHIP,1/8W 5% 13 OHMS	CRCW1206130J	M91637	R51
057	2	056-200	RES,FILM CHIP,1/8W 5% 20 OHMS	RCI-1206-20R0JT	118927	R46,R47
058	1	056-150	RES,FILM CHIP,1/8W 5% 15 OHMS	MCR18150J	M65940	R38
059	1	056-203	RES,FILM CHIP,1/8W 5% 20K OHMS	MCR18203J	M65940	R66
060	7	056-221	RES,FILM CHIP,1/8W 5% 220 OHMS	MCR18221J	M65940	R2,R9,R12,R22,R32,R61,R63
062	3	056-220	RES,FILM CHIP,1/8W 5% 22 OHMS	MCR18220J	M65940	R25,R26,R54
063	1	056-240	RES,FILM CHIP,1/8W 5% 24 OHMS	MCR18240J	M65940	R62
064	1	056-279	RES,FILM CHIP,1/8W 5% 2.7 OHMS	MCR182R7J	M65940	R36
066	1	056-301	RES,FILM CHIP,1/8W 5% 300 OHMS	MCR18301J	M65940	R19

PART NUMBER : 2241-2017-1X

TITLE: PWA,ATTENUATOR/PRE-DRIVER SMT ONLY

CAGE CODE: 59532

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<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
068	4	056-302	RES,FILM CHIP,1/8W 5% 3.0K OHMS	MCR18302J	M65940	R43,R49,R50,R65
069	4	056-330	RES,FILM CHIP,1/8W 5% 33 OHMS	9C12063A33R0JLR	M19701	R55,R58,R70,R73
070	3	056-331	RES,FILM CHIP,1/8W 5% 330 OHMS	4702102C-0331J	M06994	R29,R64,R69
072	1	056-360	RES,FILM CHIP,1/8W 5% 36 OHMS	MCR18360J	M65940	R37
074	1	056-361	RES,FILM CHIP,1/8W 5% 360 OHMS	MCR18361J	M65940	R40
078	8	056-510	RES,FILM CHIP,1/8W 5% 51 OHMS	4702102C-0510J	M06994	R3,R4,R13,R14,R23,R24,R33,R34
079	2	056-563	RES,FILM CHIP,1/8W 5% 56K OHMS	MCR18563J	M65940	R42,R68
080	2	056-629	RES,FILM CHIP,1/8W 5% 6.2 OHMS	CRCW12066R2	M91637	R5,R6
100	2	062-004	RES,CHIP 1/2W 5% 100 OHMS	MCR50J101	M65940	R17,R72
104	1	062-015	RES,CHIP 1/2W 5% 200 OHMS	MCR50J201	M65940	R7
106	1	062-019	RES,CHIP 1/2W 5% 47 OHMS	MCR50J470	M65940	R27
108	2	062-024	RES,CHIP 1/2W 5% 33 OHMS	MCR50J330	M65940	R35,R52
110	1	062-041	RES,CHIP 1/2W 5% 150 OHMS	MCR50J151	M65940	R48
112	2	069-045	CAP,TANTALUM CHIP 35V 10 UF	293D106X9035D2T	M52769	C3,C4
126	2	086-474	CAP,CER CHIP X7R 10% .47 UF	VJ1812Y474KXAMT	M95275	C1,C2
127	2	097-222	CAP,CER STB NPO 5% SMD 2200 PF	12065A222JATMA	M04222	C33,C50
130	6	098-103	CAP,CER SEMI-STB X7R SMD .01 UF	08055C103KATMA	M04222	C7,C12,C17,C22,C26,C47
132	33	098-104	CAP,CER SEMI-STB X7R SMD 0.1 UF	12065C104KATMA	M04222	C5,C6,C8,C9,C10,C11,C13,C14,C15,C16,C18,C19,C20,C21,C23,C24,C25,C27,C28,C29,C30,C31,C32,C34,C35,C36,C37,C38,C41,C44,C48,C49,C51
134	4	098-562	CAP,CER SEMI-STB X7R SMD.0056 UF	08055C562KATMA	M04222	C42,C43,C45,C46
164	12	475-239	DIODE,PIN SWITCHING SQ MELF	MA4P1250	M71506	CR1,CR2,CR3,CR4,CR5,CR6,CR7,CR8,CR9,CR10,CR11,CR12

PART NUMBER : 2241-2017-1X

TITLE: PWA,ATTENUATOR/PRE-DRIVER SMT ONLY

CAGE CODE: 59532

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<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
166	4	475-347	DIODE,PIN,HI POWER,T=8US	MA4P4301F	M71506	CR13,CR14,CR15,CR16
170	4	476-183	TRANSISTOR,MOSFET N CHANNEL	2N7002	M17856	Q1,Q2,Q3,Q4
174	2	476-213	TRANSISTOR,FET N-CHAN DMOS	TN0104N8	M59640	Q5,Q6
184	2	477-498	IC,OP AMP DUAL LINEAR	TLC277ID	M01295	U3,U5
186	1	477-543	IC,VOLT REG,+8V .5A	MC78M08CDT	M04713	U2

PART NUMBER : 2241-2017-1

TITLE: PWA,ATTENUATOR/PRE-DRIVER THRU HOLE

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<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2241-2017	PWA,ATTENUATOR,PRE-DRIVER			
002	0	PL2241-2017	PWA,ATTENUATOR/PRE-DRIVER			
001	1	2241-2017-1X	PWA,ATTENUATOR/PRE-DRIVER SMT ONLY			
040	1	052-231	RES,VAR 1/4 SQ TOP ADJ 12T,10K OHMS	3262W-1-103	M32997	R67
154	6	458-107	STANDOFF,4-40 THD 1/4 L	B1537B-1/4-11	M88245	
155	1	458-157	STANDOFF,4-40 THD SWAGED 3/16 L	B1537B-3/16-11	M88245	

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2002	REV A	PAGE 1 OF 5
TITLE PRINTED WIRING ASSEMBLY, AUDIO		CONTRACT NUMBER			DATE: 95-11-07
REVISIONS					
LTR	DESCRIPTION	DATE	APPROVED		
-	INITIAL RELEASE S.MUNDT 95-11-07	11-16-95 11-22-95 11-23-95 11-15-95	C. Dunder [Signature] [Signature] [Signature]		
A	DCR 723407: DWG CHG ONLY S.MUNDT 96-04-26	96-04-26 96-04-29 96-4-29 10-2-10	MENORMAN [Signature] C. Dunder [Signature]		

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2002	REV A	PAGE 2 OF
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NOTES: UNLESS OTHER SPECIFIED

1. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION
OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT
SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HBK-263.
2. VENDOR ITEM: SEE SPEC CONTROL DWG.

PART NUMBER : 2607-2002-1X

TITLE: PWA,AUDIO BOARD

SMT ONLY

CAGE CODE: 59532

REV : A

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2607-2002	PWA,AUDIO BOARD			
002	0	PL2607-2002	PWA,AUDIO BOARD			
003	0	D2607-2402	SCHEMATIC,AUDIO BOARD			
003	1	2607-2102-7	PWB,AUDIO BOARD			
010	2	011-024	IND,CHIP 10% 150 UH	WIC1812-151KT	203406	L1,L2
025	4	027-202	IND,FERRITE BEAD,CHIP 10 UH	2743021446	M34899	E1,E2,E3,E4
028	4	027-217	IND,FERRITE CHIP,EMI FILTER	BLM32A07	M32897	E17,E18,E19,E20
030	4	040-176	RES,MF CHIP 1/8 W 1% 200 OHMS	MCR182000FX	M65940	R23,R24,R43,R44
032	2	040-238	RES,MF CHIP 1/8 W 1% 221 OHMS	MCR182210FX	M65940	R25,R45
034	4	040-163	RES,MF CHIP 1/8 W 1% 10.0K OHMS	MCR181002FX	M65940	R21,R22,R41,R42
036	4	041-003	RES,CHIP,1/10W,1%,0805 9.09K OHMS	CRCW08059091F	M91637	R29,R32,R49,R52
038	2	041-004	RES,CHIP,1/10W,1%,0805 6.04K OHMS	CRCW08056041F	M91637	R30,R50
040	2	041-005	RES,CHIP,1/10W,1%,0805 30.1K OHMS	CRCW08053012F	M91637	R31,R51
042	4	041-006	RES,CHIP,1/10W,1%,0805 34.8K OHMS	CRCW08053482F	M91637	R33,R34,R53,R54
044	2	041-007	RES,CHIP,1/10W,1%,0805 49.9K OHMS	CRCW08054992F	M91637	R35,R55
050	4	066-102	RES,FILM CHIP,1/10W 5% 1K OHMS	CRCW0805102J	M91637	R3,R5,R28,R48
052	5	066-181	RES,FILM CHIP,1/10W 5% 180 OHMS	CRCW0805181J	M91637	R2,R6,R10,R36,R56
056	5	066-203	RES,CHIP,1/10W 5% 20K OHMS	CRCW0805203J	M91637	R4,R8,R9,R12,R13
058	5	066-222	RES,FILM CHIP,1/10W 5% 2.2K OHMS	CRCW0805222J	M91637	R1,R7,R11,R27,R47
062	2	066-681	RES,FILM CHIP,1/10W 5% 680 OHMS	CRCW0805681J	M91637	R26,R46
072	4	069-045	CAP,TANTALUM CHIP 35V 10 UF	293D106X9035D2T	M52769	C5,C6,C9,C10

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PART NUMBER : 2607-2002-1X

TITLE: PWA,AUDIO BOARD

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<u>END</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
076	7	069-201	CAP,TANTALUM CHIP 16V 10% 47 UF	PCT47/16DK	M0B5H1	C2,C3,C7,C11,C17,C19,C21
082	13	086-224	CAP,CER CHIP X7R 10% .22 UF	VJ1210Y224KXAMT	M95275	C1,C4,C8,C12,C13,C34,C35,C44,C45,C49,C50,C58,C59
084	2	086-474	CAP,CER CHIP X7R 10% .47 UF	VJ1812Y474KXAMT	M95275	C18,C20
090	12	092-001	CAP,CER CHIP NPO .0022 UF	12101A222FAT050B	M04222	C32,C33,C36,C37,C39,C41,C47,C48,C51,C52,C54,C56
092	2	092-011	CAP,CER CHIP NPO 1% 560 PF	VJ1206A561FXBMT	M95275	C40,C55
094	2	092-015	CAP,CER CHIP NPO 1% 100 PF	VJ1206A101FXBMT	M95275	C42,C57
096	2	092-016	CAP,CER CHIP NPO	VJ1206A102FXBMT	M95275	C38,C53
097	2	097-102	CAP,CER STB NPO 5% SMD .001 UF	08055A102JATMA	M04222	C60,C93
098	5	098-472	CAP,CER SEMI-STB X7R SMD.0047 UF	08055C472KATMA	M04222	C14,C15,C16,C31,C46
125	4	475-241	DIODE,RECTIFIER SCHOTTKY	MBRS130T3	M04713	CR8,CR9,CR10,CR11
130	5	475-293	DIODE,ZENER,5.1V,225MW SOT-23	MMBZ5231BL	M04713	CR1,CR2,CR3,CR4,CR5
132	2	475-298	DIODE ARRAY,LIMITER	SMDA12C	M14099	CR6,CR7
140	1	477-489	IC,OP AMP DUAL LINEAR	MC33078D	M04713	U6
142	2	477-537	IC,OP AMP QUAD LINEAR	TL074ID	M01295	U8,U11
150	2	502-039	IC,AMP DIFFERENTIAL 8P SOIC	AD830JR	M6H956	U7,U9
156	1	509-001	IC,ANALOG SWITCH SOIC	DG419DY	M17856	U10

**CUBIC COMMUNICATIONS***A member of the Cubic Corporation family of companies***BILL OF MATERIAL**11/30/95
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PART NUMBER : 2607-2002-1

TITLE: PWA,AUDIO BOARD

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<u>END</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2607-2002	PWA,AUDIO BOARD			
002	0	PL2607-2002	PWA,AUDIO BOARD			
003	0	D2607-2402	SCHEMATIC,AUDIO BOARD			
001	1	2607-2002-1X	PWA,AUDIO BOARD SMT ONLY			
145	1	477-330	IC,VOLT REG,-12V 4% 7912 TO-220	LM2990T-12	M27014	U4
148	1	501-046	IC,VOLT REG,-8V 7908 TO-220	KA7908T	MODUN9	U5

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PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2002-2	REV A	PAGE 2 OF
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NOTES: UNLESS OTHER SPECIFIED

1. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION
OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT
SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HBK-263.
2. VENDOR ITEM: SEE SPEC CONTROL DWG.

