Table 6-13. A3A6 Single Sideband Mixer PCB Assembly (cont)

REF OES	DESCRIPTION	FLUKE Stock No.	MFG SPLY COOE	MFG PART NO.	TOT 9TY	REC QTY
	DOC MONT DIVIN AN A A A COLU	46 8222	04637	CMF551001F	REF	
R57	RES, MTL. FILM, 1K +/-1%, 1/8W	168229			REF	
158	RES, MTL. FILM, 1K +/-1%, 1/8W	16,8229				
359	RES. DEP. CAR. 51 +/-5%, 1/4W	414540			1	
R60		168195			2	
R6 1	RES, MTL. FILM, 562 +/-1%, 1/8W	340828			2	
R62	RES, MTL. FILM, 68.1 +/-1\$, 1/8W RES, MTL. FILM, 49.9 +/-1\$, 1/8W RES, MTL. FILM, 100 +/-1\$, 1/8W RES, MTL. FILM, 562 +/-1\$, 1/8W RES, MTL. FILM, 68.1 +/-1\$, 1/8W	305995	91637	CMF5568R1F	2	
R63	RES, MTL. FILM, 49.9 +/~1%, 1/8W	305896	91637	CMF5549R9F	REF	
R6 4	RES, MTL. FILM, 100 +/-1%, 1/8W	168195	91637	CMF551000F	REF	
R65	RES, MTL. FILM, 562 +/-1%, 1/8W	340828	91637	CMF555620F	REF	
866					REF	
167	RES. MTL. FILM, 49.9 +/-1%, 1/8W RES. MTL. FILM, 15.0 +/-1%, 1/8W RES, MTL. FILM, 15.0 +/-1%, 1/8W RES. COMP, 68 +/-10%, 1/8W RES. COMP, 100 +/-10%, 1/8W	305896	91637	CMF5549R9F CMF5515R0F CMF5515R0F	REF	
168	RES, MTL. FILM, 15.0 +/-1%, 1/8W	296434	91637	CMF5515ROF	2	
₹69	RES, MTL. FILM, 15.0 +/-1\$, 1/8W	296434	91637	CMF5515ROF	REF	
70	RES, COMP, 68 +/-10%, 1/8W	261818	01121	BB6 80 1	1	
71	RES, COMP, 100 +/-10\$, 1/8W	261826	01121	BB1011	2	
72	RES, COMP, 100 +/-10%, 1/8W	2 6 1826	01121	BB1011 62395-1834 MC1697P	REF	
P1-6	CONNECTOR (FASTON TAP)	512889	02660	62395-1834	6	
1	IC, ECL 1600 SER DIV-BY-4 GHZ PRSCALER	4 7 2787	04713	MC1697P	2	1
2	IC, ECL, DUAL TYPE "D" M-S, F/F	525345	04713	MC10231L	2	1
3	IC, DUAL TYPE "D" MASTER SLAVE FLIP FLOP	535492	04713	MC10131L	2	1
Ħ	IC, ECL, DUAL TYPE "D" M-S, F/F	525345	04713	MC10231L MC1697P 492785 492819 LM307N	REF	
5	IC, ECL 1600 SER DIV-BY-4 GHZ PRECALER	472787	04713	MC1697P	REF	
6	IC, HYBRID, 15DB AMP	492785		492785	1	1
7	IC. HYBRID. 6DB AMP	492819		492819	1	1
8	IC, LINEAR, OP-AMP	413740	12040	LM307N	1	1
1 9	IC, LINEAR, OP-AMP IC, ECL, PHASE FREQUENCY DETECTOR	472779	12040	LF386N	1	1
110	IC. ECL. PHASE FREQUENCY DETECTOR	525311	04713	MC12040L	1	1
J11	IC. L.O RF ISOLATION >30DB	24273	09230	525493	2	1
112	IC, L.O RF ISOLATION >30DB IC, L.O RF ISOLATION >30DB	525493	89536	525493	REF	
113	IC, HYBRID, 8DB AMP	492801	89536	492801	1	1
114	XSTR. LIN, ARRAY, 2-PNP, 16-PIN DIP	418954	02735	CA3096E	1	1
115	TC. LINEAR. OP-AMP	418566	12040	CA3096 E LM358N SN74LS74N	1	1
16	IC, TTL DUAL D-TYPE FLIP-FLOP	393124	01295	SN74LS74N	1	1
17	IC, DUAL TYPE "D" MASTER SLAVE FLIP FLOP	535492	04713	MC10131L	REF	
1	CABLE ASSEMBLY, RF	530774		530774		
39	CABLE ASSEMBLY, SSB/VCO	537779	89536	537779	1	
39 Q1	TRANSISTOR PAD, SPACER (NOT SHOWN)	152207	07047	10123-DAP	1	
U1	SOCKET COMPONENT LEAD (NOT SHOWN)	376418			81	
บ 1 บี2	SOCKET, COMPONENT LEAD (NOT SHOWN) SOCKET, IC. 16-PIN DIP	370312	_	316-AG39D	5	
U2 U3	SOCKET, IC, 16-FIN DIP	370312		316-AG39D	REF	
U4	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	REF	
U4 U5	SOCKET, COMPONENT LEAD (NOT SHOWN)	376418	22526	75060-007	REF	
_	SOCKET, COMPONENT LEAD (NOT SHOWN)	376418	22526	75060-007	REF	
U6		376418	22526	75060-007	REF	
บ7 บ8	SOCKET, COMPONENT LEAD (NOT SHOWN) SOCKET, IC, 8-PIN	478016	91506	308-AG39D	3	
fio	SOCKET TO REDIN	478016	91506	308-AG39D	REF	
U9	SOCKET, IC, 8-PIN		12040		2	
U10	SOCKET, 14-PIN	370304		75060-007	REF	
U11	SOCKET, COMPONENT LEAD (NOT SHOWN)	376418	22526			
	SOCKET, COMPONENT LEAD (NOT SHOWN)	376418		75060-007	REF	
U12 V13	SOCKET, COMPONENT LEAD (NOT SHOWN)	376418	22526	75060-007	REF	

Table 6-13. A3A6 Single Sideband Mixer PCB Assembly (cont)

REF Des	DESCRIPTION	STOCK SP	FG PLY IDE	MFG PART NO.	TOT QTY	REC QTY	O T E
XU14 XU15	SOCKET, IC, 16-PIN DIP SOCKET, IC, 8-PIN	478016 9	1506 1506	316-AG39D 308-AG39D	REF REF REF		
XU16 XU17	SOCKET, 14-PIN SOCKET, IC, 16-PIN DIP	0,1-0-	2040 1506	MM74C906N 316-AG39D	REF		

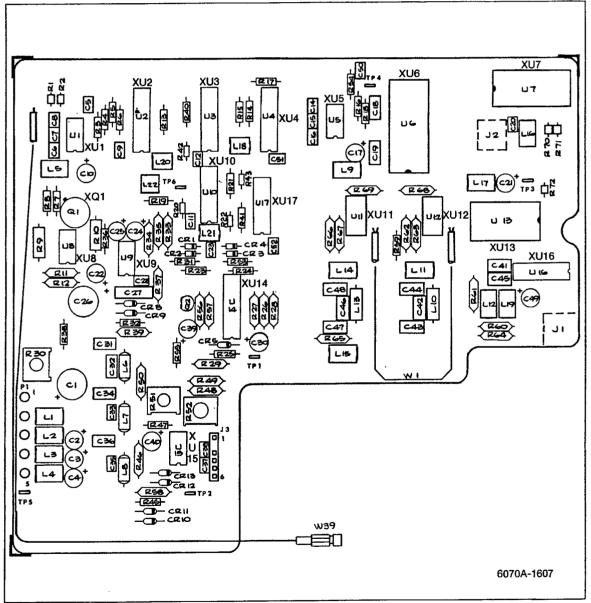


Figure 6-13. A3A6 Single Sideband Mixer PCB Assembly

Table 6-14. A3A7 Sub Synthesizer PCB Mixer

		FLUKE	MFG			
REF Des	OESCRIPTION	STOCK No.	SPLY CODE	MFG PART NO.	TOT QTY	REC QTY
		1 10.	CODE			L
3A7Ø	SUB SYNTHESIZER PCB ASSEMBLY FIGURE 6-14 (6070A-4011T)	46 3554	89536	46 3554	REF	
	124012 0 11 (00102 10112)					
1	CAP, TA, 68 UF +/-20%, 15V	193615			1	
2	CAP, TA, 10 UF +/-20\$, 15V	193623	56289	196D106X0015A1	21	
3	CAP, TA, 10 UF +/-20≸, 15V	193623	56289	196D106X0015A1	REF	
14	CAP, TA, 10 UF +/-20\$, 15V	193623	-	- · · · · · · · · · · · · · · · · · · ·	REF	
5	CAP, TA, 10 UF +/-20%, 15V	193623	-	-	REF	
6	CAP, TA, 10 UF +/-20\$, 15V	193623			REF	
7	CAP, CER. 0.22 UF +/-20\$, 50V	309849	72982	8131-050-651-022	7	
8	CAP, CER. 430 PF +/-5%, 50V	528489	89536	528489	2	
9	CAP, PLASTIC, 0.47 UF +/-10%, 50V				2	
10	CAP, TA, 10 UF +/-20\$, 15V	193623			REF	
11	CAP, TA, 10 UF +/-20%, 15V	193623			REF	
12	CAP, CER. 430 PF +/-5#, 50V	528489	89536	528489	REF	
13	CAP, POLY, 510 PF +/-5%, 630V		12954		1	
14	CAP, POLY, 1200 PF +/-5\$, 63V	513713		• • • • • • • • • • • • •	1	
16	CAP, PLASTIC, 0.47 UF +/-10%, 50V	27 1858		· - · · ·	REF	
17	CAP, POLY, 1300 PF +/-5\$, 63V	513127	12954		1	
18	CAP, POLY, 7500 PF +/-5\$, 63V	528430	12954	B31063/7500/5/63	1	
19	CAP, POLY, 8200 PF +/-5%, 63V	513739		B31063/8200/5/63	1	
20	CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 0.001 UF +/-20\$, 500V	402966	72982		9	
21	CAP, CER, 0.001 UF +/-20%, 500V			8121-A100-W5 R-102M	1	
22 23	CAP, CER. 0.001 UF +/-20%, 500V CAP, POLY, 100 PF +/-1%, 63V	402966 528372	72982 12051		REF 1	
_		720312	12334	231003/100/1/03	•	
24	CAP, TA, 10 UF +/-20\$, 15V CAP, POLY, 470 PF +/-1\$, 63V CAP, CER, 0.001 UF +/-20\$, 500V		56289		REF	
25	CAP, PULI, 470 PF +/-1%, 63V	528356		B31063/470/1/63	1	
226	CAP, CER, 0.001 UF +/-20\$, 500V	402966			REF	
:27 :28	CAP, CER. 0.001 UF +/-20\$, 500V CAP, CER. 0.22 UF +/-20\$, 50V	402966 309849	72982 72082	8121-A100-W5R-102M 8131-050-651-022	REF REF	
,20	only only 0,22 of 47-20#, joy	303043	12302	0131-050-051-022	REF	
29	CAP, CER. 0.22 UF +/-20%, 50V	309849	72982	8131-050-651-022	REF	
30	CAP, TA, 10 UF +/-20%, 15V	193623			REF	
31	CAP, TA, 10 UF +/-20%, 15V			196D106X0015A1	REF	
32	CAP, CER. 0.22 UF +/-20\$, 50V	309849		8131-050-651-022	REF	
33	CAP, MYLAR, 0.0033 UF +/-10\$, 50V	402867	80031	75F 1R5 A332	1	
34	CAP, MYLAR. 0.01 UF +/-10%, 50V	309906	80031		2	
35	CAP, TA, 10 UF +/-20%, 15V			196D106X0015A1	REF	
36 37	CAP, MYLAR, 0.015 UF +/-10\$, 50V	402891	80031	75F 1R5 A153	1	
37 38	CAP, FILM, 0.22 UF +/-10%, 50V CAP, MYLAR. 0.01 UF +/-10%, 50V	271577 309906	06001 80031	751R5A223 75F1R5A100	1 REF	
	,		_			
39 In	CAP, FOLY, 330 PF +/-1\$, 63V	528364	12954	B31063/330/1/63	1	
40 41	CAP, TA, 10 UF +/-20\$, 15V CAP, POLY, 1000 PF +/-1\$, 63V	193623	56289	196D106X0015A1	REF	
4 I 42	CAP, CER, 0.001 UF +/-15, 63V	528380 402966	12954 72982	B31063/1000/1/63 8121-A100-W5R-102M	1 REF	
13	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF	
15	CAP, TA, 10 UF +/-20%, 15V	102602	E6 290	10601064004544	ppp	
45 46	CAP, CER, 100 PF +/-25, 100V	193623 512848	56289 89536	196D106X0015A1 512848	REF 1	
47	CAP, CER, 22 PF +/-25, 100V	512871	89536	512871	1	
. 2	CAP, CER. 82 PF +/-2\$, 100V	512350	89536	512350	1	
40				· • :		
48 49	CAP, CER. 39 PF +/-2\$, 100V	512962	89536	512962	1	

Table 6-14. A3A7 Sub Synthesizer PCB Mixer (cont)

REF Des	DESCRIPTION	FLUKE Stock No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	1 1
)F0	GAD CDD 450 DE 1 56 400V	540000	80536	F40000		
250	CAP, CER, 150 PF +/-5%, 100V	512988	89536	512988	1 REF	
51	CAP, IA, IU UP +/ ZUB, 104	193623		196D106X0015A1		
52	CAP, CER, U.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF	
53	CAP, CER, 150 PF +/-5%, 100V CAP, TA, 10 UF +/-20%, 15V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.22 UF +/-20%, 50V CAP, TA, 10 UF +/-20%, 15V	309849		8131-050-651-022	REF	
54		193623	56289	196D106X0015A1	REF	
55	CAP, TA, 10 UF +/-20\$, 15V CAP, CER. 0.001 UF +/-20\$, 500V	193623	56289		REF	
C56	CAP, TA, 10 UF +/-20%, 15V	193623		196D106X0015A1	REF	
257	CAP, TA, 10 UF +/-20%, 15V	193623		196D106X0015A1	REF	
258	CAP, TA, 10 UF +/-20%, 15V	193623	56289		REF	
C5 9	CAP, CER. 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF	
60	CAP, CER. 0.001 UF +/-20\$, 500V CAP, CER. 0.22 UF +/-20\$, 50V CAP, TA, 47 UF +/-20\$, 20V	402966		8121-A100-W5R-102M	REF	
261	CAP, CER. 0.22 UF +/-20%, 50V	309849		8131-050-651-022	REF	
C62	CAP, TA, 47 UF +/-20\$, 20V	348516		A96D476X0020KE4	2	
263	CAP, TA, 47 UF +/-20%, 20V	348516		A96D476X0020KE4	REF	
64	CAP, TA, 47 UF +/-20%, 20V CAP, TA, 47 UF +/-20%, 20V CAP, CER, 0.22 UF +/-20%, 50V	309849	72982	8131-050-651-022	REF	
65	CAP, TA, 10 UF +/-20%, 15V CAP, TA, 10 UF +/-20%, 15V CAP, TA, 22 UF +/-20%, 15V DIODE, VARACTOR TUNING (SINGLE)	193623	56289	196D106X0015A1	REF	
66	CAP, TA, 10 UF +/-20%, 15V	193623	56289	196D106X0015A1	REF	
267	CAP, TA, 22 UF +/-20%, 15V	423012	56289	196D225X0015KA1	1	
CR1	DIODE, VARACTOR TUNING (SINGLE)	508069	91462	DKV6534C	1	1
CR2	DIODE, SI, SWITCHING	313247	28480	HP5082-6264	1	1
l1	CONNECTOR, RF, SMB	512095	16733	702033	2	
12	CONNECTOR, RF, SMB	512095	16733	702033	REF	
.1	CHOKE, 6-TURN	320911	89536		6	
.2	CHOKE, 6-TURN	320911	89536	320911	REF	
. 3	CHOKE, 1200 MH +/-10%, 125MA	343855	24759	MR-1200	1	
. 4	CHOKE, 2200 UH 99MA	147801	72259	WEE-2200	1	
L5	INDUCTOR, VARIABLE	513812	-		1	
1.6	CHOKE, 6-TURN	320911	89536	320911	REF	
-7	CHOKE, 6-TURN	320911	89536	320911	REF	
.8	CHOKE, 39 UH +/-10%, 429MA	344010		MR-39	1	
.9	CHOKE. 27 UH +/-10%. 526MA	513853	24759	MR-27	1	
.10	CHOKE, 27 UH +/-10%, 526MA INDUCTOR, 0.39 UH +/-10%, 1060 MA INDUCTOR, 0.18 UH +/-10%, 2300 MA	257 162	24759		i	
.11	TNDICTOR, 0.18 III 4/-104, 2300 MA	249060	24759		i	
12	CHOKE, 6-TURN	320911	89536	320911	REF	
13	CHOKE, 6-TURN	320911	89536	320911	REF	
14	INDUCTOR, 100 UH, +/-10%, 120 MA	249102	24750	MR-100	1	
P1	AIDE, PCB PULL	541730		541730	3	
P2		537530	89536	537530	3 1	
1	BRACKET, INDICATOR MOUNTING COMPONENT LEAD, SPRING TYPE	544056	89536	544056	15	
1	TRANSISTOR, PNP, HI-SPEED SWITCHING	369629		543576	4	1
2	TOANGTOTOD DND UT GROOD GUTTGUTVO	26.06.20	07262	5h2576	REF	
2	TRANSISTOR, PNP, HI-SPEED SWITCHING	369629	07263	543576 543576	REF	
3	TRANSISTOR, PNP, HI-SPEED SWITCHING	369629	07263	543576 543576	REF	
4	TRANSISTOR, PNP, HI-SPEED SWITCHING	369629	07263	543576		4
5 6 2 0	TRANSISTOR, SI, NPN TRANSISTOR, D-MOS	248351 507 905	04713 18324	MPS918 SD305	1 1	1
				_		-
1	RES, DEP. CAR. 10K +/-5%, 1/4W	348839	89536	348839	4	
2	RES. DEP. CAR. 10K +/-5%, 1/4W	348839	89536	348839	REF	
3	RES, DEP. CAR. 10K +/-5%, 1/4W	348839	89536	348839	REF	
Ħ	RES. DEP. CAR, 1.8K +/-5%, 1/4W	441444	80031	CR251-4-5P1K8	2	
5	RES, VAR, 5K +/-10%, 1/2W	327569	11236	360 T 502A	1	

Table 6-14. A3A7 Sub Synthesizer PCB Mixer (cont)

REF Des	DESCRIPTION	FLUKE STDCK	MFG SPLY	MFG PART ND.	TOT QTY]
nes .		NO.	CODE			لـــا	Ш
DC	RES. DEP. CAR, 1.8K +/-5%, 1/4W	441444	80031	CR251-4-5P1K8	REF		
R6		441600	80031	CR251-4-5P510E	6		
R7	RES, DEP. CAR, 510 +/-5%, 1/4W	441386	80031		1		
R8	RES. DEP. CAR, 120K +/-5%, 1/4W		80031		ż		
R9	RES, DEP. CAR. 2.2K +/-5%, 1/4W	343400			REF		
R10	RES, DEP. CAR. 510 +/-5%, 1/4W	441600	80031	CR251-4-5F510B			
R11	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R12	RES, DEP. CAR, 220 +/-5%, 1/4W	342626	80031	CR251-4-5P220E	3		
R13	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	4		
R14	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251-4-5P7K5	4		
R15	RES. DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
D4.C	nee nen can ver / Ef 1/NV	441667	80031	CR251-4-5P7K5	REF		
R16	RES, DEP. CAR. 7.5K +/-5%, 1/4W	343400	80031	CR251-4-5P2K2	REF		
R17	RES, DEP. CAR, 2.2K +/-5%, 1/4W	343442	80031		4		
R18	RES, DEP. CAR. 150 +/-5%, 1/4W		80031	CR251-4-5P150E	REF		
R19	RES. DEP. CAR. 150 +/-5%, 1/4W	343442 414540	80031		4		
R20	RES. DEP. CAR. 51 +/-5%, 1/4W	414240	00031	ORE 21-4-21310	7		
R21	RES, MTL. FILM, 3.65K +/-1%, 1/8W	293779	91637	CMF553651F	1		
R22	RES. MTL. FILM, 2.15K +/-1%, 1/8W	293712			1		
R23	RES. DEP. CAR. 300 +/-5%, 1/4W	441519	80031	CR251-4-5P300E	1		
R24	RES, DEP. CAR. 56 +/-5%, 1/4W	3426 18	80031	CR251-4-5P56E	1		
R25	RES, DEP. CAR. 16 +/-5%, 1/4W	442194	80031	CR251-4-5P16E	3		
		lidication	80031	CR251-4-5P16E	REF		
R26	RES, DEP. CAR, 16 +/-5%, 1/4W	442194	80031		5		
R27	RES, DEP. CAR, 100 +/-5%, 1/4W	348771			REF		
R28	RES. DEP. CAR. 16 +/-5%, 1/4W	442194	80031		REF		
R29	RES. DEP. CAR. 51 +/-5%, 1/4W	414540	80031		REF		
R30	RES, DEP. CAR. 150 +/-5%, 1/4W	343442	80031	CR251-4-5P150E	1,01		
R31	RES, DEP. CAR, 150 +/-5%, 1/4W	343442	80031	CR251-4-5P150E	REF		
R32	RES, MTL. FILM, 5.76K +/-1%, 1/8W	260349	91637	CMF555761 F	1		
R33	RES, MTL. FILM, 2.26K +/-1%, 1/8W	328294	91637	CMF552261F	1		
R34	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R35	RES, DEP. CAR. 10 +/-5%, 1/4W	340075		CR251-4-5P10E	1		
_		2 tr 0 0 7 4	90031	CR251-4-5P100E	REF		
R36	RES, DEP. CAR. 100 +/-5%, 1/4W	348771			REF		
R37	RES, DEP. CAR, 220 +/-5%, 1/4W	342626	80031		REF		
R38	RES, DEP. CAR, 51 +/-5%, 1/4W	414540			REF		
R39	RES. DEP. CAR, 51 +/-5%, 1/4W	414540					
R40	RES, DEP. CAR, 18 +/-5%, 1/4W	441428	80031	CR251-4-5P18E	4		
R41	RES, DEP. CAR. 18 +/-5%, 1/4W	441428	80031	CR251-4-5P18E	REF		
R42	RES. DEP. CAR. 18 +/-5%, 1/4W	441428	.		REF		
R42 R43	RES, DEP. CAR. 18 +/-5%, 1/4W	441428	_		REF		
n43 R44	RES, DEP. CAR. 510 +/-5%, 1/4W	441600			REF		
л44 R45	RES, DEP. CAR. 510 +/-5%, 1/4W	441600			REF		
		040406	00034	CDOE1 N. CD1V	REF		
R46	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031		REF		
R47	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031		_		
R48	RES, DEP. CAR. 7.5K +/-5%, 1/4W	441667	80031		REF		
R49	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031		REF		
R50	RES. DEP. CAR. 10K +/-5%, 1/4W	348839	89536	348839	REF		
DE 1	RES, DEP. CAR. 100 +/-5%, 1/4W	348771	80031	CR251-4-5P100E	REF		
R51	RES, DEP. CAR. 470 +/-5%, 1/4W	343434			1		
R52		348771		b	REF		
R53	RES, DEP. CAR, 100 +/-5%, 1/4W	342626			REF		
	RES, DEP. CAR, 220 +/-5%, 1/4W				REF		
R54 R55	RES, DEP. CAR, 100 +/-5%, 1/4W	348771					

Table 6-14. A3A7 Sub Synthesizer PCB Mixer (cont)

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY Code	MFG PART NO.	TOT QTY	REC QTY	0 T
256	770 770 000 00 / Fd 4/6U	11450h	Boose	CD064 % EB00B			
R56	RES, DEP. CAR. 33 +/-5%, 1/4W	414524	80031	CR251-4-5P33E	1		
SW1	SWITCH, SLIDE, DPDT	393629		23-021-114			
TP1-16	CONNECTOR, TEST POINT	512889		62395-1834	16		
U1	IC, TTL, DUAL D-TYPE FLIP FLOP	393124	01295		1	1	
U2	SWITCH, SLIDE, DPDT CONNECTOR, TEST POINT IC, TTL, DUAL D-TYPE FLIP FLOP IC, TTL, QUAD, 2-INPUT NAND GATES	293068	01295	SN74H00P	1	1	
U 3	IC, TTL, DUAL J-K EDGE TRIG, F/F	363440	01295	SN74S117N	2	1	
U4	IC, TTL, J-K F/F, AND INPUTS		01295		1	1	
U5	IC, TTL, 50 MHZ, PRESET, DECODED BINARY		01295		1	1	
U6	IC, TTL LO-PWR SCHTKY OCTAL "D: TYPE F/F	454892	01295	SN74LS273N	3	1	
U7	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	3	1	
U8	IC, TTL, DUAL J-K EDGE TRIG, F/F	363440	01295	SN74S117N	REF		
U9 ⊘	IC, TTL, SYNCH DECADE RATE MULTIPLIER	454884	01295	SN74167N	4	1	
U10Ø	IC, TTL, SYNCH DECADE RATE MULTIPLIER	454884	01295	SN74167N	REF		
U1 1	IC, TTL LO-PWR SCHTKY OCTAL "D: TYPE F/F	454892	01295	SN74LS273N	REF		
V12	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF		
		h 4 0 4 5 4		essee la com la se			
U13	ic, dual, "D" Type, EDGE TRIGGERED, F/F	418269	01295	SN74S74N	1	1	
U1 4	IC, TTL, HEX INVERTER	293076	01295	SN74HU4N	1	1	
บ15ฺ⁄Ø	IC, TTL, SYNCH DECADE RATE MULTIPLIER		01295		REF		
U16	IC, TTL LO-PWR SCHTKY OCTAL "D: TYPE F/F		01295	SN74LS273N	REF		
U17	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF		
U18	IC, TTL, QUAD 2-IN, NAND GATE IC, TTL, QUAD 2-IN, NAND GATE	363580	01295	SN74S00N	2	1	
U19	IC, TTL, QUAD 2-IN, NAND GATE	363580	01295	SN74500N	ref		
J20 Ø	IC, TTL, SYNCH DECADE RATE MULTIPLIER	454884	01295	SN74167N	ref		
U21	IC, TTL, SCHOTTKY, QUAD 2-IN, P-NOR GATE	403626	01295	SN74S02N	1	1	
U22	IC, TTL, PRESET DECADE OR BINARY COUNTER	473835	01295	SN7 4 S1 96 N	1	1	
U23	IC, TTL MSI, DECADE COUNTER	402545	01295	SN74LS90N	2	1	
U24	IC, LINEAR, OP-AMP	472779		LF386N	1	1	
U25	IC, ECL, TRIPLE LINE RECEIVER 16-PIN DIP		18324	_	2	1	
U26	RESISTOR NETWORK, 510 +/-2%, 1/8W	447482	89536		2	1	
U2 7	IC, MIXER, 1 - 500 MHZ RANGE	528265	15542	SBL-1	2	1	
1100	TO MIVED 4 FOR MUT DAVICE	E2826E	15542	SB1 _ 1	REF		
U28 U20	IC, MIXER, 1 - 500 MHZ RANGE	528265 525345	04713		1	1	
U29	TO, ECL, DUAL TIPE "D", FI/5, F/F				i	i	
U30	TU, LINEAR, UP-AMP, J-FEI INFUI	483438	89536	* a .:	i	i	
J31	IC, ECL, DUAL TYPE "D", M/S, F/F IC, LINEAR, OP-AMP, J-FET INPUT RESISTOR NETWORK, 10K 16-PIN DIP	501841	89536		i	i	
J32	IC, ECL, BI-QUINARY COUNTER	525337	04713	MC10138L	'	•	
J 33	IC, TTL MSI, DECADE COUNTER		01295		REF		
J34	RESISTOR NETWORK, 510 +/-2%, 1/8W			447482	REF		
J35	IC, ECL, TRIPLE LINE RECEIVER 16-PIN DIP	369702	18324	N10116B	REF		
(U1	SOCKET, IC, 14-PIN	370304		MM74C906N	13		
CU2	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF		
CU3	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	13		
(U4	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF		
(05	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF		
(U6	SOCKET, IC, 20-PIN	454421	01295	C932002	3		
.00 .07	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF		
เบ8	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF		
(U9	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF		
-	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF		
CU10 CU11		454421	01295	C932002	REF		
	SOCKET, IC, 20-PIN	370312	91506	316-AG39D	REF		
W12	SOCKET, IC, 16-PIN						

REF DES	DESCRIPTION	FLUKE STDCK ND.	MFG SPLY CODE	MFG PART NO.	TOT REC
KU13	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
CU14	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
CU15	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF
	SOCKET, IC, 20-PIN	454421	01295	C932002	REF
CU 16 CU 17	SOCKET, IC, 20-PIN	370312	91506	316-AG39D	REF
W18	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
KU19	SOCKET, IC, 14-PIN	370304	12040		REF
KU20	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF
CU21	SOCKET, IC, 14-PIN	370304	12040		REF
(U22	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
W 23	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
CU24	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	1
TU25	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	ref
W27	SOCKET, SINGLE SPRING TYPE COPPER	392944	00779	3-332070-0	16
W28	SOCKET, SINGLE SPRING TYPE COPPER	392944	00779	3-332070-0	REF
W29	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF
W 30	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
W32	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF
(U33	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF
U35	SOCKET, IC, 16-PIN	370312	91500	316-AG39D	REF
	•				

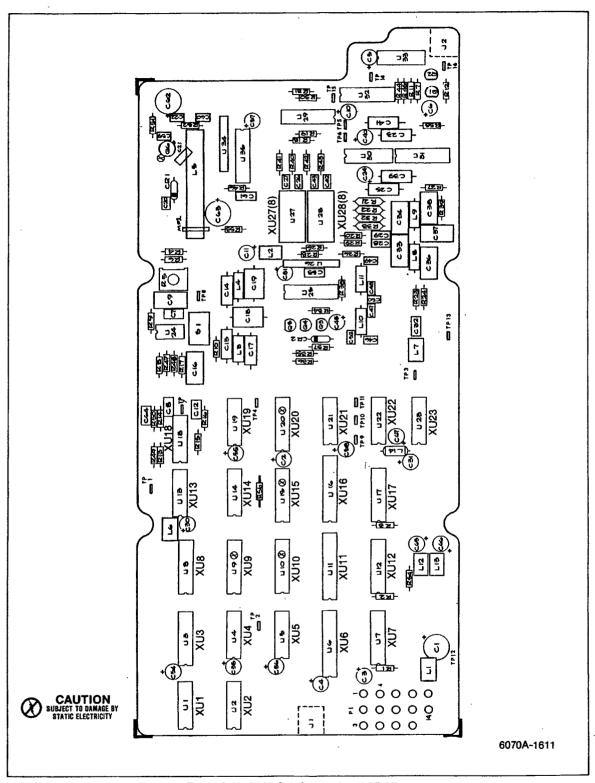


Figure 6-14. A3A7 Sub Synthesizer PCB Mixer

Table 6-15. A3A8 Synthesizer Control Buffer PCB Assembly

REF DES	DESCRIPTION	FLUKE STOCK ND.	MFG SPLY CODE	MFG PART ND.	TOT QTY	REC QTY	O
A3A8Ø	SYNTHESIZER CONTROL BUFFER PCB ASSEMBLY FIGURE 6-15 (6070A-4020T)	463638	89536	46 36 38	REF		
C 1 C2	CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V	309849 309849	72982 72982	8131-050-651-022 8131-050-651-022	5 REF		
С3	CAP, CER, 0.22 UF +/~20%, 50V	309849	72982	8131-050-651-022	REF		
C4	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	1		
C5	CAP, CER, 0.22 UF +/-20%, 50V			8131-050-651-022	REF		
C6	CAP, CER, 0.22 UF +/-20%, 50V	309849			REF		
C7	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	2		
C8	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	REF		
C9	CAP, TA, 2.2 UF +/-20%, 20V	16 1927	56289		4		
C10	CAP, TA, 2.2 UF +/-20%, 20V	16 1927		196D2225X0020HA1	REF		
C11	CAP, TA, 2.2 UF +/-20%, 20V	16 1927	56289		REF		
C12	CAP, TA, 2.2 UF +/-20%, 20V	16 1927	5 6 289	196D2225X0020HA1	REF		
C13	CAP, CER, 22 PF +/-2%, 100V	512871	89536	512871	1		
CR1	DIODE, SI, SWITCHING	313247	28480	HP5082-6264	2	1	Į.
CR2	DIODE, SI, SWITCHING	313247	28480		REF		
CR3	DIODE, ZENER	357848			1	1	ı
L1	CHOKE, 6-TURN	320911	89536	320911	16		
L2	CHOKE, 6-TURN	320911	89536	320911	REF		
L3	CHOKE, 6-TURN	320911	89536	320911	REF		
L4	CHOKE, 6-TURN	320911	89536		REF		
L5	CHOKE, 6-TURN	320911	89536	= -	REF		
1.6	CHOKE, 6-TURN	320911	89536	320911	REF		
L7	CHOKE, 6-TURN	320911	89536	320911	REF		
L8	CHOKE, 6-TURN	320911	89536	320911	REF		
L9	CHOKE, 6-TURN	320911	89536	-	REF		
L10	CHOKE, 6-TURN	320911	89536		REF		
L11	CHOKE, 6-TURN	320911	89536	320911	REF		
L12	CHOKE, 6-TURN	320911	89536	320911	REF		
L13	CHOKE, 6-TURN	320911	89536	320911	REF		
L14	CHOKE, 6-TURN	320911	89536	_	REF		
L15	CHOKE, 6-TURN	320911	89536		REF		
L16	CHOKE, 6-TURN	320911	89536	320911	REF		
P1	CONNECTOR, 30 POSITION	529230	00779	86 396 - 3	1		
P2	COMPONENT LEAD, SPRING TYPE	544056	00779	50871-1	36		
P3	COMPONENT LEAD, SPRING TYPE	544056	00779	50871-1	REF		
P4	COMPONENT LEAD, SPRING TYPE	544056	00779		REF		
R1	RES, MTL. FILM, 1K +/-1%, 1/8W	16 8229	91637	CMF551001F	1		
R2	RES. MTL. FILM, 1.78K +/-1%, 1/8W	344366	91637	CMF551781F	1		
R3	RES, MTL. FILM, 10K +/-10%, 1/8W	168260	91637	CMF55103	1		
R4	RES, MTL. FILM, 2.80K +/-1%, 1/8W	325670	91637		1		
R5	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	89536	348839	1		
R6	RES, DEP. CAR, 220K +/-5%, 1/4W	348953	89536	348953	1		
TP1-TP6	CONNECTOR, TEST POINT	512889	02660	62395-1834	6		
U1	IC, 8-BIT ADDRESSABLE LATCH	419242			4		1
U2	IC, 8-BIT ADDRESSABLE LATCH	419242			REF		_
	IC, TTL, QUAD, 2-INPUT POS OR GATE	393108	01295	SN74LS32N	1		1
03 ⊘	IC. 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF		

Table 6-15. A3A8 Synthesizer Control Buffer PCB Assembly (cont)

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.		REC QTY	NO T
V5	IC, LINEAR, OP-AMP	495051	18324	NE5534N	1	1	
U6Ø	IC. C-MOS. 10-BIT D/A CONVERTER	507566	24355		2	1	
U7Ø	IC, C-MOS, 10-BIT D/A CONVERTER	507566			REF		
U8	IC, TTL, LO-PWR, 3-8 LINE DECODER	407585	01295		1	1	
บ9	IC, OCTAL BUFFERS & LINE DRIVERS	429035	01295	SN74LS244N	1	1	
U10	IC. 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF		
U11	IC, LO-PWR, SCHOTTCKY TRI-ST OCTAL, BFR.		12040	DM81LS95N	1	1	
U12Ø	IC, LINEAR, LO-NOISE DUAL OP-AMP	504720	18324	NE5532FE	1	1	
XU1	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	7		
XU2	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	REF		
XU3	SOCKET, 14-PIN	370304	12040	MM74C906N	1		
XU4	SOCKET, IC. 16-PIN DIP	370312	91506	316-AG39D	REF		
XU5	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	2		
XU6	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	REF		
XU7	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	REF		
XU8	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	REF		
XU9	SOCKET, IC, 20-PIN	454421	01295	C932002	2		
XU10	SOCKET, IC, 16-PIN DIP	370312	91506	316-AG39D	REF		
X011	SOCKET, IC, 20-PIN	454421	01295	C932002	REF		
XU12	SOCKET, IC. 8-PIN	478016	91506	308-AG39D	REF		

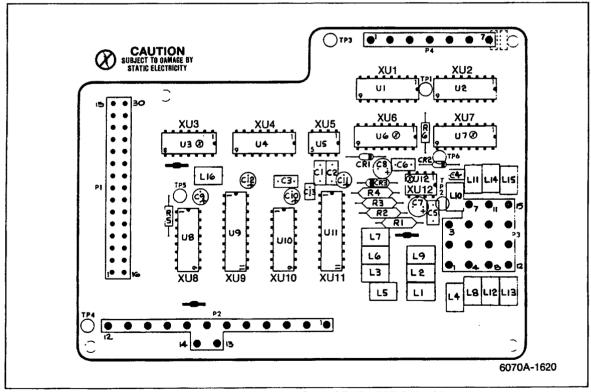


Figure 6-15. A3A8 Synthesizer Control Buffer PCB Assembly

Table 6-16. A3A9 Synthesizer Distribution PCB Assembly

REF DES	DESCRIPTION	FLUKE STDCK ND.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY	1
A3A9Ø	SYNTHESIZER DISTRIBUTION PCB ASSEMBLY FIGURE 6-16 (6070A-4025T)	463687	89536	46 36 87	REF		
C1 C2	CAP, TA, 10 UF +/-20\$, 20V CAP, TA, 10 UF +/-20\$, 20V		56 289 56 289	_	3 REF		
СЗ	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	REF		
C4	CAP, TA, 10 UF +/-20\$, 20V CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.001 UF +/-20\$, 500V	363713	56289	196D685X0035KA1	1		
C5	CAP, CER, 0.22 UF +/-20%, 50V			CW30C224K	6		
C6	CAP, CER, 0.22 UF +/-20%, 50V			CW30C224K	REF		
C7	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	1		
C8	CAP, CER, 0.22 UF +/-20\$, 50V CAP, VAR, 4.5 - 50 PF, 250V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V CAP, POLY, 0.12 UF +/-5\$, 100V	309849	71590	CW30C224K	REF		
C9	CAP, VAR, 4.5 - 50 PF, 250V	321117	73899	DVJ305A	1		
C10	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF		
C11	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF		
C12	CAP, POLY, 0.12 UF +/-5%, 100V	46 1582	73445	C280MAH/A120K	1		
C 13	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF		
CR1	DIODE, SI, SMALL SIGNAL	313247	26484	HP5082-6264	. 5		
CR2	DIODE, SI, SMALL SIGNAL	313247			REF		
J14	CONNECTOR, POST	267500	00779	87022-1	25		
J15	CONNECTOR, 6-PIN CONNECTOR, RF, SMB CONNECTOR, POST COMPONENT LEAD, SPRING TYPE COMPONENT LEAD, SPRING TYPE	512178	27264	09-80-1063	1		
J 16	CONNECTOR, RF, SMB	512095	16733	702033	1		
?1	CONNECTOR, POST	267633	00779	86 144-1	30		
P2	COMPONENT LEAD, SPRING TYPE	544056	00779		27		
P3	COMPONENT LEAD, SPRING TYPE		00779		REF		
R1	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	1		
R2	RES, DEP. CAR, 620K +/-5%, 1/4W RES, DEP. CAR, 11K +/-5%, 1/4W	442509	80031	CR251-4-5P620K	1		
R3	RES, DEP. CAR, 11K +/-5%, 1/4W			CR251-4-5P11K	1		
R4	RES, DEP. CAR, 1K +/-5%, 1/4W RES, DEP. CAR, 510 +/-5%, 1/4W	343426	80031	CR251-4-5P1K	1		
R5	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	1		
R6	RES, DEP. CAR, 4.7K +/-5%, 1/4W	348821	_	CR251-4-5P4K7	2		
77	RES, DEP. CAR, 22K +/-5%, 1/4W RES, VAR, 100K +/-10%, 1/2W RES, DEP. CAR, 4.7K +/-5%, 1/4W RES, VAR, 100 +/-10%, 1/2W RES, MTL. FILM, 909 +/-1%, 1/8W	348870	80031	CR251-4-5P22K	1		
R8	RES, VAR, 100K +/-10%, 1/2W	36 9520	11236	360T-104A	1		
79	RES, DEP. CAR, 4.7K +/-5%, 1/4W	348821	80031	CR251-4-5P4K7	REF		
710	RES, VAR, 100 +/-10%, 1/2W	275735	11236	360T-101A	1		
R11	RES, MTL. FILM, 909 +/-1%, 1/8W	. 312629	91637	CMF559090F	1		
CP1	CONNECTOR, TEST POINT	512889	00779	62395-1	2		
P2	CONNECTOR, TEST POINT	512889			REF		
11	IC, 8-BIT ADDRESSABLE LATCH	419242	01295		3	1	
12	IC, TTL, SCHOTTKY 3-8 LINE DECODER		01295		1	1	
3⊗	IC, C-MOS, 10 BIT D/A CONVERTER	524 8 68	24355	AD7533JN	1	1	
4	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF		
5	IC, LINEAR, OP-AMP	472779		LF386N	1	1	
6⊗	IC, C-MOS, RETRIGGERABLE/RESETTABLE	393512			1	1	
70	IC, C-MOS, 10 BIT D/A CONVERTER	507558	24355	'``\\	1	1	
80	IC, LINEAR, OP-AMP	495051	18324	NE5534N	1	1	
90	IC, LO-PWR, SCHOTTKY TRI-ST OCTAL BFR	429902	12040	DMB1LS95N	1	1	
10	IC, 8-BIT ADDRESSABLE LATCH	419242			REF		
11	IC TTL, LO-PWR SCHOTTKY, DATA SELECT	407577	01295		1	1	
	IC, LINEAR, QUAD COMPARATOR	387233	12040	LM339N	1	1	
112 113	IC, OCTAL BUFFERS & LINE DRIVERS	429035		SN74LS244N		1	