PART NUMBER : 2607-2002-2X

TITLE: PWA,AUDIO T-4580

SMT ONLY

CAGE CODE: 59532

REV : A

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2607-2002	PWA,AUDIO BOARD			
002	0	PL2607-2002	PWA,AUDIO BOARD			
003	0	D2607-2402	SCHEMATIC,AUDIO BOARD			
003	1	2607-2102-7	PWB,AUDIO BOARD			
010	2	011-024	IND,CHIP 10% 150 UH	WIC1812-151KT	203406	L1,L2
025	4	027-202	IND,FERRITE BEAD,CHIP 10 UH	2743021446	M34899	E1,E2,E3,E4
028	4	027-217	IND,FERRITE CHIP,EMI FILTER	BLM32A07	M32897	E17,E18,E19,E20
030	4	040-176	RES,MF CHIP 1/8 W 1% 200 OHMS	MCR182000FX	M65940	R23,R24,R43,R44
032	2	040-238	RES,MF CHIP 1/8 W 1% 221 OHMS	MCR182210FX	M65940	R25,R45
034	4	040-163	RES,MF CHIP 1/8 W 1% 10.0K OHMS	MCR181002FX	M65940	R21,R22,R41,R42
036	4	041-021	RES,CHIP,1/10W,1%,0805 3.92K OHM	CRCW08053921F	M91637	R29,R32,R49,R52
038	2	041-020	RES,CHIP,1/10W,1%,0805 2.67K OHM	CRCW08052671F	M91637	R30,R50
040	2	041-019	RES,CHIP,1/10W,1%,0805 13.3K OHM	CRCW08051332F	M91637	R31,R51
042	4	041-018	RES,CHIP,1/10W,1%,0805 15.4K OHM	CRCW08051542F	M91637	R33,R34,R53,R54
044	2	041-017	RES,CHIP,1/10W,1%,0805 22.1K OHM	CRCW08052212F	M91637	R35,R55
050	4	066-102	RES,FILM CHIP,1/10W 5% 1K OHMS	CRCW0805102J	M91637	R3,R5,R28,R48
052	5	066-181	RES,FILM CHIP,1/10W 5% 180 OHMS	4702102C-0181J	M06994	R2,R6,R10,R36,R56
056	5	066-203	RES,FILM CHIP,1/10W 5% 20K OHMS	CRCW0805203J	M91637	R4,R8,R9,R12,R13
058	5	066-222	RES,FILM CHIP,1/10W 5% 2.2K OHMS	CRCW0805222J	M91637	R1,R7,R11,R27,R47
062	2	066-681	RES,FILM CHIP,1/10W 5% 680 OHMS	CRCW0805681J	M91637	R26,R46
072	4	069-045	CAP, TANT CHIP 35V 10 UF	293D106X9035D2T	M52769	C5,C6,C9,C10

PART NUMBER : 2607-2002-2X

TITLE: PWA,AUDIO T-4580

SMT ONLY

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CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
076	7	069-201	CAP,TANTALUM CHIP 16V 10% 47 UF	PCT47/16DK	M0B5H1	C2,C3,C7,C11,C17,C19,C21
082	13	086-224	CAP,CER CHIP X7R 10% .22 UF	VJ1210Y224KXAMT	M95275	C1,C4,C8,C12,C13,C34,C35,C44,C45,C49,C50,C58,C59
084	2	086-474	CAP,CER CHIP X7R 10% .47 UF	VJ1812Y474KXAMT	M95275	C18,C20
090	12	092-001	CAP,CER CHIP NPO .0022 UF	12101A222FAT050B	M04222	C32,C33,C36,C37,C39,C41,C47,C48,C51,C52,C54,C56
092	2	092-011	CAP,CER CHIP NPO 1% 560 PF	VJ1206A561FXBMT	M95275	C40,C55
094	2	092-015	CAP,CER CHIP NPO 1% 100 PF	VJ1206A101FXBMT	M95275	C42,C57
096	2	092-016	CAP,CER CHIP NPO	VJ1206A102FXBMT	M95275	C38,C53
097	2	097-102	CAP,CER STB NPO 5% SMD .001 UF	08055A102JATMA	M04222	C43,C60
098	5	098-472	CAP,CER SEMI-STB X7R SMD.0047 UF	08055C472KATMA	M04222	C14,C15,C16,C31,C46
125	4	475-241	DIODE,RECTIFIER SCHOTTKY, 2500 REEL	MBRS130T3	M04713	CR8,CR9,CR10,CR11
130	5	475-293	DIODE,ZENER,5.1V,225MW SOT-23	MMBZ5231BL	M04713	CR1,CR2,CR3,CR4,CR5
132	2	475-298	DIODE ARRAY,LIMITER	SMDA12C	M14099	CR6,CR7
140	1	477-489	IC,OP AMP DUAL LINEAR	MC33078D	M04713	U6
150	2	502-039	IC,AMP DIFFERENTIAL 8P SOIC	AD830JR	M6H956	U7,U9
156	1	509-001	IC,ANALOG SWITCH SOIC	DG419DY	M17856	U10

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PART NUMBER : 2607-2002-2

TITLE: PWA,AUDIO T-4580

THRU HOLE

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<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2607-2002	PWA,AUDIO BOARD			
002	0	PL2607-2002	PWA,AUDIO BOARD			
003	0	D2607-2402	SCHEMATIC,AUDIO BOARD			
001	1	2607-2002-2X	PWA,AUDIO T-4580 SMT ONLY			
145	1	477-330	IC,VOLT REG,-12V 4% 7912 TO-220	LM2990T-12	M27014	U4
148	1	501-046	IC,VOLT REG,-8V 7908 TO-220	KA7908T	MODUN9	U5

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2003	REV D	PAGE 1 OF 11
TITLE PRINTED WIRING ASSEMBLY, RF ANALOG		CONTRACT NUMBER			DATE: 95-11-28
REVISIONS					
LTR	DESCRIPTION	DATE		APPROVED	
-	INITIAL RELEASE	95-11-29 95-11-29		ED WISE D.DAVIDSON	
A	DCR 722823, REPLACES REV - WITH CHANGE. COMPLETELY REVISED AND REDRAWN. MARK CHAN 96-06-21	96-07-08 96-07-22 96-07-08 96-07-08		C.DAVIDSON L.GUICHARD T.COCHRAN E.WISE	
B	DCR 723463	96-11-18 96-11-15		<i>C. Davidson</i> <i>Ed Wise</i>	
C	DCR 723465, 723623				
D	DCR 723466, 723626, 723661, REPLACES REV A WITH CHANGE. REVISED AND REDRAWN. MARK CHAN 96-10-17				

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2003	REV D	PAGE 2 OF
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NOTES: UNLESS OTHER SPECIFIED

1. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION
OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT
SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HBK-263.
2. VENDOR ITEM: SEE SPEC CONTROL DWG.

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PART NUMBER : 2607-2003-1X

TITLE: PWA,RF ANALOG

SMT ONLY

CAGE CODE: 59532

REV : D

CONTRACT NO.-

<u>END</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2607-2003	PWA,RF ANALOG,T-4180			
002	0	PL2607-2003	PWA,RF ANALOG			
003	0	D2607-2403	SCHEMATIC,RF ANALOG			
001	1	2607-2103-7	PWB,RF ANALOG,T-4180			
004	2	011-015	IND,CHIP 5% .15 UH	1008CS-151XJBC	M02113	L9,L61
005	1	011-016	IND,CHIP 5%(SEE TEXT NOTE).27 UH	1008CS-271XJBC	M02113	L15
006	4	011-024	IND,CHIP 10% 150 UH	WIC1812-151KT	203406	L21,L28,L64,L73
007	2	011-028	IND,CHIP 5% .12 UH	1008CS-121XJBC	M02113	L13,L14
008	1	011-017	IND,CHIP 5% .22 UH	1008CS-221XJBC	M02113	L62
009	9	011-030	IND,CHIP 5% .68 UH	1008CS-681XJBC	M02113	L1,L2,L3,L4,L6,L7,L8,L10,L63
010	1	011-035	IND,CHIP .330 UH	1008CS-331-XJBC	M02113	L5
011	1	011-039	IND,CHIP 5% .056 UH	1008CS-560XJBC	M02113	L11
037	2	014-204	XFMR,BALUN 2T 8-750 MHZ SMD	617PT-1019	MOPWP	T15,T16
038	3	027-202	IND,FERRITE BEAD,CHIP 10 UH	2743021446	M34899	E1,E2,E3
039	18	027-205	IND,FERRITE BEAD,CHIP U=250	CB50-0805	M7J069	E12,E13,E15,E16,E17,E18,E21,E22,E43,E44,E45,E46,E47,E48,E49,E50,E51,E52
040	23	027-217	IND,FERRITE CHIP,EMI FILTER	BLM31A601S	M32897	E28,E30,E32,E34,E36,E38,E40,E42,E53,E68,E69,E70,E71,E72,E73,E74,E75,E76,E77,E78,E79,E80,E81
041	2	040-163	RES,MF CHIP 1/8 W 1% 10.0K OHMS	MCR181002FX	M65940	R163,R164
042	2	041-001	RES,CHIP,1/10W,1%,0805 825 OHMS	RCI-0805-8250F	118927	R185,R186
044	1	062-001	RES,CHIP 1/2W 5% 10 OHMS	MCR50J100	M65940	R141
045	3	062-024	RES,CHIP 1/2W 5% 33 OHMS	MCR50J330	M65940	R124,R127,R130

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PART NUMBER : 2607-2003-1X

TITLE: PWA,RF ANALOG

SMT ONLY

CAGE CODE: 59532

REV : D

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
046	11	062-015	RES,CHIP 1/2W 5% 200 OHMS	MCR50J201	M65940	R115,R205,R212,R213,R215,R217,R219,R221,R223,R225,R227
047	2	062-042	RES,CHIP 1/2W 5% 20 OHMS	MCR50J200	M65940	R142,R143
048	1	062-021	RES,CHIP 1/2W 5% 120 OHMS	MCR50J121	M65940	R228
049	7	066-104	RES,FILM CHIP,1/10W 5% 100K OHMS	4702101C-0104J	M06994	R43,R54,R72,R159,R176,R181,R197
050	26	066-101	RES,FILM CHIP,1/10W 5% 100 OHMS	CRCW0805101J	M91637	R1,R2,R3,R4,R5,R6,R14,R17,R22,R55,R79,R140,R149,R150,R152,R169,R170,R178,R184,R187,R191,R192,R201,R202,R203,R206
051	15	066-102	RES,FILM CHIP,1/10W 5% 1K OHMS	CRCW0805102J	M91637	R19,R21,R24,R26,R40,R42,R56,R58,R63,R65,R123,R128,R131,R161,R183
052	23	066-103	RES,FILM CHIP,1/10W 5% 10K OHMS	CRCW0805103J	M91637	R11,R28,R35,R53,R73,R95,R98,R101,R104,R107,R110,R113,R116,R137,R138,R146,R147,R172,R174,R175,R177,R230,R231
053	6	066-120	RES,FILM CHIP,1/10W 5% 12 OHMS	CRCW0805120J	M91637	R30,R156,R160,R162,R165,R171
054	18	066-151	RES,FILM CHIP,1/10W 5% 150 OHMS	CRCW0805151J	M91637	R16,R94,R97,R100,R103,R106,R109,R112,R115,R154,R158,R214,R216,R218,R220,R222,R224,R226
055	5	066-152	RES,FILM CHIP,1/10W 5% 1.5K OHMS	CRCW0805152J	M91637	R126,R129,R132,R195,R198
056	3	066-154	RES,FILM CHIP,1/10W 5% 150K OHMS	CRCW0805154J	M91637	R145,R173,R179
057	6	066-221	RES,FILM CHIP,1/10W 5% 220 OHMS	CRCW0805221J	M91637	R20,R25,R32,R199,R204,R233
058	10	066-222	RES,FILM CHIP,1/10W 5% 2.2K OHMS	CRCW0805222J	M91637	R10,R18,R23,R29,R37,R34,R36,R71,R74,R232
059	5	066-270	RES,FILM CHIP,1/10W 5% 27 OHMS	CRCW0805270J	M91637	R31,R120,R121,R188,R189
060	5	066-332	RES,FILM CHIP,1/10W 5% 3.3K OHMS	CRCW0805332J	M91637	R68,R118,R122,R136,R166
062	2	066-390	RES,FILM CHIP,1/10W 5% 39 OHMS	CRCW0805390J	M91637	R66,R80
063	4	066-391	RES,FILM CHIP,1/10W 5% 390 OHMS	CRCW0805391J	M91637	R148,R151,R190,R193
065	5	066-431	RES,FILM CHIP,1/10W 5% 430 OHMS	CRCW0805431J	M91637	R7,R15,R155,R157,R210
066	5	066-472	RES,FILM CHIP,1/10W 5% 4.7K OHMS	CRCW0805472J	M91637	R38,R39,R51,R61,R82

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PART NUMBER : 2607-2003-1X

TITLE: PWA,RF ANALOG

SMT ONLY

CAGE CODE: 59532

REV: D

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
067	4	066-479	RES,FILM CHIP,1/10W 5% 4.7 OHMS	CRCW0805479J	M91637	R57,R64,R209,R211
068	11	066-510	RES,FILM CHIP,1/10W 5% 51 OHMS	CRCW0805510J	M91637	R8,R9,R12,R13,R27,R47,R48,R50,R59,R60,R153
069	3	066-560	RES,FILM CHIP,1/10W 5% 56 OHMS	CRCW0805560J	M91637	R49,R78,R117
070	1	066-750	RES,FILM CHIP,1/10W 5% 75 OHMS	CRCW0805750J	M91637	R200
072	2	066-682	RES,FILM CHIP,1/10W 5% 6.8K OHMS	CRCW0805682J	M91637	R167,R168
073	7	066-821	RES,FILM CHIP,1/10W 5% 820 OHMS	CRCW0805821J	M91637	R33,R52,R69,R83,R119,R196,R194
077	4	069-045	CAP,TANTALUM CHIP 35V 10 UF	293D106X9035D2T	M52769	C2,C3,C9,C265
079	10	069-201	CAP,TANTALUM CHIP 16V 10% 47 UF	PCT47/16DK	M0B5H1	C4,C6,C7,C10,C104,C112,C216,C223,C225,C239
080	40	086-224	CAP,CER CHIP X7R 10% .22 UF	VJ1210Y224KXAMT	M95275	C1,C5,C8,C82,C96,C97,C137,C147,C148,C154,C155,C161,C162,C168,C176,C179,C180,C182,C185,C187,C188,C190,C191,C192,C194,C195,C196,C253,C254,C255,C256,C259,C260,C261,C263,C270,C316,C317,C321,C323
082	2	097-220	CAP,CER STB NPO 5% SMD 22 PF	08055A220JATMA	M04222	C273,C289
083	1	097-222	CAP,CER STB NPO 5% SMD 2200 PF	12065A222JATMA	M04222	C304
084	3	097-471	CAP,CER STB NPO 5% SMD 470 PF	08055A471JATMA	M04222	C141,C143,C267
085	3	097-100	CAP,CER STB NPO 5% SMD 10 PF	08055A100JATMA	M04222	C90,C274,C275
086	9	097-101	CAP,CER STB NPO 5% SMD 100 PF	08055A101JATMA	M04222	C107,C108,C109,C124,C241,C243,C244,C257,C258
087	18	097-102	CAP,CER STB NPO 5% SMD .001 UF	08055A102JATMA	M04222	C11,C12,C13,C47,C50,C66,C80,C157,C158,C159,C165,C167,C222,C231,C235,C266,C294,C319
088	4	097-120	CAP,CER STB NPO 5% SMD 12 PF	08055A120JATMA	M04222	C116,C120,C276,C282
089	6	097-121	CAP,CER STB NPO 5% SMD 120 PF	08055A121JATMA	M04222	C88,C228,C300,C301,C303,C309
090	1	097-150	CAP,CER STB NPO 5% SMD 15 PF	08055A150JATMA	M04222	C114

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PART NUMBER : 2607-2003-1X

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CAGE CODE: 59532

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CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
091	4	097-151	CAP,CER STB NPO 5% SMD 150 PF	08055A151JATMA	M04222	C118,C131,C302,C312
092	1	097-829	CAP,CER STB NPO .25PF SMD 8.2 PF	08055A8R2CATMA	M04222	C272
093	3	097-180	CAP,CER STB NPO 5% SMD 18 PF	08055A180JATMA	M04222	C36,C38,C59
094	11	097-181	CAP,CER STB NPO 5% SMD 180 PF	08055A181JATMA	M04222	C26,C27,C29,C30,C115,C117,C126,C127,C128,C140,C229
095	1	097-270	CAP,CER STB NPO 5% SMD 27 PF	08055A270JATMA	M04222	C284
096	7	097-221	CAP,CER STB NPO 5% SMD 220 PF	08055A221JATMA	M04222	C45,C46,C60,C125,C135,C138,C271
097	2	097-182	CAP,CER STB NPO 5% SMD 1800 PF	12065A182JATMA	M04222	C164,C166
098	2	097-229	CAP,CER STB NPO .25PF SMD 2.2 PF	08055A2R2CATMA	M04222	C37,C39
099	4	097-271	CAP,CER STB NPO 5% SMD 270 PF	08055A271JATMA	M04222	C133,C145,C277,C308
101	3	097-330	CAP,CER STB NPO 5% SMD 33 PF	08055A330JATMA	M04222	C40,C280,C299
102	7	097-331	CAP,CER STB NPO 5% SMD 330 PF	08055A331JATMA	M04222	C68,C71,C72,C76,C134,C149,C314
103	1	097-332	CAP,CER STB NPO 5% SMD 3300 PF	12065A332JATMA	M04222	C310
104	7	097-390	CAP,CER STB NPO 5% SMD 39 PF	08055A390JATMA	M04222	C41,C89,C91,C92,C106,C268,C286
105	3	097-391	CAP,CER STB NPO 5% SMD 390 PF	08055A391JATMA	M04222	C132,C156,C306
106	5	097-470	CAP,CER STB NPO 5% SMD 47 PF	08055A470JATMA	M04222	C34,C139,C278,C279,C315
107	6	097-479	CAP,CER STB NPO .25PF SMD 4.7 PF	08055A4R7CATMA	M04222	C28,C35,C51,C58,C77,C262
108	13	097-560	CAP,CER STB NPO 5% SMD 56 PF	08055A560JATMA	M04222	C61,C84,C85,C86,C94,C111,C146,C230,C288,C290,C292,C295,C2 96
109	6	097-561	CAP,CER STB NPO 5% SMD 560 PF	08055A561JATMA	M04222	C142,C153,C160,C163,C281,C313
111	4	097-680	CAP,CER STB NPO 5% SMD 68 PF	08055A680JATMA	M04222	C93,C113,C293,C311
112	3	097-681	CAP,CER STB NPO 5% SMD 680 PF	08055A681JATMA	M04222	C17,C22,C152
114	6	097-820	CAP,CER STB NPO 5% SMD 82 PF	08055A820JATMA	M04222	C119,C144,C283,C285,C291,C305

PART NUMBER : 2607-2003-1X

TITLE: PWA,RF ANALOG

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CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
115	7	097-821	CAP,CER STB NPO 5% SMD 820 PF	08055A821JATMA	M04222	C16,C23,C150,C151,C287,C297,C298
120	37	098-103	CAP,CER SEMI-STB X7R SMD .01 UF	08055C103KATMA	M04222	C14,C15,C19,C24,C25,C31,C32,C33,C42,C43,C44,C52,C53,C55,C56,C57,C62,C63,C64,C65,C67,C69,C70,C73,C74,C75,C78,C87,C217,C218,C219,C221,C224,C226,C227,C246,C322
122	15	098-104	CAP,CER SEMI-STB X7R SMD 0.1 UF	12065C104KATMA	M04222	C48,C49,C232,C233,C234,C237,C240,C242,C245,C247,C248,C250,C264,C318,C320
123	37	098-473	CAP,CER SEMI-STB X7R SMD .047 UF	08055C473KATMA	M04222	C18,C20,C21,C79,C83,C95,C98,C105,C110,C121,C122,C123,C129,C130,C136,C171,C172,C173,C175,C177,C178,C181,C183,C184,C186,C189,C193,C207,C209,C210,C220,C236,C238,C249,C251,C252,C269
130	3	475-192	DIODE,SCHOTTKY,DUAL SER .41V@1MA	HSMS-2802	M54893	CR1,CR2,CR19
132	2	475-199	DIODE,SIGNAL 100V 4.0NS T,.2A,100V	FDSO1201.SA	M27014	CR20,CR22
134	16	475-239	DIODE,PIN SWITCHING SQ MELF	MA4P1250	M71506	CR3,CR4,CR5,CR6,CR7,CR8,CR9,CR10,CR11,CR12,CR13,CR14,CR15,CR16,CR17,CR18
135	1	475-289	DIODE,VARACTOR	MA4ST409MW	M71506	CR21
140	3	476-184	TRANSISTOR,SWITCHING NPN	MMBT2222A	M27014	Q18,Q24,Q25
141	8	476-195	TRANSISTOR,RF AMP NPN	MMBR2857	M04713	Q1,Q2,Q3,Q4,Q7,Q21,Q22,Q23
142	6	476-242	TRANSISTOR,RF LOW POWER 500 MHZ	MRF5812	M04713	Q5,Q8,Q9,Q11,Q13,Q14
143	4	475-241	DIODE,RECTIFIER SCHOTTKY, 2500 REEL	MBRS130T3	M04713	CR23,CR24,CR25,CR26
148	2	477-489	IC,OP AMP DUAL LINEAR	MC33078D	M04713	U18,U22
149	1	477-499	IC,SHIFT REG 8B,HCMOS SO16	74HC595D	M3V238	U9
150	3	477-503	IC,VOLT COMP,LINEAR	LM293D	M01295	U5,U10,U12
151	1	477-511	IC,HEX INVERT,SCHMITT,CMOS SO14	MC74HC14AD	M04713	U7
152	1	477-543	IC,VOLT REG,+8V .5A	MC78M08CDT	M04713	U2
153	3	477-610	IC,AMP CSCDBL DC-2GHZ MMIC SMD	MAR-3SM	M15542	U26,U27,U28