SOCKET, 16-PIN 370312 91506 316-AG39D REF	REF DES		GESCRIPTION	FLUKE Stock No.	MFG SPLY CODE	MFG PART ND.	TOT QTY	REC QTY	
SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 16-PIN 478016 91506 308-AG39D 2	J 1	SOCKET, 16-PIN		370312			, 8		
SOCKET, 16-PIN 370312 91506 316-AG39D REF	J 2	SOCKET, 16-PIN			91506				
SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 8-PIN 478016 91506 308-AG39D 2 SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 8-PIN 478016 91506 308-AG39D REF SOCKET, 8-PIN 478016 91506 308-AG39D REF SOCKET, 20-PIN 454421 01295 C932002 2 SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 16-PIN 370312 91506 316-AG39D REF SOCKET, 16-PIN 370304 12040 MM74C906N 1	13	SOCKET, 16-PIN		370312	91506				
SOCKET, 8-PIN 478016 91506 308-AG39D 2	14								
SOCKET, 16-PIN 370312 91506 316-AG39D REF	J 5			478016	91506	308-AG39D	2		
SOCKET, 16-PIN 370312 91506 316-AG39D REF	16	SOCKET, 16-PIN		370312	91506	316-AG39D	REF		
SOCKET, 8-PIN		SOCKET. 16-PIN				316-AG39D	REF		
39 SOCKET, 20-PIN 454421 01295 C932002 2 310 SOCKET, 16-PIN 370312 91506 316-AG39D REF 311 SOCKET, 16-PIN 370312 91506 316-AG39D REF 312 SOCKET 14-PIN 370304 12040 MM74C906N 1				478016	91506	308-AG39D			
SOCKET, 16-PIN 370312 91506 316-AG39D REF	J 9	SOCKET, 20-PIN				C932002	2		
370304 12040 MM74C906N 1	J10			370312	91506	316-AG39D	REF		
J12 SOCKET 14-PIN 370304 12040 MM74C906N 1	J11	SOCKET. 16-PIN		370312	91506	316-AG39D	REF		
		SOCKET 14-PIN		370304	12040	MM74C906N	1		
	J13						REF		

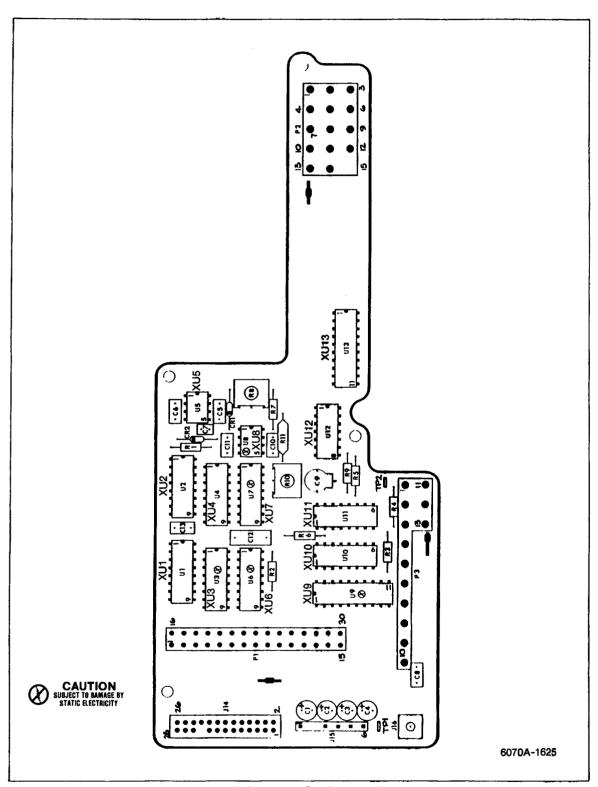


Figure 6-16. A3A9 Synthesizer Distribution PCB Assembly

A3A10	DESCRIPTION	FLUKE Stock No.	MFG SPLY CODE	MFG PART NO.	TOT YTQ	1	1
	VCO RESONATOR PCB ASSEMBLY FIGURE 6-17 (6070A-4012T) (MATCHED TO A3A5 PCB)	463364	89536	463364	REF		
C1	CAP, CHIP, 1000 PF +/-5%, 50V	484378	89536	484378 .	2		
C2	CAP. CHIP. 1000 PF +/-5%, 50V	484378	89536	484378	REF		
23	CAP, CHIP, 22 PF +/-5%, 50V	484360			1		
C4	CAP. TA. 68 UF +/-20%, 15V	193615	56 289	196D686X0015LA3	1		
C5	CAP, TA, 82 UF +/-20%, 20V	357392	12954	D82GS2D20M	2		
C6	CAP, TA, 82 UF +/-20%, 20V	357392	12954	D82GS2D20M	REF		
7	CAP, CHIP, 330 PF +/-5%, 50V	512038	89536	512038	2		
C8	CAP, CHIP, 330 PF +/-5%, 50V	512038		_	REF		
CG CG	CAP, CER, 0.001 UF +/-20\$, 500V			8121-A100-W5R-102M	3		
C10	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
C11	CAP, CER, 0.001 UF +/-20%, 500V		72982		REF		
- • •	,,				_		
C12	CAP, TA, 22 UF +/-20%, 15V	423012			2		
C13	CAP, TA, 22 UF +/-20%, 15V	423012		196 D226 X0015KA1	REF		
CR1	DIODE, VARACTOR TUNING (SET OF 4) PART OF CR1	534875	91462	DKV6534CM4	1	1	
CR2 J1	CONN, COAX, SNAP-ON RECPT, PCB MOUNT	353243	98291	51-053-0000	2		
••	CONT. COAY ONAD ON DECET DCD MOUNT	353243	98291	51-053-0000	REF		
J2	CONN, COAX, SNAP-ON RECPT, PCB MOUNT		89536	463448	1		
L1	INDUCTOR, 10T	320911	89536	320911	1		
1.2 1.3	CHOKE, 6-TURN CHOKE, RF, 180 UH +/-5*, 300 MA	174771		WEE-180	2		
F#	CHOKE, RF, 180 UH +/-5%, 300 MA	174771	72259		REF		
n.a	DEG COMP 22 ./ E# 1/8W	474767	01121	BB1-82205	2		
R1	RES, COMP, 22 +/-5%, 1/8W	474767	01121		REF		
R2	RES, COMP, 22 +/-5%, 1/8W RES, MTL. FILM, 84.5 +/-1%, 1/8W	236851	91637		1		
R3 R4	RES, DEP. CAR, 560 +/-5%, 1/4W	385948	80031		1		
n-1 U1	VCO, HYBRID ASSEMBLY	492793	89536	492793	1	1	
U2	VCO BUFFER, HYBRID ASSEMBLY	492736	89536	492736	1	1	
W42	CABLE ASSEMBLY	508986		508986	1		
	1 BEFORE ORDERING SPARE PARTS OR						
	SPARE PCB ASSEMBLIES, PLEASE						
	CONTACT YOUR NEAREST JOHN FLUKE SERVICE CENTER FOR INFORMATION						
	SERVICE CERTER FOR ENGLESSEE						
	2 MATCHED TO CR1/CR2 LOCATED ON ASSEMBLY A3A5.						

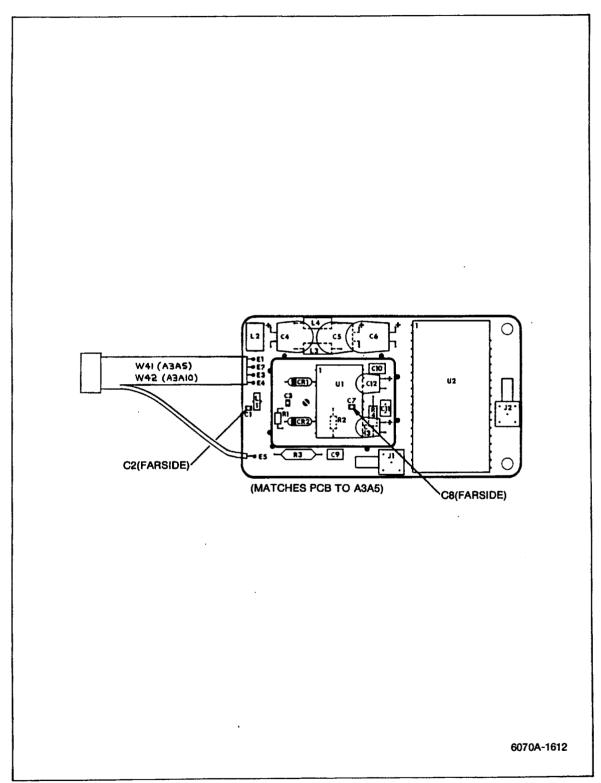


Figure 6-17. A3A10 VCO Resonator PCB Assembly

Table 6-18. A4 Output Module Assembly

	1 able 0-10. A4 Ou	Output Module Assembly					
REF DES	DESCRIPTION	FLUKE STDCK NO.	MFG SPLY CODE	MFG PART ND.	TOT REC		
A4@	OUTPUT MODULE ASSEMBLY FIGURE 6-18 (6070A-4201)	497172	89536	497 172	REF		
A4A1	HEADER, MOD OSC/MOD PCB ASSEMBLY (NOT ILLUSTRATED)	57 8567	89536	57 8567	1		
A4A2Ø	MODULATION OSCILLATOR PCB ASSEMBLY	469593	89536	46 95 93	1		
A4 A3	ATTENUATOR PCB ASSEMBLY	462432	89536	462432	1		
A4 A4 Ø	MODULATOR DIVIDER PCB ASSEMBLY	463596	89536	46 3596	1		
a4 a6 Ø	X2 OUTPUT AMPLIFIER PCB ASSEMBLY (USED ON THE 6071A ONLY)	546465	89536	546465	1		
A4 A7⊗	OUTPUT AMPLIFIER PCB ASSEMBLY (USED ON THE 6070A ONLY)	463505	89536	463505	1		
A4 A8⊗	HETRODYNE OSCILLATOR PCB ASSEMBLY	463588	89536	463588	1		
A4A9	HETRODYNE CONVERTER PCB ASSEMBLY	463562	89536	463562	1		
A4A10@	MOD DISTRIBUTION PCB ASSEMBLY	463570	89536	46 357 0	1		
H1 H2	SCREW, CAP, 6-32 X 1/4 SCREW, FHP, 6-32 X 3/4			528281 114504	8 6		
H4 H5 H8 H9 MP1	SCREW, PHP, 6-32 X 9/32 SCREW, PHP, 6-32 X 5/8 WASHER, SPRING STEEL WASHER, SPLIT LOCK #6 BRACKET, HEATSINK	412841 571968 110692	89536 89536 89536	544122 412841 571968 110692 577155	51 3 34 1		
MP2 MP3 MP4 MP5 MP7	CAN, ATTEN. PLATED CAN, MODULE DIVIDER SPACER AIDE, PCB PULL SPACER, X2 HEATSINK	535435 103499 541730	89536 89536 89536	604009 535435 103499 541730 536078	6 1 1 30 6		
MP8 MP9 W43	SPACER, MODULE DIVIDER INSERT, FEED THRU CABLE ASSEMBLY		89536	585372 516252 524 7 02	1 1 1		

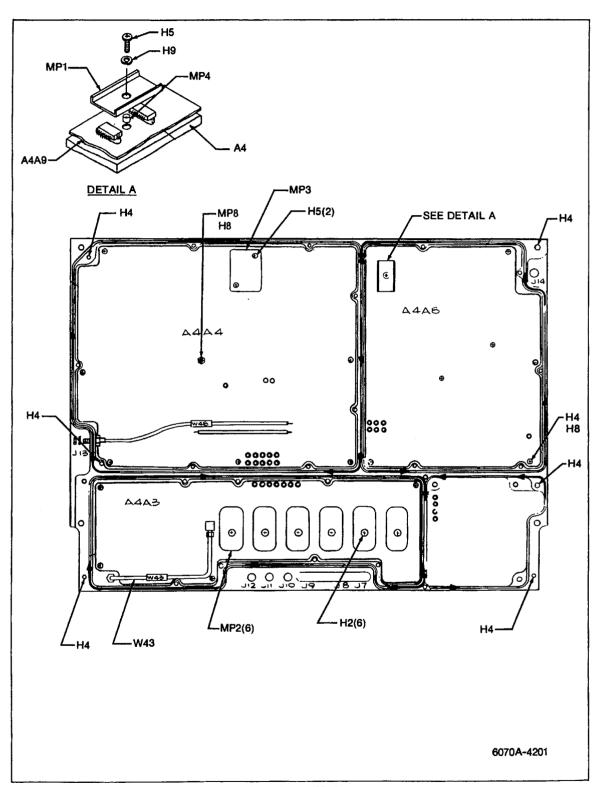


Figure 6-18. A4 Output Module Assembly

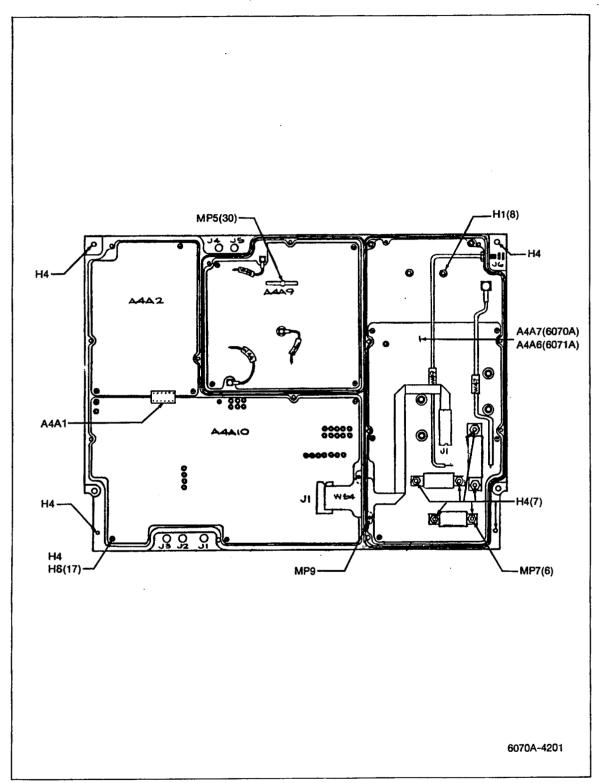


Figure 6-18. A4 Output Module Assembly (cont)

Table 6-19. A4A2 Modulation Oscillator PCB Assembly

REF DES	DESCRIPTION	FLUKE Stock ND.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY
A 4 A 2⊗	FIGURE 6-19 (6070A-4026T)		89536	46 95 93	REF	
C1 C2	CAP, TA, 0.68 UF +/-10≸, 35V CAP, CER, 0.068 UF +/-5≸, 50V	182790 542902	56289 89536	150D684X9035A2 542902	1 1	
СЗ	CAP, CER, 6800 PF +/-5\$, 50V CAP, CER, 680 PF +/-5\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V	542894	89536	542894	1	
C4	CAP, CER, 680 PF +/-5%, 50V	528273	89536	528273	1	
25	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	528273 CW30C224K	10	
26	CAP, CER, 0.22 UF +/-20\$, 50V	309849	71590	CW30C224K	REF	
C8	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF	
9	CAP, CER, 22 PF +/-2%, 100V CAP, CER, 0.22 UF +/-20%, 50V	512871	89536	512871	4	
10	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF	
13	CAP, POLY, 0.793 UF +/-1%, 50V	413591	89536	413591	2	
214	CAP, CER, 0.22 UF +/-20%, 50V CAP, POLY, 0.793 UF +/-1%, 50V CAP, POLY, 0.0786 UF +/-1%, 50V CAP, POLY, 0.00715 UF +/-1%	422998	89536		2	
:15	•			=	2	
	CAP, POLY, 794 PF +/-1\$, 63V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 22 PF +/-2\$, 100V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V	528398	12954	B31063/794/1/63	2	
17	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF	
18	CAP, CER, 22 PF +/-2%, 100V	512871	89536	512871	REF	
:19 :20	CAP CER, 0.22 OF +/=20%, 50%	309849	71590	CW30C224K	REF	
20	ORI, OER, 0.22 dr 47-205, 504	309049	11590	CW30C224K	REF	
21	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW30C224K	REF	
22	CAP, CER, 22 PF +/-2\$, 100V CAP, POLY, 0.793 UF +/-1\$, 50V	512871	89536	512871	REF	
23	CAP, POLY, 0.793 OF +/-13, 50V	512871 413591 422998	89536		REF	
24 25	CAP, POLY, 0.0786 UF +/-1%, 50V CAP, POLY, 0.00715 UF +/-1%			422980	REF	
,23	, , , , , , , , , , , , , , , , , , , ,		09530	422980	REF	
26	CAP, POLY, 794 PF +/-1\$, 63V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 22 PF +/-2\$, 100V CAP, CER, 0.22 UF +/-20\$, 50V DIODE, HI-SPEED SWITCHING	528398	12954	B31063/794/1/63	REF	
27	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	-	REF	
28	CAP, CER, 22 PF +/-2%, 100V	512871	89536		REF	
29 R1	DIODE UT CORED CUITCUING	309849		CW30C224K	REF	
, N I	DIODE, HI-SPEED SWITCHING	203323	07910	1 N4 4 4 8	4	1
R2	DIODE, HI-SPEED SWITCHING	203323	07910	1N4448	REF	
R3	DIODE, HI-SPEED SWITCHING	203323		1 N4 4 4 8	REF	
R4	DIODE, SI, SMALL SIGNAL	313247		HP5082-6264	7	2
R5	DIODE, SI, SMALL SIGNAL	313247		HP5082-6264	REF	
R6 ·	DIODE, SI, SMALL SIGNAL		28484	HP5082-6264	REF	
R 7	DIODE, SI, SMALL SIGNAL DIODE, ZENER DIODE, SI, SMALL SIGNAL DIODE, SI, SMALL SIGNAL DIODE, SI, SMALL SIGNAL	313247		HP5082-6264	REF	
R8	DIODE, ZENER	357848		SZG20118	1	1
R9 R10	DIODE, SI, SMALL SIGNAL	313247		HP5082-6264	REF	
R10	DIODE, SI, SMALL SIGNAL DIODE, SI, SMALL SIGNAL	313247 313247		HP5082-6264 HP5082-6264	REF REF	
	Day William	J.JC7(20707	,002-0204	HEF	
R12	DIODE, HI-SPEED SWITCHING	203323			REF	
1 14	CONNECTOR PF SMR	530261		87334-4	1	
14	CONNECTOR, RF, SMB RELAY, DRY REED	512095 484444	21317	702033 E51AX4	1 3	1
2	RELAY, DRY REED	484444	21317	E51AX4	7 REF	,
5	DELAY DOV DEED	ի Օհ և և և				
3	RELAY, DRY REED	484444	21317		REF	
1 2	TRANSISTOR, FET TRANSISTOR, FET	413690 477448		413690 877888	1	1
-	RES, DEP. CAR, 3.3K +/-5%, 1/4W	477448 348813	89536 80031	477448 CR251-4-5P3K3	1	1
1						

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY
16	RES, VAR, +/-10%, 1/2W	309674	75378	360T-103A	1	
7	RES, MTL. FILM, 42.2K +/-1%, 1/8W	221655	91637	CMF554222F	1	
18	RES, MTL. FILM, 2.80K +/-1%, 1/8W	325670	91637	CMF552801F	1	
19	RES, MTL. FILM, 5.49K +/-1%, 1/8W		91637	CMF555491F	1	
10	RES, MTL. FILM, 100K +/-1%, 1/8W	248807	91637	CMF551003F	3	

111	RES, MTL. FILM, 3.32K +/-1%, 1/8W	312652	91637	CMF553321F	1	
R12	RES, MTL. FILM, 49.9K +/-1%, 1/8W	26 882 1	91637		1	
813	RES, VAR, 1K +/-10%, 1/2W	275750	11236	360T102A	1	
?14	RES, MTL. FILM, 2.21K +/-1%, 1/8W	347476	91637		1	
R15	RES, MTL. FILM, 100K +/-1%, 1/8W	248807	91637	CMF551003F	REF	
R16	RES, MTL. FILM, 475 +/-1%, 1/8W	320010	9163 7	CMF554750F	1	
117				CMF551003F	REF	
	RES, MTL. FILM, 100K +/-1\$, 1/8W					
R18	RES, MTL. FILM, 3.16K +/-1%, 1/8W	235291	91637		1	
R19	RES, DEP. CAR, 22K +/-5%, 1/4W		80031		1	
₹20	RES, MTL. FILM, 4.99K +/~1\$, 1/8W	16 8252	91637	CMF554991F	Ħ	
21	RES, MTL. FILM, 4.99K +/-1%, 1/8W	168252	91637	CMF554991F	REF	
22	RES, MTL. FILM, 316K +/-1%, 1/8W	289496	91637		1	
23	RES, VAR, 100K +/-10%, 1/2W	369520	11236		i	
7			80031		2	
R24	RES, DEP. CAR, 100K +/-5%, 1/4W	348920				
R25	RES, MTL. FILM, 4.99K +/-1%, 1/8W	168252	91637	CMF554991F	REF	
26	RES, MTL. FILM, 4.99K +/-1%, 1/8W	168252	91637	CMF554991F	REF	
27	RES, VAR, 20K +/-10%, 1/2W			360T203A	2	
28	RES, DEP. CAR, 1M +/-5\$, 1/4W	348987	_		2	
R29	RES, VAR, 20K +/-10%, 1/2W	335760	11236	360T203A	REF	
30	RES, DEP. CAR, 100K +/-5\$, 1/4W	348920	80031		REF	
	,, ,	33				
R31	RES, DEP. CAR, 1M +/-5%, 1/4W	348987	80031	CR251-4-5P1M	REF	
CP1	CONNECTOR, TEST POINT	512889	00779	62395-1	5	
FP2	CONNECTOR, TEST POINT	512889	00779	62395-1	REF	
TP3	CONNECTOR, TEST POINT	512889		62395-1	REF	
CP4	CONNECTOR, TEST POINT	512889		62395-1	REF	
	CONNECTOR, TEST POINT IC, 8-BIT ADDRESSABLE LATCH IC, 8-BIT ADDRESSABLE LATCH IC, LINEAR, QUAD COMPARATOR IC, LINEAR, QUAD COMPARATOR					
P5	CONNECTOR, TEST POINT	512889		62395~1	REF	
1100	IC, 8-BIT ADDRESSABLE LATCH	419242			2	1
1200	IC, 8-BIT ADDRESSABLE LATCH	419242			REF	
13	IC, LINEAR, QUAD COMPARATOR	387233	12040	LM339N	2	1
14	IC, LINEAR, QUAD COMPARATOR	387233	12040	LM339N	REF	
æ	DESTRUCTOR NEWWORK	li 4 kooo	90526	li 1 liûn o		4
5	RESISTOR NETWORK	414003		414003	1	1
16	IC, LINEAR, OP-AMP, J-FET INPUT		89536	483438	1	1
18	IC, LINEAR OP-AMP	495051	18324	NE5534N	4	1
10	IC, HYBRID ASSEMBLY	480756	89536	480756	2	1
1100	IC, LINEAR, D-MOS FET QUAD ANALOG	507228	18324	SD50021J	4	1
1200	IC, LINEAR, D-MOS FET QUAD ANALOG	507222	18221	SD50021J	REF	
	IC. LINEAR OP-AMP		18324		REF	
113						
14	IC, HYBRID ASSEMBLY	480756			REF	
1500	IC, LINEAR, D-MOS FET QUAD ANALOG	507228			REF	
16Ø	IC, LINEAR, D-MOS FET QUAD ANALOG	507228	18324	SD50021J	REF	
17	IC, LINEAR OP-AMP	105051	18321	NE5534N	REF	
18	IC, LINEAR OP-AMP			NE5534N	REF	
						1
19	RESISTOR NETWORK			501841	1	1
20	IC, TTL, HEX INVERTER SOCKET, TRANSISTOR	407593			1	1
Q2		ンドランドン	71785	1-33-23-92-045	1	

Table 6-19. A4A2 Modulation Oscillator PCB Assembly (cont)

REF Des	OESCRIPTION	FLUKE STDCK ND.	MFG SPLY CDDE	MFG PART ND.	TOT QTY	REC QTY	
XU1	SOCKET, IC 16-PIN	276535	91506	316-AG39D	7		
XU2	SOCKET, IC 16-PIN	276535	91506	316-AG39D	REF		
XU3	SOCKET, IC 14-PIN	276527	91507	314-AG39D	4		
XU4	SOCKET, IC 14-PIN	276527	91507	314-AG39D	REF		
XU6	SOCKET, IC 14-PIN	276527	91507	314-AG39D	REF		
8UX	SOCKET, IC 8-PIN	478016	91506	308-AG39D	4		
XU11	SOCKET, IC 16-PIN	276535	91506	316-AG39D	REF		
XU12	SOCKET, IC 16-PIN	276535	91506	316-AG39D	REF		
XU13	SOCKET, IC 8-PIN	478016	91506	308-AG39D	REF		
XU15	SOCKET, IC 16-PIN	276535	91506	316-AG39D	REF		
X U16	SOCKET, IC 16-PIN	276535	91506	316-AG39D	REF		
XU17	SOCKET, IC 8-PIN	478016	91506	308-AG39D	REF		
XU18	SOCKET, IC 8-PIN	478016	91506	308-AG39D	REF		
XU19	SOCKET, IC 16-PIN	276535	91506	316-AG39D	REF		
XU20	SOCKET, IC 14-PIN	276527	91507	314-AG39D	REF		

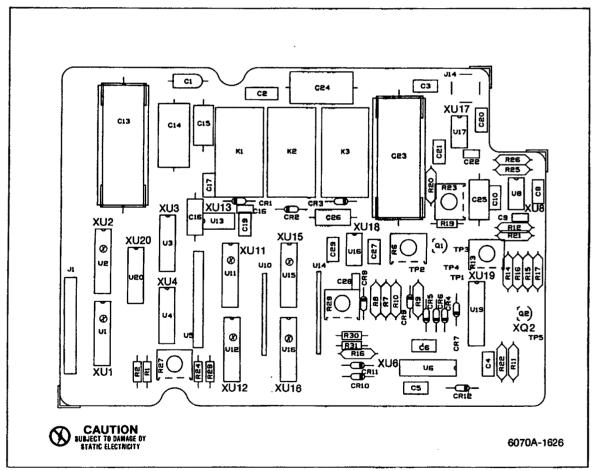


Figure 6-19. A4A2 Modulation Oscillator PCB Assembly

Fable 6-20. A4A3 Attenuator PCB Assembly

	Table 6-20. A4A3	Attenuator Pe	CB Asse	embly			
REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY		N O T E
A4A3	ATTENUATOR PCB ASSEMBLY FIGURE 6-20 (6070A-4005T)	462432	89536	462432	REF		1
C1 C2	CAP, CER, .001 UF +/-20%, 500V CAP, CER, .001 UF +/-20%, 500V	402966 402966	72982 72982		18 Ref		
c3	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C4	CAP, CER, .001 UF +/-20%, 500V	402966	72982		REF		
C5	CAP, CER, .001 UF +/-20%, 500V	402966	72982		REF		
C6	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C8	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C9	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C16	CAP, CER, .001 UF +/-20%, 500V	402966	72982	_ :	REF		
C11	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C12	CAP, CER, .001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
C13	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C15	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C16	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C17	CAP, CER, .001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
C18	CAP, CER, .001 UF +/-20%, 500V	402966	72982		REF		
C19	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C20	CAP, CER, .001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C22	CAP, TA, 22 UF +/-20\$, 35V	394775		196D226X0035TE4	1		
CR1 CR2	DIODE, LO-CAP, LO-LEAK	375907		FD7222	6	2	
CR3	DIODE, LO-CAP, LO-LEAK DIODE, LO-CAP, LO-LEAK	375907		FD7222	REF		
	DIODE, HO-ORI, EO-LERK	375907	01203	FD7222	REF		
CR4	DIODE, LO-CAP, LO-LEAK	375907	07263	FD7222	REF		
CR5	DIODE, LO-CAP, LO-LEAK	375907	07263	FD7222	REF		
CR6	DIODE, LO-CAP, LO-LEAK	375907		FD7222	REF		
CR8	DIODE, ZENER, 24.0V +/-5%	267807		1 N97 08	6	2	
CR9	DIODE, ZENER, 24.0V +/-5%	267807	04713	1N9708	REF		
CR10	DIODE, ZENER, 24.0V +/-5%	267807	04713	1N9708	REF		
CR11	DIODE, ZENER, 24.0V +/-5%	267807	04713	1N9708	REF		
CR12	DIODE, ZENER, 24.0V +/-5%	267807	04713	1 N9708	REF		1
CR13	DIODE, ZENER, 24.0V +/-5%	267807	04713	T 1	REF		i
H1	WASHER, CRESCENT SPRING	544239	89536	544239	6		i
J1	CONNECTOR, RF, RECEPTACLE	512087	16733	705147-001	1		
J2	CONNECTOR, CON HEX R.A.	512855	74970	142-0299-006	1		
K1	RELAY, ARMATURE	528638		712-26	6	2	2
K2	RELAY, ARMATURE	528638		712-26	REF		2
К3	RELAY, ARMATURE	528638	11532	712-26	REF		2
K4	RELAY, ARMATURE	528638	11532	712-26	REF		2
K5	RELAY, ARMATURE	528638		712-26	REF		2
K6	RELAY, ARMATURE	528638		712-26	REF		2
L1 L2	CHOKE, 6-TURN	320911	89536	320911	12		
ant.	CHOKE, 6-TURN	320911	89536	320911	REF		Į
L3	CHOKE, 6-TURN	320911	89536	320911	REF		-
L4	CHOKE, 6-TURN	320911	89536	320911	REF		- 1
L5	CHOKE, 6-TURN	320911	89536	320911	REF		- 1
L6 L8	CHOKE, 6-TURN	320911	89536	320911	REF		- 1
TO	CHOKE, 6-TURN	320911	89536	320911	REF		
							- 1

Table 6-20. A4A3 Attenuator PCB Assembly (cont)

REF		FLUKE	MFG	MEO BARY NO	тот	REC	ő
DES	DESCRIPTION	STDCK NO.	SPLY CDOE	MFG PART ND.	QTY	QTY	Ť
			00-06	200014	DEC		
L9	CHOKE, 6-TURN	320911	89536	320911	REF		
L10	CHOKE, 6-TURN	320911	89536	320911	REF		
L11	CHOKE, 6-TURN	320911	89536	320911	REF		
L12	CHOKE, 6-TURN	320911	89536	320911	REF		
L13	CHOKE, 6-TURN	320911	89536	320911	REF		
MP1	AIDE, PCB PULL (NOT SHOWN)	541730	89536	541730	3		
MP2	CONNECTOR COVERS (W/J1, J2)	488445	89536	488445	2		
MP3	TAB, COPPER (W/K1 - K6)	541672	89536	541672	6		
P1	CONNECTOR, RECEPTACLE	544056	89536	544056	7		
Q1	TRANSISTOR, SI, NPN	218081	04713	MPS6520	1	1	Í
Q3	TRANSISTOR, SI, PNP	418707	04713	MPS56562	6	2	<u> </u>
Q4	TRANSISTOR, SI, PNP	418707	04713	MPS56562	REF		
Q5	TRANSISTOR, SI, PNP	418707	04713	MPS56562	REF		
Q6	TRANSISTOR, SI, PNP	418707	047 13	MPS56562	REF		
Q7	TRANSISTOR, SI, PNP	418707	04713	MPS56562	REF		
Q8	TRANSISTOR, SI, PNP	418707	04713	MPS56562	REF		
R1	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251~4-5P7K5	6		
R2	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251-4-5P7K5	REF		
R3	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251-4-5P7K5	REF		
R4	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251-4-5P7K5	REF		
R5	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251-4-5P7K5	REF		
R6	RES, DEP. CAR, 7.5K +/-5%, 1/4W	441667	80031	CR251-4-5P7K5	REF		
R8	RES. DEP. CAR, 680 +/-5\$, 1/4W	368779	80031	CR251-4-5P680E	6		
R9	RES, DEP. CAR, 680 +/-5%, 1/4W	368779	80031	CR251-4-5P680E	REF		
R10	RES, DEP. CAR, 680 +/-5%, 1/4W	368779	80031	CR251-4-5P680E	REF		
R1 1	RES. DEP. CAR, 680 +/-5%, 1/4W	368779	80031	CR251-4-5P680E	REF		
R12	RES. DEP. CAR, 680 +/-5%, 1/4W	368779		CR251-4-5P680E	REF		
R13	RES, DEP. CAR, 680 +/-5%, 1/4W	368779		CR251-4-5P680E	REF		
R15	RES, DEP. CAR, 510, +/-5%, 1/4W	441600		CR251-4-5P510E	6		
R16	RES, DEP. CAR, 510, +/-5%, 1/4W	441600	-		REF		
R17	RES, DEP. CAR, 510, +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R18	RES, DEP. CAR, 510, +/-5%, 1/4W	441600	-		REF		
R19	RES, DEP. CAR, 510, +/-5%, 1/4W	441600	_		REF		
-	RES, DEP. CAR, 510, +/-5%, 1/4W	441600		CR251-4-5P510E	REF		
R20 R22	RES, MTL. FILM, 37.4 +/-0.1%, 1/8W	46 1079		46 1079	1		:
Poo	RES, MTL. FILM, 150.0 +/-0.1%, 1/8W	461624	89536	46 16 24	2		:
R23	RES, MTL. FILM, 150.0 +/-0.1%, 1/8W	46 16 24		46 16 24	REF		
R24 .	RES, MTL. FILM, 190.0 4/-0.1%, 1/8W	46 16 16	89536	46 16 16	1		
R25	RES, MTL. FILM, 83.5 +/-0.1%, 1/8W	461608		46 16 08	2		
R26 R27	RES, MTL. FILM, 83.5 +/-0.1%, 1/8W	46 16 08		46 16 08	REF		
		461632	89536	461362	Ħ		
R28	RES, MTL. FILM, 402.0 +/-0.1%, 1/8W	461590	89536	46 15 90	8		
R29	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W			46 15 90	REF		
R30	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W	461590	89536 80536	461362	REF		
R31	RES, MTL. FILM, 402.0 +/-0.1%, 1/8W	461632			REF		
R32	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W	46 1590	89536	46 1590	1447		
R33	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W	46 1590	89536	461590	REF		
R34	RES, MTL. FILM, 402.0 +/-0.1%, 1/8W	46 1632		461362	REF		
	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W	46 15 90	89536	46 1590	REF		
R35	100 MM DTIM EE 0 ./ 0 18 1/8W	46 1590	89536	461590	REF		
R35 R36	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W RES, MTL. FILM, 402.0 +/-0.1%, 1/8W	46 16 32		461362	REF		

Table 6-20. A4A3 Attenuator PCB Assembly (cont)

REF DES		DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MEG PART NO.	TOT QTY	REC QTY	O T E
R38 R39 U2 U3 U4	RES IC, RES	, MTL. FILM, 56.9 +/-0.1%, 1/8W 5 TRANSISTOR ARRAY ISTOR NETWORK, 1K	46 1590 46 1590 380 188 407 445 36 4000	89536 89536 02735 89536 89536		REF REF 1 1	1 1 1	2
	1	RES, MTL. FILM, 56.9 +/-0.1%, 1/8W RES, MTL. FILM, 1/8W RES, MTL.						
	2	THE USER IS URGED TO RETURN THE	KE					