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PART NUMBER : 2607-2003-1X

TITLE: PWA,RF ANALOG

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CAGE CODE: 59532

REV: D

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
154	1	502-020	IC,VIDEO AMP LOW NOISE	AD829JR	M6H956	U25
155	1	502-039	IC,AMP DIFFERENTIAL 8P SOIC	AD830JR	M6H956	U24
156	1	503-004	IC,DIV 5/6 2-MODULUS PRESCALER	MC12009FN	M04713	U13
157	1	503-014	IC,BIN COUNTER PRESETABLE SMD	74AC161M	M34371	U16
159	1	504-024	IC,SERIAL IN DRVR 8 BIT	MIC5841BWM	M60496	U8
161	3	506-006	IC,2 IN NAND GATE CMOS	CD74ACT00M	M34371	U15,U19,U21
162	2	506-015	IC,DUAL BIN RIPPLE CNTR	MC74HC390D	M04713	U14,U17
163	1	506-016	IC,DUAL D F/F CMOS SOIC	74ACT74SC	M27014	U20
165	1	509-002	IC QUAD ANALOG SPST	DG601DY	M17856	U23
167	1	509-014	IC,SWITCH,SPDT DC TO 2 GHZ	MSWA-2-20	M15542	U11
168	1	479-024	MIXER,2-500MHZ,+17DBM SMD	JMS-1H	M15542	Z1
170	1	479-030	MIXER,1.6-30MHZ,+23DBM	X2HM6A	M0HR85	Z2
180	2	450-003-1	SHIELD EMI,FENCE,1.00 X 1.00 X .23	14R-CBS-1.0X1.0X.35	M4J674	
181	1	450-004-1	SHIELD EMI,FENCE,1.00 X 1.50 X .23	14R-CBS-1.0X1.5X.35	M4J674	
182	1	450-010-1	SHIELD EMI,FENCE,1.75 X 3.00 X .23	14R-CBS-1.75X3.0X.35	M4J674	
183	1	450-016-1	SHIELD EMI,FENCE,1.00 X 3.00 X .23	14R-CBS-1.0X3.0X.35	M4J674	
184	1	450-017-1	SHIELD,EMI,FENCE,1.75 X 2.50 X .23	14R-CBS-1.75X2.5X.35	M4J674	
185	1	450-018-1	SHIELD,EMI,FENCE,1.50 X 2.00 X .23	14R-CBS-1.5X2.0X.35	M4J674	

PART NUMBER : 2607-2003-1

TITLE: PWA,RF ANALOG,T-4180 THRU HOLE

CAGE CODE: 59532

REV : D

CONTRACT NO. -

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2607-2003	PWA,RF ANALOG,T-4180			
002	0	PL2607-2003	PWA,RF ANALOG			
003	0	D2607-2403	SCHEMATIC,RF ANALOG			
002	1	2607-2003-1X	PWA,RF ANALOG SMT ONLY			
003	1	2600-5007-11	CABLE ASSY,COAX,RG-316 4.50"			
008	0	782-065	LABELS,.75" X .25" 10,000 P/PK	DAT-96-652	M62619	
012	2	012-430	INDUCTOR,TOROID,23T 1.5 UH	CCI DRAWING	M59532	L25,L31
013	3	012-421	INDUCTOR,TOROID,20T 1.1 UH	CCI DRAWING	M59532	L22,L26,L27
014	1	012-563	COIL,TOROID 22T 30 GA 1.3 UH	CCI DRAWING	M59532	L71
015	2	012-566	COIL,TOROID 31T 32 GA 3.2 UH	CCI DRAWING	M59532	L36,L37
016	2	012-570	COIL,TOROID 37T 34 GA 3.7 UH	CCI DRAWING	M59532	L35,L40
017	1	012-577	COIL,TOROID 1.9 UH	CCI DRAWING	M59532	L30
018	2	012-582	COIL,TOROID 0.27 UH	CCI DRAWING	M59532	L17,L66
019	2	012-583	COIL,TOROID 0.33 UH	CCI DRAWING	M59532	L16,L67
020	1	012-584	COIL,TOROID 0.39 UH	CCI DRAWING	M59532	L12
021	2	012-585	COIL,TOROID 0.75 UH	CCI DRAWING	M59532	L24,L69
022	1	012-586	COIL,TOROID 0.87 UH	CCI DRAWING	M59532	L23
023	2	012-587	COIL,TOROID 2.1 UH	CCI DRAWING	M59532	L29,L34
024	1	012-588	COIL,TOROID 2.8 UH	CCI DRAWING	M59532	L32
025	2	012-589	COIL,TOROID 5.9 UH	CCI DRAWING	M59532	L38,L43
026	2	012-590	COIL,TOROID 8.9 UH	CCI DRAWING	M59532	L41,L46
133	1	040-053	THERMISTOR,@ 25 C 200 OHMS	20F732	011007	TH1
144	3	900-132	TRANSISTOR,RF AMP 1.7GHZ TO39 ISO	NE74114	M61892	Q15,Q16,Q17
169	1	487-215	FILTER,40.455 MHZ ROOFING SPEC	487-215	M59532	FL1

**CUBIC COMMUNICATIONS***A member of the Cubic Corporation family of companies***BILL OF MATERIAL**

10/29/96

PAGE - 3 / 1

PART NUMBER : 2607-2003-1

TITLE: PWA,RF ANALOG,T-4180 THRU HOLE

CAGE CODE: 59532

REV : D

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
171	1	900-131	FILTER,CERAMIC,455 KHZ BW=26KHZ	CFS455C	M32897	FL2
190	0	779-027	REMOVABLE THREADLOCKER (22231)	24231 LOCTITE #242	M05972	

PARTS LIST		DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2001-1	REV C	PAGE 1 OF 11
TITLE PRINTED WIRING ASSEMBLY, DIGITAL, T-4180			CONTRACT NUMBER			DATE: 95-12-04
REVISIONS						
LTR	DESCRIPTION			DATE		APPROVED
B	DCR 723587, REPLACES REV A WITH CHANGE. P/L NOT AFFECTED. JIM BRAY 96-11-08			96-12-11 96-12-08 96-12-12		C DAVIDSON T COCHRAN L GUICHARD
C	DCR 720309, REPLACES REV B WITH CHANGE. ADDED C294 098-104. JIM BRAY 97-05-27			97-06-06 97-6-18 97-6-22 6-12-97		<i>Genito Perez</i> <i>7/6</i> <i>C. Davidson</i> <i>Guichard</i>

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2607-2001-1	REV C	PAGE 2 OF
NOTES: UNLESS OTHER SPECIFIED 1. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HBK-263. 2. VENDOR ITEM: SEE SPEC CONTROL DWG.					

14:22:28
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 1
05/23/1997

PRINT OPTION: TEXT ADDED TO PRINT
EXCLUSIONS: CT: RBCTU, WC[x], REVS

PARENT: 2607-2001-1

DESC: PWA,DIGITAL,T-4180

THRU HOLE

OPTION: P

DRWG: D2607-2001

UM: EA

MB: M

REV: C

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION	M C Q REV	B T T IN OUT	QUANTITY	UM	EFFECTIVITY	IN	OUT	LTOS	PCNT
	DWGPL	001	D2607-2001	PWA,DIGITAL,T-4180	M X I		0	EA	010190			0	0.0
	DWGPL	002	PL2607-2001	PWA,DIGITAL T-4180	M X I		0	EA	010190			0	0.0
	DWGPL	003	D2607-2401	SCHEMATIC,DIGITAL,T-4180	M X I		0	EA	010190			0	0.0
	KITPL	001	2607-2001-1X	PWA,DIGITAL,T-4180	SMT ONLY M N I		1	EA	010190			0	0.0
	KITPL	035	014-206	XFMR,TOROID 3T:12T	M N I		1	EA	010190			0	0.0
				T1									
	KITPL	360	073-136	CAP,ELECTROLYTIC,16V	330 UF B N I		2	EA	010190			0	0.0
				C22,C23									
	KITPL	400	081-104	CAP,SEMI-STABLE CERAMIC	.1 UF B N I		1	EA	010190			0	0.0
				C-									
	KITPL	610	146-085	TEST POINT,YELLOW	LOOP B N I		15	EA	010190			0	0.0
				TP1,TP2,TP3,TP4,TP5,TP6,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP20,TP21									
	KITPL	615	152-023	TRANSDUCER,MINIATURE AUDIO	B N I		1	EA	010190			0	0.0
				LS1									
	KITPL	701	322-009	CONN,HEADER,.100 ST LK 8 PIN GLD	B N I		1	EA	010190			0	0.0
				P8									
	KITPL	704	322-078	CONN,HEADER 4PIN .098" SER S267	B N I		1	EA	010190			0	0.0
				P1									
	KITPL	770	477-283	IC VOLTAGE REG. POWER	B N I		1	EA	010190			0	0.0
				U30									
	KITPL	775	477-285	IC,VOLT REG,-12V 5% POWER	B N I		1	EA	010190			0	0.0
				U31									
	KITPL	950	672-069	WIRE,ELECT SOLDERLESS WRAP,BLK	B N I		0	IN	010190			0	0.0

* * * * * END OF REPORT * * * * *

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 1
05/23/1997

PRINT OPTION: TEXT ADDED TO PRINT
EXCLUSIONS: CT: RBCTU, WC[x], REVS

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

DRWG: D2607-2001

UM: EA

MB: M

REV: C

OPTION: P

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION	M C Q REV	B T T IN OUT	QUANTITY	UM	EFFECTIVITY	SCRAP		
									IN	OUT	LTOS	PCNT
DWGPL	001	D2607-2001		PWA,DIGITAL,T-4180	M X I		0	EA	010190		0	0.0
DWGPL	002	PL2607-2001		PWA,DIGITAL T-4180	M X I		0	EA	010190		0	0.0
DWGPL	003	D2607-2401		SCHEMATIC,DIGITAL,T-4180	M X I		0	EA	010190		0	0.0
KITPL	002	2607-2101-7		PWB,DIGITAL,T-4180	B N I		1	EA	010190		0	0.0
KITPL	005	2607-3001-1		IC,PGMD FLASH MEM CNTL VER 1.12 U47	M N I		1	EA	010190		0	0.0
KITPL	006	2600-3002-2		IC,PGMD GAL CONT LOGIC VER 1.0 U40	M N I		1	EA	010190		0	0.0
KITPL	008	2607-3004-1		IC,PGMD CPLD D-A CONT VER 1.0 U7	M N I		1	EA	010190		0	0.0
KITPL	009	2802-3003-1		IC,PGMD DSP BOOT PROG VER 1.01 U10	M N I		1	EA	010190		0	0.0
KITPL	010	2607-3005-1		IC,PGMD XILINX SERIAL VER 1.0 U22	M N I		1	EA	010190		0	0.0
KITPL	015	260373-1		IC,PGMD GAL KYPD ENCDR VER 1.00 U50	M N I		1	EA	010190		0	0.0
KITPL	020	012-533		IND,COIL LF TOROID L1,L3	B N I		2	EA	010190		0	0.0
KITPL	030	013-472		IND,COIL,CHIP RF SHIELDED 4.7 UH L2	B N I		1	EA	010190		0	0.0
KITPL	040	027-202		IND,FERRITE BEAD,CHIP 10 UH E6,E7,E8	B N I		3	EA	010190		0	0.0
KITPL	045	027-217		IND,FERRITE CHIP,EMI FILTER E13,E15,E16,E17,E18,E19,E20,E21,E22,E23,E27,E28,E30	B N I		13	EA	010190		0	0.0
KITPL	060	040-234		RES,MF CHIP 1/8 W 1 2.37K OHMS R69	B N I		1	EA	010190		0	0.0
KITPL	062	040-237		RES,MF CHIP 1/8 W 1 1.87K OHMS R75	B N I		1	EA	010190		0	0.0

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 2
05/23/1997

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

OPTION: P

DRWG: D2607-2001

UM: EA

MB: M

REV: C

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION		M	C	Q	REV		EFFECTIVITY	SCRAP	
						B	T	T	IN	OUT	QUANTITY	UM	
											IN	OUT	
											LTOS	PCNT	
	KITPL	065	040-238	RES,MF CHIP 1/8 W 1% 221 OHMS R76,R94		B	N	I			1	EA	010190 0 0.0
	KITPL	075	050-016	RES NETWORK,SOIC 16-POS,10K X 16 UR1,UR2		B	N	I			2	EA	010190 0 0.0
	KITPL	085	064-399	RES,FILM CHIP 1% 1206 R131	9.09K	B	N	I			1	EA	010190 0 0.0
	KITPL	087	064-400	RES,FILM CHIP 1% 1206 R125	4.42K	B	N	I			1	EA	010190 0 0.0
	KITPL	088	064-401	RES,FILM CHIP 1% 1206 R121,R122	1.21K	B	N	I			2	EA	010190 0 0.0
	KITPL	089	064-402	RES,FILM CHIP 1% 1206 R123	23.2K	B	N	I			1	EA	010190 0 0.0
	KITPL	091	064-403	RES,FILM CHIP 1% 1206 R117	5.62K	B	N	I			1	EA	010190 0 0.0
	KITPL	093	064-404	RES,FILM CHIP 1% 1206 R116	17.8K	B	N	I			1	EA	010190 0 0.0
	KITPL	095	064-405	RES,FILM CHIP 1% 1206 R114	37.4K	B	N	I			1	EA	010190 0 0.0
	KITPL	100	064-406	RES,FILM CHIP 1% 1206 R110	12.1K	B	N	I			1	EA	010190 0 0.0
	KITPL	102	064-407	RES,FILM CHIP 1% 1206 R107,R109	52.3K	B	N	I			2	EA	010190 0 0.0
	KITPL	104	064-408	RES,FILM CHIP 1% 1206 R103	34K	B	N	I			1	EA	010190 0 0.0
	KITPL	106	040-157	RES,MF CHIP 1/8 W 1% R92	100K OHMS	B	N	I			1	EA	010190 0 0.0
	KITPL	110	064-411	RES,FILM CHIP 1% 1206 R100	46.4K	B	N	I			1	EA	010190 0 0.0

PT	USE	SEQN	COMPONENT	DESCRIPTION		M C Q REV	B T T IN OUT	QUANTITY UM	EFFECTIVITY	SCRAP		
									IN	OUT	LTOS	PCNT
KITPL	111	064-412		RES,FILM CHIP 1% 1206 R95,R104,R111,R118,R127	5.49K		B N I	5 EA	010190		0	0.0
KITPL	113	064-413		RES,FILM CHIP 1% 1206 R98,R99	931 OHMS		B N I	2 EA	010190		0	0.0
KITPL	115	064-414		RES,FILM CHIP 1% 1206 R102	392K		B N I	1 EA	010190		0	0.0
KITPL	119	064-416		RES,FILM CHIP 1% 1206 R128,R129	1.27K		B N I	2 EA	010190		0	0.0
KITPL	121	064-417		RES,FILM CHIP 1% 1206 R96,R97,R119,R120	10 OHMS		B N I	4 EA	010190		0	0.0
KITPL	123	064-418		RES,FILM CHIP 1% 1206 R105,R106	1K OHMS		B N I	2 EA	010190		0	0.0
KITPL	125	064-419		RES,FILM CHIP 1% 1206 R101,R108,R115,R124,R142,R143,R144,R147,R148	10K OHMS		B N I	9 EA	010190		0	0.0
KITPL	128	064-421		RES,FILM CHIP 1% 1206 R130	11K OHMS		B N I	1 EA	010190		0	0.0
KITPL	130	064-422		RES,FILM CHIP 1% 1206 R126	2K OHMS		B N I	1 EA	010190		0	0.0
KITPL	132	064-423		RES,FILM CHIP 1% 1206 R112,R113	1.1K OHMS		B N I	2 EA	010190		0	0.0
KITPL	134	066-224		RES,FILM CHIP,1/10W 5% R93,R94	220K OHMS		B N I	2 EA	010190		0	0.0
KITPL	160	066-100		RES,FILM CHIP,1/10W 5% R77,R152,R153	10 OHMS		B N I	3 EA	010190		0	0.0
KITPL	162	066-101		RES,FILM CHIP,1/10W 5% R10,R133,R150,R151	100 OHMS		B N I	4 EA	010190		0	0.0
KITPL	163	066-102		RES,FILM CHIP,1/10W 5% R3,R149	1K OHMS		B N I	2 EA	010190		0	0.0

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 5
05/23/1997

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

DRWG: D2607-2001

UM: EA

MB: M

REV: C

OPTION: P

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION	M C Q	REV	B T T	IN	OUT	QUANTITY	UM	EFFECTIVITY	IN	OUT	LTOS	PCNT	SCRAP	
	KITPL	550	097-102	CAP,CER STB NPO 5% SMD C31,C87,C293	.001	UF	B	N	I		3	EA	010190			0	0.0	
	KITPL	560	097-180	CAP,CER STB NPO 5% SMD C30	18	PF	B	N	I		1	EA	010190			0	0.0	
	KITPL	568	097-221	CAP,CER STB NPO 5% SMD C134	220	PF	B	N	I		1	EA	010190			0	0.0	
	KITPL	575	097-270	CAP,CER STB NPO 5% SMD C132,C133	27	PF	B	N	I		2	EA	010190			0	0.0	
	KITPL	600	098-103	CAP,CER SEMI-STB X7R SMD C141,C142,C143,C144,C145,C146,C147,C148,C149	.01	UF	B	N	I		9	EA	010190			0	0.0	
	KITPL	602	098-104	CAP,CER SEMI-STB X7R SMD C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C20, C21,C25,C28,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46, C47,C48,C49,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,C76,	0.1	UF	B	N	I		82	EA	010190			0	0.0	
	KITPL	603	REF DESIGNATORS	CONTINUATION OF SEQUENCE # ABOVE C130,C135,C140,C152,C153,C154,C155,C156,C157,C158,C159,C160, C161,C162,C163,C164,C165,C166,C167,C168,C169			M	X	I		0	EA	010190			0	0.0	
	KITPL	700	322-076	CONN,HEADER 24 PIN DBL ROW P2		SMD	B	N	I		1	EA	010190			0	0.0	
	KITPL	702	322-077	CONN,HEADER 34 PIN DBL ROW P3		SMD	B	N	I		1	EA	010190			0	0.0	
	KITPL	706	322-080	CONN,HEADER 12 PIN DBL ROW P4,P5		SMD	B	N	I		2	EA	010190			0	0.0	
	KITPL	709	341-081	SOCKET,PLCC,SQ U7	44	PIN	B	N	I		1	EA	010190			0	0.0	
	KITPL	710	341-082	SOCKET,PLCC,RECTANGULAR U10,U47	32	PIN	B	N	I		2	EA	010190			0	0.0	
	KITPL	713	341-083	SOCKET,PLCC,SQ U36	68	PIN	B	N	I		1	EA	010190			0	0.0	

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 4
05/23/1997

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

OPTION: P

DRWG: D2607-2001

UM: EA

MB: M

REV: C

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION	M C Q REV	B T T IN OUT	QUANTITY	UM	EFFECTIVITY	IN	OUT	LTOS	PCNT
	KITPL	164	066-103	RES,FILM CHIP,1/10W 5% 10K OHMS R60,R61,R64,R65,R67,R68,R71,R72,R73,R138,R139	B N I		11	EA	010190			0	0.0
	KITPL	166	066-104	RES,FILM CHIP,1/10W 5% 100K OHMS R4,R66,R74,R78,R135	B N I		5	EA	010190			0	0.0
	KITPL	168	066-153	RES,FILM CHIP,1/10W 5% 15K OHMS R62	B N I		1	EA	010190			0	0.0
	KITPL	180	066-201	RES,FILM CHIP,1/10W 5% 200 OHMS R11,R136	B N I		2	EA	010190			0	0.0
	KITPL	190	066-225	RES,FILM CHIP,1/10W 5% 2.2M OHMS R93	B N I		1	EA	010190			0	0.0
	KITPL	195	066-472	RES,FILM CHIP,1/10W 5% 4.7K OHMS R134,R140,R141,R145	B N I		4	EA	010190			0	0.0
	KITPL	205	066-333	RES,FILM CHIP,1/10W 5% 33K OHMS R12,R137	B N I		2	EA	010190			0	0.0
	KITPL	230	066-470	RES,FILM CHIP,1/10W 5% 47 OHMS R132	B N I		1	EA	010190			0	0.0
	KITPL	255	066-752	RES,FILM CHIP,1/10W 5% 7.5K OHMS R63,R146	B N I		2	EA	010190			0	0.0
	KITPL	300	069-044	CAP,TANTALUM CHIP 35V 1.0 UF C93,C94,C136,C138,C139	B N I		5	EA	010190			0	0.0
	KITPL	302	069-045	CAP,TANTALUM CHIP 35V 10 UF C26,C27,C29,C32,C33,C77,C137,C290	B N I		8	EA	010190			0	0.0
	KITPL	304	069-046	CAP,TANTALUM CHIP 16V 22 UF C1,C150,C151	B N I		3	EA	010190			0	0.0
	KITPL	350	069-200	CAP,TANTALUM CHIP 16V 10% 2.2 UF C75,C84,C289,C291,C292	B N I		5	EA	010190			0	0.0
	KITPL	352	069-201	CAP,TANTALUM CHIP 16V 10% 47 UF C85,C86,C260,C261,C262,C263	B N I		6	EA	010190			0	0.0

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 6
05/23/1997

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

OPTION: P

DRWG: D2607-2001

UM: EA

MB: M

REV: C

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION	M C Q REV	B T T IN OUT	QUANTITY	UM	EFFECTIVITY	IN	OUT	LTOS	PCNT	SCRAP
	KITPL	755	475-241	DIODE,RECTIFIER SCHOTTKY, 2500 REEL CR1,CR3		B N I	2	EA	010190			0	0.0	
	KITPL	757	475-299	DIODE,LED LOW PROFILE RED CR4		B N I	1	EA	010190			0	0.0	
	KITPL	760	476-183	TRANSISTOR,MOSFET N CHANNEL Q1,Q2		B N I	2	EA	010190			0	0.0	
	KITPL	765	476-211	TRANSISTOR,DUAL MOSFET N-CHAN SOIC U33		B N I	1	EA	010190			0	0.0	
	KITPL	790	477-416	IC,OP AMP DUAL LINEAR U35		B N I	1	EA	010190			0	0.0	
	KITPL	792	477-489	IC,OP AMP DUAL LINEAR U21		B N I	1	EA	010190			0	0.0	
	KITPL	795	477-494	IC,QUAD 2-INPUT OR GATE ACTMOS U53		B N I	1	EA	010190			0	0.0	
	KITPL	800	477-513	IC,OCTAL BUS XC CMOS U48		B N I	1	EA	010190			0	0.0	
	KITPL	804	477-534	IC,OCTAL D LATCH ACMOS U44		B N I	1	EA	010190			0	0.0	
	KITPL	808	477-599	IC,MICROPROC,16 BIT 16MHZ CMOS U36		B N I	1	EA	010190			0	0.0	
	KITPL	815	486-174	CRYSTAL,SURFACE MOUNT 32 MHZ Y1		B N I	1	EA	010190			0	0.0	
	KITPL	840	501-031	IC,VOLT REG ADJ SMD U39		B N I	1	EA	010190			0	0.0	
	KITPL	860	502-040	IC,UNIVERSAL ACTIVE FILTER SMD U60,U61,U62,U63,U64		B N I	5	EA	010190			0	0.0	
	KITPL	866	504-008	IC,ASYNCR SERIAL INTFC U51		B N I	1	EA	010190			0	0.0	