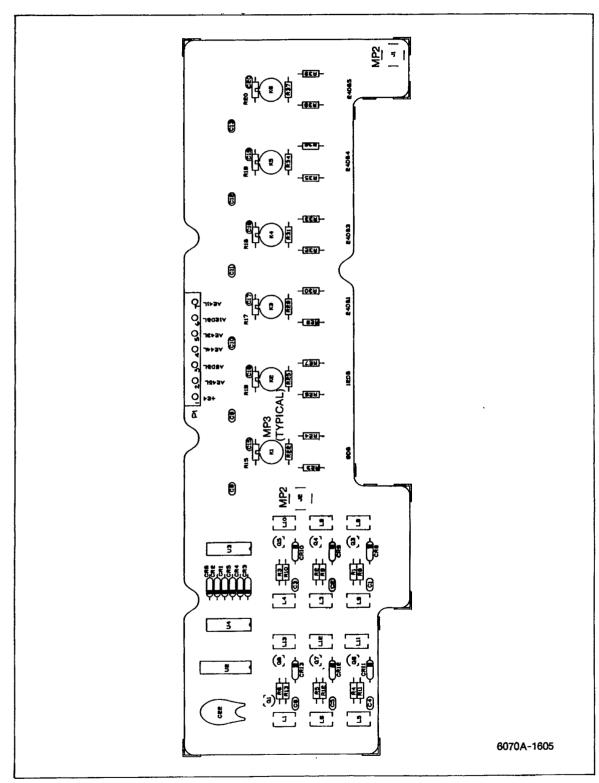


Figure 6-20. A4A3 Attenuator PCB Assembly

Table 6-21. A4A4 Modulator Divider PCB Assembly

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY	
44A4Ø	MODULATOR DIVIDER PCB ASSEMBLY FIGURE 6-21 (6070A-4016T)	46 3596	89536	463596	REF		
C1 C2	CAP, TA, 10 UF +/-20\$, 20V CAP, CER, 0.001 UF +/-20\$, 500V	330662 402966	56289 7 2982	196D106X0020KA1 8121-A100-W5R-102M	14 25		
23	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	REF		
14	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	REF		
25	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	REF		
26	CAP, TA, 10 UF +/-20%, 20V		56289		REF		
7	CAP, TA, 10 UF +/-20\$, 20V	330662	56289	196D106X0020KA1	REF		
8	CAP, TA, 10 UF +/-20\$, 20V	330662	56289	196D106X0020KA1	REF		
:9	CAP, TA, 10 UF +/-20%, 20V	330662		196D106X0020KA1	PEF		
C10	CAP, TA, 10 UF +/-20%, 20V		56289		REF		
211	CAP, TA, 10 UF +/-20%, 20V		56289		ref ref		
12	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	HEF		
214	CAP, CER, 0.001 UF +/-20%, 500V	402966			REF		
215	CAP, TA, 10 UF +/-20%, 20V		56289		REF		
16	CAP, CER, 47 PF +/-2%, 100V		89536		7		
17	CAP, CER, 47 PF +/-2%, 100V		89536		ref ref		
18	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5 R-102M	HEE		
19	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
20	CAP, CER, 100 PF +/-2%, 100V	-	89536		6		
21	CAP, TA, 10 UF +/-20%, 20V		56289		REF 6		
:22 :23	CAP, CER, 0.01 UF +/-20\$, 100V CAP, CER, 0.01 UF +/-20\$, 100V		72982 72982		REF		
,23					200		
C24	CAP, CER, 0.01 UF +/-20%, 100V		72982		REF REF		
C25	CAP, CER, 0.01 UF +/-20%, 100V		72982 72982		REF		
C26	CAP, CER, 0.001 UF +/=20%, 500V	402900 512368	89536	512368	REF		
C27 C28	CAP, CER, 47 PF +/-2%, 100V CAP, CER, 0.047 UF +/-20%, 50V		71590		7		
		116.0022	71590	CW20C473M	REF		
C29	CAP, CER, 0.047 UF +/-20%, 50V CAP, CER, 0.047 UF +/-20%, 50V	460733 460733			REF		
C30	CAP, CER, 0.047 OF +/-20, 50V CAP, CER, 47 PF +/-25, 100V	512368		512368	REF		
C31 C32	CAP, CER, 100 PF +/-2%, 100V		89536	·	REF		
232 233	CAP, CER, 0.047 UF +/-20%, 50V		71590		REF		
		E 1 2 9 H 9	89536	512848	REF		
234	CAP, CER, 100 PF +/-2%, 100V CAP, CER, 0.047 UF +/-20%, 50V		71590		REF		
35 36	CAP, CER, 0.047 OF +/-2%, 300V		89536		REF		
230 237	CAP, CER, 0.01 UF +/-20%, 100V		72982	8121-A100-W5R-103M	REF		
38	CAP, CER, 0.01 UF +/-20%, 100V	407 36 1	72982	8121-A100-W5R-103M	REF		
20	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
239 240	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
24 1	CAP, CER, 100 PF +/-2%, 100V	512848		512848	REF		
242	CAP, CER, 0.047 UF +/-20%, 50V	46 07 33	71590	CW20C473M	REF		
43	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
244	CAP. CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
245	CAP, CER, 0.001 UF +/-20%, 500V	402966	_	8121-A100-W5 R-102M	REF		
C46	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
	CAP, CER, 100 PF +/-2%, 100V	512848		512848	REF		
C47	CAP, CER, 0.047 UF +/-20%, 50V	460733	71590	CW20C473M	REF		

Table 6-21. A4A4 Modulator Divider PCB Assembly (cont)

REF	DESCRIPTION	FLUKE Stock	MFG SPLY	MFG PART NO.	TOT OTY	REC	
DES		NO.	CODE		1017	TID	L
C49	CAP. CER. 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5 R-102M	REF		
C50	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
-	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102H	REF		
C51			72982		REF		
C52	CAP, CER, 0.001 UF +/-20%, 500V	402966					
C53	CAP, CER, 12 PF +/-2%, 100V	376871	89536	376871	1		
C54	CAP, CER, 6.8 PF +/-0.25PF, 100V	512327		512327	1		
C55	CAP, CER, 15 PF +/-2%, 100V		89536	369074	1		
C56	CAP, CER, 18 PF +/-2%, 100V		89536	512335	4		
C57	CAP, CER, 18 PF +/-2%, 100V	512335	89536	512335	REF		
C58	CAP, CER, 18 PF +/-2%, 100V	512335	89536	512335	REF		
C59	CAP, CER, 10 PF +/-2%, 100V	512343	89536	512343	2		
C60	CAP, CER, 22 PF +/-2%, 100V	_	89536	512871	1		
C61	CAP, CER, 27 PF +/-2%, 100V		89536	362749	5		
	CAP, CER, 27 PF +/-2%, 100V		89536	362749	REF		
C62					REF		
C63	CAP, CER, 18 PF +/-2%, 100V	512335	89536	512335	ner		
C64	CAP, CER, 10 PF +/-2%, 100V		89536	512343	REF		
265	CAP, CER, 27 PF +/-2%, 100V		89536	362749	REF		
C66	CAP, CER, 27 PF +/-2%, 100V	362749	89536	362 7 49	REF		
C67	CAP, CER, 27 PF +/-2%, 100V	362749	89536	362749	REF		
C68	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
269	CAP, CER, 0.001 UF +/-20\$, 500V	402966	72982	8121-A100-W5R-102M	REF		
270	CAP. TA 6.8 UF +/-204. 35V	363713			5		
C71	CAP CEP 0 001 UF 1/204 500V	102066		8121-A100-W5R-102M	REF		
	CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 0.001 UF +/-20%, 500V CAP, TA, 6.8 UF +/-20%, 35V	363713		196D685X0035KA1	REF		
C72 C73	CAP, TA, 6.8 UF +/-20%, 35V	363713		196D685X0035KA1	REF		
		262042	F6 000	4060605050005044	555		
C74	CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 0.001 UF +/-20\$, 500V	363713		196D685X0035KA1	REF		
C75	CAP, CER, 0.001 UF +/-20%, 500V			8121-A100-W5R-102M	REF		
C76	one, out, 0.00.	402966			REF		
C77	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C78	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C79	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C80	CAP. TA, 10 UF +/-20%, 20V	-	56289	196D106X0020KA1	REF		
C81	CAP, CER, 68 PF +/-2\$, 100V	362756		362756	1		
		363713		196D685X0035KA1	REF		
082 083	CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 0.001 UF +/-20%, 500V		72982	8121-A100-W5R-102M	REF		
-		hoods	72002	9121 \$100. UE D 102U	REF		
C84	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
C85	CAP, CER, 47 PF +/-2%, 100V		89536	512368			
C86	CAP, CER, 47 PF +/-2%, 100V	512368		512368	REF		
C87 CR1	CAP, CER, 47 PF +/-2%, 100V DIODE, HI-SPEED SWITCHING		89536 04713	512368 1N4448	REF 7	2	2
Z 11 1	•						
CR2	DIODE, HI-SPEED SWITCHING		04713	1N4448	REF		
CR3	DIODE, HI-SPEED SWITCHING	203323	04713	1N4448	REF		
CR4	DIODE, HI-SPEED SWITCHING	203323	047 13	1N4448	REF		
CR5	DIODE, HI-SPEED SWITCHING	203323	04713	1 N 4 4 4 8	REF		
CR6	DIODE, SMALL SIGNAL	402776		HP3379	16	ı	4
CR7	DIODE, SMALL SIGNAL	402776	28480	HP3379	REF		
CR8	DIODE, SMALL SIGNAL	402776		HP3379	REF		
	DIODE, SMALL SIGNAL	402776		HP3379	REF		
	DIODE, SMALL SIGNAL	402776		HP3379	REF		
CR9	HILLING. SMALL STUNKL	702110	20700	*** JJ 7			
CR10 CR11	DIODE, SMALL SIGNAL	402776	28480	HP3379	REF		

Table 6-21. A4A4 Modulator Divider PCB Assembly (cont)

REF DES	OESCRIPTION .	FLUKE Stock No.	MFG SPLY CODE	MFG PART NO.	TOT QTY		
		10.0776	201.00	up2270	REF	,	
CR12	DIODE, SMALL SIGNAL	402776			REF		
CR13	DIODE, SMALL SIGNAL	402776	28480	HP3379	REF		
CR14	DIODE, SMALL SIGNAL	402776	28480	HP3379	REF		
CR15	DIODE, SMALL SIGNAL	402776	28480	HP3379			
CR16	DIODE, ZENER	454595	12969	UZ8706	1		
CR17	DIODE, SMALL SIGNAL	402776	28480	HP3379	REF		
CR18	DIODE, SMALL SIGNAL	402776			REF		
CR19	DIODE, SMALL SIGNAL	402776	28480		REF		
CR20	DIODE, SMALL SIGNAL	402776	28480		REF		
CR21	DIODE, HI-SPEED SWITCHING	203323	04713	1N4448	REF		
CR22	DIODE, HI-SPEED SWITCHING	203323		1N4448	REF		
CR23	DIODE, SMALL SIGNAL	402776	28480		REF		
CR24	DIODE, SMALL SIGNAL	402776			REF		
CR25	DIODE, SI, SWITCHING	535138	04713		1		1
CR26	DIODE, ZENER, 9.1V +/-5%	36 95 8 7	04713	1N757A	1	1	1
J1	CONNECTOR, RF, SMB	512095	16733		3		
J2	CONNECTOR, RF, SMB	512095	16733	702033	REF		
J3	CONNECTOR, RF, SMB	512095	16733	702033	REF		
L1	CHOKE, 6-TURN	320911	89536	320911	14		
L3	INDUCTOR, 0.33 UH	261743	24759	MR0.33	3		
L4	CHOKE, 6-TURN	320911	895 3 6	320911	REF		
L5	INDUCTOR, 0.10 UH		24759	•	2		
1.6	INDUCTOR, 0.10 UH	257154			REF		
L7	INDUCTOR, 0.33 UH		24759		REF		
L8	INDUCTOR, 0.33 UH	261743			REF		
L9	CHOKE, 6-TURN	320911	89536	320911	REF		
L10	CHOKE, 6-TURN	-	89536	320911	REF		
L10	CHOKE, RF, 150 UH +/-5\$		72259		1		
L12	CHOKE, 6-TURN	320911	89536	320911	REF		
L13	CHOKE, 6-TURN	320911		320911	REF		
		200011	90526	220011	REF		
L14	CHOKE, 6-TURN	320911	89536	320911			
L15	CHOKE, 6-TURN		89536	320911	REF		
L16	CHOKE, 6-TURN	320911	89536	320911	REF		
L17	CHOKE, 6-TURN		89536		REF		
L18	CHOKE, 6-TURN	320911	89536	320911	REF		
L19	CHOKE, 6-TURN		89536	320911	REF		
L20	CHOKE, 6-TURN	320911		320911	REF		
L21	CHOKE, 6-TURN	320911	89536	320911	REF		
MP1	AIDE, PCB PULL	541730	89536	541730	3		
MP3	SHIELD, BOTTOM, MODULE DIVIDER	515916	89536	515916	1		
MP4	SHIELD, TOP, MODULE, DIVIDER	515882	89536	515882	1		
MP5	SHIELD, RF CONNECTOR (W/J1-J3)	488455		488455	3		
MP6	SOCKET, COMPONENT LEAD (NOT SHOWN)	343285		_	14		
MP7	SOCKET, COMPONENT LEAD (NOT SHOWN)	376418			142		
MP8	CONNECTOR, RECEPTACLE	544056	00779	_	11		
Q1	TRANSISTOR, SI, PNP	352369	12040	2N4403	3		1
	TRANSISTOR, D-MOS	507905		-	2		1
Q2Ø	TRANSISTOR, D-MOS	507905			REF		
Q3 Ø		218396			1		1
Q4	TRANSISTOR, SI, NPN TRANSISTOR, SI, PNP		12040	- :	REF		•
Q5	INGRALATIO, AL. ENE						

Table 6-21. A4A4 Modulator Divider PCB Assembly (cont)

REF Des	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT VTQ	REC QTY	
06	TRANSTOTAD OF DND	252260	1 20 00	2N4403	REF		
Q6	TRANSISTOR, SI, PNP	352369 507921	12040 18324		1	1	
Q7Ø	TRANSISTOR, D-MOS, FIELD EFFECT				i	•	
R1	RES, DEP. CAR, 100 +/-5%, 1/4W	=		CR251-4-5P100E	i		
R2	RES, DEP. CAR, 680 +/-5%, 1/4W	36 8779	00031	CR251-4-5P680E	7		
R3	RES, DEP. CAR. (SELECTED)				•		
R4	RES, DEP. CAR. (SELECTED)				REF		
R5	RES, DEP. CAR. (SELECTED)				REF		
R6	RES, DEP. CAR. (SELECTED)				REF		
R7	RES, DEP. CAR. (SELECTED)				REF		
R8	RES, DEP. CAR. (SELECTED)				REF		
R9	RES, DEP. CAR. (SELECTED)				REF		
R10	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	7		
R11	RES, DEP. CAR, 6.2K +/-5%, 1/4W	442368		CR251-4-5P6K2	1		
R12	RES, DEP. CAR, 300 +/-5%, 1/4W	441519	80031	CR251-4-5P300E	2		
R13	RES, DEP. CAR, 2.7K +/-5%, 1/4W	386490	80031		2		
-				PD	_		
R14	RES, COMP, 1K +/-10%, 1/8W	153916	01121	BB1021	1		
R15	RES, DEP. CAR, 2K +/-5%, 1/4W	441469		CR251-4-5P2K	4		
R16	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	•		6		
R17	RES, DEP. CAR, 2K +/-5%, 1/4W	441469			REF		
R18	RES, MTL. FILM, 3.65K +/-1%, 1/8W	293779	91637	CMF553651F	1		
R19	RES, MTL. FILM, 1.40K +/-5%, 1/8W	344333	91637	CMF551401F	1		
R20	RES, COMP, 150 +/-5\$, 1/8W	153924	01121	BB1515	1		
R21	RES. DEP. CAR, 2K +/-5%, 1/4W	441469	80031	CR251-4-5P2K	REF		
R22	RES, COMP, 180 +/-5%, 1/8W	512756	01121	BB1815	2		
R23	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
R24	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	7		
R25	RES, DEP. CAR, 82K +/-5\$, 1/4W	348912	.		i		
R26	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	REF		
R27	RES, DEP. CAR, 330K +/-5%, 1/4W	376640	80031	· .	6		
R28	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	REF		
		2000 110	00004	anora h Engany	Dee		
R29	RES, DEP. CAR, 330K +/-5%, 1/4W	376640	_		REF		
R30	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	REF		
R31	RES, DEP. CAR, 330K +/-5%, 1/4W	376640			REF		
R32	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	REF		
R33	RES, DEP. CAR, 330K +/-5%, 1/4W	376640	80031	CR251-4-5P330K	REF		
R34	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	4		
R35	RES, DEP, CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R36	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031		REF		
R37	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	80031		2		
R38	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031		REF		
226	DEC HAD 100V ./ 104 1/0U	250520	11226	360T-104A	REF		
R39	RES, VAR, 100K +/-10%, 1/2W	369520	11236	-	REF		
R40	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	1 Dr		
R41	HES, DEP. CAR, 12K +/-5%, 1/4W	348847	80031	CR251-4-5P12K	_		
R42	RES, DEP. CAR, 330K +/-5%, 1/4W	376640	80031	CR251-4-5P330K	REF		
R43	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
R44	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
R45	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R46	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R47	RES. VAR. 100K +/-10%, 1/2W	369520	11236	360T-104A	REF		
		348839	80031	CR251-4-5P10K	REF		
R4 &	RES, DEP. CAR, 10K +/-5≸, 1/4W	J400J	0003.	ONE JI - I - JI TOIL			

REF DES	DESCRIPTION	FLUKE Stock No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	1	
		a li O O lice	00024	CDOE1 N EDION	REF		
149	RES, DEP. CAR, 12K +/-5%, 1/4W	348847	80031	CR251-4-5P12K	REF		
150	RES, DEP. CAR, 10K +/-5%, 1/4W	348839			REF		
51	RES, DEP. CAR, 51 +/-5%, 1/4W	414540			REF		
52	RES, DEP. CAR, 1K +/-5%, 1/4W	343426					
53	RES, DEP. CAR, 330K +/-5\$, 1/4W	376640	80031	CR251-4-5P330K	REF		
54	RES, DEP. CAR, 1K +/-5%, 1/4W	343426			REF		
55	RES, DEP. CAR, 220K +/-5%, 1/4W	348953		CR251-4-5P220K	6		
156	RES, DEP. CAR, 220K +/-5%, 1/4W	348953	80031	CR251-4-5P220K	REF		
5 7	RES, DEP. CAR, 220K +/-5%, 1/4W	348953	80031		REF		
58	RES, DEP. CAR, 220K +/-5%, 1/4W	348953	80031	CR251-4-5P220K	REF		
59	RES, DEP. CAR, 470 +/-5\$, 1/4W	343434	80031	CR251-4-5P470E	1		
60	RES, DEP. CAR, 220K +/-5\$, 1/4W	348953	80031	CR251-4-5P220K	REF		
61	RES, DEP. CAR, 220K +/-5%, 1/4W	348953		CR251-4-5P220K	REF		
62	RES, COMP, 100 +/-5%, 1/2W	188508	01121	EB1015	2		
63	RES, DEP. CAR, 22K +/-5%, 1/4W	348870	80031	CR251-4-5P22K	1		
64	RES, DEP. CAR, 2K +/-5%, 1/4W	441469	80031	CR251-4-5P2K	REF		
65	RES, DEP. CAR, 20K +/-5%, 1/4W	441477	_		1		
66	RES, COMP, 100 +/-5%, 1/2W	188508	-		REF		
67	RES, DEP. CAR, 10K +/-5%, 1/4W	348839		CR251-4-5P10K	REF		
68	RES, DEP. CAR, 3.6K +/-5%, 1/4W	442343		CR251-4-5P3K6	1		
× 0	PPS COMP 10 ./10# 1/2W	108092	01121	EB1001	1		
69	RES, COMP, 10 +/-10%, 1/2W RES, COMP, 470 +/-5%, 1/2W	108787			i		
70	DEC DED CAD 2 78 ./_Ef 1/HW	386490			REF		
71	RES, DEP. CAR, 2.7K +/-5%, 1/4W RES, DEP. CAR, 300 +/-5%, 1/4W	441519			REF		
72 73	RES, DEP. CAR, 1M +/-5%, 1/4W	348987		CR251-4-5P1M	1		
or li	DDG DDD GAD 100V / Ed 1/HW	348920	80031	CR251-4-5P100K	1		
74	RES, DEP. CAR, 100K +/-5%, 1/4W RES. COMP. 4.7K +/-5%, 1/4W	348821		and the second s	3		
75		348821			REF		
76	RES, COMP, 4.7K +/-5%, 1/4W	441501			1		
77 78	RES, DEP. CAR, 27K +/-5%, 1/4W RES, COMP, 100 +/-10%, 1/8W	26 1826		BB1011	1		
		545050	04404	DD4.045			
79	RES, COMP, 120 +/-5%, 1/8W		01121		1		
80	RES, DEP. CAR, 10 +/-5%, 1/4W	340075			1		
81	RES, DEP. CAR, 160 +/-5%, 1/4W	441410			1		
82	RES, COMP, 200 +/-5%, 1/2W	169839			2		
83	RES, COMP, 4.7K +/-5%, 1/4W	348821	01121	CB4725	REF		
84	RES, COMP, 200 +/-5%, 1/2W	169839	01121		REF		
85	RES, COMP, 6.8 +/-5%, 1/8W	528349	01121		2		
86	RES, COMP, 6.8 +/-5%, 1/8W	528349	01121	BB6 R85	REF		
87	RES, COMP, 180 +/-5%, 1/8W	512756	01121	BB1815	REF		
88	RES, VAR, 1K +/-10%, 1/2W	275750	11236	360T-102A	1		
P1	TEST POINT	512889	00779	62395-1	3		
.b5	TEST POINT	512889			REF		
P3	TEST POINT	512889			REF		
F3 1	IC, HYBRID, 8DB POWER AMP	492801			1		1
200	IC, 8-CHANNEL MULTIPLEX SWITCH W/DECODE	507897			1		1
	TO THE OUAD O THOUT NOD CATE	393041	01295	SN74LSO2N	1		1
3	IC, TTL, QUAD, 2-INPUT NOR GATE	492769			5		i
4	IC, HYBRID, MODULATOR	492769			REF		•
500	IC, HYBRID, MODULATOR	504720			3		1
16 17	IC, LINEAR, LO-NOISE, DUAL OP-AMP IC, LINEAR, LO-NOISE, DUAL OP-AMP	504720		and the same of th	REF		•
	II. LINKAK. LISANGISK. DUAL UPSAME	204120	10344		1111		

Table 6-21. A4A4 Modulator Divider PCB Assembly (cont)

REF Des	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.		REC QTY	_
U8	IC, LINEAR, LO-NOISE, DUAL OP-AMP	504720	18324	NE5532FE	REF		
U9Ø	IC. LINEAR OP-AMP	495051		NE5534N	1	1	
U10	IC. HYBRID. MODULATOR	492769		492769	REF		
U11	IC. HYBRID, LIMITER AMP	492728	89536	492728	2	1	
U12Ø	IC, HYBRID, MODULATOR	492769		492769	REF		
ับ13	IC, HYBRID, LIMITER AMP	492728	89536	492728	REF		
U14	IC, ECL, 750 MHZ, D TYPE, M/S, F/F	404574	89536	404574	2	1	
U 15	IC, ECL, 750 MHZ, D TYPE, M/S, F/F	404574	89536	404574	REF		
บ16	IC. BCD-TO-DECIMAL DECODER DRIVER	419192	01295	SN7 4LS1 45N	1	1	
U17	RESISTOR NETWORK	512913	89536	512913	1	1	
U18Ø	IC, HYBRID, MODULATOR	492769	89536	492769	REF		
W1	CABLE ASSEMBLY, SEMI-RIGID	530766	89536	530766	1		
W48	CABLE ASSEMBLY, SEMI-RIGID	524975	89536	524975	1		
XQ1	SOCKET, TRANSISTOR	285262	71785	1-33-23-92-045	3		
XQ5	SOCKET, TRANSISTOR	285262	7 17 85	1-33-23-92-045	REF		
XQ6	SOCKET. TRANSISTOR	285262	71785	1-33-23-92-045	REF		
XU2	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	2		
XU3	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	1		
XU6	SOCKET, IC, 8-PIN	478012	91506	308-AG39D	4		
XU7	SOCKET, IC, 8-PIN	478012	91506	308-AG39D	REF		
XU8	SOCKET, IC, 8-PIN	478012	91506	308-AG39D	REF		
XU9	SOCKET, IC, 8-PIN	478012	91506	308-AG39D	ref		
XU16	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	REF		

- 1 RESISTORS R3 THRU R9 ARE SELECTED RESISTORS IN TEST DEPT. CALL YOUR SERVICE LAB FOR REORDER INSTRUCTIONS.
- 2 IF THESE COMPONENTS FAIL
 THE USER IS URGED TO RETURN THE
 GENERATOR TO THE NEAREST JOHN FLUKE
 SERVICE CENTER.

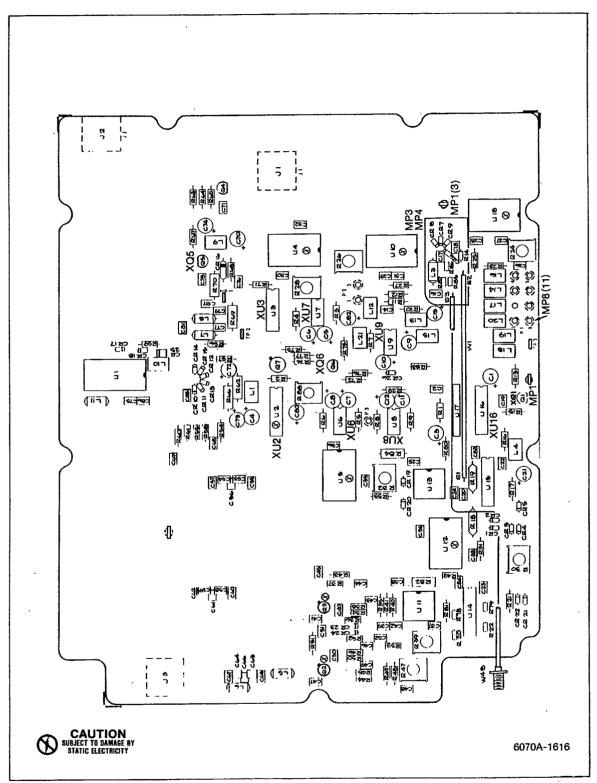


Figure 6-21. A4A4 Modulator Divider PCB Assembly

REF DES	OESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY	
A4 A6 Ø	X2 OUTPUT AMPLIFIER PCB ASSEMBLY FIGURE 6-22 (6071A-4017T) (USED ON 6071A ONLY)	546465	89536	546465	REF		
C1 .	CAP, TA, 2.2 UF +/-20≸, 35V	485185	56289	196225X0035KA1	4		
C2	CAP. TA. 6.8 UF +/-20%, 35V	363713	56 289	196D685X0035KA1	12		
СЗ	CAP, CER, 0.001 UF +/-20%, 500V			8121-A100-W5R-102M	23		
C5	CAP, CER, 0.005 UF +/-20%, 50V	255471	51642	200-050-601-502M	1		
C7	CAP, TA, 6.8 UF +/-20\$, 35V	363713	56289	196D685X0035KA1	REF		
C8	CAP, CER, 47 PF +/-25, 100V	512368	89536	512 36 8	15		
C9	CAP, CER, 47 PF +/-2%, 100V	512368	89536	512368	REF		
C10	CAP, CER, 47 PF +/-2%, 100V	512368		512368	REF		
C11	CAP, CER, 47 PF +/-2%, 100V	512368			REF		
C12	CAP, CER, 47 PF +/-25, 100V	512368	89536	512368	REF		
213	CAP, CER, 47 PF +/-2\$, 100V	512368	89536	512368	REF		
214	CAP, CER, 33 PF +/-2%, 100V	513226	89536	513226	2		
15	CAP, TA, 2.2 UF +/-20%, 35V		56289		REF		
216	CAP, CER, 33 PF +/-2%, 100V	513226	89536	513226	REF		
217	CAP, CER, 220 PF +/-5%, 100V	512111			1		
:19	CAP, CER, 47 PF +/-2\$, 100V	512368	89536	512368	REF		
20	CAP, CER, 47 PF +/-2%, 100V	512368	89536	512368	REF		
22	CAP, CER, 0.01 UF +/-20%, 100V			8121-A100-W5R-103M	2		
23	CAP, CER, 0.01 UF +/-20%, 100V			8121-A100-W5R-103M	REF		
24	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C25	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C26	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C27	CAP, CER, 0.22 UF +/-20%, 50V			CW3COC224K	6		
C28	CAP, CER, 0.22 UF +/-20%, 50V			CW3C0C224K	REF		
C29	CAP, CER, 47 PF +/-2%, 100V	512368	89536	512368	REF		
C30	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	81.21-A100-W5R-102M	REF		
231	CAP, CER, 0.01 UF +/-20%, 100V	407 36 1	72982	8121-A100-W5 R-103M	5		
233	CAP, CER, 0.001 UF +/-20%, 500V	402 9 66	72982	8121-A100-W5R-102M	REF		
234	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
35	CAP, CER, 3.9 PF +/-0.25%, 100V	512947			1		
36	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
37	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
38	CAP, CER, 0.001 UF +/-20%, 500V		72982	8121-A100-W5R-102M	REF		
39	CAP, CER, 0.22 UF +/-20%, 50V		71590	CW3COC224K	REF		
40	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW3COC224K	REF		
42	CAP, CER, 0.001 UF +/-20\$, 500V	402966	72982	8121-A100-W5R-102M	REF		
43	CAP, CER, 0.033 UF +/-20%, 50V	543074	72982	8121-050-W5R33NFM	1		
45	CAP, CER, 47 PF +/-2\$, 100V	512368		512368	REF		
46	CAP, CER, 2.7 PF +/-0.25%, 100V	363705		363705	1		
47	CAP, TA, 6.8 UF +/-20\$, 35V	363713	56289		REF		
48	CAP, TA, 6.8 UF +/-20\$, 35V	363713	56 289	196D685X0035KA1	REF		
49	CAP, TA, 2.2 UF +/-20\$, 35V	485185	56289	196225X0035KA1	REF		
50	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
51	CAP, CER, 0.001 UF +/-20\$, 500V	402966	72982		REF		
15.0	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982		REF		
52 55	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289		REF		

Table 6-22. A4A6 X2 Output Amplifier PCB Assembly (6071A) (cont)

	Table 6-22. A4A6 X2 Output Ar	1	PAEC T		T	l .	
REF		FLUKE	MF6	0.107 46	TOT	REC	1
	DESCRIPTION	STDCK	SPLY	MFG PART ND.	OTY	QTY	١
DES		NO.	CODE			<u> </u>	L
	04D M4 00 UM . / 20d 45U	423012	56289	196D226X0015KA1	2		
256	CAP, TA, 22 UF +/-20%, 15V	363713		196D685X0035KA1	REF		
C57	CAP, TA, 6.8 UF +/-20%, 35V	423012			REF		
C58	CAP, TA, 22 UF +/-20\$, 15V	193623		196D106X0015A1	1		
C59	CAP, TA, 10 UF +/-20%, 15V				REF		
C60	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289	190000380033881	MEL		
C61	CAP. CER, 0.001 UF +/-20%, 500V	402966	72982		REF		
C62	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C63	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C6 4	CAP, CER, 0.001 UF +/-20\$, 500V	402966	72982	8121-A100-W5R-102M	REF		
265	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
nc c	CAR CER 0 001 HF ./-20€ 500V	102066	72982	8121-A100-W5R-102M	REF		
C66	CAP, CER, 0.001 UF +/-20\$, 500V			8121-A100-W5R-102M	REF		
C67	CAP, CER, 0.001 UF +/-20%, 500V	1023066	72082	8121-A100-W5R-102M	REF		
C68	CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.001 UF +/-20%, 500V	102700	72082	8121-A100-W5R-102M	REF		
C6 9	CAP, CEN, U.UUT OF +/-2U%, 5UUV	402900 262712	56289	196D685X0035KA1	REF		
C70	CAP, TA, 6.8 UF +/-20%, 35V	363713		1200000000000001	and f		
C71	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289		REF		
C72	CAP, CER, 100 PF +/-2%, 100V	512848	89536		1		
C74	CAP, CER, 560 PF +/-5%, 50V	528505	89536		2		
C75	CAP, CER, 0.01 UF +/-20%, 100V	407361	72982	8121-A100-W5R-103M	REF		
C76	CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 100 PF +/-2%, 100V CAP, CER, 560 PF +/-5%, 50V CAP, CER, 0.01 UF +/-20%, 100V CAP, CER, 0.22 UF +/-20%, 50V	309849	71590	CW3COC224K	REF		
000	CAD THA & Q UP . / OOF SEU	363713		196D685X0035KA1	REF		
C77	OAD ORD A 01 NO / 20% 30V	407361			REF		
C78	CAP, CER, 0.01 UF +/-20%, 100V	#01301	89536		REF		
C79	CAP, CEN, 560 PF +/-5%, 50V	262712			REF		
C80	CAP, TA, 6.8 UF +/-20%, 35V	363713			REF		
C81	CAP, TA, 6.8 UF +/-20\(\), 35V CAP, CER, 0.01 UF +/-20\(\), 100V CAP, CER, 560 PF +/-5\(\), 50V CAP, TA, 6.8 UF +/-20\(\), 35V CAP, CER, 0.01 UF +/-20\(\), 100V	407361	•	0121-8100-838-1038	MILE		
C82	CAP. TA. 2.2 UF +/-20%. 35V	485185	56289	196225X0035KA1	REF		
C83	CAP. TA. 6.8 UF +/-20%. 35V	363713	56289	196D685X0035KA1	REF		
C84	CAP. CER. 1800 PF +/-5%. 50V	528547	89536		1		
C85	CAP. CER. 430 PF +/-54. 50V	528489	89536		1		
C86	CAP, TA, 2.2 UF +/-20\$, 35V CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 1800 PF +/-5\$, 50V CAP, CER, 430 PF +/-5\$, 50V CAP, CER, 820 PF +/, 100V	528604	89536		1		
				CW3C0C224K	REF		
C87	CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 47 PF +/-2\$, 100V	509049	71590		REF		
C88		512308	89536		2		
C89	CAP, CER, 1.5 PF 100V		89536		REF		
C90	CAP, CER, 0.01 UF +/-20%, 100V	407361	72982		REF		
C92	CAP, CER, 1.5 PF 100V	529909	89536	529909	ne r		
093	CAP, CER, 1.8 PF +/-0.25%, 100V	512897	89536	512897	1		
C94	CAP, CER, 1.8 PF +/-0.25%, 100V CAP, CER, 5.6 PF +/-0.25%, 100V CAP, CER, 47 PF +/-2%, 100V	512954	89536		1		
C95	CAP. CER. 47 PF +/-21. 100V	512368	89536		REF		
C96	CAP, CER, 47 PF +/-2%, 100V	512368	89536		REF		
C97	CAP, CER, 47 PF +/-2%, 100V		89536	· •	REF		
	•	E40060	90536	E1226 Q	REF		
C98	CAP, CER, 47 PF +/-2%, 100V		89536		ner 1		•
CR1	DIODE, LO-CAP, LO-LEAK	375907			4		
CR2	DIODE, ZENER	267807					
CR3	DIODE, ZENER	267807			REF		
CR4	DIODE, ZENER	159798	04713	1N751A	2		•
CR5	DIODE, ZENER	246611	04713	1N961B	2		•
CR6	DIODE, SCHOTTKY BARRIER	535195			5		•
	DIODE, HI-SPEED SWITCHING	203323			1		•
CR7	· · · · · · · · · · · · · · · · · · ·	375477			1		•
CR8	DIODE, 2-PELLET DIODE, ZENER	309799			1		
CR9							

CR20 DIODE, RF ATTENUATING 508077 26629 KS8379 REF	REF Des	DESCRIPTION	FLUKE Stock ND.	MFG SPLY CODE	MFG PART ND.	TOT QTY	REC QTY	
DIONE, SCHOTTKY BARRIER		<u> </u>				,1	1	
R11	CR10	DIODE, ZENER	180497	04713	1N753	1	1	
DIODE, SCHOTTKY BARRIER				28480	5082-2800	REF		
CR13						REF		
CRIA DIODE, ZENER 159798					-	REF		
DIODE, ZENER 267807 04713 189708 REF								
CRIS DIODE, ZENER CR19 DIODE, SCHOTTKY BARRIER S15195 28480 5082-2800 REF CR19 DIODE, SCHOTTKY BARRIER S15195 28480 5082-2800 REF CR20 DIODE, RF ATTERUATING S08077 26629 KS8379 16 CR20 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR22 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR22 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR23 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR24 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR25 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR26 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR27 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR28 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR28 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR29 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR30 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR31 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR30 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR31 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR33 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR34 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR35 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR35 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR35 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR36 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR37 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR38 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR39 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR30 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR31 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR32 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR33 DIODE, RF ATTERUATING S08077 26629 KS8379 REF CR30 DIODE, RF ATTERUATING S08	CITT	DIODE, BUNDA	133130	0.1.0	11 3 1			
CR16	CD16	DIADE TENER	267807	04713	189708	REF		
CR18								
DIODE, SCHOTTKY BARRIER 535195 28480 5082-2800 REF GR20 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR21 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR22 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR23 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR24 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR25 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR25 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR26 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR26 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR28 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR28 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR29 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR30 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR30 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR32 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR32 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR33 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR33 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR33 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR34 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR34 DIODE, RF ATTENUATING 508077 26629 KS8379 REF GR35 DIODE, RF ATTENUATING								
CR20 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR22 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR22 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR24 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR25 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR25 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR26 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR27 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR27 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR28 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR28 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR28 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR29 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR30 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR30 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR31 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR32 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR34 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR34 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR34 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR35 DIODE, RF ATTENUATING 508077 26629 KS8379 REF CR35 DIODE, RF ATTENUATING 508077 26629 KS8379 REF		•						
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L19 INDUCTOR, 10-TURN 463448 89536 463448 REF L20 INDUCTOR, 10-TURN 463448 89536 463448 REF		•						
L20 INDUCTOR, 10-TURN 463448 89536 463448 REF	L18		_					
150 Hipotoki 10-19/11	L19				_			
	L20							
	L21	INDUCTOR, 10-TURN	463448	89536	463448	REF		