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 7
05/23/1997

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

DRWG: D2607-2001

UM: EA

MB: M

REV: C

OPTION: P

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION	M	C	Q	REV	B	T	I	N	O	U	T	QUANTITY	UM	EFFECTIVITY	IN	OUT	LTOS	PCNT
	KITPL	867	504-028	TRANSCEIVER,RS-485 SOIC 8 U52	B	N	I									1	EA	010190			0	0.0
	KITPL	870	505-009	IC,CONV A/D 16BIT 10US U17	20P	SOIC			B	N	I					1	EA	010190			0	0.0
	KITPL	872	505-010	IC,CONV D/A,16BIT U26	24P	PLCC			B	N	I					1	EA	010190			0	0.0
	KITPL	875	505-014	IC,CONV A/D,12BIT CMOS U24	28P	SOIC			B	N	I					1	EA	010190			0	0.0
	KITPL	900	506-006	IC,2 IN NAND GATE CMOS U37					B	N	I					1	EA	010190			0	0.0
	KITPL	904	506-019	IC,HEX INVERTER CMOS U4	SOIC				B	N	I					1	EA	010190			0	0.0
	KITPL	905	506-020	IC,HEX SCHMITT TRIG INV U34					B	N	I					1	EA	010190			0	0.0
	KITPL	906	506-035	IC,OCTAL D F/F CMOS SOIC U41,U42					B	N	I					2	EA	010190			0	0.0
	KITPL	908	506-043	IC,SHIFT REG 8 BIT CMOS U38					B	N	I					1	EA	010190			0	0.0
	KITPL	909	506-061	IC,OCTAL D LATCH CMOS TRANSPARENT U45					B	N	I					1	EA	010190			0	0.0
	KITPL	912	506-065	IC,EDGE-TRIG D-TYPE,16BIT U13,U14,U15,U25	48P	SSOP			B	N	I					4	EA	010190			0	0.0
	KITPL	915	506-066	IC,QUAD 2-INPUT NOR GATE U8	SOIC				B	N	I					1	EA	010190			0	0.0
	KITPL	917	506-067	IC,1 OF 8 DECODER U43					B	N	I					1	EA	010190			0	0.0
	KITPL	921	506-084	IC,GATE ARRAY,FIELD PROGRAM PQ100 U16					B	N	I					1	EA	010190			0	0.0

14:22:37
FUNCTION: ASBL

CUBIC COMMUNICATIONS, INC.
SINGLE LEVEL BILL OF MATERIAL

PAGE: 8
05/23/1997

PARENT: 2607-2001-1X

DESC: PWA,DIGITAL,T-4180

SMT ONLY

DRWG: D2607-2001

UM: EA

MB: M

REV: C

OPTION: P

EFFECTIVITY DATE: 052397

EFFECTIVE REV: C

PT	USE	SEQN	COMPONENT	DESCRIPTION		M	C	Q	REV	B	T	T	IN	OUT	QUANTITY	UM	EFFECTIVITY	IN	OUT	LTOS	PCNT
	KITPL	925	507-010	IC,DSP 50 MHZ,PQFP U6	132P	B	N	I							1	EA	010190			0	0.0
	KITPL	927	507-012	IC,RESET CIRCUIT,4.63V U9,U32	SOT-23	B	N	I							2	EA	010190			0	0.0
	KITPL	930	508-003	IC,32KX8 SRAM 120NS CMOS U46		B	N	I							1	EA	010190			0	0.0
	KITPL	932	508-006	IC,8KX8 EEPROM PAGED CMOS U49		B	N	I							1	EA	010190			0	0.0
	KITPL	940	508-018	IC,STATIC RAM,64K X 16 U11,U12	44P SOJ	B	N	I							2	EA	010190			0	0.0
	KITPL	945	509-001	IC,ANALOG SWITCH SOIC U18		B	N	I							1	EA	010190			0	0.0

* * * * * END OF REPORT * * * * *

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS SYSTEMS	CAGE CODE 5 9 5 3 2	PL 260245	PAGE 1 of 3
TITLE PRINTED WIRING ASSEMBLY, SERIAL REMOTE		CONTRACT NUMBER		REV - DATE 93-09-07
REVISIONS				
LTR	DESCRIPTION	DATE	APPD	
-	INITIAL RELEASE S. MINDT 93-09-07	93-09-07 93-09-08 93-9-8	C. Dandya J. Wright J. Suckard	

NOTES: UNLESS OTHERWISE SPECIFIED

1. *ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HDBK-263.*
2. *VENDOR ITEM: SEE SPEC CONTROL DWG.*

PART NUMBER
260245-1TITLE
PWA, SERIAL REMOTEREV
/

REV DATE

CONTRACT NUMBER
CCI

CHANGE CONTROL NUMBER:

AUTHENTICATION:

ORIG. DATE: 92/04/10

ESDS	FIND NO.	QTY REQD	CAGE CODE	PART OR IDENTIFYING NO. NOTES	SPECIFICATION	DESCRIPTION	MATERIAL	HCI/HCP
****	****	*****	*****	*****	*****	*****	*****	****
	1	AR		-1		ASSEMBLY		
	2	1		260247-7		PWB, SERIAL REMOTE		
	3	AR		SN63WRMAP2	784-007	SOLDER, WIRE FLUX CORE		
	4	AR		SN63PRMAA2	784-003	SOLDER, PASTE		
	5	AR		M43553-II-WHT	781-017	INK, NON-CONDUCTING		
	6	AR		M4614621ATN	779-031	ADHESIVE/SEALANT, CLR (30Z		
	7	1		260375-1		MICROCIRCUIT, CODED		
	9	1	34649	N82510	504-008	MICROCIRCUIT, ASYNC SERIAL	U1	
	10	1	1ES66	MAX232EWE	504-015	MICROCIRCUIT, RS-232 DRVR/	U3	
	11	1	04713	MC34050D	504-009	MICROCIRCUIT, DUAL 422/423	U4	
	12	1	98739	LH1061AAC	477-603	RELAY, SOLID-STATE DPST	U5	
	13	1	65940	MCR18JW471		RESISTOR, FXD FILM CHIP 1/	R1	
	14	5	56289	293D106X9035D2T	069-045	CAPACITOR, FXD TANT CHIP 7	C5-C9	
	15	4	91293	C1210C104K5RAC	091-104	CAP, CER CHIP, SEMI-STABLE	C1-C4	
	16	1	27264	15-45-3524	322-081	CONNECTOR, RCPT DBL ROW 24	J1	
	17	1	27264	10-89-1266	322-085	HEADER, 2-ROW BREAKAWAY 26	P1	
		REF		260246		SCHEMATIC, SERIAL REMOTE		
		REF		260249		ARTWORK, SOLDER PASTE MASK		

PARTS LIST	DESIGN ACTIVITY CUBIC COMMUNICATIONS	CAGE CODE 59532	PL 262005	PAGE 1 of 5
TITLE PRINTED WIRING ASSEMBLY, POWER SUPPLY		CONTRACT NUMBER		REV A B1 DATE 93-11-08
REVISIONS				
LTR	DESCRIPTION	DATE	APPD	
-	INITIAL RELEASE S. MUNDT 93-03-30	93-4-7 3-30-93	C. Davidson Ed Wise	
A	DCR 718500: DWG ONLY AFFECTED. S. MUNDT 93-11-08	93-11-09 93-11-12 93-11-12 93-11-11	C. Davidson J. Wright Ed Wise	
B1	FN 60 PN 458-107 WAS 458-081. ADDED FN 146, 147, 148. DISFN: RWK S. MUNDT 93-12-07	93-12-06 93-12-7 93-12-17 93-12-08	C. Davidson Ed Wise	
EXPEDITED MASTER				

PART NUMBER
262005-1TITLE
PWA, POWER SUPPLYREV
A B /REV DATE CONTRACT NUMBER
CCI

CHANGE CONTROL NUMBER:

AUTHENTICATION:

ORIG. DATE: 93/05/01

ESDS	FIND NO.	QTY REQD	CAGE CODE	PART OR IDENTIFYING NO.	SPECIFICATION	DESCRIPTION	MATERIAL	HCI/HCP
****	****	*****	*****	*****	*****	*****	*****	****
	1	AR		-1		ASSEMBLY		
	2	1		262007-7		PWB, POWER SUPPLY		
	3	AR		SN63WRMAP2	784-007	SOLDER, WIRE FLUX CORE		
	4	AR		SN63PRMAA2	784-003	SOLDER, PASTE		
	5	AR		M43553-II-WHT	781-017	INK, NON-CONDUCTING		
	6	AR	05972	LOCTITE TAK-PAK #382		ADHESIVE KIT (382-00239)		
	8	3	95275	VJ1206Y472KXEMT	085-472	CAPACITOR, FXD CER CHIP (T	C5, C14, C24	
	10	7	95275	VJ1210Y224KXAMT	086-224	CAPACITOR, FXD CER CHIP (T	C9, C12, C13, C17, C18 C32, C33	
	12	8	95275	VJ1812Y474KXAMT	086-474	CAPACITOR, FXD CER CHIP (T	C6, C22, C26, C27, C28, C29 C30, C31	
	18	1		CE151J3N0	086-151	CAP, CER CHIP, NPO, 5%	C23	
	20	2	04222	12061A102JAT050B	086-102, 091-102	CAPACITOR, FXD CER CHIP NP	C15, C16	
	23	1	95275	VJ1206A561FXEMT	092-011	CAPACITOR, FXD CER CHIP NP	C11	
	26	2	60705	440LD22	072-109	CAPACITOR, FIXED CERAMIC A	C1, C3	
	29	2	4U402	F1772-347-2000	090-010	CAPACITOR, FIXED POLYESTER	C2, C4	
	32	2	1W344	KMH250V221M	073-146	CAPACITOR (BPN)	C7, C8	
	34	1	55680	UVT1V221MPH	073-135	CAPACITOR, FIXED AL ELE	C10	
	36	2	1W344	KME35VB471M10X20LL	073-126	CAPACITOR, FIXED ELECTROLY	C21, C25	

PART NUMBER
262005-1TITLE
PWA, POWER SUPPLYREV
A B1REV DATE CONTRACT NUMBER
CCT

CHANGE CONTROL NUMBER:

AUTHENTICATION:

ORIG. DATE: 93/05/01

ESDS	FIND	QTY	CAGE	PART OR IDENTIFYING NO.	SPECIFICATION	DESCRIPTION	MATERIAL	HCI/ HCP
****	****	*****	*****	*****	*****	*****	*****	****
	38	1	61058	ECE-A1VFS102	073-138	CAP, ELECTROLYTIC, 35V	C19	
	40	1	61058	ECA1CFQ222L	073-150	CAPACITOR, FIXED AL ELECTR	C20	
	45	1		260347-1		INDUCTOR, DUAL TOROIDAL	L6	
	47	3		012-350		TOROID COIL, 16 uH	L3, L4, L5	
	49	1		260366-1		INDUCTOR, COUPLED	L2	
	53	1		259135-1		TRANSFORMER, GATE DRIVE	T1	
	55	1		260290-1		TRANSFORMER, POWER	T2	
	58	1	28198	CEB13W3F30000	324-047	CONNECTOR, D-SUBMIN COMBO-	P1	
	60	2	83330	8832 B1537B-1/4-11	458-081 458-107	STANDOFF, 4-40		
	63	3	65940	MCR18JW100	056-100	RESISTOR, FXD FILM CHIP 1/	R7, R17, R19	
	65	4	65940	MCR18JW301		RESISTOR, FXD FILM CHIP 1/	R1, R15, R34, R38	
	66	2	65940	MCR18JW102	056-102	RESISTOR, FXD FILM CHIP 1/	R4, R39	
	67	3	65940	MCR18JW681		RESISTOR, FXD FILM CHIP 1/	R2, R14, R26	
	69	5	65940	MCR18JW302		RESISTOR, FXD FILM CHIP 1/	R10, R16, R18, R24, R33	
	71	5	65940	MCR18JW473		RESISTOR, FXD FILM CHIP 1/	R11, R12, R13, R40, R41	
	75	1	56637	MCR1206-9.09K-1%-T		RESISTOR, FXD FILM CHIP (T	R9	