NECOTION 10TUBN	REF Des	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CDDE	MFG PART ND.	TOT QTY	REC QTY	
L24	L22	INDUCTOR. 10-TURN	463448	89536	46 3448	REF		
ATDE, PCB PULL (NOT SHOWN) ATDE, PCB PULL (NOT SHOWN) 529974 06915 UC-2 1 RP3 FOOT, RUBBER, BLACK (NOT SHOWN) 529974 06915 UC-2 1 RP4 LUG, GROURD (NOT SHOWN) 612200 89536 612200 99 RP5 SHIELD, WFINGER CONTACT ASSEMBLY (NOT SHOWN) RP6 SHIELD, WFINGER CONTACT ASSEMBLY (NOT SHOWN) RP7 COMPONENT HOLDER ABJECT TAB, COPPER (W/RA) FOOTH HOLDER ABJECT TAB, COPPER (W/RA) FOOTH CONNECTOR RECEPTACLE SANO56 89536 544672 11 CONNECTOR RECEPTACLE SANO56 89536 544675 11 CONNECTOR RECEPTACLE SANO570 89536 59506 483156 22 TRANSISTOR, SI, NFN, MICROWAVE R83156 89536 483156 88316 REF CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE SANO58 89536 507921 ABJECT TRANSISTOR, SI, NFN CONNECTOR RECEPTACLE		•	463448	89536	463448	REF		
### LUG. GROUND (NOT SHOWN) 61220 89536 513820 7 #### LUG. GROUND (NOT SHOWN) 61220 89536 612200 9 #### SHEELD, W/FINGER CONTACT ASSEMBLY 633412 95536 633412 1 #### (NOT SHOWN) 633412 89536 633412 1 #### COMPONENT HOLDER 633412 89536 633412 1 #### COMPONENT HOLDER 422857 98159 2829-75-1 1 ### COMPONENT HOLDER 544056 59536 541672 1 ### COMPONENT HOLDER 544056 541672 1 ### COMPONENT HOLDER 544056 541672 1 ### COMPONENT HOLDER 544056 643156 89536 643156 2 ### COMPONENT HOLDER 544056 89536 544056 1 ### COMPONENT HOLDER 483156 89536 544056 1 ### COMPONENT HOLDER 483156 89536 643156 2 ### COMPONENT HOLDER 544056 89536 643156 2 ### COMPONENT HOLDER 483156 89536 643156 2 ### COMPONENT HOLDER 544056 89536 544056 1 ### COMPONENT HOLDER 544056 89536 643156 2 ### COMPONENT HOLDER 544056 89536 89536 643156 82536 2 ### COMPONENT HOLDER 544056 843156 89536 507921 ### FEFF	_	INDUCTOR, 10-TURN	463448					
##3 FOOT, RUBBER, BLACK (NOT SHOWN) 513820 89536 513820 7 ##4 LUG, GROUND (NOT SHOWN) 61220 89536 612200 9 ##5 SHIELD, WFINCHOR CONTACT ASSEMBLY 633412 11 ##6 COMPISSION (NOT SHOWN) 63249 89536 632419 11 ##7 COMPONENT HOLDER 422857 98159 2829-75-1 1 ##7 COMPONENT HOLDER 54205 89536 63249 11 ##7 COMPONENT HOLDER 422857 98159 2829-75-1 1 ##7 COMPONENT HOLDER 544056 89536 544056 12 ##7 COMPONENT HOLDER 544056 843156 89536 544056 12 ##7 COMPONENT HOLDER 544056 844056 843156 89536 544056 12 ##7 COMPONENT HOLDER 544056 844056 843156 89536 544056 12 ##7 COMPONENT HOLDER 544056 844056 843156 89536 544056 12 ##7 COMPONENT HOLDER 544056 844056 12 ##7 COMPONENT HOLDER 544056 844056 844056 844056 844056 844056 844056 84406		AIDE, PCB PULL (NOT SHOWN)	541730			3		
No. Composition Composit		CABLE ANCHOR (NOT SHOWN)	529974	06915	UC-2	1		
### SHIELD, W/FINGER CONTACT ASSEMBLY (633412 89536 633412 1 1 (NOT SHOWN) #### COMPONENT HOLDER 422857 98159 2829-75-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MP3	FOOT, RUBBER, BLACK (NOT SHOWN)	513820			7		
(NOT SHOWN) 6 SHELD, X2-2 (NOT SHOWN) 6 32349 89536 632349 1 TRANSISTOR, CI, NPN, MICROWAVE 1 TRANSISTOR, SI, NPN, MICROWAVE 1	1P4	LUG, GROUND (NOT SHOWN)	612200	89536	612200			
##F6 SHIELD, X2-2 (NOT SHOWN) 632349 89536 632349 1 ##F7 COMPONENT HOLDER 422857 98159 2829-75-1 1 ##F8 TAB, COPPER (W/R4A) 544672 89536 544676 1 ##F8 TAB, COPPER (W/R4A) 544676 89536 544676 1 ##F8 TAB, COPPER (W/R4A) 64713 283966 1 ##F8 TAB, SITOR, SI, PNP 195974 04713 283906 1 ##F8 TAB, SITOR, SI, PNP 18396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 218396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 218396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 218396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 218396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 218396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 218396 04713 283904 3 ##F8 TAB, SITOR, SI, NPN 473207 01295 189536 507921 8EF	MP5	SHIELD, W/FINGER CONTACT ASSEMBLY (NOT SHOWN)	633412	89536	633412	1		
TRANSISTOR, SI, PNP TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, SI, NPN TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FI	MP6		632349	89536	632349	1		
TRANSISTOR, SI, PNP TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, SI, NPN TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FI		COMPONENT HOLDER	422857	98159	2829-75-1	1		
TRANSISTOR, SI, PNP TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, SI, NPN TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FI	4P8	TAB, COPPER (W/R44)	541672	89536	541672			
TRANSISTOR, SI, PNP TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, SI, NPN TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FI		CONNECTOR RECEPTACLE	544056	89536	544056	. 1		
TRANSISTOR, SI, PNP TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, SI, NPN TRANSISTOR, D-MOS, FIELD EFFECT TRANSISTOR, D-MOS, FI		TRANSISTOR, SI, NPN, MICROWAVE	483156	89536	483156			1
TRANSISTOR, SI, NPN 218396 04713 2N3904 REF REF REF REF REF REF REF REF	Q 2	TRANSISTOR, SI, WIN, MICHORAVE	40,130	0,550	105150	HEF		
TRANSISTOR, SI, NPN 218396 04713 2N3904 REF REF REF REF REF REF REF REF	23	TRANSISTOR, SI, PNP	195974	04713	2N3906	1		1
TRANSISTOR, SI, NPN 218396 04713 2N3904 REF REF REF REF REF REF REF REF		TRANSISTOR, D-MOS, FIELD EFFECT	507921	89536	507921	4		1
TRANSISTOR, SI, NPN 218396 04713 2N3904 REF REF REF REF REF REF REF REF		TRANSISTOR, D-MOS, FIELD EFFECT	507921	89536	507921	REF		_
RES. COMP. A7 A7 A7 A8 A8								1
TRANSISTOR, D-MOS, FIELD EFFECT 507921 89536 507921 REF 2110 TRANSISTOR, D-MOS, FIELD EFFECT 507921 89536 507921 REF 212 TRANSISTOR, SI, PNP 473207 01295 TIP30 1 REF 212 TRANSISTOR, SI, PNP 473207 01295 TIP30 1 REF 212 RES, COMP, 18 +/-5%, 1/2W 186007 01121 EB1805 8 RES, COMP, 18 +/-5%, 1/2W 186007 01121 EB1805 REF 213 RES, COMP, 18 +/-5%, 1/2W 186007 01121 EB1805 REF 214 RES, COMP, 18 +/-5%, 1/2W 186007 01121 EB1805 REF 215 RES, COMP, 18 +/-5%, 1/4W 186007 01121 BB1805 REF 215 RES, DEP. CAR, 8.2 +/-5%, 1/4W 44269 80031 CR251-4-5P8R2 1 RES, DEP. CAR, 150 +/-5%, 1/4W 343442 80031 CR251-4-5P8R2 1 RES, COMP, 470 +/-5%, 1/4W 343442 80031 CR251-4-5P150E 1 REF 215 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 2 REF 216 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 2 REF 216 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 REF 216 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 REF 216 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB2005 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB205 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB205 1 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 217 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 218 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 218 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 218 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 218 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 218 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 219 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 219 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF 219 RES, COMP, 470 +/-5%, 1/4W 348689 80031 CR251-4-5P200E 1 RES, COMP, 470 +/-5%, 1/4W 348689 80031 CR251-4-5P200E 1 RES, DEP. CAR, 200 +/-5%, 1/4W 348789 80031 CR251-4-5P200E 1 RES, DEP. CAR, 200 +/-5%, 1/4W 348348 80031 CR251-4-5P200E 1 RES, DEP. CAR, 200 +/-5%, 1/4W 348348 80031 CR251-4-5P200E 1 RES, DEP. CAR, 200 +/-5%, 1/4W 348348	27	TRANSISTOR, SI, NPN	218396	04713	2N3904	REF		
RES, COMP, 18 +/-5\(\), 1/2\(\) 186007 01121 EB1805 8 RES, COMP, 18 +/-5\(\), 1/2\(\) 186007 01121 EB1805 REF RES, COMP, 18 +/-5\(\), 1/2\(\) 186007 01121 EB1805 REF RES, COMP, 18 +/-5\(\), 1/2\(\) 186007 01121 EB1805 REF RES, COMP, 18 +/-5\(\), 1/2\(\) 186007 01121 EB1805 REF RES, COMP, 470 +/-5\(\), 1/4\(\) 186007 01121 EB1805 REF RES, COMP, 470 +/-5\(\), 1/4\(\) 343442 80031 CR251-4-5P8R2 1 RES, COMP, 20 +/-5\(\), 1/4\(\) 343442 80031 CR251-4-5P150E 1 RES, COMP, 20 +/-5\(\), 1/8\(\) 574665 01121 BB2005 REF RES, COMP, 20 +/-5\(\), 1/8\(\) 574665 01121 BB2005 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB2005 REF RES, COMP, 51 +/-5\(\), 1/8\(\) 266262 01121 BB2015 1 RES, COMP, 51 +/-5\(\), 1/8\(\) 266262 01121 BB25105 1 RES, COMP, 470 +/-5\(\), 1/8\(\) 348839 80031 CR251-4-5P10K 3 RES, COMP, 470 +/-5\(\), 1/8\(\) 348839 80031 CR251-4-5P39K 1 RES, COMP, 470 +/-5\(\), 1/8\(\) 348839 80031 CR251-4-5P39K 1 RES, COMP, 470 +/-5\(\), 1/8\(\) 342400 80031 CR251-4-5P39K 1 RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/8\(\) 512780 01121 BB4715 REF RES, COMP, 470 +/-5\(\), 1/4\(\) 342626 80031 CR251-4-5P200E 1 RES, DEP, CAR, 220 +/-5\(\), 1/4\(\) 343434 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\(\), 1/4\(\) 343434 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\(\), 1/4\(\) 343434 80031 CR251-4-5P270E 1 RES, DEP, CAR, 270 +/-5\(\), 1/4\(\) 343434 80031 CR251-4-5P270E 1	28	TRANSISTOR, SI, NPN	218396			REF		
RES, COMP, 18 +/-5\$, 1/2W 186007 01121 EB1805 8 RES, COMP, 18 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 18 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5\$, 1/2W 186007 01121 BB4715 8 RES, DEP, CAR, 8.2 +/-5\$, 1/4W 42269 80031 CR251-4-5P8R2 1 RES, DEP, CAR, 150 +/-5\$, 1/4W 512661 01121 BB4705 1 RES, COMP, 470 +/-5\$, 1/8W 574665 01121 BB2005 REF RES, COMP, 20 +/-5\$, 1/8W 574665 01121 BB2005 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 51 +/-5\$, 1/8W 266262 01121 BB5105 1 RES, COMP, 51 +/-5\$, 1/8W 348839 80031 CR251-4-5P10K 3 RES, DEP, CAR, 39K +/-5\$, 1/4W 348839 80031 CR251-4-5P39K 1 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/4W 32661826 80031 CR251-4-5P200E 1 RES, DEP, CAR, 220 +/-5\$, 1/4W 348689 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 RES, DEP, CAR, 470 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-	1000	TRANSISTOR, D-MOS, FIELD EFFECT	507921					
RES, COMP, 18 +/-5\$, 1/2W 186007 01121 EB1805 8 RES, COMP, 18 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 18 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5\$, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5\$, 1/2W 186007 01121 BB4715 8 RES, DEP, CAR, 8.2 +/-5\$, 1/4W 42269 80031 CR251-4-5P8R2 1 RES, DEP, CAR, 150 +/-5\$, 1/4W 512661 01121 BB4705 1 RES, COMP, 470 +/-5\$, 1/8W 574665 01121 BB2005 REF RES, COMP, 20 +/-5\$, 1/8W 574665 01121 BB2005 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 51 +/-5\$, 1/8W 266262 01121 BB5105 1 RES, COMP, 51 +/-5\$, 1/8W 348839 80031 CR251-4-5P10K 3 RES, DEP, CAR, 39K +/-5\$, 1/4W 348839 80031 CR251-4-5P39K 1 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/4W 32661826 80031 CR251-4-5P200E 1 RES, DEP, CAR, 220 +/-5\$, 1/4W 348689 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P200E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 RES, DEP, CAR, 470 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 RES, DEP, CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-		TRANSISTOR, D-MOS, FIELD EFFECT	507921					1
RES, COMP, 18 +/-5%, 1/2W 186007 01121 EB1805 REF RES, COMP, 18 +/-5%, 1/2W 186007 01121 EB1805 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 8 RES, COMP, 470 +/-5%, 1/4W 442269 80031 CR251-4-5P8R2 1 RES, COMP, 47 +/-5%, 1/8W 512061 01121 BB4705 1 RES, COMP, 47 +/-5%, 1/8W 574665 01121 BB2005 2 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 2 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 2 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 1 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 51 +/-5%, 1/8W 266262 01121 BB5105 1 RES, COMP, 51 +/-5%, 1/8W 348839 80031 CR251-4-5P10K 3 RES, COMP, 470 +/-5%, 1/4W 442400 80031 CR251-4-5P10K 3 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5%, 1/8W 325613 89536 325613 1 RES, COMP, 470 +/-5%, 1/4W 346869 80031 CR251-4-5P200E 1 RES, DEP. CAR, 220 +/-5%, 1/4W 346869 80031 CR251-4-5P200E 1 RES, DEP. CAR, 270 +/-5%, 1/4W 348348 80031 CR251-4-5P200E 1 RES, DEP. CAR, 470 +/-5%, 1/4W 348348 80031 CR251-4-5P200E 1 RES, DEP. CAR, 470 +/-5%, 1/4W 348348 80031 CR251-4-5P200E 1 RES, DEP. CAR, 470 +/-5%, 1/4W 348348 80031 CR251-4-5P200E 3		INMISTSION, SI, INI	417501			8		ı
RES, DEP. CAR, 150 +/-5%, 1/4W RES, COMP, 47 +/-5%, 1/8W RES, COMP, 20 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 51 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/4W RES, COM		•				DEE		
RES, DEP. CAR, 150 +/-5%, 1/4W RES, COMP, 47 +/-5%, 1/8W RES, COMP, 20 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 51 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/4W RES, CO		RES, COMP, 18 +/-5%, 1/2W	186007					
RES, DEP. CAR, 150 +/-5%, 1/4W RES, COMP, 47 +/-5%, 1/8W RES, COMP, 20 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 51 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/4W RES, CO		RES, COMP, 18 +/-5%, 1/2W	186007	01121	EB1005	net Q		
RES, DEP. CAR, 150 +/-5%, 1/4W RES, COMP, 47 +/-5%, 1/8W RES, COMP, 20 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 51 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/4W RES, COMP, 470 +/-5%, 1/8W RES, COMP, 470 +/-5%, 1/4W RES, CO		RES, COMP, 470 +/-5%, 1/8W	512760	90024	004(1) 00251 N ED0D2	1		
R7 RES, COMP, 47 +/-5%, 1/8W 512061 01121 BB4705 1 R8 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 2 R9 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 REF R10 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB2005 REF R11 RES, COMP, 51 +/-5%, 1/8W 266262 01121 BB5105 1 R12 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 3 R13 RES, DEP. CAR, 39K +/-5%, 1/4W 442400 80031 CR251-4-5P39K 1 R14 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R15 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R21 RES, COMP, 470 +/-5%, 1/4W 325613 89536 325613 1 R22 RES, COMP, 100 +/-10%, 1/2W 325613 89536 325613 1 R23 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R23 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P200E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 3	_	RES, DEP. CAR, 8.2 +/-5%, 1/4W	343442		CR251-4-5P150E	i		
R8 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 22 R9 RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 REF R10 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R11 RES, COMP, 51 +/-5%, 1/8W 266262 01121 BB5105 1 R12 RES, DEP. CAR, 10K +/-5%, 1/4W 34839 80031 CR251-4-5P10K 3 R13 RES, DEP. CAR, 39K +/-5%, 1/4W 442400 80031 CR251-4-5P39K 1 R14 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R15 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R21 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R22 RES, COMP, 470 +/-5%, 1/4W 325613 89536 325613 1 R23 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 348789 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 470 +/-5%, 1/4W 34834 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 34834 80031 CR251-4-5P270E 3	no	ned, ber, only 150 47 -56; 17 4"						
RES, COMP, 20 +/-5%, 1/8W 574665 01121 BB2005 REF R10 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R11 RES, DEP. CAR, 10K +/-5%, 1/4W 34839 80031 CR251-4-5P10K 3 R12 RES, DEP. CAR, 39K +/-5%, 1/4W 442400 80031 CR251-4-5P39K 1 R13 RES, DEP. CAR, 39K +/-5%, 1/4W 512780 01121 BB4715 REF R15 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R21 RES, COMP, 470 +/-5%, 1/4W 325613 89536 325613 1 R22 RES, COMP, 100 +/-10%, 1/2W 325613 89536 325613 1 RR22 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R24 RES, DEP. CAR, 470 +/-5%, 1/4W 34834 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 34834 80031 CR251-4-5P270E 3					_	1		
R10 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R11 RES, COMP, 51 +/-5%, 1/8W 266262 01121 BB5105 1 R12 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 3 R13 RES, DEP. CAR, 39K +/-5%, 1/4W 442400 80031 CR251-4-5P39K 1 R14 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R15 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 325613 89536 325613 1 R21 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 34834 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P270E 3								
R11 RES, COMP, 51 +/-5%, 1/8W R12 RES, DEP. CAR, 10K +/-5%, 1/4W R13 RES, DEP. CAR, 39K +/-5%, 1/4W R14 RES, COMP, 470 +/-5%, 1/4W R15 RES, COMP, 470 +/-5%, 1/8W R15 RES, COMP, 470 +/-5%, 1/8W R16 RES, COMP, 470 +/-5%, 1/8W R17 RES, COMP, 470 +/-5%, 1/8W R18 RES, COMP, 470 +/-5%, 1/8W R19 RES, COMP, 470 +/-5%, 1/4W R19 RES, COMP, 470 +/-5%, 1/4W R19 RES, COMP, 470 +/-5%, 1/4W R19 RES, COMP, 100 +/-10%, 1/8W R19 RES, DEP. CAR, 200 +/-5%, 1/4W R19 RES, DEP. CAR, 200 +/-5%, 1/4W R19 RES, DEP. CAR, 270 +/-5%, 1/4W R19 RES, DEP. CAR, 470 +/-5%, 1/4W R10 RES RES RES, DEP. CAR, 470 +/-5%, 1/4W R10 RES					_			
R12 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 3 R13 RES, DEP. CAR, 39K +/-5%, 1/4W 442400 80031 CR251-4-5P39K 1 R14 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R15 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R21 RES, DEP. CAR, 220 +/-5%, 1/4W 325613 89536 325613 1 R22 RES, OMP, 100 +/-10%, 1/8W 261826 80031 CR251-4-5P220E 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 3					•			
R15 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R21 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 1 R22 RES, DEP. CAR, 220 +/-5\$, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10\$, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5\$, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5\$, 1/4W 34344 80031 CR251-4-5P270E 3	R1 1	RES, COMP, 51 +/-5%, 1/6W	200202	01121	501 698	ı		
R15 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R16 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R20 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF R21 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 1 R22 RES, DEP. CAR, 220 +/-5\$, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10\$, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5\$, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5\$, 1/4W 34344 80031 CR251-4-5P270E 3	R12	RES, DEP. CAR, 10K +/-5%, 1/4W	348839					
R15 RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 512780 01121 BB4715 REF RES, COMP, 470 +/-5\$, 1/8W 325613 89536 325613 1 RES, DEP. CAR, 220 +/-5\$, 1/4W 342626 80031 CR251-4-5P220E 1 RES, COMP, 100 +/-10\$, 1/8W 261826 01121 BB1011 1 RR23 RES, DEP. CAR, 200 +/-5\$, 1/4W 441451 80031 CR251-4-5P200E 1 RR24 RES, DEP. CAR, 270 +/-5\$, 1/4W 348789 80031 CR251-4-5P270E 1 RR25 RES, DEP. CAR, 470 +/-5\$, 1/4W 34834 80031 CR251-4-5P470E 3	R13	RES, DEP. CAR, 39K +/-5%, 1/4W	442400	80031				
R16 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R17 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 1 R21 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 34344 80031 CR251-4-5P270E 3			512780	01121				
R17 RES, COMP, 470 +/-5%, 1/6W 512780 01121 BB4715 REF R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 1 R21 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 3		RES, COMP, 470 +/-5%, 1/8W			-			
R18 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R19 RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 1 R21 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 34344 80031 CR251-4-5P470E 3	R16	RES, COMP, 470 +/-5%, 1/8W	512780	U1121	¤ <i>9</i> 4γ 15	ner		
RES, COMP, 470 +/-5%, 1/8W 512780 01121 BB4715 REF R20 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 1 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 34344 80031 CR251-4-5P470E 3	R17		_			REF		
R20 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 1 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P470E 3			_					
R21 RES, DEP. CAR, 220 +/-5%, 1/4W 342626 80031 CR251-4-5P220E 1 R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P470E 3								
R22 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 1 R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P470E 3		· · · · · · · · · · · · · · · · · · ·						
R23 RES, DEP. CAR, 200 +/-5%, 1/4W 441451 80031 CR251-4-5P200E 1 R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P470E 3	K21	MES, DEP. CAR, 220 +/-5%, 1/4W	342020	00031	UN231-4-3122VE	ŗ		
R24 RES, DEP. CAR, 270 +/-5%, 1/4W 348789 80031 CR251-4-5P270E 1 R25 RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P470E 3				_		1		1
RES, DEP. CAR, 470 +/-5%, 1/4W 343434 80031 CR251-4-5P470E 3	7	•		.				1
						3 1		
R26 RES, DEP. CAR, 510 +/-5\$, 1/4W 441600 80031 CR251-4-5P510E 1	R26	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	00031	しれとフィーサーラぞう 10だ			

Table 6-22. A4A6 X2 Output Amplifier PCB Assembly (6071A) (cont)

REF OES	DESCRIPTION	FLUKE Stock ND.	MFG SPLY CODE	MFG PART NO.	TOT QTY	
R27	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	80031	CR251-4-5P51E	2	
R28	RES, MTL. FILM, 3.01K +/-1%, 1/8W	312645	91637		2	
R29	RES, VAR, 25K +/-10%, 1/2W	500769	32997	3299W-W-253	3	
R30	RES, COMP, 18 +/-5%, 1/2W	186007	01121	EB1805	REF	
R31	RES, COMP, 13 +/-5%, 1/2W	519322	01121	EB1305	1	
F20	PPR COMP 40 / F# 4/OU	196007	01101	PD4 90E	DEE	
F32	RES, COMP, 18 +/-5%, 1/2W	186007	01121	EB1805	REF	
R33	RES, COMP, 18 +/-5%, 1/2W	186007	01121	EB1805	REF	
R34	RES, COMP, 18 +/-5%, 1/2W	186 007	01121	EB1805	REF	
R35	RES, VAR, 5K +/-10%, 1/2W	327569	11236	360T502A	1	
R36	RES, MTL. FILM, 3.01K +/-1%, 1/8W	312645	91637	CMF553011F	REF	
R37	RES, VAR, 25K +/-10%, 1/2W	500769	32997	3299W-W-253	REF	
R38	RES, COMP, 18 +/-5%, 1/2W	186007	01121		REF	
R39	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	80031	CR251-4-5P51E	REF	
R40	RES, MTL. FILM, 1K +/-1\$, 1/8W	168229	91637		2	
R4 1	RES, DEP. CAR, 470 +/-5%, 1/4W	343434	80031	CR251-4-5P470E	REF	
R42	RES, COMP, 33 +/-5%, 1W	163063	01121	GB3305	1	
R43	RES, MTL, FILM, 56.9 +/-0.5%, 1/8W	461590	89536	46 15 90	2	
R44	RES, MTL. FILM, 402 +/-0.5%, 1/8W		89536	46 16 32	1	
R45	RES, MTL. FILM, 56.9 +/-0.5%, 1/8W	461590	89536	46 1590	REF	
R46	RES, DEP. CAR. 470 +/-5%. 1/4W	343434	80031	CR251-4-5P470E	REF	
	,, .,		_			
R47	RES, DEP. CAR, 20K +/-5%, 1/4W	441477	80031	CR251-4-5P20K	2	
R48	RES, COMP, 10 +/-10%, 1/8W	321125	01121	BB1001	1	
R49	RES, DEP. CAR, 100K +/-5%, 1/4W	348920	80031	CR251-4-5P100K	4	
R50	RES, DEP. CAR, 100K +/-5%, 1/4W	348920	80031	CR251-4-5P100K	REF	
R51	RES, DEP. CAR, 13K +/-5%, 1/4W	441402	80031	CR251-4-5P13K	1	
R52	RES, MTL. FILM, 33.2K +/-1%, 1/8W	291393	91637	CMF553322F	1	
R53	RES, VAR, 25K +/-10%, 1/2W	500769	32997	3299W-W-253	REF	
R54	RES, COMP, 130 +/-5%, 1/2W	519314	01121		1	
R55	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031		REF	
R56	RES, DEP. CAR, 1.3K +/-5%, 1/4W	441394	80031	CR251-4-5P1K3	1	
ber	DEG DEE GAD 40V . / Ed 4 / kU	2110020	90021	CDOST & EDION	DEE	
R57	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	REF	
R58	RES, DEP. CAR, 2K +/-5%, 1/4W	441469	80031		1	
R59	RES, DEP. CAR, 22K +/-5%, 1/4W	348870	80031	_	1	
R60	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	2	
R6 1	RES, MTL. FILM, 13.0K +/-11, 1/8W	335539	91637	CMF551302	1	
R6 2	RES, MTL. FILM, 2.94K +/-1%, 1/8W	26 16 28	91637	CMF552941F	1	
R63	RES, MTL. FILM, 3.83K +/-1%, 1/8W	235143	91637	CMF553831F	1	
H6 4	RES, MTL. FILM, 6.34K +/-1%, 1/8W	267344	916 37	CMF556341F	2	
R6 5	RES, MTL. FILM, 6.34K +/-1%, 1/6W	267344	91637	CMF556341F	REF	
R66	RES, MTL. FILM, 22.6K +/-1%, 1/8W	288431	91637	CMF552262F	1	
R 67	RES, COMP, 2.4K +/-5%, 1/2W	108902	01121	EB2425	1	
R68	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	3	
R69	RES, MTL. FILM, 20K +/-1%, 1/8W	291872	91637	CMF552002F	1	
ло 9 Н7 0	RES, MTL. FILM, 2.21K +/-1%, 1/8W	347476	91637	CMF552211F	i	
R7 1	RES, MTL. FILM, 1.78K +/-1%, 1/8W	344366	91637	CMF551781F	i	
••• 1	news transfer to the transfer to	5550	5.051			
k72	RES, DEP. CAR, 100K +/-5%, 1/4W	348920	80031	CR251-4-5P100K	REF	
R7 3	RES, MTL. FILM, 210 +/-1%, 1/8W	327999	91637	CMF552100F	1	
R7 4	RES, DEP. CAR, 20K +/-5%, 1/4W	441477	80031	CR251-4-5P20K	REF	
R75	RES, VAR, 100K +/-10%, 1/2W	36 95 20	11236	360T-104A	REF	
R76	RES. MTL. FILM, 1K +/-1%, 1/8W	168229	91637	CMF551001F	REF	

REF DES	DESCRIPTION	FLUKE STDCK No.	MFG SPLY CODE	MFG PART ND.		REC QTY	
R77	RES. DEP. CAR, 100K +/-5%, 1/4W	348920	80031	CR251-4-5P100K	REF		
78	RES, MTL. FILM, 1.96K +/-1%, 1/8W	288423	91637	CMF551961F	1		
R80	RES, DEP, CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
81	RES, DEP. CAR, 130 +/-5%, 1/4W	442301	80031	CR251-4-5P130E	1		
82	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
83	RES, DEP. CAR, 82K +/-5%, 1/4W	348912			1		
84	RES, MTL. FILM, 100 +/-1%, 1/8W	168195	91637				
86	RES, DEP. CAR, 3.9K +/-5%, 1/4W	342600	80031		2		
87	RES, DEP. CAR, 68K +/-5%, 1/4W	376632		CR251-4-5P68K	1		
88	RES, DEP. CAR, 3.9K +/-5%, 1/4W	342600	80031	CR251-4-5P3K9	REF		
89	RES, VAR, 20 +/-20\$, 1/2W	275727			1		
90	RES, COMP, 510 +/-5%, 1/2W	157578			i		
191	RES, VAR, 1K +/-30%, 1/2W	193060	19701 01121		i		
192	RES, COMP, 300 +/-5%, 1/6W	512772			i		
93	RES, COMP, 150, +/-5\$, 1/8W	153924	01121				
194	RES, MTL. FILM, 7.68K +/-1%, 1/8W	370999	91637		1		
1 .	TRANSFORMER	546416		546416	1		
P1	CONNECTOR, TEST POINT		,00779	62395-1	8		
TP2	CONNECTOR, TEST POINT	512889		62395-1	REF		
P3	CONNECTOR, TEST POINT	512889	00779	62395-1	REF		
P4	CONNECTOR, TEST POINT	512889		62395-1	REF		
P5	CONNECTOR, TEST POINT			62395-1	REF		
:P6	CONNECTOR, TEST POINT			62395-1	REF		
rp7	CONNECTOR, TEST POINT			62395-1	REF		
rp8	CONNECTOR, TEST POINT	512889	00779	62395-1	REF		
J1	IC, HYBRID POWER AMP	492751	89536	492751	2	1	
J2	IC, HYBRID POWER AMP	492751	89536	492751	REF		
13	IC, HYBRID UHF AMP	492744	89536		3	1	
J5	IC, LINEAR, OP-AMP	495051	18324		3	1	
16	IC, HYBRID UHF AMP	492744	89536	1192744	REF		
17	IC, HYBRID UHF AMP	492744	89536	492744	REF	_	
19	IC, HYBRID VHF AMP	490011	89536	490011	. 1	1	
J10	IC, TTL, LO-PWR, 3-8 LINE DECODER	407585	01295		1	1	
111	IC, LINEAR, OP-AMP, J-FET INPUT	454454	89536	454454	4	1	
112	IC, LINEAR, OP-AMP, J-FET INPUT	454454	89536	454454	REF		
113	IC, LINEAR, OP-AMP, J-FET INPUT	454454	89536		REF		
14	IC, LINEAR, OP-AMP, J-FET INPUT	454454	89536		REF		
115	IC, LINEAR, OP-AMP	429951	12040		1	1	
116	IC, LINEAR, OP-AMP	495051	18324		REF		
117	IC, LINEAR, OP-AMP	495051	18324	NE5534N	REF		
118	IC, LINEAR TIMER			NE555N	1	1	
119	IC, TTL, HEX INVERTER		01295		1	1	
120@	IC, HYBRID LEVEL DETECTOR			492777	1	1	
21	SUBTESTED PCB ASSEMBLY		89536		1	1	
22	SUBTESTED PCB ASSEMBLY	546440	89536	546440	1	'	
23	SUBTESTED PCB ASSEMBLY		89536		1	1	
124	SUBTESTED PCB ASSEMBLY			546424	1	1	
149	CABLE ASSEMBLY	545806	89536	545806	1		
i57	CABLE ASSEMBLY			535609	1		
J1	SOCKET, IC, 14-PIN	370304	12040	MM74C906M	2		

Table 6-22. A4A6 X2 Output Amplifier PCB Assembly (6071A) (cont)

REF DES	DESCRIPTION	FLUKE STOCK ND.	MFG SPLY CDDE	MFG PART ND.	TOT QTY	REC QTY	O T E
XU5	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	9		
XU10	SOCKET, IC, 16-PIN	370312	91506	316-AG39D	1		
XU11	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
XU12	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
XU13	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
XU14	SOCKET, IC, 8-PIN	47 80 16	91506	308-AG39D	REF		
XU15	SOCKET, IC, 8-PIN	408450	89536	408450	1		
XU16	SOCKET, IC, 8-PIN	476016	91506	308-AG39D	REF		
XU17	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
XU18	SOCKET, IC. 8-PIN	478016	91506	308-AG39D	REF		

- 1 BEFORE ORDERING SPARE PARTS OR SPARE PCB ASSEMBLIES, PLEASE CONTACT YOUR NEAREST JOHN FLUKE SERVICE CENTER
- 2 IF THESE COMPONENTS FAIL THE USER IS URGED TO RETURN THE GENERATOR TO THE NEAREST JOHN FLUKE SERVICE CENTER.

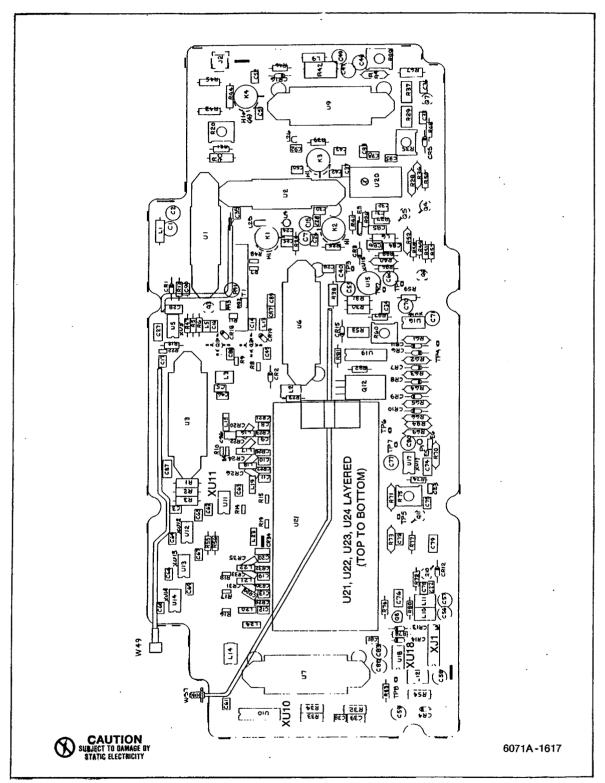


Figure 6-22. A4A6 X2 Output Amplifier PCB Assembly (6071A)

Table 6-23. A4A7 Output Amplifier PCB Assembly (6070A)

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CDDE	MFG PART NO.	TOT QTY	REC QTY
A4A7 ⊘	OUTPUT AMPLIFIER PCE ASSEMBLY FIGURE 6-23 (6070A-4006T) (USED ON 6070A ONLY)	463505	89536	46 3505	REF	
C1	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289	196D685X0035KA1	13	
C2	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289	196D685X0035KA1	REF	
C3	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289		REF	
C4	CAP, TA, 6.8 UF +/-20%, 35V	363713			REF	
C5	CAP, TA, 6.8 UF +/-20%, 35V	363713			REF	
C6	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	7	
C7	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF	
C8	CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 0.001 UF +/-20\$, 500V CAP, TA, 6.8 UF +/-20\$, 35V	402966	72982		REF	
C9	CAP, TA, 6.8 UF +/-20%, 35V		56289		REF	
C10	CAP, TA, 6.8 UF +/-20%, 35V	363713		196D685X0035KA1	REF	
C11	CAP, CER, 430 PF +/-5%, 50V	528489	89536	528489	1	
C12	CAP, CER, 1800 PF +/-5%, 50V	508589	80526	E28E317	1	
C12	CAP, CER, 3.9 PF +/25%, 100V	528547 512947	89536	528547 512947	2	
C14	CAP, CER, 27 PF +/-2%, 100V	362749			1	
C15	CAP, CER, 820 PF, 100V	528604			i	
C16	CAP, TA, 6.8 UF +/-20#, 35V	363713	56289		REF	
	G1D M1 C 0 MD (and and					
C17 C18	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289		REF	
C19	CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 0.001 UF +/-20\$, 500V			196D685X0035KA1	REF	
C20	CAP, CER, 0.001 UF +/-20%, 500V			8121-A100-W5R-102M 8121-A100-W5R-102M	REF REF	
021	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF	
C22	CAP, CER, 0.001 UF +/-20%, 500V	1100066	70000	0404 1400 150 4001	222	
C23	CAR CER SEA DE . / EN COU	· -	72982	=	REF	
C24	CAP, CER, 0.01 UF +/-20%, 100V	528505 207361		528505 8121-A100-W5R-103M	2 4	
C25	CAP, CER, 560 PF +/-5\$, 50V	528505			REF	
C26	CAP, TA, 6.8 UF +/-20%, 35V	363713		196D685X0035KA1	REF	
C27	CAP, TA, 6.8 UF +/-20\$, 35V1;	363713	56289	196D685X0035KA1	REF	
28	CAP, TA, 10 UF +/-20%, 15V	193623		196D106X0015A1	REF	
229	CAP, CER, 100 PF +/-2%, 100V	512848	89536		1	
31	CAP, MYLAR, 0.22 UF +/-10%, 100V	436113			i	
32	CAP, TA, 6.8 UF +/-20%, 35V	363713		196D685X0035KA1	REF	
33	CAP, CER, 0.01 UF +/-20%, 100V	407361	72982	8121-A100-W5R-103M	REF	
34	CAP, TA, 10 UF +/-20%, 15V	193623		196D106X0015A1	2	
35	CAP, TA, 10 UF +/-20%, 15V CAP, CER, 0.01 UF +/-20%, 100V	407361		8121-A100-W5R-103M	REF	
36	CAP, TA, 2.2 UF +/-20%, 35V	485185	56289	196225X0035KA1	3	
37	CAP, TA, 2.2 UF +/-20%, 35V	485185	56289	196225X0035KA1	ref	
38	CAP, CER, 2.2 PF +/-0.25PF, 100V	362731	89536	362731	1	
39	CAP, CER, 3.9 PF +/25%, 100V	512947	89536	512947	REF	
40	CAP, CER, 0.033 UF +/-20%, 50V	543074	72982		1	
42	CAP, TA, 2.2 UF +/-20%, 35V	485185	56289		REF	
43	CAP, CER, 0.01 UF +/-20%, 100V	407361	72982	8121-A100-W5R-103M	REF	
49	CAP, CER, 5.6 PF +/25%, 100V	512954	89536	89536	1	
53	CAP, CER, 47 PF +/-2%, 100V	512368	89536	512368	1	
:R1	DIODE, SCHOTTKY BARRIER	535195	28480	5082-2800	3	1
R2	DIODE, SI, HI-SPEED SWITCHING	203323	07910	1N4448	1	1
:R3	DIODE, 2 PELLET	3 7 547 7	09214	MPD-200	1	1

Table 6-23. A4A7 Output Amplifier PCB Assembly (6070A) (cont)

MP3 COMPONENT HOLDER 422857 98159 2829-75-1 1 MP4 FOOT, RUBBER, BLACK (NOT SHOWN) 513820 89536 513820 4	REF DES	DESCRIPTION	FLUKE STDCK No.	MFG SPLY Code	MFG PART ND.	TDT QTY	REC QTY	
100 100			300700	በມ713	1N746	1	1	
DIODE						1	- 1	
RR DIODE, SCHOTTKY BARRIER 20.0 W +/-5\$ 267807 0W 13 189708 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-					REF		
RR DIODE, ZENER, 24.0V +/-55 267807 0 04713 189708 2 1	R6							
RRIO DIODE, ZENER, 24.0V +/-55 246611 04713 18961B 2 1 1871 1771 1871 1	R8		535195	20400	2002-2000		1	
Carrier Dione Zener 24.0 v 4-5 267807 04713 119708 REF 27813 Dione Zener 24.0 v 4-5 15978 04713 119718 2 2 2 2 2 2 2 2 2	R9	DIODE, ZENER, 24.0V +/-5%	267807	04713	1 1 1 9 7 0 8	2	•	
DIODE, ZENER, 24.0V 4/-55 267807 04713 1M7908 are properties of the properties	191C	DIODE 75NFR 10 0 +/-5\$	246611	04713	1N961B	2	1	
DIODE, ZENER, 5.1V +/-5\$ 159798 04713 1N751A 2			267807		1N9708	REF		
DIODE, ZENER, 10.0 4/-55 246611 04713 18961B REF						2		
CRIA DLOUP, ZENER, S.IV +/-55 159798 04713 1N751A REF						REF		
DIODE, Zener, 5.17 4/-5% DIODE, 2.18 300 31 CR251-4-55512 DIODE, 5.17 4/-5% DIOME, 5.17 4/-5% DIODE, 5.17 4/-5	CR14							
CONNECTOR, POST CONNECTOR, TOO UH, +/-10%, 120 MA 249102 24759 MR-100 CONNECTOR, CONNECTOR, 100 UH, +/-10%, 120 MA 249102 24759 MR-100 CONNECTOR, 100 UH, +/-10% CONNECTOR, 100 UH, +/-10% CONNECTOR, 100 UH, +/-10% CONNECTOR, CONNECTOR, POST CONNECTOR, CONNE	CR15	DIODE, ZENER, 5.1V +/-5%	159790	04713	iniaiv			
ES CONNECTOR, POST 267500 00779 86144-2 REF HI MASHER, CRESCENT SPRING (W/K1, K2) 544239 87536 544239 1 J2 CONNECTOR, RF, SMA 512087 16733 705147-001 1 KI RELAY, ARMATURE 528638 11532 712-26 2 1 KI NDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 3 L2 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 3 L2 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 3 L4 CHOKE, 6-TURN 320911 89536 320911 3 L4 CHOKE, 6-TURN 320911 89536 320911 REF L5 CHOKE, 6-TURN 320911 89536 320911 REF L6 INDUCTOR, 1500 UH +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L8 CHOKE, 6-TURN 548730 548730 4 L9 CHOKE, 6-TURN 548730 548730 4 L9 CHOKE, 6-TURN 548730 548730 4 L1 CHOKE, 6-TURN 548730 548730 4 L2 CHOKE, 6-TURN 548730 548730 4 L1 CHOKE, 6-TURN 548730 548730 548730 4 L1 CHOKE, 6-TURN 548730 548730 4 L1 CHOKE, 6-TURN 548730 548730 548730 4 L1 CHOKE, 6-TURN 548730 548730 548730 4 L2 CHOKE, 6-TURN 548730 548730 548730 548730 4 L2 CHOKE, 6-TURN 548730 548730 548730 548730 548730 548730 548730 548730 5	P6	CONNECTOR. POST	267500	00779	86 144-2			
MASHER, CRESCENT SPRING (W/K1, K2)			267500	00779	86 144-2	REF		
CONNECTOR, RF, SMA		UACUED CRESCENT SPRING (W/K1, K2)			544239	1	1	
RELAY, ARMATURE 528638 11532 712-26 2 1			2.1			1		
RELAY, ARMATURE						2	1	
RELAY, ARNATURE, 120 MA 249102 24759 MR-100 REF 1 1 1 1 1 1 1 1 1	K1	RELAY, ARMATURE	520030		112 22			
L1 INDUCTOR, 100 UH, +/-10\$, 120 MA	K2	RELAY, ARMATURE	528638	11532	712-26			
L5 CHOKE, 6-TURN 320911 89536 320911 REF L5 CHOKE, 6-TURN 320911 89536 320911 REF L6 INDUCTOR, 1500 UH +/-10\$ 313863 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 REF MP1 AIDE, PCB, PULL (NOT SHOWN) 541730 89536 541730 4 MP2 CABLE MOUNT (NOT SHOWN) 546374 89536 541730 4 MP3 COMPONENT HOLDER 422857 98159 2829-75-1 1 MP4 FOOT, RUBER, BLACK (NOT SHOWN) 513820 89536 513820 4 MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) 513820 89536 513820 4 MP6 SOCKET, COMPONENT LEAD (NOT SHOWN) 514056 89536 544056 1 P1 CONNECTOR, RECEPTACLE 544056 89536 544056 1 P1 CONNECTOR, PECEPTACLE 544056 89536 507921 4 C20 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q3 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q40 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q50 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q60 TRANSISTOR, NPN 218396 89536 218396 31 Q8 TRANSISTOR, NPN 218396 89536 218396 REF Q8 TRANSISTOR, NPN 218396 89536 2		INDUCTOR, 100 UH, +/-10%, 120 MA	249102	24759	MR-100			
L5 CHOKE, 6-TURN 320911 89536 320911 REF L6 INDUCTOR, 1500 UH +/-10\$ 343863 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 REF MP1 AIDE, PCB, PULL (NOT SHOWN) 546374 89536 541730 4 MP2 CABLE MOUNT (NOT SHOWN) 546374 89536 541730 4 MP3 COMPONENT HOLDER 422857 98159 2829-75-1 1 MP4 FOOT, RUBEER, BLACK (NOT SHOWN) 513820 89536 513820 4 MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) 513820 89536 513820 4 MP6 CONNECTOR, RECEPTACLE 544056 89536 544056 1 COMPONENT LEAD (NOT SHOWN) 513820 89536 544056 1 COMPONENT LEAD (NOT SHOWN) 546374 89536 541076 1 COMPONENT LEAD (NOT SHOWN) 546374 89536 544056 1 COMPONENT LEAD (N		INDUCTOR, 100 UH, +/-104, 120 MA	249102	24759	MR-100			
L5 CHOKE, 6-TURN 320911 89536 320911 REF L6 INDUCTOR, 1500 UH +/-10\$ 343863 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 REF MP1 AIDE, PCB, PULL (NOT SHOWN) 546374 89536 541730 4 MP2 CABLE MOUNT (NOT SHOWN) 546374 89536 541730 4 MP3 COMPONENT HOLDER 422857 98159 2829-75-1 1 MP4 FOOT, RUBEER, BLACK (NOT SHOWN) 513820 89536 513820 4 MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) 513820 89536 513820 4 MP6 CONNECTOR, RECEPTACLE 544056 89536 544056 1 COMPONENT LEAD (NOT SHOWN) 513820 89536 544056 1 COMPONENT LEAD (NOT SHOWN) 546374 89536 541076 1 COMPONENT LEAD (NOT SHOWN) 546374 89536 544056 1 COMPONENT LEAD (N		CHURE 6. AUBN	320911	89536	320911	3		
L5 CHOKE, 6-TURN 320911 89536 320911 REF L6 INDUCTOR, 1500 UH +/-10\$ 343863 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-1500 1 L7 INDUCTOR, 100 UH, +/-10\$, 120 MA 249102 24759 MR-100 REF MP1 AIDE, PCB, PULL (NOT SHOWN) 541730 89536 541730 4 MP2 CABLE MOUNT (NOT SHOWN) 546374 89536 541730 4 MP3 COMPONENT HOLDER 422857 88159 2829-75-1 1 MP4 FOOT, RUBBER, BLACK (NOT SHOWN) 513820 89536 513820 4 MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) 376418 22526 75060-007 63 MP1 CONNECTOR, RECEPTACLE 544056 89536 544056 1 CONNECTOR, RECEPTACLE 544056 89536 57921 4 1 C20 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q3 TRANSISTOR, NPN 218396 89536 218396 3 1 Q40 TRANSISTOR, NPN 218396 89536 507921 REF Q50 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q7 TRANSISTOR, NPN 218396 89536 507921 REF Q8 TRANSISTOR, NPN 218396 89536 507921 REF Q9 TRANSISTOR, NPN 218396 89536 507921 REF Q7 TRANSISTOR, NPN 218396 89536 507921 REF Q8 TRANSISTOR, NPN 218396 89536 507921 REF Q9 TRANSISTOR, NP		CHORE, C-TORK				REF		
L5 CHOKE, 6-10km L6 INDUCTOR, 1500 UH +/-10% 343863 24759 MR-1500 REF L7 INDUCTOR, 100 UH, +/-10%, 120 MA 249102 24759 MR-100 REF MP1 AIDE, PCB, PULL (NOT SHOWN) 541730 89536 541730 4 MP2 CABLE MOUNT (NOT SHOWN) 54374 89536 546374 1 MP3 COMPONENT HOLDER 422857 98159 2829-75-1 1 MP4 FOOT, RUBBER, BLACK (NOT SHOWN) 513820 89536 513820 4 MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) 376418 22526 75060-007 63 P1 CONNECTOR, RECEPTACLE 544056 89536 544056 1 P1 CONNECTOR, RECEPTACLE 544056 89536 507921 8EF Q3 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q3 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q4 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q5 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q6 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q7 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, DNON 1218396 89536 218396 REF Q8 TRANSISTOR, DNON 218396 89536 218396 REF Q8 TRANSISTOR, DNON 218396 89536 218396 REF Q8 TRANSISTOR, DNON 218396 89536 218396 REF Q8 TRANSISTOR, NFN 218396 89536 507921 REF Q9 TRANSISTOR, NFN 218396 89536 507921 REF Q9 TRANSISTOR, NFN 218396 89536 5	⊔ 7	VIII VIII VIII VIII VIII VIII VIII VII	-			nes		
L6 INDUCTOR, 1500 UH +/-10\$, 120 MA 249102 24759 MR-100 REF MR-100 UH, +/-10\$, 120 MA 249102 24759 MR-100 REF MR-100 REF AIDE, PCB, PULL (NOT SHOWN) 541730 89536 541730 4 546374 89536 546374 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L5	CHOKE, 6-TURN	320911	89536	320911			
MP3 COMPONENT HOLDER MP4 FOOT, RUBBER, BLACK (NOT SHOWN) MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) P1 CONNECTOR, RECEPTACLE P2 SH4056 P3 SH536 P4 SH536 P5 SH4056 P6 SH4056 P7 S		INDUCTOR, 1500 UH +/-10%	343863	24759	MR-1500			
MP3 COMPONENT HOLDER MP4 FOOT, RUBBER, BLACK (NOT SHOWN) MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) P1 CONNECTOR, RECEPTACLE P2 SH4056 P3 SH536 P4 SH536 P5 SH4056 P6 SH4056 P7 S		INDUCTOR, 100 IIH, +/-10%, 120 MA	249102	24759	MR-100			
MP3 COMPONENT HOLDER MP4 FOOT, RUBBER, BLACK (NOT SHOWN) MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) MP6 SOCKET, COMPONENT LEAD (NOT SHOWN) MP7 CONNECTOR, RECEPTACLE MP7 CONNECTOR, RECEPTACLE MP8 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN) MP6 SOCKET, COMPONENT LEAD (NOT SHOWN) MP7 CONNECTOR, RECEPTACLE MP8 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN) MP6 SOCKET, COMPONENT LEAD (NOT SHOWN) MP7 SOCKET, COMPONENT LEAD (NOT SHOWN) MP8 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN) MP7 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN)		ATDE POR PHILL (NOT SHOWN)	541730		541730			
MP3 COMPONENT HOLDER MP4 FOOT, RUBBER, BLACK (NOT SHOWN) MP5 SOCKET, COMPONENT LEAD (NOT SHOWN) P1 CONNECTOR, RECEPTACLE MP6 SOCKET, COMPONENT LEAD (NOT SHOWN) P1 CONNECTOR, RECEPTACLE MP7 SOCKET, COMPONENT LEAD (NOT SHOWN) P1 CONNECTOR, RECEPTACLE MP8 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 SOCKET, COMPONENT LEAD (NOT SHOWN) P1 CONNECTOR, RECEPTACLE MP8 SOCKET, COMPONENT LEAD (NOT SHOWN) MP9 RES, VAR, 25K +/-10%, 1/2W MP9 RES, VAR, 25K +/-10%, 1/2W MP9 RES, VAR, 25K +/-10%, 1/2W MP9 RES, MTL. FILM, 3.9K +/-5%, 1/4W MP9 RES, MMP9 RES	-	CABLE MOUNT (NOT SHOWN)	546374		546374	1		
MP3 COMPONENT HOLDER POOT, RUBEER, BLACK (NOT SHOWN) POOT, BUBEER, BUBEER, BLACK (NOT SHOWN) POOT, POOT, BUBEER, BLACK (NOT SHOWN) POOT, BUBEER, BUBEER, BUBEER, BUBEER, BUBEER, LASSES (PAC) POOT, BUBEER, BUBEER, BUBEER, BUBEER, BUBEER, LASSES (PAC) POOT, BUBEER, BUBEER, BUBEER, BUBEER, BUBEER, LASSES (PAC) POOT, BUBEER, BUBEER, BUBEER, BUBEER, LASSES (PAC) POOT, BUBEER, BUBEER, BUBEER, BUBEER, LASSES (PAC) POOT, BUBEER, BUBEER, BUBEER, BUBEER, BUBEER, BUBEER, LASSES (PAC) POOT, BUBEER, BUBEE		•	hoofer	00450	2020 75-1	1		
P1 CONNECTOR, RECEPTACLE 544056 5936 544050 4936 507921 4 1 C2@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q3 TRANSISTOR, NPN 218396 89536 218396 3 Q4@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q5@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q7 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, NPN 218396 89536 218396 REF Q8 RES, OMP, 510 +/-5\$, 1/4W 312645 91637 CMF553011F 2 Q8 RES, DEP. CAR, 51 +/-5\$, 1/4W 500769 32997 3299W-W-253 3 R5 RES, MTL. FILM, 3.01K +/-1\$, 1/8W 312645 91637 CMF553011F REF R6 RES, VAR, 25K +/-10\$, 1/2W 500769 32997 3299W-W-253 REF R7 RES, COMP, 130 +/-5\$, 1/2W 519314 89536 519314 1 R8 RES, MTL. FILM, 1K +/-1\$, 1/8W 168229 91637 CMF551001F 3 R9 RES, VAR, 25K +/-10\$, 1/2W 500769 32997 3299W-W-253 REF R10 RES, DEP. CAR, 3.9K +/-5\$, 1/4W 342600 80031 CR251-4-5P3K9 REF R10 RES, DEP. CAR, 3.9K +/-5\$, 1/4W 291393 91637 CMF553322F 1 R11 RES, MTL. FILM, 33.2K +/-1\$, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5\$, 1/4W 148189 01121 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5\$, 1/4W 148189 01121 CR251-4-5P3K9 REF R14 RES, COMP, 100K +/-5\$, 1/4W 148189 01121 CR251-4-5P3K9 REF	MP3	COMPONENT HOLDER	422857					
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P1 CONNECTOR, RECEPTACLE 544056 5936 544050 4936 507921 4 1 C2@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q3 TRANSISTOR, NPN 218396 89536 218396 3 Q4@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q5@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q6@ TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q7 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, NPN 218396 89536 218396 REF Q8 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q8 TRANSISTOR, DMOS, FIELD EFFECT 507921 89536 507921 REF Q9 RES, MTL. FILM, 3.01K +/-1%, 1/8W 312645 91637 CMF553011F REF Q8 RES, WAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF Q8 RES, WTL. FILM, 30 1K +/-1%, 1/8W 500769 32997 3299W-W-253 REF Q8 RES, WTL. FILM, 1K +/-1%, 1/8W 500769 32997 3299W-W-253 REF Q8 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF Q8 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF Q8 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF Q9 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF Q9 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF Q9 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF Q9 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF Q9 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF Q9 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CR251-4-5P3K9 REF		SOCKET, COMPONENT LEAD (NOT SHOWN)	376418	22526	75060-007	_		
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R1 RES, COMP, 510 +/-5%, 1/4W			218206	80526	218396	REF		
R1 RES, COMP, 510 +/-5%, 1/4W R2 RES, MTL. FILM, 3.01K +/-1%, 1/8W R3 RES, DEP. CAR, 51 +/-5%, 1/4W R5 RES, VAR, 25K +/-10%, 1/2W R6 RES, VAR, 25K +/-10%, 1/2W R7 RES, COMP, 130 +/-5%, 1/2W R8 RES, MTL. FILM, 1K +/-1%, 1/8W R8 RES, WAR, 25K +/-10%, 1/2W R8 RES, WAR, 25K +/-10%, 1/2W R8 RES, WAR, 25K +/-10%, 1/2W R8 RES, COMP, 130 +/-5%, 1/2W R8 RES, MTL. FILM, 1K +/-1%, 1/8W R8 RES, MTL. FILM, 1K +/-1%, 1/8W R9 RES, VAR, 25K +/-10%, 1/2W R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W R10 RES, MTL. FILM, 33.2K +/-1%, 1/8W R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W R13 RES, COMP, 100K +/-5%, 1/4W R14 RES, COMP, 100K +/-5%, 1/4W R8 RES, COMP, 100K +/-5%, 1/4W	Q8	TRANSISTOR, NPN						
R2 RES, MTL. FILM, 3.01K +/-1%, 1/8W 312645 91637 CMF55301F 2 R4 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 3 R5 RES, WTL. FILM, 3.01K +/-1%, 1/8W 312645 91637 CMF553011F REF R6 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R7 RES, COMP, 130 +/-5%, 1/2W 519314 89536 519314 1 R8 RES, MTL. FILM, 1K +/-1%, 1/8W 168229 91637 CMF551001F 3 R9 RES, VAR, 25K +/-10%, 1/2W 519314 89536 519314 1 R8 RES, MTL. FILM, 1K +/-1%, 1/8W 168229 91637 CMF551001F 3 R9 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045	R1	RES, COMP, 510 +/-5%, 1/4W						
R3 RES, DEP. CAR, 51 +/-5%, 1/4W 500769 32997 3299W-W-253 3 R5 RES, WTL. FILM, 3.01K +/-1%, 1/8W 500769 32997 3299W-W-253 REF R6 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R7 RES, COMP, 130 +/-5%, 1/2W 519314 89536 519314 1 R8 RES, MTL. FILM, 1K +/-1%, 1/8W 168229 91637 CMF551001F 3 R9 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R10 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045		RES, MTL. FILM, 3.01K +/-1%, 1/8W	-	1 7				
RES, VAR, 25K +/-10\$, 1/2W RES, WAR, 25K +/-10\$, 1/2W RES, WAR, 25K +/-10\$, 1/2W RES, VAR, 25K +/-10\$, 1/2W RES, COMP, 130 +/-5\$, 1/2W RES, COMP, 130 +/-5\$, 1/2W RES, WAR, 25K +/-10\$, 1/2W RES, COMP, 130 +/-5\$, 1/2W RES, WAR, 25K +/-10\$, 1/2W RES, WAR, 25K +/-15\$, 1/4W RES, WAR, 25K +/-15\$, 1/4W RES, WAR, 25K +/-15\$, 1/4W RES, WAR, 25K +/-5\$, 1/4W RES, WAR, 25K +/-1\$, 1/8W RES,		RES. DEP. CAR, 51 +/-5%, 1/4W		_				
R5 RES, MTL. FILM, 3.01K +/-1%, 1/8W 312645 91637 CMF553011F REF R6 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R7 RES, COMP, 130 +/-5%, 1/2W 519314 89536 519314 1 RES, MTL. FILM, 1K +/-1%, 1/8W 168229 91637 CMF551001F 3 REF R6 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R70 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R71 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R72 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R72 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R73 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045		RES, VAR, 25K +/-10%, 1/2W	500769	32997	3299W-W-253	3		
R5 RES, MTL. FILM, 3.01K +/-1%, 1/5W 500769 32997 3299W-W-253 REF R7 RES, COMP, 130 +/-5%, 1/2W 519314 89536 519314 1 R8 RES, MTL. FILM, 1K +/-1%, 1/8W 168229 91637 CMF551001F 3 R9 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045			2406 115	01627	CMP553011F	REF	1	
R6 RES, VAR, 25K +/-10%, 1/2W R7 RES, COMP, 130 +/-5%, 1/2W R8 RES, MTL. FILM, 1K +/-1%, 1/8W R9 RES, VAR, 25K +/-10%, 1/2W S19314 89536 519314 1 18229 91637 CMF551001F 3 2299W-W-253 REF R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W R13 RES, COMP, 100K +/-5%, 1/4W REF R14 RES, COMP, 100K +/-5%, 1/4W R15 RES, COMP, 100K +/-5%, 1/4W R17 RES, COMP, 100K +/-5%, 1/4W R18 RES, COMP, 100K +/-5%, 1/4W RES, CB1045 REF RES, CB12 RES, CB12 RES, CB1045	R5	RES, MTL. FILM, 3.01K +/-1%, 1/8W			- · · ·			
R7 RES, COMP, 130 +/-5%, 1/2W 519314 89536 519314 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R6	RES, VAR, 25K +/-10%, 1/2W						
R8 RES, MTL. FILM, 1K +/-1%, 1/8W 168229 91637 CMF551001F 500769 RES, VAR, 25K +/-10%, 1/2W 500769 32997 3299W-W-253 REF R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045		RES, COMP, 130 +/-5%, 1/2W						
R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045			168229					
R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 2 R11 RES, MTL. FILM, 33.2K +/-1%, 1/8W 291393 91637 CMF553322F 1 R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045			500769	32997	3299 W-W- 253	HEF	1	
R10 RES, DEP. CAR, 3.9K +/-5%, 1/4W 291393 91637 CMF553322F 1 R11 RES, MTL. FILM, 33.2K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 REF R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045		200 200 GAD 2 07 / 54 4/8tl	2 # 2 € 0 0	80021	CR251-4-5P3K9	2	!	
R11 RES, MIL. FILM, 33.ck +/-1%, 1/4W 342600 80031 CR251-4-5P3K9 REF R12 RES, DEP. CAR, 3.9K +/-5%, 1/4W 342600 80031 CR251-4-5P3K9 R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045	R10							
R12 RES, DEP. CAR, 3.9K +/-5\$, 1/4W 148189 01121 CB1045 4	R1 1	RES, MTL. FILM, 33.2K +/-1%, 1/8W			"			
R13 RES, COMP, 100K +/-5%, 1/4W 148189 01121 CB1045	R12							
R14 RES, COMP, 100K +/-5\$, 1/4W 148189 01121 CB1045 REF		RES, COMP, 100K +/-5%, 1/4W						
		RES, COMP, 100K +/-5%, 1/4W	148189	0112	CB1045	MEI		

Table 6-23. A4A7 Output Amplifier PCB Assembly (6070A) cont)

REF	DEGENOVINA	FLUKE	MFG SPLY	MFG PART NO.	TOT	REC	
DES	DESCRIPTION	STDCK ND.	CDOE	mra rani nu.	QTY	QTY	L
R15	RES, DEP. CAR, 13 +/-5%, 1/4W	442186	80031	CR251-4-5P13E	1		
16	RES. DEP. CAR. 51 +/-5%, 1/4W	414540	80031	CR251-4-5P51E	REF		
17	RES, MTL. FILM, 13.0K +/-1%, 1/8W	335539	91637	CMF551302F	1		
18	RES, MTL. FILM, 2.94K +/-1%, 1/8W	26 16 28	91637	CMF552941K	1		
119	RES, MTL. FILM, 3.83K +/-1%, 1/8W	235143	91637	CMF553831F	1		
20	RES, MTL. FILM, 6.34K +/-1%, 1/8W	267344	91637	CMF556341F	2		
21	RES, DEP. CAR, 10K +/-, 1/4W	348839	89536	348839 .	1		
22	RES. DEP. CAR. 2K +/-5%, 1/4W	441496	80031	CR251-4-5P2K	1		
23	RES, DEP. CAR, 22K +/-5\$, 1/4W	348870	80031	CR251-4-5P22K	1		
24	RES, VAR, 100K +/-10%, 1/2W	36 9520	11236	360T-104A	2		
25	RES, DEP. CAR, 68K +/-5%, 1/4W	376632	80031	CR251-4-5P68K	1		
26	RES, MTL. FILM, 20K +/-1%, 1/8W	291872	91637	CMF552002F	1		
27	RES, MTL. FILM, 2.21K +/-1%, 1/8W	347476	91637	CMF552211F	1		
28	RES, DEP. CAR, 470 +/-5%, 1/4W	343434	89536	343434	2		
29	RES, COMP, 2.4K +/-5%, 1/2W	108902	01121	::	1		
30	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	3		
31	RES. MTL. FILM, 56.9 +/-0.5%, 1/4W	46 1590	89536	46 15 90	2		
32	RES, MTL. FILM, 402 +/-0.5%, 1/8W	46 16 32	89536	46 16 32	1		
33	RES, MTL. FILM, 56.9 +/-0.5%, 1/4W	46 15 90	89536	46 1590	REF		
34	RES, DEP. CAR, 470 +/-5%, 1/4W	343434	89536	343434	REF		
35	RES, COMP, 100K +/-5%, 1/4W	148189	01121	CB1045	REF		
36	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	REF		
37	RES, MTL. FILM, 1K +/-1%, 1/8W	168229			REF		
38	RES, COMP, 100K +/-5%, 1/4W	148189			REF		
139	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
40	RES, DEP. CAR, 82K +/-5%, 1/4W	348912	80031	CR251-4-5P82K	1		
141	RES, DEP. CAR, 2.4K +/-5%, 1/4W	441493	80031		1		
14 I 142	RES, MTL. FILM, 1K +/-1%, 1/8W	168229	91637		REF		
	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031		REF		
143 144	RES, MTL. FILM, 6.34K +/-1%, 1/8W	267344	91637		REF		
46 ·	RES. MTL. FILM, 22.6K +/-1%, 1/8W	288431	91637	CMF552262F	1		
	RES, MTL. FILM, 100 +/-1%, 1/8W	168195	91637		1		
147 -		327569	11236		1		
48	RES, VAR, 5K +/-10%, 1/2W	512806	01121		2		
50 51 .	RES, COMP, 820 +/-5%, 1/8W RES, COMP, 5.6 +/-5%, 1/4W	208033	01121		1		
	RES, COMP, 820 +/-5%, 1/8W	512806	01121	BB1-882105	REF		
52 53		441477	80031		1		
53	RES, DEP. CAR, 20K +/-5\$, 1/4W	266254	01121		1		
54 55	RES, COMP, 27 +/-5%, 1/8W	342626	80031		2		
55 56	RES, DEP. CAR, 220 +/-5%, 1/4W RES, VAR, 500 +/-10%, 1/2W	325613	89536	325613	2		
	DEC WAD 500 // 104 1/2W	325613	89536	3256 13	REF		
57	RES, VAR, 500 +/-10%, 1/2W	342626	80031		REF		
58	RES, DEP. CAR, 220 +/-5%, 1/4W	108951	01121		1		
61	RES, COMP, 510 +/-5%, 1/2W	512889	02660		8		
P1 P2	CONNECTOR (FASTON TAP) CONNECTOR (FASTON TAP)	512889	02660		REF		
	CONNECTOR (FACTOR TAR)	512889	02660	62395-1834	REF		
:P3	CONNECTOR (FASTON TAP)	512889			REF		
'P4	CONNECTOR (FASTON TAP)	512889		62395-1834	REF		
P5	CONNECTOR (FASTON TAP)	512889			REF		
°P6	CONNECTOR (FASTON TAP) CONNECTOR (FASTON TAP)	512889	_	62395-1834	REF		
'P7							

Table 6-23. A4A7 Output Amplifier PCB Assembly (6070A) (cont)

REF DES	DESCRIPTION	FLUKE STDCK ND.	MFG SPLY CDDE	MFG PART NO.	TOT QTY	REC QTY	N O T
	CONVENIEND (FACTION TAB)	512889	02660	62395-1834	REF		
TP8	CONNECTOR (FASTON TAP)		89536	492751	3	1	
U1	7DB POWER AMPLIFIER	492751			REF	•	
U2	7DB POWER AMPLIFIER	492751			REF		
U3Ø	LEVEL DETECTOR	492777			:		
U4	IC, LIN, OP AMP	429951	12040	LF357AH	•	•	
U 5	IC, OP-AMP, LO-NOISE	477745	18324	NE5534AN	2	1	
U6	7DB POWER AMPLIFIER	492751		492751	REF		
U7	IC. OP-AMP. LO-NOISE	477745		NE5534AN	REF		
บ8	IC. TTL. BUFFERS AND INTERFACE GATES	407593	_		1	1	
U9	IC, LINEAR TIMER	402610	18324		1	1	
W47	CABLE ASSEMBLY	577288	89536	577288	1		
W40	CABLE ASSEMBLY	524983		524983	1		
XJ1	SOCKET, 14-PIN	370304	12040	MM74C906N	2		
XU4	SOCKET, IC, 8-PIN	408450	89536	408450	1		
XU5	SOCKET, IC, 8-PIN	478016		308-AG39D	3		
XU7	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	. REF		
XU8	SOCKET, IC, 14-PIN	370304	12040	MM74C906N	REF		
XU9	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		

IF THESE COMPONENTS FAIL
THE USER IS URGED TO RETURN THE
GENERATOR TO THE NEAREST JOHN FLUKE
SERVICE CENTER.

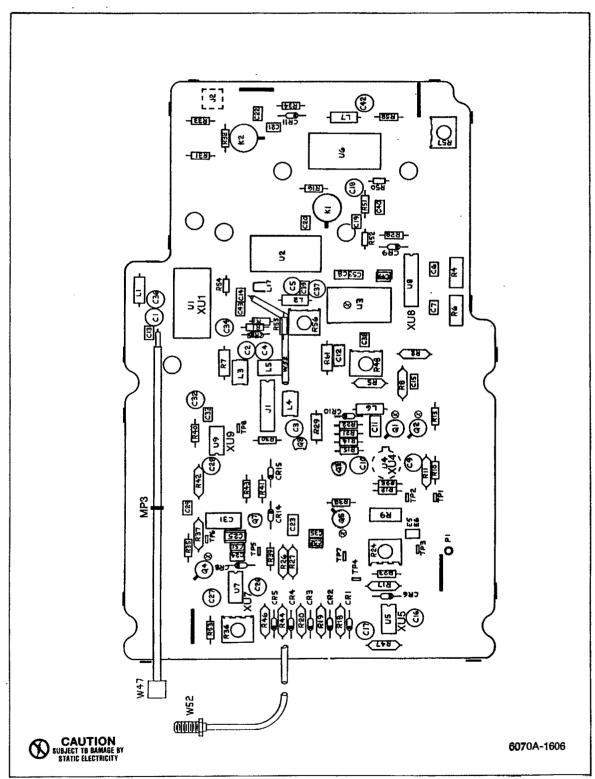


Figure 6-23. A4A7 Output Amplifler PCB Assembly (6070A)

REF DES A4A8Ø	DESCRIPTION	FLUKE STDCK	MFG SPLY	MFG PART ND.	TOT	REC	G
A4A8Ø		NO.	CDDE	mi di niii iib.	QTY	QTY	Ť
A4A8Ø							
	HETRODYNE OSCILLATOR PCB ASSEMBLY FIGURE 6-24 (6070A-4015T)	463588	89536	463588	REF		1
C1	CAP, TA, 39 UF +/-20%, 6V	163915	56289	196D396X0006	5		
C2	CAP, TA, 22 UF +/-20%, 15V	423012	56289	196D226X0015KA1	3		
C 3	CAP. TA. 10 UF +/-20%, 35V	417683	56289	196D106X0035KA1	1		
C4	CAP, TA, 22 UF +/-20%, 15V	423012			REF		
C5	CAP, CER, 0.001 UF +/-20%, 500V	402966			18		
C6	CAP, CER, 0.001 UF +/-20%, 500V		72982		REF		
C7	CAP, TA, 39 UF +/-20\$, 6V	163915	56289	196D396X0006	REF		
C8	CAP, TA, 39 UF +/-20\$, 6V		56289		REF		
C9	CAP, CER, 100 PF +/-2%, 100V			512848	2		
C10	CAP, CER, 0.05 UF -20/+80%, 25V	148924			5		
C11	CAP, TA, 10 UF +/-20%, 15V	193623			1		
C12	CAP, TA, 0.47 UF +/-20%, 35V	161349	56289	196D474X0035HA1	8		
C13	CAP, TA, 0.47 UF +/-20%, 35V	161349			REF		
C14	CAP, TA, 39 UF +/-20%, 6V	163915			REF		
C15	CAP, TA, 39 UF +/-20%, 6V CAP, CER, 0.001 UF +/-20%, 500V	402966			REF		
C16	CAP, TA, 39 UF +/-20%, 6V		56289	196D396X0006	REF		
C17	CAP, TA, 0.47 UF +/-20%, 35V	161349	56289	196D474X0035HA1	REF		
C18	CAP, TA, 0.47 UF +/-20%, 35V	161349	56289		REF		
C19	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C20	CAP, CER, 0.68 PF +/-1%, 100V	485011	89536		2		
C22 .	CAP, CER, 3.9 PF +/-0.25PF, 100V	512947	89536		2		
C23	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C24	CAP, CER, 0.001 UF +/-20%, 500V		72982		REF		
C25	CAP, CER, 0.05 UF -20/+80%, 25V			5855-000-Y5 U 0-503Z	REF		
C26	CAP, MYLAR, 0.033 UF +/-10%, 250V			C280MAE/A33K	2		
C27	CAP, CER, 0.05 UF -20/+80%, 25V	•		5855-000-Y5U0-503Z	REF		
C28	CAP, CER, 0.05 UF -20/+80\$, 25V	148924	72982	5855-000-Y5U0-503Z	REF		
C29	CAP, MYLAR, 0.033 UF +/-10%, 250V	234492	73445	C280MAE/A33K	REF		
C30	CAP, TA, 0.47 UF +/-20%, 35V	161349	56289	196D474X0035HA1	REF		
C31	CAP, TA, 0.47 UF +/-20%, 35V	16 1349	56289	196D474X0035HA1	REF		
C32	CAP, CER, 39 PF +/-2%, 100V	512962			8		
233	CAP, CER, 39 PF +/-2\$, 100V	512962	89536	512962	REF		
234	CAP, CER, 39 PF +/-2%, 100V	512962	89536	512962	REF		
C35	CAP. CER. 39 PF +/-2%, 100V	512962	89536	512962	REF		
C36	CAP, POLY, 0.1 UF +/-10%, 100V	393439	89536	393439	1		
237	CAP, CER, 39 PF +/-2%, 100V	512962	89536		REF		
238	CAP, CER, 39 PF +/-2\$, 100V	512962	89536	512962	REF		
C39	CAP. CER. 5.6 PF +/-0.25PF, 100V	512954	89536	512954	1		
240	CAP, CER, 39 PF +/-2%, 100V	512962	89536	512962	REF		
C41	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289	196D685X0035KA1	1		
242	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	<u> </u>	REF		
243	CAP, CER, 0.05 UF -20/+80%, 25V	148924	72982	5855-000-Y5U0-503Z	REF		
C44	CAP, CER, 0.001 UF +/-20%, 500V	402 96 6	72982	8121-A100-W5R-102M	REF		
C45	CAP, CER, 3.9 PF +/-0.25PF, 100V	512947	89536	512947	REF		
C46	CAP, CER, 39 PF +/-2%, 100V	512962	89536	512962	REF		
C47	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5 R-102M	REF		
C48	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		

Table 6-24. A4A8 Hetrodyne Oscillator PCB Assembly (cont)

REF Des	DESCRIPTION	STOCK	SDLV	MEG DART NO	TOT	REC	D
DEO		1	SPLY	MFG PART ND.	OTY	OTY	Ť
	<u> </u>	NO.	CODE		14	[<u>,,,</u>	E
C49	CAP, CER, 0.68 PF +/-14, 100V	485011	89536	485011	REF		2
C50	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
C51	CAP, TA, 47 UF +/-20%, 20V	348516		196D476X0020KE4	1		
052	CAP, TA, 22 UF +/-20%, 15V	423012		196D226X0015KA1	REF		
C53	CAP, CER, 18 PF +/-2%, 100V	_	89536		1		
				0.0			
C54	CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 0.001 UF +/-20\$, 500V CAP, TA, 0.87 UF +/-20\$, 35V	402966		8121-A100-W5R-102M	REF		
C55	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF		
C56	uni, in, 0:4, 0: 4, -20, 35.			196D474X0035HA1	REF		
C57	CAP, TA, 0.47 UF +/-20%, 35V			196D47,4X0035HA1	REF		
C58	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C59	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C60	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C6 1	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF		
C62	CAP, TA, 2.2 UF +/-20%, 15V	364216	56289	196225X0015HA1	1		
C64	CAP, VAR, 1.7 - 10 PF, 250V	321109	89536	321109	1		:
C65	CAP, CER, 100 PF +/-2%, 100V	512848	80536	512848	REF		
C66	CAP. TA. 82 UF +/-20%, 20V			D82GS2D20M	1		
C69	CAP, TA, 1 UF +/-20%, 35V	161919		196D010X0035G	1		
C70		402966		8121-A100-W5R-102M	REF		
C71	CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 1000 PF +/-5%, 50V	528539			3		
-, ,							
272	CAP, CER, 1000 PF +/-5\$, 50V CAP, CER, 430 PF +/-5\$, 50V CAP, CER, 430 PF +/-5\$, 50V CAP, CER, 1000 PF +/-5\$, 50V DIODE. SI	528539	89536		REF		
273	CAP, CER, 430 PF +/-5%, 50V	528489	89536	528489	2		
C74	CAP, CER, 430 PF +/-5%, 50V	528489	89536		REF		
C75	CAP, CER, 1000 PF +/-5%, 50V	528539			REF		
CR1	DIODE, SI	368738	04713	1 N4004	1	1	
CR2	DIODE, MICROWAVE TUNING	508010	89536	508010	2	1	:
CR3	DIODE, MICROWAVE TUNING	508010	89536	508010	REF		
CR5	DIODE, HI-SPEED SWITCHING	203323	07910	1 N4 4 4 8	1		
CR6	DIODE, SI, SMALL SIGNAL	313247		HP5082-6264	2		
CR7	DIODE, SI, SMALL SIGNAL		28484	HP5082-6264	REF		
an0	DYANG GENED UNGANDENGATED	225 91 1	07010	4 N7 E 2 Å	2		
CR8	DIODE, ZENER, UNCOMPENSATED	325811		1N753A	REF		
CR9	DIODE, ZENER, UNCOMPENSATED	325811			ner 1		
J1	CONNECTOR, RF, SMB	512095		702033	2		
J4 	CONNECTOR, RF, SMA	512087		705147-001			
J5	CONNECTOR, RF, SMA	512087	16733	705147-001	REF		
(1	RELAY, SPST	461434	15636	R7254-1	1		
.1	INDUCTOR, COIL, 6-TURN	320911	89536	320911	8		
2	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
-3	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
14	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
_	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
L5	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
L6		528943	89536	528943	2		
L7	INDUCTOR, VARIABLE	528943	89536	528943	REF		
1.8 1.9	INDUCTOR, VARIABLE INDUCTOR, COIL, 10-TURN	496448	89536	496448	4		
-,		.,		- • • •			
L10	INDUCTOR, COIL, 10-TURN	496448	89536	496 448	REF		
L11	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
L12	INDUCTOR, COIL, 6-TURN	320911	89536	320911	REF		
L13	INDUCTOR, COIL, 10-TURN	496448	89536	496448	REF		
L14	INDUCTOR, COIL, 10-TURN	496448	89536	496448	REF		

Table 6-24. A4A8 Hetrodyne Oscillator PCB Assembly (cont)

REF DES	DESCRIPTION	FLUKE STDCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY	
		204480	00526	224492	1		
15	CHOKE, CORE	321182	89536	321182	2		
4P1	AIDE, PCB PULL (NOT SHOWN)	541730		541730			
1P2	SOCKET, INSERT (NOT SHOWN)	376418		376418	94		
1	CONNECTOR, RECEPTACLE	544056	00779	50871-1	7		
2	CONNECTOR, RECEPTACLE	544056	00779	50871-1	REF		
21	TRANSISTOR, SI, NPN TRANSISTOR, SI, PNP TRANSISTOR, SI, NPN, MICROWAVE RES. DEP. CAR, 47K +/-5\$, 1/4W	218396	04713	2N3904	1		
)2	TRANSISTOR, SI, PNP	195974	04713	2 N 3906	1		
)3	TRANSISTOR, ST. NPN. MICROWAVE	483156	89536	483156	1	1	1
:5 11	RES, DEP. CAR, 47K +/-5%, 1/4W	348896	_	CR251-4-5P47K	2		
12	RES, DEP. CAR, 47K +/-5%, 1/4W	348896	80031		REF		
	•	26 976 1	80031	CR251-4-5P6K8	2		
13	RES, DEP. CAR, 6.8K +/-5%, 1/4W	368761	_		1		
14	RES, MTL. FILM, 1.87K +/-1%, 1/8W	267229			2		
₹5	RES, DEP. CAR, 24K +/-5%, 1/4W		80031				
16	RES, MTL. FILM, 7.15K +/-1%, 1/8W		91637		1		
7	RES, DEP. CAR, 24K +/-5%, 1/4W RES, MTL. FILM, 7.15K +/-1%, 1/8W RES, DEP. CAR, 24K +/-5%, 1/4W	442384	80031	CR251-4-5P24K	REF		
88	RES. VAR. 50K +/-10%. 1/2W	288290	89536	288290	REF		
19	RES. DEP. CAR. 1K +/-5%. 1/4W	343426	80031	CR251-4-5P1K	9		
110	RES, DEP. CAR, 1K +/-5%, 1/4W RES, DEP. CAR, 2.4K +/-5%, 1/4W RES, VAR, 50K +/-10%, 1/2W	441493		CR251-4-5P2K4	1		
R1 1	RES, VAR, 50K +/-10%, 1/2W	288290		288290	2		
112	RES, DEP. CAR, 30K +/-5%, 1/4W	368753	80031		2		
		285171	89536	285171	1		
113	RES, VAR, 10K +/-10%, 1/2W				REF		
114	RES, DEP. CAR, 1K +/-5%, 1/4W	343426			REF		
115	RES, DEP. CAR, 30K +/-5%, 1/4W	368753		CR251-4-5P30K			
116	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	_		4		
R17	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	REF		
R18	RES. VAR. 10K +/-10%. 1/2W	309674	75378	360T-103A	1		
R19	RES, VAR, 10K +/-10\$, 1/2W RES, MTL. FILM, 140K +/-1\$, 1/8W	289439	91637	CMF551403F	1		
120	RES. DEP. CAR, 1.6K +/-5%, 1/4W	348805			1		
	DEC DED CAD 2 OF 1/-5% 1/NW			CR251-4-5P3K9	1		
121 122	RES, DEP. CAR, 3.9K +/-5%, 1/4W RES, DEP. CAR, 5.1K +/-5%, 1/4W	368712			1		
	•	a ha haƙ	90024	CR251-4-5P1K	REF	ı	
123	RES, DEP. CAR, 1K +/-5%, 1/4W	343426			REF		
R25	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	_				
R26	RES, MTL. FILM, 68.1K +/-1%, 1/8W	236828			1		
27	RES, COMP, 2K +/-5%, 1/8W	240 95 9	01121		1		
28	RES, COMP, 220 +/-10%, 1/8W	153957	01121	BB2211	1		
29	RES, MTL. FILM, 34K +/-1%, 1/8W RES, MTL. FILM, 34K +/-1%, 1/8W	26 16 02	91637	CMF553402F	2		
130	RES. NTL. FILM. 34K +/-15. 1/8W	26 16 02	91637	CMF553402F	REF		
	RES, MTL. FILM, 340K +/-1%, 1/8W	375949			1		
131	RES. DEP. CAR, 5.1 +/-5%, 1/4W	441287	_		1		
32 33	RES, DEP. CAR, 180 +/-5%, 1/4W	441436	_	CR251-4-5P180E	1		
		E107F4	01121	BB1815	2	,	
134	RES, COMP, 180 +/-5%, 1/8W	512756			1		
135	RES, COMP, 30 +/-5%, 1/8W	512723		BB3005	REF		
136	RES, COMP, 180 +/-5%, 1/8W	512756		BB1815			
137	RES, DEP. CAR, 510 +/-5%, 1/4W	441600			10		
38	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
39	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
140	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	_		4		
	RES, MTL. FILM, 15.4K +/-1%, 1/8W	261651		.	2	!	
74 1	RES, DEP. CAR, 510 +/-5%, 1/4W	441600			REF	•	
R42	RES, DEP. CAR, 510 +/-5%, 1/4W	441600		.	REF		
343	PEG DED CAR 510 1/15 1/48	** 1000					