PART NUMBER
262005-1TITLE
PWA, POWER SUPPLYREV
ABREV DATE CONTRACT NUMBER
OCI

CHANGE CONTROL NUMBER:

AUTHENTICATION:

ORIG. DATE: 93/05/01

ESDS	FIND NO.	QTY REQD	CAGE CODE	PART OR IDENTIFYING NO. NOTES	SPECIFICATION	DESCRIPTION	MATERIAL	HCI/HCP
****	****	*****	*****	*****	*****	*****	*****	****
	77	4	56637	MCR1206-15K-1%-T	040-241	RESISTOR, FXD FILM CHIP (T	R28, R30, R32, R36	
	79	1	56637	MCR1206-69.8K-1%-T		RESISTOR, FXD FILM CHIP (T	R31	
	81	1	56637	MCR1206-174K-1%-T	040-240	RESISTOR, FXD FILM CHIP (T	R29	
	83	3	56637	MCR1206-200K-1%-T	040-242	RESISTOR, FXD FILM CHIP (T	R25, R27, R35	
	95	2	65940	MCR50JW270		RESISTOR, FXD FILM CHIP 1/	R3, R23	
	98	2	59124	RM73B3AT1R0J	062-034	RESISTOR, FXD FILM CHIP 1W	R21, R22	
	100	2		RC-I-2512-1003-J	062-030	RESISTOR, FXD FILM CHIP	R5, R6	
	102	1		RC-I-2512-6803-J	062-031	RESISTOR, FXD FILM CHIP	R8	
	105	1	75042	CHP2-100-27R0-J-CST		RESISTOR, FXD FILM CHIP (T	R37	
	108	1	17826	2SS80	040-247	THERMISTOR, INSULATED 40-O	TH1	
	120	1		V275LA10	475-132	VARISTOR, METAL OXIDE	VR8	
	123	2	04713	1SMB5927BT3	475-247	DIODE, ZENER 12V	VR1, VR6	
	124	3	04713	1SMB5931BT3	475-248	DIODE, ZENER 18V	VR2, VR3, VR4	
	125	2	04713	1SMB5934BT3	475-249	DIODE, ZENER 24V	VR5, VR7	
	126	2	04713	MBRS130T3	475-241	DIODE, RECTIFIER SCHOTTKY	CR4, CR5	
	128	3	04713	MURS160T3	475-242	DIODE, RECTIFIER SMT	CR6, CR7, CR8	

PART NUMBER
262005-1TITLE
PWA, POWER SUPPLYREV
A E1REV DATE CONTRACT NUMBER
OCI

CHANGE CONTROL NUMBER:

AUTHENTICATION:

ORIG. DATE: 93/05/01

ESDS	FIND NO.	QTY REQD	CAGE CODE	PART OR IDENTIFYING NO. NOTES	SPECIFICATION	DESCRIPTION	MATERIAL	HCI/HCP
****	****	*****	*****	*****	*****	*****	*****	****
	132	1	04713	MDC3063	477-378	MICROCIRCUIT, OPTOISOLATOR	U1	
	134	2	04713	MDC8102	477-575	MICROCIRCUIT, OPTOISOLATOR	U3, U4	
	136	2	04713	MC33161D	510-003	MICROCIRCUIT, VOLTAGE MONI	U6, U7	
	138	1	0AGS1	ML4811CS	501-028	MICROCIRCUIT, PWM CNTRLR H	U2	
	140	1	27014	LP2951AQM	477-475	MICROCIRCUIT, VOLTAGE REGU	U5	
	143	6	50811	ME151-202	146-085	TEST POINT, YEL	TP1, TP2, TP3, TP4, TP5, TP6	
	144	2		MS51957-13	MS51957	SCREW, PAN HD		
	145	2		MS35338-135	767-048, 767-056	WASHER, LOCK		
		REF		262006		SCHEMATIC, POWER SUPPLY		
		REF		262009		ARTWORK, SOLDERPASET, POWER		

BI 146 1 MS51957-27
 BI 147 1 MS35338-136
 BI 148 1 NAS62026

715-046
 767-052
 768-097

PARTS LIST		DESIGN ACTIVITY CUBIC COMMUNICATIONS, INC.	CAGE CODE 59532	DRAWING NUMBER 2600-2003	REV J	PAGE 1 OF 8
TITLE PRINTED WIRING ASSEMBLY, REF AND LO			CONTRACT NUMBER		DATE: 94-07-29	
REVISIONS						
LTR	DESCRIPTION			DATE	APPROVED	
D	DCR 721547 REPLACES REV C WITH CHANGE. REVISED AND REDRAWN. JIM BRAY 95-09-08			96-09-08 96-09-08 96-09-08 96-09-11	M. NORMAN C. DAVIDSON C. WINKLER L. GUICHARD	
E	DCR 722773			96-11-11	M. NORMAN	
F	DCR 723662			96-10-13	C. Davidson	
G	DCR 723764 REPLACES REV D WITH CHANGE. REVISED AND REDRAWN. MARK CHAN 96-10-16			96-10-13 97-1-13	C. Davidson L. Guichard	
H	DCR 723777: DELETED ITEM 202 PN 260391-2.			97-1-13	M. NORMAN	
J	DCR 726059A: R135 0Ω WAS 10Ω. R134, R136 215Ω WERE 240Ω. R132, R133 732Ω WERE 620Ω. S. MUNDT 97-10-30			97-1-13 97-11-20 1-21-97	C. Davidson L. Guichard	

PARTS LIST

DESIGN ACTIVITY
CUBIC COMMUNICATIONS, INC.CAGE CODE
59532

DRAWING NUMBER

2600-2003

REV

J

PAGE 2 OF

NOTES: UNLESS OTHER SPECIFIED

1. ELECTROSTATIC DISCHARGE CONTROL PROGRAM FOR PROTECTION
OF ELECTRICAL AND ELECTRONIC PARTS, ASSEMBLIES AND EQUIPMENT
SHALL BE IN ACCORDANCE WITH MIL-STD-1686 AND DOD-HBK-263.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DWG.
3. SOLDER PASTE SHALL CONFORM WITH REQUIREMENTS OF QQ-S-571,
COMPOSITIONS SN60, SN62 OR SN63, FORM P, FLUX TYPE R OR RMA.

BILL OF MATERIAL

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PART NUMBER : 2600-2003-1X

TITLE: PWA,REF & LO

SMT ONLY

CAGE CODE: 59532

REV : J

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2600-2003	PWA,REF & LO			
002	0	PL2600-2003	PWA,REF & LO			
003	0	D2600-2403	SCHEMATIC,REF & LO			
003	1	2600-2103-7	PWB,REF & LO			
004	0	784-007	SOLDER,WIRE FLUX .020 DIA SN63	SN63WRMAP2	MQPL	
005	0	784-011	SOLDER,PASTE WATER SOLUBLE WS1705	WS-1705	M1P067	
006	0	781-017	INK,WHITE NON-CONDUCTING	M43553-II-WHT	MQPL	
008	0	782-065	LABELS,.75" X .25"	DAT-96-652	M62619	
010	4	011-028	IND,CHIP 5% .12 UH	1008CS-121XJBC	M02113	L3,L5,L11,L13
011	2	011-029	IND,CHIP 5% .18 UH	1008CS-181XJBC	M02113	L4,L12
012	6	011-030	IND,CHIP 5% .68 UH	1008CS-681XJBC	M02113	L6,L8,L14,L16,L17,L18
013	1	011-031	IND,CHIP 5% 1.0 UH	1008CS-102XJBC	M02113	L15
015	1	011-033	IND,CHIP 10% 100 UH	LQH3N101K04M01	M32897	L7
022	2	041-040	RES,CHIP,1/10W,1%,0805 732 OHM	CRCW08057320F	M91637	R132,R133
023	2	041-041	RES,CHIP,1/10W,1%,0805 215 OHM	CRCW08052150F	M91637	R134,R136
024	1	066-000	RES,FILM CHIP,1/10W 5% 0 OHMS	MCR10J000	M65940	R135
025	1	027-202	IND,FERRITE BEAD,CHIP 10 UH	2743021446	M34899	E7
026	9	027-203	IND,FERRITE BEAD,CHIP 6.0 NH	2743019446	M34899	E4,E5,E6,E23,E24,E25,E26,E27,E28
028	2	056-102	RES,FILM CHIP,1/8W 5% 1K OHMS	MCR18102J	M65940	R176,R177
029	3	066-152	RES,FILM CHIP,1/10W 5% 1.5K OHMS	CRCW0805152J	M91637	R33,R161,R196

BILL OF MATERIAL

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PART NUMBER : 2600-2003-1X

TITLE: PWA,REF & LO

SMT ONLY

CAGE CODE: 59532

REV : J

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
030	4	066-100	RES,FILM CHIP,1/10W 5% 10 OHMS	CRCW0805100J	M91637	R41,R46,R165,R171
031	19	066-101	RES,FILM CHIP,1/10W 5% 100 OHMS	CRCW0805101J	M91637	R4,R18,R30,R31,R36,R48,R55,R85,R88,R96,R105,R107,R108,R127,R131,R150,R157,R162,R174
032	10	066-102	RES,FILM CHIP,1/10W 5% 1K OHMS	CRCW0805102J	M91637	R15,R16,R20,R47,R93,R126,R142,R158,R178,R182
033	27	066-103	RES,FILM CHIP,1/10W 5% 10K OHMS	CRCW0805103J	M91637	R1,R2,R25,R26,R27,R29,R42,R43,R44,R45,R50,R51,R52,R80,R84,R91,R92,R100,R137,R138,R139,R140,R145,R154,R160,R169,R193
034	13	066-151	RES,FILM CHIP,1/10W 5% 150 OHMS	CRCW0805151J	M91637	R7,R32,R37,R38,R39,R40,R57,R70,R71,R72,R74,R89,R159
035	5	066-154	RES,FILM CHIP,1/10W 5% 150K OHMS	CRCW0805154J	M91637	R28,R83,R144,R166,R167
036	18	066-180	RES,FILM CHIP,1/10W 5% 18 OHMS	CRCW0805180J	M91637	R8,R11,R21,R63,R66,R67,R69,R75,R76,R101,R102,R113,R118,R119,R120,R122,R141,R185
037	5	066-121	RES,FILM CHIP,1/10W 5% 120 OHMS	CRCW0805121J	M91637	R22,R24,R98,R128,R130
038	2	066-182	RES,FILM CHIP,1/10W 5% 1.8K OHMS	CRCW0805182J	M91637	R59,R81
039	6	066-222	RES,FILM CHIP,1/10W 5% 2.2K OHMS	CRCW0805222J	M91637	R77,R87,R146,R148,R155,R173
040	2	066-223	RES,FILM CHIP,1/10W 5% 22K OHMS	CRCW0805223J	M91637	R78,R121
041	1	066-241	RES,FILM CHIP,1/10W 5% 240 OHMS	CRCW0805241J	M91637	R197
042	12	066-271	RES,FILM CHIP,1/10W 5% 270 OHMS	CRCW0805271J	M91637	R3,R54,R112,R114,R115,R151,R152,R153,R175,R186,R187,R188
043	4	040-163	RES,MF CHIP 1/8 W 1% 10.0K OHMS	MCR181002FX	M65940	R64,R65,R103,R104
044	2	066-392	RES,FILM CHIP,1/10W 5% 3.9K OHMS	CRCW0805392J	M91637	R12,R13
045	8	066-391	RES,FILM CHIP,1/10W 5% 390 OHMS	CRCW0805391J	M91637	R5,R19,R56,R58,R90,R95,R123,R168
046	4	066-390	RES,FILM CHIP,1/10W 5% 39 OHMS	CRCW0805390J	M91637	R68,R73,R110,R124
047	10	066-471	RES,FILM CHIP,1/10W 5% 470 OHMS	4702101C-0471J	M06994	R10,R14,R35,R49,R116,R117,R163,R170,R180,R194
048	5	066-510	RES,FILM CHIP,1/10W 5% 51 OHMS	CRCW0805510J	M91637	R23,R94,R109,R129,R195