Table 6-24. A4A8 Hetrodyne Oscillator PCB Assembly (cont)

							_
REF		FLUKE	MFG		TOT	REC	ı
DES	DESCRIPTION	STOCK	SPLY	MFG PART NO.	i .		
DEO		NO.	COOE		QTY	QTY	L
Tale to	PDG PDD G1D -14 4 54 4 444		•				
R44	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R45	RES, DEP. CAR, 6.2K +/-5%, 1/4W	442368			2		
R46	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R47	RES, MTL. FILM, 15.4K +/-1%, 1/8W	26 16 51	91637	CMF551542F	REF		
R48	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R49	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
R50	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	_		REF		
R5 1	RES, DEP. CAR, 5.6K +/-5%, 1/4W	442350	80031		1		
R52	RES, DEP. CAR, 6.2K +/-5%, 1/4W						
R53		442368	80031		REF		
133	RES, DEP. CAR, 160 +/-5%, 1/4W	441410	80031	CR251-4-5P160E	1		
15 4	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
₹58	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	80031	CR251-4-5P51E	REF		
R59	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
60	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	80031		REF		
16 1	RES, DEP. CAR, 51 +/-5%, 1/4W	414540	80031		REF		
	, , , , , , , , , , , , , , , , , , , ,			00.237 . 31312			
62	RES, DEP. CAR, 330 +/-5%, 1/4W	368720	80031	CR251-4-5P330E	1		
164	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	REF		
65	RES, DEP. CAR, 100 +/-5%, 1/4W	348771	80031	CR251-4-5P100E	1		
66	RES, COMP, 18 +/-5%, 1/8W	500397	01121		1		
67	RES, COMP, 300 +/-5%, 1/8W	512772	01121	BB3015	2		
68	DEC COMP 200 . / Ed 4/00	F40990	04404	77774			
70	RES, COMP, 300 +/-5%, 1/8W	512772		BB3015	REF		
•	RES, COMP, 47 +/-5%, 1/8W	272211	01121	BB4 405	1		
71	RES, COMP, 120 +/-5%, 1/8W	513978	01121	BB1215	2		
72	RES, COMP, 120 +/-5%, 1/8W	513978	01121	BB1215	REF		
73	RES, MTL. FILM, 102K +/-1%, 1/8W	291286	91637	CMF551023F	1		
74	RES, DEP. CAR, 510 +/-5%, 1/4W	441600	80031	CR251-4-5P510E	REF		
75	RES, VAR, 25K +/-10%, 1/2W	494591	11236	360T-253A	1		
76	RES, DEP. CAR, 6.8K +/-5%, 1/4W	368761	80031		REF		
77	RES, DEP. CAR, 1K +/-5%, 1/4W		_				
78	RES, COMP, 10K +/-10%, 1/8W	343426 246975	80031 01121	CR251-4-5P1K BB1031	REF 1		
, •	125, doing (du 17-10g) 17 0H	240313	01121	DD1031	•		
79	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
80	RES, DEP. CAR, 100 +/-5%, 1/4W	348771	80031	CR251-4-5P100E	1		
81	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	REF		
82	RES, DEP. CAR, 30 +/-5%, 1/4W	442228	80031	CR251-4-5P30E	1		
T1	RES, THERMISTOR, TEMP SENSITIVE	104596	89536	104596	1		
	CULTUCU OF THE PROPERTY	202600	40000	00 004 444	_		
1	SWITCH, SLIDE, DPDT	393629	10389		3	1	
2	SWITCH, SLIDE, DPDT	393629	10389		REF		
3	SWITCH, SLIDE, DPDT	393629	10389		REF		
1	TRANSFORMER	469064	89536	46 90 6 4	1		
21	CONNECTOR, TEST POINT (NOT SHOWN)	512889	00779	62395-1	14		
P2	CONNECTOR, TEST POINT (NOT SHOWN)	512889	00779	62395-1	REF		
P3	SOCKET, CONNECTOR (NOT SHOWN)		98291		1		
P4	CONNECTOR, TEST POINT (NOT SHOWN)			62395-1	REF		
P5	CONNECTOR, TEST POINT	512889		62395-1	REF		
i	IC, LINEAR TIMER	402610		NE555N	1	1	
2	IC, TTL, 4-BIT BINARY COUNTER	320739	01295		1	1	
3	IC, MONOLITHIC, 10-BIT D/A CONVERTER		- :	AD561J	1	1	
4	IC, LINEAR, OP-AMP	472779		LF386N	1	1	
5	IC, LINEAR VOLTAGE REGULATOR		_	MC1723CL	1	1	
	IC, LINEAR, OP-AMP, J-FET INPUT	483438	89536	483438	1	1	
5	,,,						

	Table 6-24. A4A8 Hetrodyne O	- CHIQUOI F	CD Ass	eniory (conty			_
REF DES	DESCRIPTION	FLUKE Stock No.	MFG SPLY Code	MFG PART NO.	TOT QTY	REC QTY	
U7	IC. LO-PWR SCHOTTKY	404186	01295	SN74LS123N	1	1	
98	IC, TTL, QUAD, 2-INPUT NOR GATE	393041	01295	SN74LSO2N	1	1	
19	IC, DUAL, 4-BIT DECADE & BINARY COUNTERS	419069	01295	SN74393N	1	1	
U10	IC. LINEAR COMPARATOR	352195	01295	SN72311P	1	1	
U11	IC, 8-CHANNEL MULTIPLEX SWITCH	508036	17 856	S13705-193K	1	1	
U12 Ø	IC, S.A.W.	429662	89536	429662	1	1	2
U13	IC, IODB AMP	492710	89536	492710	3	1	
U14	IC. 6DB. 150 AMP	492819	89536	492819	2	1	
U15	IC, TTL, QUAD 2-IN NOR GATE	288845	01295		1	1	
U16	IC, ECL, BI-QUINARY COUNTER	525337		MC10138L	1	1	
U17	IC. ECL, 2-MOD PRESCALER	454900	89536	454900	1	1	
U18	IC, 6DB, 150 AMP	492819		492819	RE F		
	IC, ECL, PHASE FREQUENCY DETECTOR	525311		MC12040L	1	1	
U19	IC, IODB AMP	492710	89536		REF		
U20 U21	IC, IODB AMP	492710	89536		REF		
U 22	RESISTOR NETWORK	412924	89536	412924	1	1	
U23 ·	IC, LINEAR, LO-NOISE DUAL OP-AMP	504720	18324	=	1	1	
-	HYBRID COUPLER	526509	89536		2		
W1		526509	89536		REF		
W2 W4	HYBRID COUPLER CABLE ASSEMBLY, RFC	539114		539114	1		
W114	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	5		
XU1	SOCKET, IC, 14-PIN	276527	91507		7		
XUS		276535	91506		2		
XU3	SOCKET, IC, 16-PIN	478016	91506		REF		
XU4 XU5	SOCKET, IC, 8-PIN SOCKET, IC, 14-PIN	276527	91507	314-AG39D	REF		
XU6	SOCKET TO 1 h DIN	276527	91507	314-AG39D	REF		
	SOCKET, IC, 14-PIN	276535	91506	7	REF		
XU7	SOCKET, IC, 16-PIN	276527	91507	·:	REF		
XU8	SOCKET, IC, 14-PIN	276527	91507	314-AG39D	REF		
XU9	SOCKET, IC, 14-PIN		91506		REF		
XU10	SOCKET, IC, 8-PIN	478016	91506	308-AG39D			
XU11	SOCKET, IC, 8-PIN	478016	91506	= -	REF 1		
XU12	INSULATOR, TO-8	577775	89536		REF		
XU15	SOCKET, IC, 14-PIN	276527	-	314-AG39D	REF		
XU19	SOCKET, IC, 14-PIN	276527	91507		REF		
XU23	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
	BEFORE ORDERING SPARE PARTS OR SPARE PCB ASSEMBLIES, PLEASE CONTACT YOUR NEAREST JOHN FLUKE SERVICE CENTER FOR INFORMATION.						
	2 IF THESE COMPONENTS FAIL, THE USER IS URGED TO RETURN THE GENERATOR TO THE NEAREST JOHN FLUKE SERVICE CENTER.						

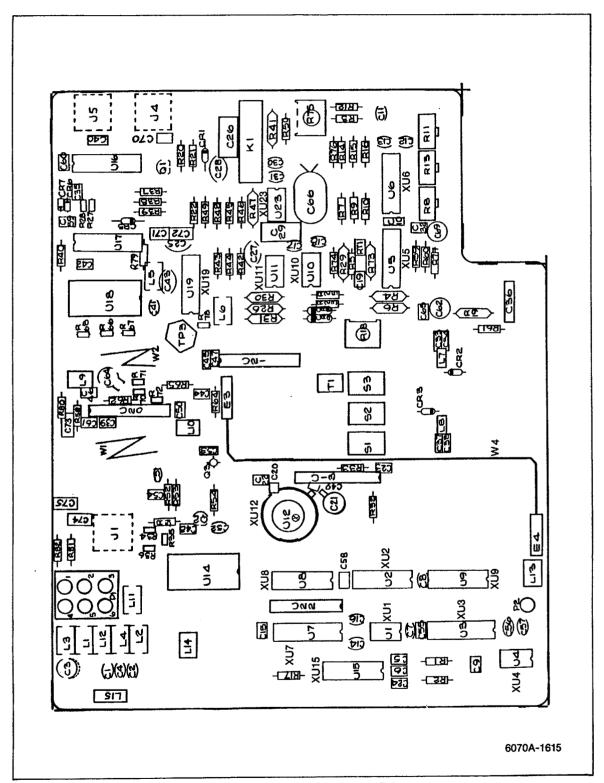


Figure 6-24. A4A8 Hetrodyne Oscillator PCB Assembly

Table 6-25, A4A9 Hetrodyne Converter PCB Assembly

C1	DESCRIPTION DESCR	402966 402966 512962 363713 363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 72982 72982 72982 89536 56289 72982 89536 72982 80931 56289 89536 89536 89536	8121-A100-W5R-102M 8121-A100-W5R-102M 8121-A100-W5R-102M 512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 89410-0PC 512350 362749	REF 11 REF REF REF REF REF REF 11 REF REF 12	REC
C1	FIGURE 6-25 (6070A-4013T) CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CER, 0.001 UF +/-20\$, 35V CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP,	402966 402966 402966 512962 363713 363713 402966 40725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 72982 72982 72982 89536 56289 72982 89536 72982 80931 56289 89536 89536 89536	8121-A100-W5R-102M 8121-A100-W5R-102M 8121-A100-W5R-102M 8121-A100-W5R-102M 512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-0PC 512350 362749	11 REF REF FREF 7 REF REF REF 1 REF	
21	FIGURE 6-25 (6070A-4013T) CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CER, 0.001 UF +/-20\$, 35V CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP,	402966 402966 402966 512962 363713 363713 402966 40725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 72982 72982 72982 89536 56289 72982 89536 72982 80931 56289 89536 89536 89536	8121-A100-W5R-102M 8121-A100-W5R-102M 8121-A100-W5R-102M 8121-A100-W5R-102M 512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-0PC 512350 362749	11 REF REF FREF 7 REF REF REF 1 REF	
22	CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 39 PF +/-2%, 100V CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP,	402966 402966 512962 363713 363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 72982 89536 56289 56289 72982 89536 72982 80031 56289 89536 89536 89536	8121-A100-W5R-102M 8121-A100-W5R-102M 8121-A100-W5R-102M 512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-OPC 512350 362749	REF REF 57 REF REF REF 1 REF 1 1 1 2	
22	CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 39 PF +/-2%, 100V CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP,	402966 402966 512962 363713 363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 72982 89536 56289 56289 72982 89536 72982 80931 56289 89536 89536 89536	8121-A100-W5R-102M 8121-A100-W5R-102M 512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 89410-0PC 512350 362749	REF REF FREF REF REF 1 REF 1	
4	CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 39 PF +/-2%, 100V CAP, TA, 6.8 UF +/-20%, 35V CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 0.001 UF +/-20%, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 82 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER, 0.22 UF +/-20%, 50V CAP, CER 0.22 UF +/-20%, 50V	402966 512962 363713 363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 89536 56289 56289 72982 89536 72982 80031 56289 89536 89536 89536	8121-A100-W5R-102M 512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-0PC 512350 362749	REF 7 REF REF REF 1 REF 1 1 1	
14 C C C C C C C C C C C C C C C C C C C	CAP, CER, 39 PF +/-2%, 100V CAR, TA, 6.8 UF +/-20%, 35V CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 0.001 UF +/-20%, 500V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 0.001 UF +/-20%, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 39 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 82 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 100V CAP, CER, 56 PF +/-2%, 100V	512962 363713 363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	89536 56289 56289 72982 89536 72982 80031 56289 89536 89536 89536 89536	512962 196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-OPC 512350 362749 512970	5 7 REF REF REF 1 REF 1 1 1	
6 C C C C C C C C C C C C C C C C C C C	CAR, TA, 6.8 UF +/-20\$, 35V CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CER, 0.001 UF +/-20\$, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 39 PF +/-2\$, 100V CAP, CER 47 PF +/-2\$, 100V CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 56 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER 0.22 UF +/-20\$, 50V	363713 363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	56289 56289 72982 89536 72982 80931 56289 89536 89536 89536 89536	196D685X0035KA1 196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-0PC 512350 362749	7 REF REF REF 1 REF 1 1 1	
7	CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 0.001 UF +/-20\$, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-2\$, 100V CAP, CER, 39 PF +/-2\$, 100V CAP, CER 47 PF +/-2\$, 100V CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER 0.22 UF +/-20\$, 50V CAP, CER 0.22 UF +/-20\$, 50V	363713 402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 89536 72982 80031 56289 89536 89536 91293 89536 89536	196D685X0035KA1 8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-0PC 512350 362749 512970	REF REF REF 1 REF 1 1 1	
8 9 0 0 11 1 12 12 13 14 15 16 16 17 18 18 20 22 1 22 22 22 23 26 27 28 29 30 31	CAP, CER, 0.001 UF +/-20\$, 500V CAP, CER, 39 PF +/-2\$, 100V CAP, CER, 0.001 UF +/-20\$, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 39 PF +/-2\$, 100V CAP, CER 47 PF +/-2\$, 100V CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 56 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER 0.22 UF +/-20\$, 50V	402966 512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 89536 72982 80031 56289 89536 89536 91293 89536 89536	8121-A100-W5R-102M 512962 8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-OPC 512350 362749	REF REF 1 REF REF 1 1	
9	CAP, CER, 39 PF +/-2%, 100V CAP, CER, 0.001 UF +/-20%, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 39 PF +/-2%, 100V CAP, CER 47 PF +/-2%, 100V CAP, CER, 82 PF +/-2%, 100V CAP, CER, 82 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER, 0.22 UF +/-20%, 50V CAP, CER 0.22 UF +/-20%, 50V	512962 402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	89536 72982 80031 56289 89536 89536 91293 89536 89536	512962 8121-A100-W5 R-102M CT5E2 R510-A 196 D6 85X0035KA1 512962 512368 S9410-OPC 512350 362749 512970	REF REF 1 REF 1 1	
9	CAP, CER, 39 PF +/-2%, 100V CAP, CER, 0.001 UF +/-20%, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20%, 35V CAP, CER, 39 PF +/-2%, 100V CAP, CER 47 PF +/-2%, 100V CAP, CER, 82 PF +/-2%, 100V CAP, CER, 82 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER, 0.22 UF +/-20%, 50V CAP, CER 0.22 UF +/-20%, 50V	402966 460725 363713 512962 512368 529925 512350 362749 512970 369074 519157	72982 80031 56289 89536 89536 91293 89536 89536	8121-A100-W5R-102M CT5E2R510-A 196D685X0035KA1 512962 512368 S9410-OPC 512350 362749 512970	REF 1 REF REF 1 1	
10	CAP, CER, 0.001 UF +/-20\$, 500V CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-20\$, 35V CAP, CER, 39 PF +/-2\$, 100V CAP, CER 47 PF +/-2\$, 100V CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 56 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER 0.22 UF +/-20\$, 50V	46 07 25 36 37 13 51 29 62 51 23 68 52 99 25 51 23 50 36 27 49 51 29 7 0 36 9 0 7 4 51 9 15 7	80031 56289 89536 89536 91293 89536 89536	CT5E2R510-A 196D685X0035KA1 512962 512368 89410-0PC 512350 362749	1 REF REF 1 1 1	
11	CAP, VAR, 2.5 - 10 PF, 100VDC CAP, TA, 6.8 UF +/-2%, 35V CAP, CER, 39 PF +/-2%, 100V CAP, CER 47 PF +/-2%, 100V CAP, VAR, 1.5 - 4 PF, 100VDC CAP, CER, 82 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-2%, 50V CAP, CER 0.22 UF +/-20%, 50V	363713 512962 512368 529925 512350 362749 512970 369074 519157	56289 89536 89536 91293 89536 89536	196D685X0035KA1 512962 512368 S9410-0PC 512350 362749 512970	REF 1 1 1 2	
13	CAP, CER, 39 PF +/-2\$, 100V CAP, CER 47 PF +/-2\$, 100V CAP, VAR, 1.5 - 4 PF, 100VDC CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 56 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER 0.22 UF +/-20\$, 50V CAP, CER 0.22 UF +/-20\$, 50V	512962 512368 529925 512350 362749 512970 369074 519157	89536 89536 91293 89536 89536	512962 512368 S9410-0PC 512350 362749 512970	REF 1 1 1 2	
14 C C C C C C C C C C C C C C C C C C C	CAP, CER 47 PF +/-2%, 100V CAP, VAR, 1.5 - 4 PF, 100VDC CAP, CER, 82 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-2%, 50V CAP, CER 0.22 UF +/-20%, 50V	512368 529925 512350 362749 512970 369074 519157	89536 91293 89536 89536	512368 89410-0PC 512350 362749 512970	1 1 1 2	
14 C C C C C C C C C C C C C C C C C C C	CAP, CER 47 PF +/-2%, 100V CAP, VAR, 1.5 - 4 PF, 100VDC CAP, CER, 82 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-2%, 50V CAP, CER 0.22 UF +/-20%, 50V	512368 529925 512350 362749 512970 369074 519157	89536 91293 89536 89536	512368 89410-0PC 512350 362749 512970	1 1 2	
15	CAP, VAR, 1.5 - 4 PF, 100VDC CAP, CER, 82 PF +/-2%, 100V CAP, CER, 27 PF +/-2%, 100V CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-20%, 50V CAP, CER 0.22 UF +/-20%, 50V	529925 512350 362749 512970 369074 519157	91293 89536 89536 89536	S9410-0PC 512350 362749 512970	1 2	
16 C C C C C C C C C C C C C C C C C C C	CAP, CER, 82 PF +/-2\$, 100V CAP, CER, 27 PF +/-2\$, 100V CAP, CER, 56 PF +/-2\$, 100V CAP, CER, 15 PF +/-2\$, 100V CAP, CER 0.22 UF +/-20\$, 50V CAP, CER 0.22 UF +/-20\$, 50V	362749 512970 369074 519157	89536 89536	362749 512970	2	
118 00 00 129 00 122 00 122 00 122 122 122 122 122 12	CAP, CER, 56 PF +/-2%, 100V CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-20%, 50V CAP. CER 0.22 UF +/-20%, 50V	512970 369074 519157	89536	512970		
119 0 120 0 121 0 122 0 123 0 124 0 125 0 126 0 127 0 128 0 129 0 130 0 131 0	CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-20%, 50V CAP. CER 0.22 UF +/-20%, 50V	369074 51915 7			1	
119 0 20 0 21 0 22 0 23 0 24 0 25 0 26 0 27 0 28 0 29 0 30 0	CAP, CER, 15 PF +/-2%, 100V CAP, CER 0.22 UF +/-20%, 50V CAP. CER 0.22 UF +/-20%, 50V	369074 51915 7				
20	CAP, CER 0.22 UF +/-20%, 50V CAP. CER 0.22 UF +/-20%, 50V	519157		369074	1	
21	CAP. CER 0.22 UF +/-20%, 50V				6.	
223 0 224 0 225 0 226 0 227 0 228 0 229 0 230 0		519157	51406	RPE11125U224M50V	REF	
224 0 225 0 226 0 227 0 228 0 229 0 230 0	CAP, CER, 0.01 UF +/-20%, 100V	407 36 1	72982	8121-A100-W5R-103M	2	
224 0 225 0 226 0 227 0 228 0 229 0 230 0	CAP, CER 0.22 UF +/-20%, 50V	519157	51406	RPE111Z5U224M50V	REF	
225 0 226 0 227 0 228 0 229 0 230 0	CAP, CER 0.22 UF +/-20%, 50V	519157			REF	
0226 0 0227 0 0228 0 0229 0 0330 0	CAP. CER 0.22 UF +/-20%. 50V	519157	51406	RPE111Z5U224M50V	REF	
227 0 228 0 229 0 230 0	CAP, CER, 0.01 UF +/-20%, 100V		72982		REF	
229 0 330 0 331 0	CAP, CER, 0.001 UF +/-20\$, 500V	402966	72982	8121-A100-W5R-102M	REF	
329 0 330 0 31 0	CAP, CER 0.22 UF +/-20%, 50V	519157	51406	RPE111Z5U224M50V	REF	
30 C	CAP. CER. 39 PF +/-2%, 100V	512962	_	512962	REF	
:31 0	CAP, CER, 6.8 PF +/-0.25PF, 100V	512327	89536	512327	1	
32 0	CAP, CER, 18 PF +/-2%, 100V	512335		512335	. 1	
	CAP, CER, 27 PF +/-2%, 100V	362749	89536	362749	REF	
122 2	CAP, CER, 39 PF +/-2%, 100V	512962	89536	512962	REF	
	CAP, CER, 39 FF +/-2%, 100V CAP, CER, 68 PF +/-2%, 100V	362756	89536		1	
:34 C	CAP, CER, Q.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF	
36 C	CAP, CER, 0.001 UF +/-20%, 500V	402966		8121-A100-W5R-102M	REF	
37 0	CAR, TA, 6.8 UF +/-20%, 35V	363713	56289	196D685X0035KA1	REF	
29 0	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289	196D685X0035KA1	REF	
	CAP, TA, 6.8 UF +/-20%, 35V	363713			REF	
	CAP, TA, 6.8 UF +/-20%, 35V	363713	56289	196D685X0035KA1	REF	
742 C	CAP, TA, 10 UF +/-20%, 15V	193623	56289	196D106X0015A1	1	
43 C	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5R-102M	REF	
:44 C	CAP, CER, 0.001 UF +/-20%, 500V	402966	72982	8121-A100-W5 R-102M	REF	
	CAP, CER, 100 PF +/-2%, 100V	512848		512848	2	
	CAP, CER, 100 PF +/-2%, 100V	512848		- 512848	REF	
247 C		513226			1	
348 C	CAP, CER, 33 PF +/-2%, 100V	407 36 1	72982	8121-A100-W5R-103M	1	
	CAP, CER, 33 PF +/-25, 100V CAP, CER, 10000 PF +/-20\$, 100V					

Table 6-25. A4A9 Hetrodyne Converter PCB Assembly (cont)

	DESCRIPTION	STOCK NO.	SPLY	MFG PART NO.	QTY	REC OTY	L
CR1	DIODE, ZENER	151505	12969	UZ.87 06	3		1
CR2	DIODE, SMALL SIGNAL		28480	HP3379	ī		1
CR3	DIODE 7FNFR		12969	UZ8706	REF		
CR4	NIONE TENER		12969		REF		
CR5	DIODE, ZENER DIODE, ZENER DIODE, ZENER, 3.9V +/-10%	113316		1N748	1		1
CR6	DIODE, HI-SPEED SWITCHING	203323	04713	1 N4 4 4 8	2		1
CR7	DIODE, HI-SPEED SWITCHING	203323		1N4448	REF		
en (TERMINATION AREAS	203323	04113	144,110			
L1	INDUCTOR COTI 6_THEN	320011	80536	320011	5		
	INDUCTOR, COIL, 6-TURN INDUCTOR, 0.47 UH +/-10\$, 1060 MA	320311	21750	MRO N7	1		
L2	INDUCTOR, 0.47 On 47-103, 1000 FM	320929	24139	rino • 4 (
L3	INDUCTOR, 0.10 UH	257 154	24759	MR-0.10	4		
L4	INDUCTOR, 0.15 UH, 2600 MA	256297	24759	MR0.15	1		
L5	CHOKE, RF, 0.082 UH +/-10%	256297 256289	89536	256289	1		
16		257154	24759	MR-0.10	REF		
.7	INDUCTOR, 0.12 UH +/-10%, 2860 MA	272617	24759	MR0.12	1		
. 0	THINKOTOR O 40 HH	2874Eh	2)1750	MP. 0 10	REF		
L8	INDUCTUR, U. TU UM	257 154 320 9 1 1	24127	MR-0.10			
L9	INDUCTUR, CUIL, 6-TURN	320911		320911	REF		
L10	INDUCTOR, COIL, 6-TURN	320911		320911	REF		
L11	INDUCTOR, COIL, 6-TURN	320911		320911	REF		
L12	INDUCTOR, 0.10 UH INDUCTOR, COIL, 6-TURN INDUCTOR, COIL, 6-TURN INDUCTOR, COIL, 6-TURN INDUCTOR, 0.10 UH	257154	24759	MR-0.10	REF		
L13	INDUCTOR, COIL, 6-TURN INSERTS, BOARD (NOT SHOWN) LABEL, STATIC WARNING (NOT SHOWN) SHIELD (NOT SHOWN)	320911	89536	320911	REF		
1P1	INSERTS, BOARD (NOT SHOWN)	376418	89536	376418	2		
MP2	LABEL. STATIC WARNING (NOT SHOWN)	960530	89536	96 05 3 0	1		
MP3	SHIELD (NOT SHOWN)	463430	89536	463430	1		
MP4	SHIELD (NOT SHOWN)	463455	89536	463455	1		
MP5	SOCKET, TRANSISTOR (NOT SHOWN)	285262	71785	1-33-23-92-045	1		
P1	CONNECTOR RECEPTACEE	522056		50871-1	2		
	TOANGTOTOD D MOC	544030 607005	18324	SD305EE	2		1
Q1	TRANSISION, D-MOS	501303 607005	18324	SD305EE	REF		•
Q2 Q3	CONNECTOR, RECEPTACLE TRANSISTOR, D-MOS TRANSISTOR, D-MOS TRANSISTOR, SI, PNP	35 23 69	12040	2N4403	1		1
		hehood	o ke sa	PUDOO			1
Q4	TRANSISTOR, SI, NPN	454231	04713	Brayo	1		1
Q5	TRANSISTOR, SI, NPN, HIGH FREQUENCY	535013	04713	BFR90 BFR91 CR251-4-5P27K	:		•
R1	RES, DEP. CAR, 27K +/-5%, 1/4W	441501	80031	UN251-4-5P27K	1		
R2	RES, DEP. CAR, 20K +/-5%, 1/4W	441477	80031	CR251-4-5P20K	1		
R3	TRANSISTOR, SI, NPN, HIGH FREQUENCY RES, DEP. CAR, 27K +/-5%, 1/4W RES, DEP. CAR, 20K +/-5%, 1/4W RES, DEP. CAR, 10K +/-5%, 1/4W	148106	80031	CR251-4-5P10K	5	,	
R4			01121	BB6 205	1		
R5	RES. DEP. CAR. 33K +/-5%. 1/4W			CR251-4-5P33K	2		
R6	RES, COMP, 62 +/-10%, 1/8W RES, DEP. CAR, 33K +/-5%, 1/4W RES, VAR, 10K +/-10%, 1/2W				2		
R7	RES, DEP. CAR, 10K +/-5%, 1/4W	148106		CR251-4-5P10K	REF		
R8	RES, DEP. CAR, 1K +/-5%, 1/4W	343426		CR251-4-5P1K	1		
		hh1507	80031	CR251-4-5P3K	2		
R9	RES, DEP. CAR, 3K +/-5%, 1/4W	441527	80031	CR251-4-5P10E	2		
R10	RES, DEP. CAR, 10 +/-5%, 1/4W	340075 348888		CR251-4-5P33K	REF		
R11	RES, DEP. CAR, 33K +/-5%, 1/4W	348888	80031	CR251-4-5F510E	1		
R12	RES, DEP. CAR, 510 +/-5%, 1/4W	441600			1		
R13	RES, DEP. CAR, 82K +/-5%, 1/4W	348912	80031	CR251-4-5P82K	•		
R14	RES, COMP, 4.7M +/-5%, 1/4W	220046	01121	CB4755	1		
R15	RES, DEP. CAR, 10 +/-5\$, 1/4W	340075	80031	CR251-4-5P10E	REF	•	
R16	RES, DEP. CAR, 390 +/-5%, 1/4W	147975	80031	CR251-4-5P390E	1		
R17	RES, COMP, 10 +/-10%, 1/8W	321125		BB1001	2	?	
R18	RES, COMP, 120 +/-5%, 1/8W	513978		BB1215	1		

Table 6-25. A4A9 Hetrodyne Converter PCB Assembly (cont)

R20 RES, DEP. CAR, 3.6K +/-5\$, 1/4W 261826 01121 BB1011 RES, DEP. CAR, 200 +/-5\$, 1/4W 376624 80031 CR251-4-5P240E R25 RES, DEP. CAR, 240 +/-5\$, 1/4W 376624 80031 CR251-4-5P240E R25 RES, DEP. CAR, 240 +/-5\$, 1/4W 376624 80031 CR251-4-5P240E R26 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28 R25, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28 R25, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28 R25, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R29 R29, DEP. CAR, 10K +/-5\$, 1/4W 441527 80031 CR251-4-5P10K R30 RES, DEP. CAR, 34K +/-5\$, 1/4W 441527 80031 CR251-4-5P10K R30 RES, DEP. CAR, 34K +/-1\$, 1/2W 513960 91637 CMF552371F CMF554870F R33 R25, MTL. FILM, 407 +/-1\$, 1/2W 513960 91637 CMF65260F R34 R25, DEP. CAR, 240 +/-5\$, 1/4W 376624 80031 CR251-4-5P240E R35 R29, MTL. FILM, 402K +/-1\$, 1/8W 235325 91637 CMF65260F CR554021F R25 R25, MTL. FILM, 4.02K +/-1\$, 1/8W 235325 91637 CMF552371F CMF554021F R25 CMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28, MTL. FILM, 2.37K +/-1\$, 1/8W 235325 91637 CMF552371F CMF552050F R28, MTL. FILM, 2.37K +/-1\$, 1/8W 235325 91637 CMF552371F R28 R25, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28 R25, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28 R25, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R28 R25, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F R28 R25, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F R28 R25, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F R28 R25, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F R28 R25, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F R26 R25, COMP, 100 +/-10\$, 1/8W 293720 91637 CMF552371F R27 CM7552371F R28 R25, COMP, 100 +/-10\$, 1/8W 293720 91637 CMF552371F R28 R25, COMP, 100 +/-10\$, 1/8W 293720 91637 CM7552371F R28 R25, COMP, 100 +/-10\$, 1/8W 293720 91637 CM7552371F R28 R25, COMP, 100 +/-10\$, 1/8W 293720 91637 CM7552371F R28 R25, COMP, 100 +/-10\$, 1/8W 293720 91637 CM7552371F R25	- 1	1 !
REQ RES, DEP. CAR, 3.6K */-5\$, 1/4W		ш
REQ RES, DEP. CAR, 3.6K 4/-5g, 1/4W 261826 01121 BB1011 RE24 RES, DEP. CAR, 204 -7-5f, 1/4W 411851 80031 CR251-4-5P3K6 RE25 RES, DEP. CAR, 204 -7-5f, 1/4W 411851 80031 CR251-4-5P240E RE26 RES, MTL. FILM, 4.12K +/-1f, 1/8W 266254 01121 BB2705 RE27 RES, DEP. CAR, 10K +7-5f, 1/4W 148106 80031 CR251-4-5P10K RE28 RES, COMP, 27 +/-10f, 1/8W 266254 01121 BB2705 RE29 RES, DEP. CAR, 10K +7-5f, 1/4W 148106 80031 CR251-4-5P10K RE30 RES, DEP. CAR, 10K +7-1f, 1/8W 293720 91637 CMF552371F RE31 RES, MTL. FILM, 2.37K +7-1f, 1/2W 513960 91637 CMF652807F RE32 RES, MTL. FILM, 487 +/-1f, 1/2W 513960 91637 CMF652807F RE34 RES, DEP. CAR, 200 +7-5f, 1/4W 2766254 01121 BB2705 RE55 RES, DEP. CAR, 200 +7-5f, 1/4W 2766254 01121 BB2705 RE56 RES, DEP. CAR, 200 +7-5f, 1/4W 2766254 01121 BB2705 RE57 RES, COMP, 27 +7-10f, 1/8W 276624 080031 CR251-4-5P10K RE58 RES, DEP. CAR, 200 +7-5f, 1/4W 2766254 076624 080031 CR251-4-5P240E RE57 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE58 RES, DEP. CAR, 200 +7-5f, 1/4W 266254 01121 BB2705 RE58 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE58 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE58 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE58 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 RES, COMP, 27 +7-10f, 1/8W 266254 01121 BB2705 RE78 R	REF	
RES, DEP. CAR, 240 +/-5\$, 1/4W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 3K +/-5\$, 1/4W RES, DEP. CAR, 3K +/-1\$, 1/8W RES, MTL. FILM, 2.37K +/-1\$, 1/8W RES, MTL. FILM, 2.37K +/-1\$, 1/2W RES, MTL. FILM, 2.37K +/-1\$, 1/2W RES, MTL. FILM, 2.37K +/-1\$, 1/2W RES, DEP. CAR, 240 +/-5\$, 1/4W RES, DEP. CAR, 251 +4-5P200E RES, MTL. FILM, 2.37K +/-1\$, 1/8W RES, DEP. CAR, 251 +4-5P30E RES, MTL. FILM, 2.37K +/-1\$, 1/8W RES, DEP. CAR, 251 +4-5\$, 1/4W RES, DEP. CAR, 251 +4-5\$, 1/4W RES, DEP. CAR, 251 +4-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/	2	
RES, DEP. CAR, 240 +/-5\$, 1/4W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 3K +/-5\$, 1/4W RES, DEP. CAR, 3K +/-1\$, 1/8W RES, MTL. FILM, 2.37K +/-1\$, 1/8W RES, MTL. FILM, 2.37K +/-1\$, 1/2W RES, MTL. FILM, 2.37K +/-1\$, 1/2W RES, MTL. FILM, 2.37K +/-1\$, 1/2W RES, DEP. CAR, 240 +/-5\$, 1/4W RES, DEP. CAR, 251 +4-5P200E RES, MTL. FILM, 2.37K +/-1\$, 1/8W RES, DEP. CAR, 251 +4-5P30E RES, MTL. FILM, 2.37K +/-1\$, 1/8W RES, DEP. CAR, 251 +4-5\$, 1/4W RES, DEP. CAR, 251 +4-5\$, 1/4W RES, DEP. CAR, 251 +4-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/	2	
RES, DEP. CAR, 240 4/-5%, 1/4W RES, COMP, 27 4/-10%, 1/8W RES, DEP. CAR, 10K 4/-5%, 1/4W RES, DEP. CAR, 240 4/-5%, 1/4W RES, DEP. CAR, 36K 4/-5%, 1/4W RES, DEP. CAR,		
R26 RES, MTL. FILM, 4.12K +/-1\$, 1/8W 265254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5F10K RES, DEP, CAR, 3K +/-5\$, 1/4W 441527 80031 CR251-4-5F10K RES, DEP, CAR, 3K +/-5\$, 1/4W 293720 91637 CMF552371F RES, MTL. FILM, 205 +/-1\$, 1/2W 513960 91637 CMF652605F RES, MTL. FILM, 205 +/-1\$, 1/2W 513960 91637 CMF652605F RES, MTL. FILM, 402K +/-1\$, 1/4W 376624 80031 CR251-4-5F240E RES, MTL. FILM, 402K +/-1\$, 1/8W 265254 01121 BB2705 RES, MTL. FILM, 402K +/-1\$, 1/8W 265254 01121 BB2705 RES, MTL. FILM, 402K +/-1\$, 1/8W 265254 01121 BB2705 RES, MTL. FILM, 402K +/-1\$, 1/8W 265254 01121 BB2705 RES, MTL. FILM, 237K +/-1\$, 1/8W 265254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F RES, COMP, 27 +/-15\$, 1/4W 441451 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 309674 75376 3607-103A RES, DEP, CAR, 50K +/-5\$, 1/4W 34453 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP, CAR, 50K +/-5\$, 1/4	2	
RES, COMP, 27 4/-10%, 1/8W 266254 01121 BB2705 RES, COMP, 27 4/-10%, 1/8W 266254 01121 BB2705 RES, DEP, CAR, 10K 4/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 3K +/-5%, 1/4W 293720 91637 CMF552371F RES, MTL. FILM, 2.37K +/-1%, 1/8W 293720 91637 CMF652050F RES, DEP, CAR, 240 4/-5%, 1/4W 376624 80031 CR251-4-5P240E RES, DEP, CAR, 240 4/-5%, 1/4W 376624 80031 CR251-4-5P240E RES, MTL. FILM, 4.02K +/-1%, 1/2W 513960 91637 CMF652050F RES, DEP, CAR, 240 4/-5%, 1/4W 376624 80031 CR251-4-5P240E RES, DEP, CAR, 240 4/-5%, 1/4W 376624 80031 CR251-4-5P240E RES, DEP, CAR, 200 4/-5%, 1/4W 266254 01121 BB2705 RES, COMP, 27 4/-10%, 1/8W 266254 01121 BB2705 RES, COMP, 27 4/-10%, 1/8W 266254 01121 BB2705 RES, COMP, 27 4/-10%, 1/8W 266254 01121 BB2705 RES, DEP, CAR, 51 4/-5%, 1/4W 41451 80031 CR251-4-5P200E RES, DEP, CAR, 51 4/-5%, 1/4W 309674 75378 3601102 RES, DEP, CAR, 51 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 10K 4/-5%, 1/4W 41451 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343 80031 CR251-4-5P10K RES, DEP, CAR, 50K 4/-5%, 1/4W 412343	2	
RES, COMP, 27 +/-10\$, 1/8W 26625\$ 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 26625\$ 01121 BB2705 RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5F10K RES, DEP, CAR, 3K +/-5\$, 1/4W 293720 91637 CMF552371F RES, MTL. FILM, 205 +/-1\$, 1/2W 513960 91637 CMF652605F RES, MTL. FILM, 40-75\$, 1/4W 376624 80031 CR251-4-5F240E RES, DEP, CAR, 240 +/-5\$, 1/4W 376624 80031 CR251-4-5F240E RES, DEP, CAR, 200 +/-5\$, 1/4W 376624 80031 CR251-4-5F240E RES, DEP, CAR, 200 +/-5\$, 1/4W 26625\$ 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 26625\$ 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 26625\$ 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 293720 91637 CMF552371F RES, DEP, CAR, 50K +/-5\$, 1/4W 44454 80031 CR251-4-5F51E RES, BEP, CAR, 50K +/-5\$, 1/4W 442343 80031 CR251-4-5F10K RES, DEP, CAR, 3.6K +/-5\$, 1/4W 442343 80031 CR251-4-5F10K RES, DEP, CAR, 3.6K +/-5\$, 1/4W 442343 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 442343 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 442343 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 442343 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$, 1/4W 342642 80031 CR251-4-5F10K RES, DEP, CAR, 50K +/-5\$,	1	
RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, DEP. CAR, 10K +/-5\$, 1/4W 41527 80031 CR251-4-5P10K RES, DEP. CAR, 3K +/-5\$, 1/4W 41527 80031 CR251-4-5P3K RES, MTL. FILM, 2.37K +/-1\$, 1/8W 293720 91637 CMF552371F CMF654870F RES, MTL. FILM, 205 +/-1\$, 1/2W 150797 91637 CMF654870F RES, DEP. CAR, 240 +/-5\$, 1/4W 376624 80031 CR251-4-5P240E RES, MTL. FILM, 4.02K +/-1\$, 1/8W 235325 91637 CMF552371F RES, MTL. FILM, 4.02K +/-1\$, 1/8W 235325 91637 CMF552050F RES, MTL. FILM, 4.02K +/-1\$, 1/8W 235325 91637 CMF554021F RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 -/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 -/-10\$, 1/8W 293720 91637 CMF552371F RES, DEP. CAR, 510 +/-5\$, 1/4W 314540 80031 CR251-4-5P51E RES, DEP. CAR, 510 +/-5\$, 1/4W 314540 80031 CR251-4-5P51E RES, DEP. CAR, 510 +/-5\$, 1/4W 314540 80031 CR251-4-5P51E RES, COMP, 27 -/-10\$, 1/2W 309674 75378 360T-103A RES, DEP. CAR, 10K +/-10\$, 1/2W 309674 75378 360T-103A RES, DEP. CAR, 560K +/-5\$, 1/4W 342343 80031 CR251-4-5P510K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P50K RES, DEP. CAR, 560K	4	
RES, DEP. CAR, 10K +/-5%, 1/4W 41527 80031 CR251-4-5P10K RES, DEP. CAR, 3K +/-1%, 1/8W 293720 91637 CMF552371F RES, MTL. FILM, 2.37K +/-1%, 1/2W 150797 91637 CMF654870F RES, MTL. FILM, 2.37K +/-1%, 1/2W 150797 91637 CMF654870F RES, MTL. FILM, 205 +/-1%, 1/2W 150797 91637 CMF654870F RES, MTL. FILM, 205 +/-1%, 1/2W 150797 91637 CMF654870F RES, MTL. FILM, 4.02K +/-1%, 1/8W 275625 91637 CMF6548070F RES, MTL. FILM, 4.02K +/-1%, 1/8W 275625 91637 CMF6548021F RES, MTL. FILM, 4.02K +/-1%, 1/8W 275625 91637 CMF654021F RES, COMP, 27 +/-10%, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10%, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10%, 1/8W 266254 01121 BB2705 RES, MTL. FILM, 2.37K +/-1%, 1/8W 293720 91637 CMF552371F RES, DEP. CAR, 51 +/-5%, 1/4W 414540 80031 CR251-4-5P51E RES, MTL. FILM, 210, +/-1%, 1/2W 309674 75378 3607-103A RES, DEP. CAR, 10K +/-5%, 1/4W 414540 80031 CR251-4-5P51E RES, DEP. CAR, 10K +/-5%, 1/4W 414540 80031 CR251-4-5P510K RES, DEP. CAR, 10K +/-5%, 1/4W 414540 80031 CR251-4-5P510K RES, DEP. CAR, 51 64 64 68 80031 CR251-4-5P510K RES, DEP. CAR, 51 64 64 68 80031 CR251-4-5P506K RES, DEP. CAR, 56 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 56 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 56 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 56 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 10K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P560K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P10K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P10K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P10K RES, DEP. CAR, 50 6K +/-5%, 1/4W 414540 80031 CR251-4-5P10K RES, DEP. CAR, 50 6K +/-5%, 1/4W 41454	REF	
R31 RES, MTL. FILM, 2.37K +/-1\$, 1/8W 293720 91637 CMF552371F R32 RES, MTL. FILM, 487 +/-1\$, 1/2W 513960 91637 CMF652850F R33 RES, MTL. FILM, 205 +/-1\$, 1/2W 513960 91637 CMF652050F R34 RES, DEP. CAR, 240 +/-5\$, 1/4W 235325 91637 CMF554021F R35 RES, COMP, 27 +/-10\$, 1/8W 235325 91637 CMF554021F R36 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R37 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 R88, DEP. CAR, 501 +/-5\$, 1/4W 41451 80031 CR251-4-5P200E R89, MTL. FILM, 2.37K +/-1\$, 1/8W 293720 91637 CMF552371F R89, DEP. CAR, 51 +/-5\$, 1/4W 414540 80031 CR251-4-5P51E R81 RES, MTL. FILM, 2.10, +/-1\$, 1/2W 513952 91637 CMF552371F R82 CAR, 10K +/-1\$, 1/2W 309674 75378 360T-103A R83 RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P10K R84 RES, DEP. CAR, 3.6K +/-5\$, 1/4W 442343 80031 CR251-4-5P366 R85 DEP. CAR, 3.6K +/-5\$, 1/4W 442343 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R85 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R86 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R87 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R88 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R89 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R89 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R89 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R89 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R89 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031 CR251-4-5P366 R89 DEP. CAR, 10K +/-5\$, 1/4W 342642 80031	REF	
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RES, MTL. FILM, 487 +/-1\$, 1/2W RES, DEP. CAR, 240 +/-5\$, 1/4W RES, DEP. CAR, 240 +/-5\$, 1/4W RES, DEP. CAR, 200 +/-5\$, 1/4W RES, COMP, 27 +/-10\$, 1/8W RES, DEP. CAR, 240 +/-5\$, 1/4W RES, COMP, 27 +/-10\$, 1/8W RES, DEP. CAR, 240 +/-5\$, 1/4W RES, COMP, 27 +/-10\$, 1/8W RES, COMP, 27 +/-10\$, 1/8W RES, DEP. CAR, 51 +/-5\$, 1/4W RES, DEP. CAR, 10K +/-1\$, 1/2W RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 56K +/-5\$, 1/4W RES, DEP. CAR, 56K +/-5\$, 1/4W RES, DEP. CAR, 56K +/-5\$, 1/4W RES, DEP. CAR, 10K +	2	
RES, MTL. FILM, 205 +/-1\$, 1/2W 376624 80031 CR251-4-5P240E RES, DEP. CAR, 240 +/-5\$, 1/4W 376624 80031 CR251-4-5P240E RES, MTL. FILM, 4.02K +/-1\$, 1/8W 235325 91637 CMF652050F RES, CMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, MTL. FILM, 237K +/-1\$, 1/8W 293720 91637 CMF652371F RES, DEP. CAR, 51 +/-5\$, 1/4W 414540 80031 CR251-4-5P51E RES, DEP. CAR, 51 +/-5\$, 1/4W 414540 80031 CR251-4-5P51E RES, DEP. CAR, 10K +/-10\$, 1/2W 309674 75376 360T-103A RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P10K RES, DEP. CAR, 3.6K +/-5\$, 1/4W 442343 80031 CR251-4-5P566K RES, DEP. CAR, 560K +/-5\$, 1/4W 442343 80031 CR251-4-5P566K RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P566K RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 512889 00779 62395-1 CONNECTOR, TEST POINT 512889 007	1	
RES, DEP. CAR, 240 4/-5\$, 1/4W RES, MTL. FILM, 4.02K +/-1\$, 1/8W RES, MTL. FILM, 4.02K +/-1\$, 1/8W RES, DEP. CAR, 200 4/-5\$, 1/4W RES, COMP, 27 +/-10\$, 1/8W RES, COMP, 27 +/-10\$, 1/8W RES, COMP, 27 +/-10\$, 1/8W RES, DEP. CAR, 51 +/-5\$, 1/4W RES, DEP. CAR, 10K +/-1\$, 1/2W RES, DEP. CAR, 10K +/-1\$, 1/2W RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 3.6K +/-5\$, 1/4W RES, DEP. CAR, 3.6K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/4W RES,	i	
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R36 RES, DEP. CAR, 200 +/-5%, 1/4W 266254 01121 BB2705 RES, COMP, 27 +/-10%, 1/6W 266254 01121 BB2705 RES, COMP, 27 +/-10%, 1/6W 266254 01121 BB2705 RES, COMP, 27 +/-10%, 1/6W 266254 01121 BB2705 RES, DEP. CAR, 51 +/-5%, 1/4W 293720 91637 CMF552371F RES, DEP. CAR, 51 +/-5%, 1/4W 414540 80031 CR251-4-5P51E R41 RES, MTL. FILM, 210, +/-1%, 1/2W 309674 75378 360T-103A R42 RES, VAR, 10K +/-10%, 1/2W 309674 75378 360T-103A R43 RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K R44 RES, DEP. CAR, 3.6K +/-5%, 1/4W 342642 80031 CR251-4-5P366 RES, COMP, 100 +/-10%, 1/8W 342642 80031 CR251-4-5P560K R46 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 R48 RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K R48 RES, DEP. CAR, 10K +/-5%, 1/4W 342642 80031 CR251-4-5P10K R48 RES, DEP. CAR, 10K +/-5%, 1/4W 342642 80031 CR251-4-5P560K R46 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 R47 CONNECTOR, TEST POINT 512889 00779 62395-1 R48 CONNECTOR, TEST POINT 512889 00779 62395-1 R49 CONNECTOR, TEST POINT 512889 00779 62395-1 R49 CONNECTOR, TEST POINT 512889 00779 62395-1 R40 CABLE ASSEMBLY 526715 89536 526715 R40 CABLE ASSEMBLY 526723 89536 526715 R40 CABLE ASSEMBLY 526715 89536 526715 R41 R42 CABLE ASSEMBLY 526715 89536 526715 R42 CABLE ASSEMBLY 526715 89536 526715 R43 CABLE ASSEMBLY 526715 89536 526715 R44 CABLE ASSEMBLY 526715 89536 526715 R45 CABLE ASSEMBLY 526723 89536 526715 R46 CABLE ASSEMBLY 526715 89536 526715 R47 CABLE ASSEMBLY 526715 89536 526715 R48 CABLE ASSEMBLY 526715 89536 526715 R49 CABLE ASSEMBLY 526723 89536 526715 R40 CABLE ASSEMBLY 526723 89536 526715 R40 CABLE ASSEMBLY 526723 89536 526715 R40 CABLE ASSEMBLY 526723 89536 526715 R41 CABLE ASSEMBLY 526723 89536 526715 R42 CABLE ASSEMBLY 526723 89536 526715		
RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, DEP, CAR, 51 +/-5\$, 1/4W 293720 91637 CMF552371F RES, DEP, CAR, 51 +/-5\$, 1/4W 414540 80031 CR251-4-5P51E RA1 RES, MTL. FILM, 210, +/-1\$, 1/2W 309674 75378 360T-103A RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA2 RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP, CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P3K6 RES, DEP, CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P560K RA6 RES, COMP, 100 +/-10\$, 1/8W 261826 01121 BB1011 RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 261826 01121 BB1011 RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 560K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 50K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 50K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 50K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 50K +/-5\$, 1/4W 148106 80031 CR251-4-5P360K RES, DEP, CAR, 50K +/-5\$, 1/4W 148106	1	
RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, COMP, 27 +/-10\$, 1/8W 266254 01121 BB2705 RES, MTL. FILM, 2.37K +/-1\$, 1/8W 293720 91637 CMF552371F RES, DEP. CAR, 51 +/-5\$, 1/4W 414540 80031 CR251-4-5P51E REAL RES, MTL. FILM, 210, +/-1\$, 1/2W 309674 75378 360T-103A RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 442343 80031 CR251-4-5P3K6 RES, DEP. CAR, 3.6K +/-5\$, 1/4W 342642 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5\$, 1/4W 261826 01121 BB1011 RES RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RES	REF	
RES, COMP, 27 */-10\$, 1/8W 266254 01121 BB2705 RES, MTL. FILM, 2.37K */-1\$, 1/8W 293720 91637 CMF552371F RES, DEP. CAR, 51 */-5\$, 1/4W 414540 80031 CR251-4-5P51E RA1 RES, MTL. FILM, 210, */-1\$, 1/2W 309674 75378 360T-103A RES, DEP. CAR, 10K */-5\$, 1/4W 148106 80031 CR251-4-5P10K RA1 RES, DEP. CAR, 10K */-5\$, 1/4W 442343 80031 CR251-4-5P3K6 RA15 RES, DEP. CAR, 3.6K */-5\$, 1/4W 442343 80031 CR251-4-5P3K6 RA15 RES, DEP. CAR, 560K */-5\$, 1/4W 342642 80031 CR251-4-5P560K RA16 RES, DEP. CAR, 560K */-5\$, 1/4W 342642 80031 CR251-4-5P560K RA16 RES, DEP. CAR, 10K */-5\$, 1/4W 261826 01121 BB1011 CONNECTOR, TEST POINT 512889 00779 62395-1 CONNECTOR, TEST POINT 512889 00779	REF	
RES, MTL. FILM, 2.37K +/-1\$, 1/8W 293720 91637 CMF552371F RES, DEP. CAR, 51 +/-5\$, 1/4W 414540 80031 CR251-4-5P51E RA1 RES, MTL. FILM, 210, +/-1\$, 1/2W 309674 75378 3607-103A RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA3 RES, DEP. CAR, 3.6K +/-5\$, 1/4W 442343 80031 CR251-4-5P3K6 RA45 RES, DEP. CAR, 3.6K +/-5\$, 1/4W 342642 80031 CR251-4-5P3K6 RA55 RES, DEP. CAR, 560K +/-5\$, 1/4W 342642 80031 CR251-4-5P3K6 RA66 RES, COMP, 100 +/-10\$, 1/8W 261826 01121 BB1011 RA88 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P560K RA61 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA62 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P560K RA65 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA67 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P560K RA68 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P560K RA69 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA69 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P560K RA60 RES, COMP, 100 +/-10\$, 1/8W 261826 01721 BB1011 RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10K RA60 RES, DEP. CAR, 10K +/-5\$, 1/4W 148106 80031 CR251-4-5P10	REF	
RAII RES, MTL. FILM, 210, +/-1%, 1/2W 30957 75378 360T-103A RES, VAR, 10K +/-10%, 1/2W 30957 75378 360T-103A RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 3.6K +/-5%, 1/4W 442343 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 342642 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 342642 80031 CR251-4-5P3K6 RES, DEP. CAR, 10K +/-5%, 1/4W 342642 80031 CR251-4-5P3K6 RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES, DEP. CAR, 560K +/-5%, 1/4W 148106 80031 CR251-4-5P3K6 RES,	REF	
RES, DEP. CAR, 10K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 10K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 16W +/-5%,	1	
RES, DEP. CAR, 10K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 10K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 3.6K +/-5%, 1/4W RES, DEP. CAR, 560K +/-5%, 1/4W RES, DEP. CAR, 16W +/-5%,	1	
RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 3.6K +/-5\$, 1/4W RES, DEP. CAR, 3.6K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 10K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 3.6K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 3.6K +/-5\$, 1/4W RES, DEP. CAR, 560K +/-5\$, 1/4W RES, DEP. CAR, 10/4W RES, DEP. C	REF	
RES, DEP. CAR, 560K +/-5%, 1/4W RES, COMP, 100 +/-10%, 1/8W RES, DEP. CAR, 10K +/-5%, 1/4W	REF	
R45 RES, DEP. CAR, 560K +/-5%, 1/4W R46 RES, COMP, 100 +/-10%, 1/8W RES, DEP. CAR, 10K +/-5%, 1/4W RES, DEP. CAR, 10K +/-5%	REF	
R46 RES, COMP, 100 +/-10%, 1/8W 261826 01121 BB1011 R48 RES, DEP. CAR, 10K +/-5%, 1/4W 148106 80031 CR251-4-5P10K RP1 CONNECTOR, TEST POINT 512889 00779 62395-1 RP2 CONNECTOR, TEST POINT 512889 00779 62395-1 RP3 CONNECTOR, SOCKET 352450 98291 51-051-0000 RP5 CONNECTOR, TEST POINT 512889 00779 62395-1 RP6 CONNECTOR, TEST POINT 512889 00779 62395-1 RP7 CONNECTOR, TEST POINT 512889 00779 62395-1 RP8 CONNECTOR, TEST POINT 512889 00779 62395-1 RP9 CONNECTOR, TEST POINT F1889 00779 62395-1 RP9 CONNECTOR, TEST POINT F189 00779 62395-1 RP9 CONN	1	
CONNECTOR, TEST POINT 11		
CONNECTOR, TEST POINT 174 CONNECTOR, SOCKET 175 CONNECTOR, TEST POINT 176 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 176 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 178 CONNECTOR, TEST POINT 179 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 171 CONNECTOR, TEST POINT 171 CONNECTOR, TEST POINT 172 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT	REF	
CONNECTOR, TEST POINT 174 CONNECTOR, SOCKET 175 CONNECTOR, TEST POINT 176 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 176 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 178 CONNECTOR, TEST POINT 179 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 171 CONNECTOR, TEST POINT 171 CONNECTOR, TEST POINT 172 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT	REF	
CONNECTOR, TEST POINT 11	5	
CONNECTOR, TEST POINT 174 CONNECTOR, SOCKET 175 CONNECTOR, TEST POINT 176 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 176 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 177 CONNECTOR, TEST POINT 178 CONNECTOR, TEST POINT 179 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT 171 CONNECTOR, TEST POINT 171 CONNECTOR, TEST POINT 172 CONNECTOR, TEST POINT 170 CONNECTOR, TEST POINT	REF	
TP5 CONNECTOR, TEST POINT 512889 00779 62395-1 TP6 CONNECTOR, TEST POINT 512889 00779 62395-1 TI IC, LIN, OP AMP 381889 12040 LM201AH TIC, MIXER, DOUBLE BALANCED 529917 15542 TAK-1WH TAK-1WH CABLE ASSEMBLY 526715 89536 526715 CABLE ASSEMBLY 526723 89536 526723 TAK-1WH TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	REF	
TP5 CONNECTOR, TEST POINT 512889 00779 62395-1 TP6 CONNECTOR, TEST POINT 512889 00779 62395-1 TI IC, LIN, OP AMP 381889 12040 LM201AH TIC, MIXER, DOUBLE BALANCED 529917 15542 TAK-1WH TAK-1WH CABLE ASSEMBLY 526715 89536 526715 CABLE ASSEMBLY 526723 89536 526723 TAK-1WH TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	1	
### CABLE ASSEMBLY 526715 89536 526715 CABLE ASSEMBLY 526715 89536	REF	
1	REF	
IC, MIXER, DOUBLE BALANCED 529917 15542 TAK-1WH CABLE ASSEMBLY CABLE ASSEMBLY CABLE ASSEMBLY CABLE ASSEMBLY CABLE ASSEMBLY 526715 89536 526723 89536 526715 1 R19 RESISTOR IS ALSO USED FOR TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	1	1
CABLE ASSEMBLY CABLE ASSEMBLY 526723 89536 526715 1 R19 RESISTOR IS ALSO USED FOR TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	1	i
CABLE ASSEMBLY CABLE ASSEMBLY 526723 89536 526715 1 R19 RESISTOR IS ALSO USED FOR TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	•	
A46 CABLE ASSEMBLY 526715 89536 526715 1 R19 RESISTOR IS ALSO USED FOR TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	2	
1 R19 RESISTOR IS ALSO USED FOR TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	1 REF	
TESTING ALIGNMENT (WITH TP4). USE IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE	REP	
IN THE DOTTED POSITION FOR THIS ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE		
ADJUSTMENT AS SHOWN IN FIGURE 5-25 ALSO SEE A4A9 ADJUSTMENT PROCEDURE		
ALSO SEE A4A9 ADJUSTMENT PROCEDURE		
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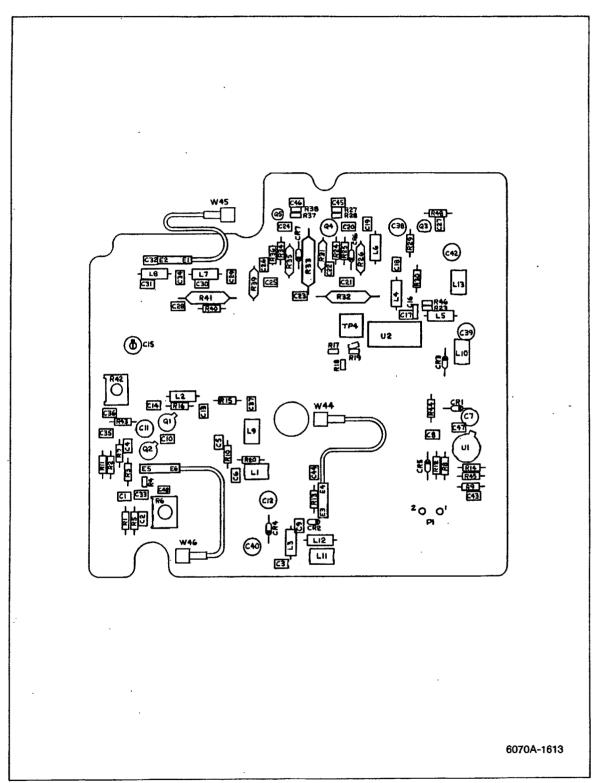


Figure 8-25. A4A9 Hetrodyne Converter PCB Assembly

14A10Ø	MOD. DISTRIBUTION PCB ASSEMBLY		CODE		QTY	QTY
	FIGURE 6-26 (6070A-4014T)	463570	89536	463570	REF	
	CAP, TA, 47 UF +/-20\$, 20V CAP, TA, 47 UF +/-20\$, 20V	348516 348516	56289 56289	196D476X0020KE4 196D476X0020KE4	2 REF	
3	CAP, CER, 0.22 UF +/-20\$, 50V	309849	71590	CW30C224K	11	
4	CAP. CER. 0.22 UF +/-20\$. 50V			CW30C224K	REF	
5	CAP, PLASTIC, 0.027 UF +/-10%, 250V			C280AE/A27K	1	
5	CAP, CER, 0.22 UF +/-20%, 50V	309849			REF	
7	CAP, CER, 150 PF +/-5%, 100V	512988	89536	512988	2	
3	CAP, MYLAR, 0.01 UF +/-10%, 250V	325548	73445	C280MAE/A10K	1	
9		528521	89536		1	
10	CAP, CER, 750 PF +/-5\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V CAP, TA, 10 UF +/-20\$, 15V			CW30C224K	REF	
11		193623		196D106X0015A1	12	
12	CAP, TA, 10 UF +/-20\$, 15V	193623	56289	196D106X0015A1	REF	
13	CAP, VAR, 4.5 - 50 PF 250V	321117	73899	DVJ305A	. 1	
15	CAP, CER, 22 PF +/-2%, 100V	512871	89536	512871	. 3	
16	CAP, CER, 10 PF +/-2%, 100V	512343	89536	512343	2	
17	CAP, CER, 10 PF +/-2%, 100V	512343		512343 cuancaalik	REF REF	
18	CAP, CER, 0.22 UF +/-20%, 50V	309049	11590	CW30C224K	MDI	
19	CAP, CER, 22 PF +/-2%, 100V	512871		512871	REF	
20	CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V			CW30C224K	REF	
21	CAP, CER, 0.22 UF +/-20%, 50V			CW30C224K	REF	
22 23	CAP, TA, 10 UF +/-20\$, 15V CAP, CER, 12 PF +/-2\$, 100V	193623 376871		196D106X0015A1 376871	REF 1	
23	ORF, OBR, 12 IF 47-28, 1001	3,00,.	0,550	5,007.		
24	CAP, CER, 150 PF +/-5%, 100V	512988			REF	
25	CAP, CER, 22 PF +/-2%, 100V			512871	REF	
26	CAP, CER, 0.22 UF +/-20%, 50%			CW30C224K CW30C224K	REF REF	
27 28	CAP, CER, 22 PF +/-2\$, 100V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V CAP, CER, 0.22 UF +/-20\$, 50V			CW30C224K	REF	
. •	· · · · · · · · · · · · · · · · · · ·					
29	CAP, CER, 0.22 UF +/-20%, 50V	309849	71590		REF REF	
30	CAP, CER, 0.22 UF +/-20%, 50V	309849		CW30C224K 362731	лег 1	
31	CAP, CER, 2.2 Pr +/-2%, 100V	362731 193623		196D106X0015A1	REF	
32 33	CAP, CER, 0.22 UF +/-20%, 50V CAP, CER, 0.22 UF +/-20%, 50V CAP, CER, 2.2 PF +/-2%, 100V CAP, TA, 10 UF +/-20%, 15V CAP, TA, 10 UF +/-20%, 15V	193623	56289	196D106X0015A1	REF	
			=6.00	40604068604544	nee	
34	CAP, TA, 10 UF +/-20\$, 15V	193623		196D106X0015A1	REF REF	
35	CAP, TA, 10 UF +/-20%, 15V	193623 193623			REF	
36 37	CAP, TA, 10 UF +/-20\$, 15V CAP, TA, 10 UF +/-20\$, 15V	193623	56289	196D106X0015A1	REF	
88	CAP, TA, 10 UF +/-20%, 15V	193623		196D106X0015A1	REF	
		40000	EC 000	10674064004511	Dee	
39	CAP, TA, 10 UF +/-20\$, 15V	193623 193623		196D106X0015A1 196D106X0015A1	REF REF	
10	CAP, TA, 10 UF +/-20\$, 15V DIODE, SMALL SIGNAL	313247	28484		4	1
12 13	DIODE, SMALL SIGNAL	313247	28484		REF	
14	DIODE, SMALL SIGNAL	313247	28484	HP5082-6264	REF	
	DIONE UI COFFD CUITCUING	202222	07010	1 N4448	3	1
15 26	DIODE, HI-SPEED SWITCHING DIODE, HI-SPEED SWITCHING	203323 203323	07910 07910	1114448	REF	•
R6 R7	DIODE, HI-SPEED SWITCHING	203323			REF	
88	DIODE, ZENER	357848			1	1
110	DIODE, SMALL SIGNAL	313247	28484		REF	

Table 6-26, A4A10 Modulator Distribution PCB Assembly (cont)

Q3 TRANSISTOR, J-FET	REF DES	DESCRIPTION	FLUKE Stock No.	MFG SPLY CDDE	MFG PART NO.	TOT QTY	
BUSS WIRE, #22	E1	BUSS WIRE. #22	115469	89536	115469	AR	
SOCKET, IC, 14-PIN						REF	
CONNECTOR			276527	91507	314-AG39D	1	
ONNECTOR, POST 267500 00779 86144-2 27 BE CONNECTOR, POST 267500 00779 86144-2 REF 19 CONNECTOR, 6-PIN 512178 27264 09-80-1063 1 110 CONNECTOR, RF, SMB 512095 16733 702033 3 111 CONNECTOR, RF, SMB 512095 16733 702033 3 112 CONNECTOR, RF, SMB 512095 16733 702033 REF 112 CONNECTOR, RF, SMB 512095 16733 702033 REF 113 CONNECTOR, RF, SMB 512095 16733 702033 REF 114 CONNECTOR, RF, SMB 512095 16733 702033 REF 115 CONNECTOR, RF, SMB 512095 16733 702033 REF 116 RELAY, SPST 461434 15636 R7254-1 REF 117 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 118 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 118 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 119 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 110 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 111 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 112 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 113 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 114 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 115 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 116 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 117 INDUCTOR, COIL, 6-TURN 320911 85956 R7254-1 REF 118 INDUCTOR, COIL, 6-TURN REF 119 INDUCTOR, COIL, 6-TURN REF 110 INDUCTOR, COIL, 6-TURN REF 111 INDUCTOR, COIL, 6-TU						1	
CONNECTOR, 6-PIN						27	
10 CONNECTOR, RF, SMB	J8	CONNECTOR, POST				REF	
COMMECTOR, RF, SMB	J9	•	512178	27264	09-80-1063	1	
J11	J10	CONNECTOR, RF, SMB	512095	16733	702033	3	
REF CONNECTOR, RF, SMB 512095 16733 702033 REF	J11	CONNECTOR, RF, SMB	512095	16733	702033	REF	
RELAY, SPST RESP R	J12		512095	16733	702033	REF	
RELAY, SPST AG1H34 15636 R7254-1 REF	K1	RELAY, SPST	461434	15636	R7254-1	3	
INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF	K2	RELAY, SPST	461434	15636	R7254-1	REF	
L1 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L2 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L3 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L4 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L5 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L6 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 26 L8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF L8 COMPONEN			46 1434	15636	R7254-1	REF	
L2 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L3 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L4 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L5 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF L5 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF P1 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 26 P2 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P3 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P4 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P9 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P9 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P1 TRANSISTOR, J-FET 103059 35930 283053 1 P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD	-		320911	89536	320911	5	
INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF			320911	89536	320911	REF	
LÀ INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF P1 INDUCTOR, COIL, 6-TURN 320911 89536 320911 REF P1 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 26 P2 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P3 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P4 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 RES, FIELD EFFECT 477729 18324 SD213EE REF P8 REF P8 REF MELD EFFECT 477729 18324 SD213EE REF P8 REF P8 REF MELD EFFECT 477729 18324 SD213EE REF P8 REF P8 REF MELD EFFECT 477729 18324 SD213EE REF P8 RES, DEP. CAR, 16 +/-5\$, 1/4W 34346 80031 CR251-4-5P1K 22 REF P8 RES, DEP. CAR, 16 +/-5\$, 1/4W 34346 80031 CR251-4-5P1K 22 REF P8 RES, DEP. CAR, 16 +/-5\$, 1/4W 348839 80031 CR251-4-5P1K 22 REF P8 RES, DEP	L3	INDUCTOR, COIL, 6-TURN	320911	89536	320911		
P1 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 26 P2 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P3 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P4 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P9 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P9 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE P9 S0871-1 REF P9 S0871-1 REF P9 S0871-1 REF P9 S0871-1	L4	INDUCTOR, COIL, 6-TURN	320911	89536	320911		
P2 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P3 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P4 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P9 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P1 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P1 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P2 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P4 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P8 REF CAR, SPRING TYPE 544056 00779 50871-1 REF P8 REF, DEP, CAR, IK +/-5%, 1/4W 343426 80031 CR251-4-5PIK 2 P8 RES, DEP, CAR, IK +/-5%, 1/4W 343426 80031 CR251-4-5PIK 2 P8 RES, DEP, CAR, IK +/-5%, 1/4W 343438 80031 CR251-4-5PIK 2 P8 RES, DEP, CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5PIK 2 P8 RES, DEP, CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5PIK 2 P8 RES, DEP, CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5PIK 2 P8 RES, DEP, CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5PIK 3 P8 RES, DEP, CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5PIK 4 P8 RES, DEP, CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5PIK 4 P8 RES, MTL, FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF554041F 1 P8 RES, MTL, FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF554041F 1 P8 RES, MTL, FILM, 1.65K +/-1%, 1/8W 329613 89536 325613 REF P8 RES, WAR, 500 +/-10%, 1/2W 325613 89536 325613 REF P8 RES, MTL, FILM, 1.65K +/-1%, 1/8W 348409 91637 CMF554050F 1 P8 RES, MTL, FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF554050F 1 P8 RES, MTL, FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF554050F 1 P8 RES, MTL, FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF554050F 1 P8 RES, MTL, FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF554050F 1 P8 RES, MTL, FILM, 10.0K +/-1%, 1/8W 348409 9	L5	INDUCTOR, COIL, 6-TURN	320911	89536	320911		
P3 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P4 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P6 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P7 COMPONENT LEAD, SPRING TYPE	P1	COMPONENT LEAD, SPRING TYPE	544056	00779	50871-1		
PR COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF Q1 TRANSISTOR, SI, NPN 150359 95303 283053 1 1 TRANSISTOR, J-FET 413690 21845 F5488 2 2	P 2	COMPONENT LEAD, SPRING TYPE	544056	00779	50871-1	REF	
PH COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF Q1 TRANSISTOR, SI, NPN 150359 95303 2N3053 1 1	P3	COMPONENT LEAD, SPRING TYPE	544056	00779	50871-1		
P5 COMPONENT LEAD, SPRING TYPE 544056 00779 50871-1 REF Q1 TRANSISTOR, SI, NFN 150359 95303 283053 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			544056	00779	50871-1		
Q1 TRANSISTOR, SI, NFN 150359 95303 283053 1 Q3 TRANSISTOR, J-FET 413690 21845 F5488 2 Q4@ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q6@ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q6@ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q6@ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q8@ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q10@ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, FIELD EFFECT 477729 <	P5	COMPONENT LEAD, SPRING TYPE	544056	00779	50871-1	REF	
Q3 TRANSISTOR, J-FET 413690 21845 F5488 2 Q40 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE 6 Q60 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q60 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q70 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q80 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q100 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1.5K +/-5%, 1/4W 343418 80031 CR251-4-5P1K REF R3 RES, DEP. CAR, 1.5K +/-5%, 1/4W 348813 80031 CR251-4-5P1K5 2 R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348839 80031 CR251-4-5P1K5 2 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P1OK 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P1OK 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P1OK 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P1OK REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 293670 91637 CMF551621F 1 R10 RES, MTL. FILM, 4.82K +/-1%, 1/8W 293670 91637 CMF551631 1 R11 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 34819 91637 CMF551631 1 R16 RES, MTL. FILM, 845 +/-1%, 1/8W 34819 91637 CMF551631 1 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 34819 91637 CMF551631 1 R18 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R17 RES, MTL. FILM, 412K +/-1%, 1/8W 34819 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F	Q1		150359	95303	2N3053	1	1
CGØ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF QGØ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF QGØ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF QGØ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q10 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1.5K +/-5%, 1/4W 343818 80031 CR251-4-5P1K 2 R4 RES, DEP. CAR, 10K +/-5%, 1/4W 348813 80031 CR251-4-5P1K 2 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DE	Q3	TRANSISTOR, J-FET	413690	21845	F5488	2	1
C5⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q6⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q7⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q8⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q10⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K+/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1.5K+/-5%, 1/4W 343418 80031 CR251-4-5P1K 2 R4 RES, DEP. CAR, 10K+/-5%, 1/4W 348813 80031 CR251-4-5P1K 2 R6 RES, DEP. CAR, 10K+/-5%, 1/4W 348839 80031 CR251-4-5P1K 4 R6 RES, DEP. CAR, 10K+/-5%, 1/4W 348839 80031 CR251-4-5P1K 4 R6 RES, DEP. CAR	0400	TRANSISTOR, FIELD EFFECT	477729	18324	SD213EE	6	2
Q6⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q7⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q8⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q8⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q10⊕ TRANSISTOR, J-FET 413690 21845 F5488 REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF REF R1 RES, DEP. CAR, 1K +/-5%, 1/4₩ 343426 80031 CR251-4-5P1K R2 R2 RES, DEP. CAR, 1K +/-5%, 1/4₩ 343426 80031 CR251-4-5P1K R2			477729	18324	SD213EE	REF	
Q7⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q8⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q10⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1.5K +/-5%, 1/4W 343818 80031 CR251-4-5P1K 2 R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348813 80031 CR251-4-5P1K 2 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P1K 2 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P1K 2 R6 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R7 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293662 91637 CMF554321F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551631 1 <t< td=""><td> =</td><td>TRANSISTOR, FIELD EFFECT</td><td>477729</td><td>18324</td><td>SD213EE</td><td>REF</td><td></td></t<>	=	TRANSISTOR, FIELD EFFECT	477729	18324	SD213EE	REF	
Q8⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q10⊕ TRANSISTOR, FIELD EFFECT 477729 18324 SD213EE REF Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K REF R3 RES, DEP. CAR, 1.5K +/-5%, 1/4W 348813 80031 CR251-4-5P1K5 2 R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348813 80031 CR251-4-5P1K5 2 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF55441F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF551821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551631 1 R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 348409 91637 CMF55423F 1 R16 RES, MTL. FILM, 845 +/-1%, 1/8W 348409 91637 CMF55423F 1 R17 RES, MTL. FILM, 845 +/-1%, 1/8W 348409 91637 CMF55423F 1 R18 RES, MTL. FILM, 845 +/-1%, 1/8W 348409 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF551002F REF R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF551002F REF R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF551002F REF R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 348409 91637 CMF551002F REF		•				REF	
Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K REF R3 RES, DEP. CAR, 1.5K +/-5%, 1/4W 343418 80031 CR251-4-5P1K REF R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348813 80031 CR251-4-5P1K5 2 R4 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF554821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551821F 1 R11 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF		TRANSISTOR, FIELD EFFECT	477729	18324	SD213EE	REF	
Q11 TRANSISTOR, J-FET 413690 21845 F5488 REF R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K REF R3 RES, DEP. CAR, 1.5K +/-5%, 1/4W 343418 80031 CR251-4-5P1K5 2 R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348813 80031 CR251-4-5P1K5 2 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF551821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551821F 1 R11 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 1 R19	01000	TRANSISTOR. FIELD EFFECT	477729	18324	SD213EE	REF	
R1 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K 2 R2 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K REF R3 RES, DEP. CAR, 1.5K +/-5%, 1/4W 343418 80031 CR251-4-5P1K5 2 R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF554821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551821F 1 R11 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R13 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF		•				REF	
R2 RES, DEP. CAR, 1K +/-5%, 1/4W 343426 80031 CR251-4-5P1K REF RES, DEP. CAR, 1.5K +/-5%, 1/4W 343418 80031 CR251-4-5P1K5 2 R4 RES, DEP. CAR, 3.3K +/-5%, 1/4W 348839 80031 CR251-4-5P3K3 2 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF554641F 1 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551821F 1 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 RES, WAR, 500 +/-10%, 1/2W 325613 89536 325613 3 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 REF RES, WAR, 500 +/-10%, 1/2W 325613 89536 325613 REF RES, WAR, 500 +/-10%, 1/2W 325613 89536 325613 REF RES, WAR, 500 +/-10%, 1/2W 325613 89536 325613 REF RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 REF RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF		RES. DEP. CAR. 1K +/-5%, 1/4W				2	
R4 RES, DEP. CAR, 1.5k +/-5%, 1/4W 348813 80031 CR251-4-597K3 2 R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5910K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5910K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF554821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551821F 1 R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10%, 1/2W 325613 89536 325613 3 R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 845 +/-1%, 1/8W 348409 91637 CMF551002F 5 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF		RES. DEP. CAR. 1K +/-5\$, 1/4W	343426	80031	CR251-4-5P1K	REF	
R5 RES, DEP. CAR, 10K +/-5\$, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5\$, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1\$, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1\$, 1/8W 293670 91637 CMF554821F 1 R10 RES, MTL. FILM, 4.32K +/-1\$, 1/8W 293662 91637 CMF554821F 1 R11 RES, MTL. FILM, 1.65K +/-1\$, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10\$, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1\$, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 845 +/-1\$, 1/8W 348409 91637 CMF551002F 5 R17 RES, MTL. FILM, 412K +/-1\$, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F REF		RES, DEP. CAR, 1.5K +/-5%, 1/4W				2	
R5 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K 4 R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF551821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 293662 91637 CMF551821F 1 R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10%, 1/2W 325613 89536 325613 3 R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, WTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 845 +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF	RLL	RES. DEP. CAR. 3.3K +/-5%. 1/4W	348813	80031	CR251-4-5P3K3	2	
R6 RES, DEP. CAR, 10K +/-5%, 1/4W 348839 80031 CR251-4-5P10K REF R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF551821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 294819 91637 CMF554321F 1 R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10%, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5						4	
R8 RES, MTL. FILM, 4.64K +/-1%, 1/8W 296020 91637 CMF554641F 1 R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF551821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 294819 91637 CMF551821F 1 R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10%, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF	-	RES. DEP. CAR. 10K +/-5%. 1/4W				REF	
R9 RES, MTL. FILM, 1.82K +/-1%, 1/8W 293670 91637 CMF551821F 1 R10 RES, MTL. FILM, 4.32K +/-1%, 1/8W 294819 91637 CMF554321F 1 R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10%, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 412K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF		,		91637			
R11 RES, MTL. FILM, 1.65K +/-1\$, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10\$, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1\$, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1\$, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F REF		RES, MTL. FILM, 1.82K +/-1%, 1/8W		91637	CMF551821F	1	
R11 RES, MTL. FILM, 1.65K +/-1%, 1/8W 293662 91637 CMF551631 1 R12 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10%, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10%, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1%, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF	R10	RES. MTL. FILM. 4.32K +/-1%. 1/8W	294819	91637	CMF554321F	1	
R12 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 3 R13 RES, VAR, 1K +/-10\$, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1\$, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1\$, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F REF						1	
R13 RES, VAR, 1K +/-10\$, 1/2W 275750 11236 360T102A 2 R14 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1\$, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1\$, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F REF						3	
R14 RES, VAR, 500 +/-10\$, 1/2W 325613 89536 325613 REF R15 RES, MTL. FILM, 845 +/-1\$, 1/8W 344317 91637 CMF558450F 1 R16 RES, MTL. FILM, 412K +/-1\$, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F REF						2	
R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF				_		REF	
R16 RES, MTL. FILM, 412K +/-1%, 1/8W 348409 91637 CMF554123F 1 R17 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF	R15	RES. MTL. FILM. 845 +/-15. 1/8W	344317	91637	CMF558450F	1	
R17 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F 5 R18 RES, MTL. FILM, 10.0K +/-1\$, 1/8W 168260 91637 CMF551002F REF							
H18 RES, MTL. FILM, 10.0K +/-1%, 1/8W 168260 91637 CMF551002F REF						5	
All of the same same same same same same same sam				_			
KIG KES. MIL. FILM. 10.0K +/-18, 1/0M 100200 31031 0112310021	R19	RES, MTL. FILM, 10.0K +/-1%, 1/8W	168260		CMF551002F	REF	