BILL OF MATERIAL

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PART NUMBER : 2600-2003-1X

TITLE: PWA,REF & LO

SMT ONLY

CAGE CODE: 59532

REV : J

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
050	8	066-621	RES,FILM CHIP,1/10W 5% 620 OHMS	CRCW0805621J	M91637	R53,R60,R61,R62,R79,R143,R147,R149
051	3	066-680	RES,FILM CHIP,1/10W 5% 68 OHMS	CRCW0805680J	M91637	R9,R17,R106
052	6	066-682	RES,FILM CHIP,1/10W 5% 6.8K OHMS	CRCW0805682J	M91637	R82,R86,R125,R164,R172,R198
054	2	066-472	RES,FILM CHIP,1/10W 5% 4.7K OHMS	CRCW0805472J	M91637	R34,R156
055	2	066-301	RES,FILM CHIP,1/10W 5% 300 OHMS	CRCW0805301J	M91637	R6,R192
056	1	066-750	RES,FILM CHIP,1/10W 5% 75 OHMS	CRCW0805750J	M91637	R99
057	4	066-201	RES,FILM CHIP,1/10W 5% 200 OHMS	CRCW0805201J	M91637	R97,R111,R190,R191
060	1	069-045	CAP,TANTALUM CHIP 35V 10 UF	293D106X9035D2T	M52769	C54
061	17	069-201	CAP,TANTALUM CHIP 16V 10% 47 UF	PCT47/16DK	M0B5H1	C1,C6,C17,C29,C47,C49,C51,C61,C66,C73,C74,C85,C95,C102,C104,C116,C160
069	2	097-689	CAP,CER STB NPO .25PF SMD 6.8 PF	08055A6R8CATMA	M04222	C39,C94
070	7	097-101	CAP,CER STB NPO 5% SMD 100 PF	08055A101JATMA	M04222	C20,C21,C30,C75,C77,C80,C105
071	16	097-102	CAP,CER STB NPO 5% SMD .001 UF	08055A102JATMA	M04222	C5,C19,C41,C42,C43,C44,C65,C84,C101,C106,C118,C120,C128,C134,C136,C140
080	46	098-103	CAP,CER SEMI-STB X7R SMD .01 UF	08055C103KATMA	M04222	C3,C4,C7,C9,C14,C15,C16,C18,C26,C27,C28,C37,C38,C60,C62,C63,C64,C67,C69,C71,C72,C76,C78,C81,C86,C91,C96,C98,C100,C103,C107,C112,C119,C121,C126,C127,C130,C144,C145,C146,C148,C14C150,C152,C154,C157
081	31	098-104	CAP,CER SEMI-STB X7R SMD 0.1 UF	12065C104KATMA	M04222	C36,C40,C45,C46,C53,C59,C68,C79,C82,C83,C90,C122,C123,C124,C125,C135,C156,C162,C163,C164,C166,C167,C168,C169,C170,C17C172,C173,C174,C175,C176
082	3	098-472	CAP,CER SEMI-STB X7R SMD.0047 UF	08055C472KATMA	M04222	C2,C97,C117
083	25	098-473	CAP,CER SEMI-STB X7R SMD .047 UF	08055C473KATMA	M04222	C8,C10,C11,C31,C32,C33,C48,C50,C52,C87,C88,C89,C99,C114,C11C137,C138,C139,C141,C142,C147,C151,C153,C155,C180
084	1	098-333	CAP,CER SEMI-STB X7R SMD .033 UF	08055C333KATMA	M04222	C70

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PART NUMBER : 2600-2003-1X

TITLE: PWA,REF & LO

SMT ONLY

CAGE CODE: 59532

REV : J

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
089	6	097-681	CAP,CER STB NPO 5% SMD 680 PF	08055A681JATMA	M04222	C34,C35,C92,C93,C158,C159
090	4	092-023	CAP,CER CHIP 1% 18 PF	VJ1206A180FXBMT	M95275	C22,C25,C108,C111
091	2	097-391	CAP,CER STB NPO 5% SMD 390 PF	08055A391JATMA	M04222	C131,C132
092	4	092-010	CAP,CER CHIP NPO 1% 68 PF	VJ1206A680FXBMT	M95275	C23,C24,C109,C110
093	2	097-910	CAP,CER STB NPO 5% SMD 91 PF	VJ0805A910JXAMT	M95275	C129,C133
094	1	097-331	CAP,CER STB NPO 5% SMD 330 PF	08055A331JATMA	M04222	C143
109	1	475-297	DIODE,SILICON,DUAL,SERIAL SMD	MMBD1203	M27014	CR11
111	3	475-199	DIODE,SIGNAL 100V 4.0NS T,.2A,100V	FDSO1201.SA	M27014	CR2,CR4,CR6
112	2	475-289	DIODE,VARACTOR	MA4ST409MW	M71506	CR1,CR5
113	4	475-192	DIODE,SCHOTTKY,DUAL SER .41V@1MA	HSMS-2802	M54893	CR7,CR8,CR9,CR10
114	1	476-186	TRANSISTOR,SWITCHING PNP	MMBT2907A	M27014	Q23
120	12	476-184	TRANSISTOR,SWITCHING NPN	MMBT2222A	M27014	Q5,Q6,Q9,Q10,Q11,Q16,Q17,Q18,Q19,Q20,Q21,Q22
121	8	476-195	TRANSISTOR,RF AMP NPN	MMBR2857	M04713	Q2,Q3,Q4,Q7,Q8,Q13,Q14,Q15
122	2	476-243	TRANSISTOR,HF NPN SOT-23	MMBR571LT1	M04713	Q1,Q12
130	4	477-489	IC,OP AMP DUAL LINEAR	MC33078D	M04713	U1,U6,U9,U15
131	1	477-568	IC,DIV BY 16/17,32/33 ECL	MB503PF	M61271	U7
132	1	477-503	IC,VOLT COMP,LINEAR	LM293D	M01295	U16
133	1	477-499	IC,SHIFT REG 8B,HCMOS SO16	74HC595D	M3V238	U4
135	1	502-043	IC,OP AMP,CFB SO-8 SMD	LT1223CS8	M64155	U18
139	3	506-006	IC,2 IN NAND GATE CMOS	CD74ACT00M	M34371	U11,U12,U17
140	1	506-016	IC,DUAL D F/F CMOS SOIC	74ACT74SC	M27014	U10

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PART NUMBER : 2600-2003-1X

TITLE: PWA,REF & LO

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CAGE CODE: 59532

REV : J

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
141	1	506-041	IC,QUAD 2 IN XOR CMOS SOI	MC74AC86D	M04713	U3
149	1	503-011	IC,PLL FREQ SYNTH 90MHZ SO16 SMD	MB87086A-PF	M61271	U2
151	7	014-204	XFMR,BALUN 2T 8-750 MHZ SMD	617PT-1019	MOPWP	T2,T3,T4,T6,T8,T9,T10
152	1	503-013	IC,PHASE DET 80 MHZ SOIC SMD	MC12040 FN	M04713	U14
153	1	479-021	MIXER,.5-500 MHZ SMD	LRMS-1	M15542	Z1
154	1	503-009	IC,10 DIVIDER 1.1 GHZ SO8 SMD	MC12080D	M04713	U5
158	1	503-015	IC,SYNTH 15 MHZ SMD	MB87006A PF	M61271	U8
160	2	450-009-1	SHIELD EMI,FENCE,1.50 X 2.50 X .35	14R-CBS-1.5X2.5X.35	M4J674	
162	1	450-010-1	SHIELD EMI,FENCE,1.75 X 3.00 X .35	14R-CBS-1.75X3.0X.35	M4J674	

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PART NUMBER : 2600-2003-1

TITLE: PWA,REF & LO

THRU HOLE ONLY

CAGE CODE: 59532

REV : J

CONTRACT NO.-

<u>FND</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>VENDOR P/N</u>	<u>CAGE</u>	<u>REFERENCE DESIGNATORS/NOTES</u>
001	0	D2600-2003	PWA,REF & LO			
002	0	PL2600-2003	PWA,REF & LO			
003	0	D2600-2403	SCHEMATIC,REF & LO			
001	1	2600-2003-1X	PWA,REF & LO SMT ONLY			
020	2	014-205	XFMR,10T:1T CT			T1,T7
021	1	014-194	TRANSFORMER,4T:1T CT	014-194	M59532	T5
027	1	052-248	RES,VARIABLE 25-TURN,10K	3296Y-1-103	M32997	R179
067	1	081-684	CAP,SEMI-STABLE CERAMIC .68 UF	C330C684K5R5CA	M31433	C113
068	2	081-474	CAP,SEMI-STABLE CERAMIC .47 UF	C330C474K5R5CA	M31433	C12,C13
110	1	475-092	DIODE,VARACTOR 120 PF	KSV1404	M61322	CR3
145	1	485-019	OSCILLATOR,TCXO 10.000MHZ	485-019	M31482	Y1
164	1	2600-4417-7	SHIELD,VCO OUTPUT LOOP			
165	1	2600-4418-7	SHIELD,MIXER OUTPUT LOOP			

[illegible]

PART NUMBER
260340-1TITLE
PWA, AC LINE FILTERREV
/REV DATE CONTRACT NUMBER
CCI

CHANGE CONTROL NUMBER:

AUTHENTICATION:

ORIG. DATE: 93/02/25

ESDS	FIND	QTY	CAGE	PART OR IDENTIFYING NO.	SPECIFICATION	DESCRIPTION	MATERIAL	HCI/ HCP
****	****	*****	*****	*****	*****	*****	*****	****
	1	AR		-1		ASSEMBLY		
	2	1		260342-7		PWB, AC LINE FILTER		
	3	AR		SN63WPMAP2	QQ-S-571	SOLDER, WIRE FLUX CORE		
	5	AR		M43553-II-WHT	MIL-I-43553	INK, NON-CONDUCTING		
	6	AR		M4614621ATN	MIL-A-46146	ADHESIVE/SEALANT, CLR (3OZ		
	8	3		V275LA10	475-132	VARISTOR, METAL OXIDE	RV1, RV2, RV3	
	11	2		260351-1		INDUCTOR	L1, L2	
	14	1		260352-1		INDUCTOR	L3	
	17	1	3D568	T50J1M0	046-105	RESISTOR, FIXED CARBON FIL	R1	
	20	1	4U402	F1772-422-2000	090-011	CAP, POLYESTER FILM AC ACR	C1	
	23	2	60705	440LD22	072-109	CAPACITOR, FIXED CERAMIC A	C2, C3	
	26	4	79963	836	146-067	TERMINAL, MALE	J1, J2, J3, J4	
	29	4	88245	B1537B-3/16-11	458-157	STANDOFF, 4-40		
	32	3	51506	112390-N-1		SCREW, PAN HD NYLON 10-32X		
	35	3		10-32 NYLON	455-140	NUT, NYLON, HEX		
		REF		260341		SCHEMATIC, AC LINE FILTER		