Table 6-26. A4A10 Modulator Distribution PCB Assembly (cont)

REF Des	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	REC QTY
L		2025(2	01637	CMBEE(3NOB	1	
20	RES, MTL. FILM, 634 +/-1\$, 1/8W	223560	91637	CMF556340F	i	
21	RES, MTL. FILM, 1.15K +/-1%, 1/8W	293597	91637	CMF551151F	REF	
22	RES, VAR, 500 +/-10%, 1/2W	325613	89536	325613		
1 23	RES, DEP. CAR, 24K +/-5\$, 1/4W	442384	80031	CR251-4-5P24K	2	
R24	RES, DEP. CAR, 24K +/-5\$, 1/4W	442384	80031	CR251-4-5P24K	REF	
R25	RES, COMP, 4.7K +/-5%, 1/4W	348821	01121	CB4725	1	
R26	RES. DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	REF	
R27	RES, MTL. FILM, 1.69K +/-1%, 1/8W	321414	91637	CMF551691F	1	
R28	RES. DEP. CAR. 100 +/-5%, 1/4W	348771	80031	CR251-4-5P100E	2	
R29	RES, DEP. CAR, 10K +/-5%, 1/4W	348839	80031	CR251-4-5P10K	REF	
R30	RES, MTL. FILM, 10.0K +/-1%, 1/8W	168260	91637	CMF551002F	REF	
	RES, VAR, 10K, +/-10%, 1/2W	485458	32997	3299W-CR2-103	2	
R31		16 8260	91637	CMF551002F	REF	
R32	RES, MTL. FILM, 10.0K +/-1\$, 1/8W	485458	32997	3299W-CR2-103	REF	
R33	RES, VAR, 10K, +/-10\$, 1/2W			CMF551502F	1	
R34	RES, MTL. FILM, 15K +/-1, 1/8W	285296	91637	OME 99 1 90EF	•	
R35	RES, MTL. FILM, 6.34K +/-1%, 1/8W	267344	91637	CMF556341F	1	
R36	RES. DEP. CAR. 3.3K +/-5%, 1/4W	348813	80031	CR251-4-5P3K3	REF	
R37	RES, DEP. CAR, 1.5K +/-5%, 1/4W	343418	80031	CR251-4-5P1K5	REF	
R38	RES, VAR, 25K +/-10%, 1/2W	494591	11236	360 T- 253A	2	
R40	RES, DEP. CAR, 22K +/-5%, 1/4W	348870	80031	CR251-4-5P22K	3	
Dh 4	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	4	
R4 1	RES, DEP. CAR, 56K +/-5%, 1/4W	441626	80031	CR251-4-5P56K	2	
R42		309674	75378		2	
R43	RES, VAR, 10K +/-10\$, 1/2W	275743	89536	275743	1	
R44 R45	RES, VAR, 200 +/-10\$, 1/2W RES, DEP. CAR, 22K +/-5\$, 1/4W	348870	80031	CR251-4-5P22K	REF	
		26.0520	11006	26.07-10.06	REF	
R46	RES, VAR, 100K +/-10%, 1/2W	369520	11236	360T-104A	1	
R47	RES, MTL. FILM, 301 +/-1%, 1/8W	267740		CMF553010F		
R48	RES, VAR, 1K +/-10%, 1/2W	275750	11236	360T102A	REF	
R49	RES, DEP. CAR, 56K +/-5%, 1/4W	441626	80031	CR251-4-5P56K	REF	
R50	RES, VAR, 10K +/-10%, 1/2W	309674	75378	360T-103A	REF	
DC 1	RES. MTL. FILM, 12.4K +/-1%, 1/8W	26 16 44	91637	CMF551242F	1	
R51	RES. MTL. FILM, 4.99K +/-1\$, 1/8W	168252	91637	CMF554991F	1	
R52		348870	80031	CR251-4-5P22K	REF	
R53	RES, DEP. CAR, 22K +/-5%, 1/4W	-	11236	360T-104A	REF	
R54	RES, VAR, 100K +/-10%, 1/2W	369520	-	3299W-CR2-102	1	
R55	RES, VAR, 1K +/-10%, 1/2W	393728	32997	7532#-ORE-105		
R56	RES, MTL. FILM, 1K +/-1%, 1/8W	168229	_		1	
R58	RES, VAR, 25K +/-10%, 1/2W	494591	11236		REF	
R59	RES, DEP. CAR, 100 +/-5%, 1/4W	348771	80031	CR251-4-5P100E	REF	
R60	RES, COMP, 10M +/-5%, 1/4W	194944	01121	CB1065	1	
R6 1	RES, VAR, 100K +/-10\$, 1/2W	369520	11236	360T-104A	REF	
mn4 mn4^	CONNECTOR, TEST POINT	512889	00779	62395-1	12	
TP1-TP12		507228			2	1
U1Ø	IC, LINEAR, D-MOS FET QUAD ANALOG	387233			3	1
U2	IC, LINEAR, QUAD COMPARATOR				2	i
V3	RESISTOR NETWORK	412924			10	2
U4	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	.0	2
U 5	IC, 8-BIT ADDRESSABLE LATCH	419242	01295		REF	
U6	IC. TTL. HEX INVERTER	393058	01295	SN74LSO4N	1	
U7	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF	
	IC, 8-BIT ADDRESSABLE LATCH	419242			REF	
U8				The state of the s	3	1

Table 6-26. A4A10 Modulator Distribution PCB Assembly (cont)

	Table 6-26. A4A10 Modulator D		****			
REF Des	OESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART ND.	TOT QTY	
	<u> </u>	110.				
110	IC. TTL, HEX, INVERTER	407593	01295	SN7406N	1	1
J11	IC, LO-PWR, SCHOTTKY TRI-ST OCTAL, BFR.		12040	DM81LS95N	REF	
J1200	IC, C-MOS, 10-BIT D/A CONVERTER	507558	24355	AD7533KN	1	1
014	IC, 8-BIT ADDRESSABLE LATCH	419242			REF	
J15	IC, 8-BIT ADDRESSABLE LATCH	419242			REF	
116	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF	
117	IC, LO-PWR, SCHOTTKY TRI-ST OCTAL, BFR.	429902	12040	DM81LS95N	REF	
J18	IC, LINEAR, OP-AMP			NE5534N	2	1
J19	IC, LINEAR, OP-AMP, J-FET INPUT	483438	89536	483438	1	1
J20	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF	
J21	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF	
22	IC, TTL, LO-PWR SCHOTTKY HEX/QUADRUPLE	393215	01295	SN74LS175N	1	1
J23	IC, LINEAR, OP-AMP	495051		NE5534N	REF	
124	RESISTOR NETWORK	501841	89536	501841	1	1
125⊘	IC, C-MOS, 10-BIT D/A CONVERTER	507566	24355	AD7533LN	2	1
J26	IC, OP-AMP, LO-NOISE	477745	18324	NE5534AN	1	1
127@	IC, C-MOS, 10-BIT D/A CONVERTER			AD7533LN	REF	
J28	IC, LINEAR, OP-AMP	472779	12040	LF386N	2	1
J29Ø	IC, C-MOS, BIT MULTIPLY DA CONVERTERS			AD7531KN	1	1
130	IC, LINEAR, OP-AMP	472779	12040	LF386 N	REF	
133Ø	IC, LINEAR, D-MOS FET QUAD ANALOG	507228		SD50021J	REF	
134	RESISTOR NETWORK		89536	412924	ref	
135	IC, LINEAR, QUAD COMPARATOR	387233		LM339N	REF	
136	IC, TTL, QUAD, 2-INPUT, POS NAND GATE	393033			1	· 1
137	IC, LINEAR, QUAD COMPARATOR	387233	12040	LM339N	REF	
38	IC, 8-BIT ADDRESSABLE LATCH	419242	01295	SN74LS259N	REF	
139	IC, TTL, LO-PWR, 3-8 LINE DECODER	407585	01295	SN74LS138N	2	1
J40	IC, TTL, LO-PWR, 3-8 LINE DECODER	407585	01295	SN74LS138N	REF	
J41	IC, HYBRID	481630			1	1
Q1	SPACER, TRANSISTOR	152207	07047	10123-DAP	1	
CU1	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	19	
(U2	SOCKET, IC, 14-PIN	276527	. 91507	314AG39D	7	
U 4	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
เบร	SOCKET, IC, 16-PIN			316-AG39D	REF	
tu6	SOCKET, IC, 14-PIN	276527	91507	314-AG39D	REF	
(U7	SOCKET, IC, 16-PIN	276535	-	- ·	REF	
เบล	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
เบอ	SOCKET, IC, 20-PIN	454421	01295	C932002	_ 3	
(V 10	SOCKET, IC, 14-PIN		91507		REF	
W11	SOCKET, IC, 20-PIN	454421	01295	C932002	REF	
U12	SOCKET, IC, 16-PIN	276535		316-AG39D	REF	
(U14	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
ับ15	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
W16	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
U17	SOCKET, IC, 20-PIN	454421	01295	C932002	REF	
U 18	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	5	
U19	SOCKET, IC, 14-PIN	276527	91507	314-AG39D	REF	
เบ20	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	
KU21			~ 4 - 6 4 6	346 AC30D		
TU21 TU22	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF	

U23 U24		NO.	SPLY CODE	MFG PART ND.	QTY	QTY	L
	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
	SOCKET, IC, 16-PIN	276535		316-AG39D	REF		
U25	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF		
U26	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
U2 7	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF		
U28	SOCKET, IC, 8-PIN	478016		308-AG39D	REF		
U29	SOCKET, IC, 18-PIN		91506	318-AG39D	1		
U 30	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	REF		
U35	SOCKET, IC, 14-PIN	276527	91507	314-AG39D	REF		
บ 36	SOCKET, IC, 14-PIN	276527	91507	314-AG39D	REF		
U3 7	SOCKET, IC, 14-PIN	276527		314-AG39D	REF		
U38	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF		
U39	SOCKET, IC, 16-PIN	276535		316-AG39D	REF		
U40	SOCKET, IC, 16-PIN	276535	91506	316-AG39D	REF		

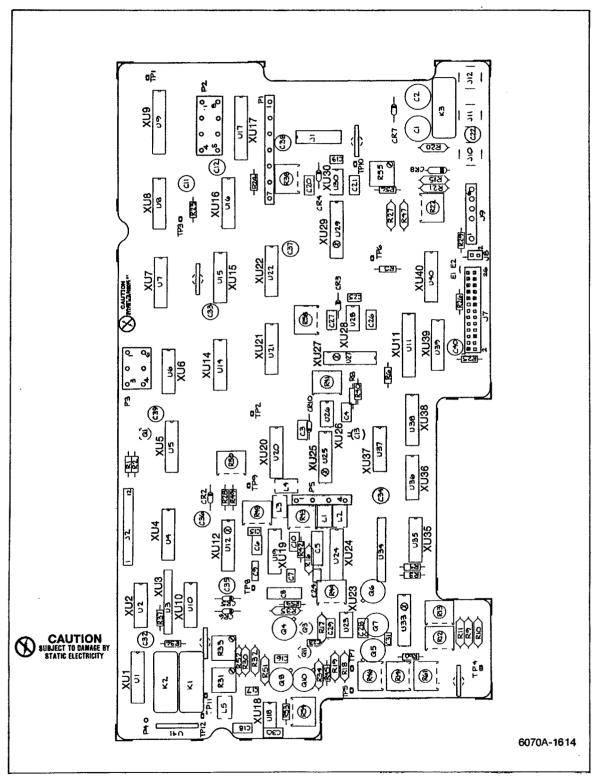


Figure 6-26. A4A10 Modulator Distribution PCB Assembly

Table 6-27. A5 Power Supply Assembly

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY COOE	MFG PART NO.	TOT QTY	REC QTY	
A5@	POWER SUPPLY ASSEMBLY, REAR PANEL FIGURE 6-27 (6070A-4203T)				REF		
A5 A 1	POWER SUPPLY PCB ASSEMBLY	462416	89536	462416	1		
A 5 A 2⊘	P/S REGULATOR PCB ASSEMBLY	462408	89536	462408	1		
A5A3	AUXILIARY TRANSFORMER PCB ASSEMBLY	489005	89536	489005	1		
A5A4	INPUT RECTIFIER PCB ASSEMBLY	489013	89536	489013	1		
A5 A5	SWITCHING TRANSISTORS ASSEMBLY	521385	89536	521385	1		
A5 A6	POWER SUPPLY CAPACITOR PCB ASSEMBLY	520957	89536	520957	1		
A5 A7	HEATSINK PLATE ASSEMBLY				1		
	(NO PARTS LIST BREAKDOWN LISTED)						
A6	POWER SUPPLY ASSEMBLY, REAR PANEL CONTINUED	SEE A6 S	SECTION,	FOLLOWING A5A6.			
C1	CAP, FEED THRU, 2500 PF GMV, 500V	248286	72982	2499-003X5U-252AA	11		
22	CAP, FEED THRU, 2500 PF GMV, 500V	248286	72982	2499-003X5U-252AA	REF		
23	CAP, FEED THRU, 2500 PF GMV, 500V	248286	72982	2499-003X5U-252AA	REF		
C4 C5	CAP, FEED THRU, 2500 PF GMV, 500V	248286 248286		2499-003X5U-252AA 2499-003X5U-252AA	REF REF		
C6	CAP. FEED THRU. 2500 PF GMV, 500V	248286		2499-003 X5U-252AA	REF		
C7	CAP, FEED THRU, 2500 PF GMV, 500V	248286		2499-003X5U-252AA	REF		
C8	CAP, FEED THRU, 2500 PF GMV, 500V CAP, FEED THRU, 2500 PF GMV, 500V CAP, FEED THRU, 2500 PF GMV, 500V	248286		2499-003X5U-252AA	REF		
C9	CAP, FEED THRU, 2500 PF GMV, 500V	248286		2499-003X5U-252AA	REF		
C10		•	72982	2499-003X5U-252AA	REF		
C11	CAP, FEED THRU, 2500 PF GMV, 500V	248286	72982		REF		
C101	CAP, CER, 0.010 UF -20/+80\$, 250VAC	520254	89536		1		
CR13	DIODE, POWER		84411		2 REF	1	
CR14	DIODE, POWER	216846	84411	1 N 6 0 9 6 AGC 4 A 2 5 0 V	1	5	:
F101	FUSE, FAST ACTING, 4 AMP	210040	11400	AUG-AE-JOT	•	_	
H1	NUT, 6-32	110569			3		
H2	NUT, #10		89536		2		
#3	SCREW, PHP, 4-40 X 3/16		89536	149567	2		
1 4 1 5	SCREW, PHP, 4-40 X 3/16 SCREW, SELF-LOCKING, 4-40 X 1/4 SCREW, CAP, BLACK, 4-40 X 1/4	185918 528299	89536	185 91 8 52 8 2 9 9	17 2		
	BORDE, ORI, BEROK, 4-40 K 174	,,	0,000				
H6	SCREW, SELF-LOCKING, 4-40 X 3/8		89536		4		
H7	SCREW, SELF-LOCKING, 4-40 X 1/2	353060		353060	6		
18	SCREW, PHP, 4-40 X 3/4	152132		152132	1 2		
19 21.0	SCREW, PHP, 4-40 X 1 3/4	136689 177022	89536 89536	136689 177022	6		
110	SCREW, SELF-LOCKING, 6-32 X 3/8	111022	V9J30	111000	J		
H1 1	SCREW, CAP, BLACK, 6-32 X 1/2	542761		542761	11		
H12	WASHER, FLAT	146225	89536	146225	1		
H13	WASHER, LOCK	111096	89536	111096	1		
H14	WASHER, MICA	195289 1750k3	89536 80536	195289 1750b3	4		
H15	WASHER, STAR	175943	89536	175943	+		

Table 6-27. A5 Power Supply Assembly (cont)

REF DES	OESCRIPTION	FLUKE STOCK NO.	MFG SPLY Code	MFG PART NO.	T0T QTY	1 1	
H16	WASHER, LOCK, #4	110395	89536	110395	5		
H17	WASHER, LOCK, #6	110692	89536	110692	3		
H18	WASHER, FLAT, #10	110262	89536	110262	2		
L101	INDUCTOR, 18 UH	492090	89536	492090	1		
L102	LINE FILTER	500405	89536	500405	1		
MP1	BRACKET, PCB MOUNTING, BOTTOM	488171	89536	488171	1		
MP2	BRACKET, PCB MOUNTING, TOP	488189	89536	488189	1		
MP3	BUSHING, TEFLON	187989	89536	187989	2		
MP4	CAN, CAPACITOR	515502	89536	515502	1		
MP5	FUSEHOLDER	460329	89536	460329	1		
MP6	FUSEHOLDER CAP	460238	89536	460238	1		
MP7	GASKET, LINE CONNECTOR	577 189	89536	577 189	1		
MP8	HEATSINK, PAINTED	542035	89536	542035	1		
MP9	SOLDER LUG	237180	89536	237180	2		
MP10	SOLDER LUG, #4	102558	89536	102588	1		
R101	RES, DEP. CAR, 56 +/-5%, 1/4W	342618	80031	CR251-4-5P56E	1		
R102	RES. DEP. CAR, 100 +/-5%, 1/4W	348771	80031	CR251-4-5P100E	1		
S101	SWITCH, 115/230	283952	89536	283952	1	1	
S102	SWITCH, TOGGLE	524207	89536	524207	1	1	
W60	CABLE ASSEMBLY	544973	89536	544973	1		
W6 1	CABLE ASSEMBLY	544981	89536	544981	1		
W62	CABLE ASSEMBLY	512377	89536	512377	1		
W64	CABLE ASSEMBLY	583484	89536	583484	1		
W70	CABLE ASSEMBLY	521369	89536	521369	1		
W110	CABLE ASSEMBLY	515254	89536	515254	1		
W111	CABLE ASSEMBLY	510123	89536	510123	1		

¹ A6 ASSEMBLIES, SEE FOLLOWING A5 SECTION. A5 AND A6 ASSEMBLIES ARE COMBINED AS THE POWER SUPPLY REAR PANEL ASSEMBLY.

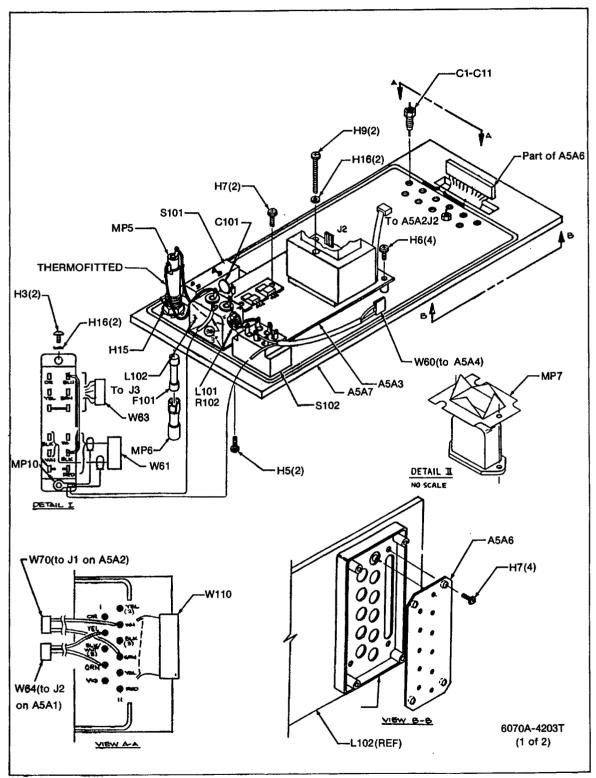


Figure 6-27. A5 Power Supply Assembly

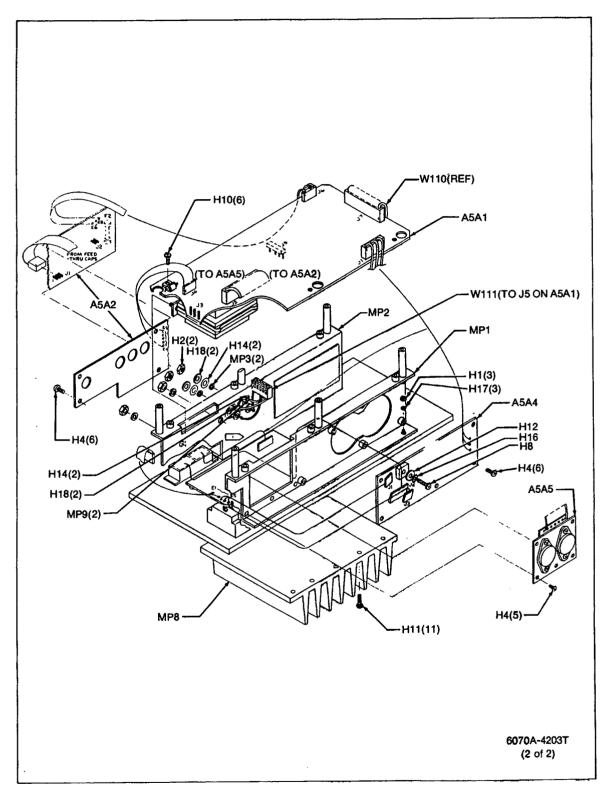


Figure 6-27. A5 Power Supply Assembly (cont)

Table 8-28. A5A1 Power Supply PCB Assembly

REF OES	DESCRIPTION	FLUKE Stock No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	1 1	1
A5A 1	POWER SUPPLY PCB ASSEMBLY FIGURE 6-28 (6070A-4003T)	462416	89536	462416	REF		
C1 C2	CAP, DISC, 5000 PF +/-20\$, 3000V CAP, DISC, 5000 PF +/-20\$, 3000V	485839 485839	89536 89536	485839 485839	3 REF		
C 3	CAP, DISC, 5000 PF +/-20%, 3000V	485839	89536	485839	REF		
24	CAP, POLY, 1.0 UF +/-10%, 400V	500413			3		
75	CAP, POLY, 1.0 UF +/-10%, 400V	500413			REF		
26	CAP, POLY, 1.0 UF +/-10%, 400V	500413			REF		
27	CAP, MICA, 510 PF +/-5%, 500V	148411	72136	DM19E511J	1		
:8	CAP, ELECT. TA, 33 UF +/-10%, 10V CAP, ELECT. TA, 33 UF +/-10%, 10V CAP, ELECT, 47 UF +/-20%, 35V CAP, ELECT, 150 UF +/-20%, 15V	182832	56289	150D336X9010B2	2		
29	CAP, ELECT. TA, 33 UF +/-10%, 10V	182832		150D336X9010B2	REF		
12	CAP, ELECT, 47 UF +/-20\$, 35V	501262		THF47G35	1		
15				THF150G15	2		
216	CAP, ELECT, 150 UF +/-20\$, 15V	501270	90201	THF150G15	REF		
C17	CAP, TUBULAR, 330 UF +/-20≸, 6V	501288	90201	THF330G6	1		
18	CAP, TA, 22 UF +/-20\$, 15V	423012	56289		1		
219	CAP, CER, 0.05 UF +/-20\$, 50V	175232		C023B101H253M	_ 2		
20	CAP, CER, 0.05 UF +/-20%, 50V	175232		C023B101H253M	REF		
C21	CAP, TA, 2.2 UF +/-20\$, 20V	16 1927	56289	196D2225X0020HA1	1		
C22	CAP. CER. 39 PF +/-5%, 1000V	417410	72982	858-000-R2G0-390J	1		
223	CAP, CER, 300 PF +/-10%, 100V	105734	71590	BB60301KW7W	1		
CR2	CAP, CER, 39 PF +/-5%, 1000V CAP, CER, 300 PF +/-10%, 100V DIODE, SI, RECTIFIER, 1 AMP DIODE, SI, RECTIFIER, 1 AMP	379412		1N4933	8	2	
CR3	DIODE, SI, RECTIFIER, 1 AMP	379412		1N4933	REF		
CR4	DIODE, SI, RECTIFIER, 1A, 100V	343491	03877	1N4002	2	1	į
CR5	DIODE, ST. RECTIFIER, 1A, 100V	343491	03877	1N4002	REF		
CR6	DIODE, SI, RECTIFIER, 1A, 100V DIODE, SI, HI-SPEED SWITCHING	203323		1 N4448	2	1	
CR7	DIODE, SI, FAST RECOVERY	523720	12969	UES1303	2	1	İ
CR8	DIODE, SI, FAST RECOVERY	523 72 0			REF	_	
CR9	DIODE, SI, RECTIFIER	483701	14099	5FF10	2	7	ł.
CR10	DIODE, SI, RECTIFIER	483701	14099	5FF10	REF		
CR11	RECTIFIER, SI, FAST RECOVERY, 100V			3FF10	2	1	J
CR12	RECTIFIER, SI, FAST RECOVERY, 100V	495739	14099	3FF 10	REF		
CR15	DIODE, SI, HI-SPEED SWITCHING	203323	07910	1 N4 4 4 8	REF		
CR16	DIODE, SI, RECTIFIER, 1 AMP	379412	04713	1N4933	REF		
:R17	DIODE, SI, RECTIFIER, 1 AMP	379412	04713	1N4933	REF		
R18	DIODE, SI, RECTIFIER, 1 AMP	379412			REF		
R19	DIODE, SI, RECTIFIER, 1 AMP	379412		1N4933	REF		
CR20	DIODE, SI, RECTIFIER, 1 AMP	379412		1N4933	REF		
R21	DIODE, SI, RECTIFIER, 1 AMP	379412	04713	1N4933	REF		٠
)S1	LAMP, NEON	100347	74276	T2-24-2	1		
751 I 1	P-NUT, 4-40 (NOT SHOWN)	380196			3		
H2	SCREW, 4-40 X 1 1/4 (NOT SHOWN)		89536		3		
13	WASHER, FLAT (NOT SHOWN)	146225		146225	3		
14	WASHER, FLAT, TEFLON (NOT SHOWN)	156299	89536	156299	2		
1 5	WASHER, LOCK, #4 (NOT SHOWN)	110395	89536	110395	3		
17 11	CONNECTOR, 6-PIN	512178			1		
J2	CONNECTOR, 12-PIN	512160	27264	09-80-1123	2		
J3	CONNECTOR, POST			86 144-2	11		
כי	CONNECTOR, POST	267500			REF		

	DESCRIPTION	FLUKE STDCK	MF6 SPLY	MFG PART NO.	TOT QTY	REC QTY
DES		NO.	CODE			
J5	CONNECTOR, 5-PIN	512186	27264	09-80-1053	1	
J6	CONNECTOR, POST	267500			REF	
	CONNECTOR, 12-PIN	512160			REF	
J7	· · · · · · · · · · · · · · · · · · ·	492124			1	
L1 L3	CHOKE, 9.4 MH CHOKE, 0.516 MH	521880	89536	521880	1	
L4	CHOKE, 0.200 MH	492116	89536	492116	1	
L5	CHOKE, 170 UH	503177		503177	2	
		492140			1	
L6	CHOKE, 0.200 MH	503177	- ·		REF	
L7	CHOKE, 170 UH	503169			1	
L8	CHOKE, 80 UH	203103	09550	202103	•	
L9	CHOKE, 0.100 MH	492132		492132	1	
Q3	TRANSISTOR, SI, NPN, POWER	535468			2	1
Q4	TRANSISTOR, SI, NPN, POWER	535468			REF	
Q 5	TRANSISTOR, POWER, PNP	495689			2	1
Q6	TRANSISTOR, POWER, PNP	495 6 89	04713	MPSU56	REF	
R1	RES, DEP. CAR, 470K +/-5%, 1/4W	342634		CR251-4-5P470K	1	
R2	RES, DEP. CAR, 15K +/-5%, 1/4W	348854	80031	CR251-4-5P15K	1	
R3	RES, COMP, 82 +/-5%, 4W	501296	89536	501296	1	
R4	RES, DEP. CAR, 24 +/-5%, 1/4W	442210	80031		2	
R5	RES, CAR. DEP, 15 +/-5%, 1/4W	348755	80031		2	
R6	RES, COMP, 6.2 +/-10%, 1/2W	218750	01121	EB6225	2	
	RES, DEP. CAR, 1K +/-5%, 1/4W	343426	80031		4	
R7	RES, DEP. CAR, 14 +/-5%, 1/4W	442210			REF	
R8		348755	80031		REF	
R9 R10	RES, CAR. DEP, 15 +/-5%, 1/4W RES. COMP, 6.2 +/-10%, 1/2W	218750	01121		REF	
	nne nun den de / Ed d/hu	343426	80031	CR251-4-5P1K	REF	
R11	RES, DEP. CAR, 1K +/-5%, 1/4W		80031		2	
R12	RES, DEP. CAR, 270 +/-5%, 1/4W	348789		CR251-4-5P10E	2	
R17	RES, DEP. CAR, 10 +/-5%, 1/4W	340075	_		REF	
R18	RES, DEP. CAR, 10 +/-5%, 1/4W	340075	80031		1	
R19	RES, COMP, 4.7K +/-5%, 1/4W	348821	01121	CB4725	•	
R20	RES, DEP. CAR, 1K +/-5%, 1/4W	343426			REF	
R21		343426			REF	
R22	RES, DEP. CAR, 1K +/-5%, 1/4W RES, DEP. CAR, 270 +/-5%, 1/4W RES, DEP. CAR, 33 +/-5%, 1/4W	348789	80031	CR251-4-5P270E	REF	
R23	RES, DEP. CAR, 33 +/-5%, 1/4W	414524	80031		1	
R24	RES, COMP, 39 +/-10%, 1/2W	160036	01121	EB3901	1	
R25	RES, DEP. CAR, 100 +/-5≸, 1/4W	348771	80031	CR251-4-5P100E	2	
R26	RES, DEP. CAR, 100 +/-5%, 1/4W	348771		CR251-4-5P100E	REF	
T1	TRANSFORMER	611582	89536	611582	2	
T2	TRANSFORMER	611582	89536	611582	REF	
T3	TRANSFORMER, 90-264V	492199	89536	492199	1	
		503185	89536	503185	1	
T4	TRANSFORMER CONNECTOR, TEST POINT	E12880	02560	62395-1834	11	

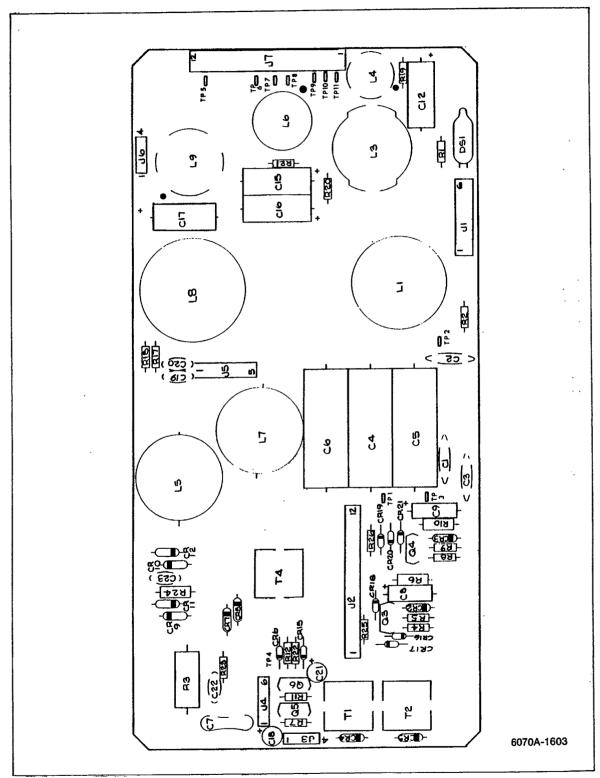


Figure 6-28. A5A1 Power Supply PCB Assembly

Table 6-29. A5A2 P/S Regulator PCB Assembly

REF DES	OESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG PART NO.	TOT QTY	4
5A2Ø	P/S REGULATOR PCB ASSEMBLY FIGURE 6-29 (6070A-4002T)	462408	89536	462408	REF	
; 1 ; 4	CAP, ELECT, 1000 UF -10/+50\$, 16V CAP, POLY, 400 PF +/-1\$, 63V	193896 528406	80031 12954		1 2	
5	CAP, TA, 10 UF +/-20%, 15V	193623	56289	196D106X0015A1	4	
6	CAP, POLY, 3600 PF +/-2%, 63V	528414		B31063/3600/2/63	2	
7	CAP, TA, 10 UF +/-20%, 15V	193623		196D106X0015A1	REF	
8	CAP, POLY, 3600 PF +/-2%, 63V	528414	12954	B31063/3600/2/63	REF	
9	CAP, TA, 10 UF +/-20%, 15V CAP, POLY, 3600 PF +/-2%, 63V CAP, TA, 10 UF +/-20%, 15V CAP, POLY, 3600 PF +/-2%, 63V CAP, POLY, 7500 PF +/-5%, 63V	528430	12954	B31063/7500/5/63	2	
10			12954	B31063/400/1/63	REF	
11	CAP, POLY, 7500 PF +/-5%, 63V	528430			REF	
12	CAP, POLY, 5000 PF +/-5%, 63V	528422			1	
13	CAP, POLY, 10000 PF +/-5%, 63V	528448	12954		1	
14	CAP, POLY, 400 PF +/-1%, 63V CAP, POLY, 7500 PF +/-5%, 63V CAP, POLY, 5000 PF +/-5%, 63V CAP, POLY, 10000 PF +/-5%, 63V CAP, TA, 22 UF +/-20%, 15V	423012	56289	196D226X0015KA1	1	
15	CAP, TA, 10 UF +/-20\$, 15V CAP, TA, 150 UF +/-20\$, 20V CAP, TA, 10 UF +/-20\$, 15V CAP, TA, 2.2 UF +/-20\$, 20V	193623	56289	196D106X0015A1	REF	
16	CAP, TA, 150 UF +/-20%, 20V	422576	56289	196D157X0020TA1	1	
17	CAP, TA, 10 UF +/-20%, 15V	193623	-		REF	
18	CAP, TA, 2.2 UF +/-20%, 20V	16 1927		· ·	1	
R3	DIODE, SI	343491	04713	1N4002	2	1
R4	DIODE, SI, HI-SPEED SWITCHING DIODE, SI, HI-SPEED SWITCHING DIODE, SI, HI-SPEED SWITCHING DIODE, SI, HI-SPEED SWITCHING	203323	07910	1 N4448	6	2
R5	DIODE, SI, HI-SPEED SWITCHING	203323	07910	1 N 4 4 4 8	REF	
R6	DIODE, SI, HI-SPEED SWITCHING	203323			REF	
R7	DIODE, SI, HI-SPEED SWITCHING	203323		1N4448	REF	
R8	DIODE, SI, HI-SPEED SWITCHING	203323	07910	1 N4448	REF	
R9	DIODE, ZENER 6.8V +/-5%	26 06 95	04713	1N754A	1	1
R10	DIODE, ZENER 5.6V	277236			1	1
R11	DIODE, SI	343491			REF	
R12	DIODE, SI, HI-SPEED SWITCHING	203323	_	_	REF	_
.5	FUSE, SLO-BLO, 0.60A	544 2 62	71400	MDL.600A	1	5
1	CONNECTOR, POST	267500	00779	86144-2	5	
2	CONNECTOR, POST CONNECTOR, POST CHOKE, 6-TURN INDUCTOR, 1500 UH +/-10\$	26 750 0		86144-2	REF	
1	CHOKE, 6-TURN	320911		320911	2	
2	INDUCTOR, 1500 UH +/-10\$	343863			1	
3	CHOKE, RF, 470 UH	1 47 827	72259	WEE470	2	
4	CHOKE, RF, 470 UH	147827	72259	WBE470	REF	
5	CHOKE, RF, 390 UH +/-5%, 230MA INDUCTOR, 1000 UH +/-10%, 40MA	186288			1	
6	INDUCTOR, 1000 UH +/-10\$, 40MA	256 107			1	
7	CHOKE, 6-TURN	320911	89536	320911	REF	
P1	FUSE CLIP	284984	846 14	3621-2	2	
_	TRANSTONO OF DU-	h c 5= c=	a h = - =	WP056 56 0		
1	TRANSISTOR, SI, PNP	418707	04713	MP\$56562	1	
2 1	TRANSISTOR, SI, NPN RES, VAR, 10K +/-10%, 1/2W	218081 30 9 674	04713 75378	MP\$6520 360T=103A	1 2	
2	RES, MTL. FILM, 17.4K +/-1\$, 1/8W	236802	91637	CMF551742F	1	
					_	
3	RES, MTL. FILM, 12.1K +/-1%, 1/8W	234997	91637	CMF551212F	1	
4	RES, MTL. FILM, 7.50K +/-1%, 1/8W	223529	91637	CMF557501F	1	
5 6	RES, DEP. CAR, 10K +/-5%, 1/4W RES. MTL. FILM. 5.11K +/-1%, 1/4W	348839 2 9486 8	80031 91637	CR251-4-5P10K CMF555111F	1 1	
	RES, VAR, 10K +/-10\$, 1/2W	294000 309674	75378	360T-103A	REF	
7				J 1470		

DEE		FLUKE	MFG		тот	REC	l
REF DES	DESCRIPTION	STOCK NO.	SPLY CODE	MFG PART NO.	QTY	1 1	
-				aunce (EACE	4		
В	RES, MTL. FILM, 15K +/-1%, 1/8W	285296	91637		1 2		
9	RES, DEP. CAR, 11K +/-5%, 1/4W	441360	_		REF		
10	RES, DEP. CAR, 11K +/-5%, 1/4W	441360	80031		ner 2		
11	RES, DEP. CAR, 390 +/-5%, 1/4W	441543	80031		REF		
12	RES, DEP. CAR, 390 +/-5%, 1/4W	441543	80031	CR251-4-5P390E	REF		
13	RES, DEP. CAR, 75K +/-5%, 1/4W	394130			1 2		
14	RES, COMP, 100K +/-5≸, 1/4W			CB1045			
15	RES, DEP. CAR, 47K +/-5%, 1/4W	348896	80031		1 999		
16	RES, COMP, 100K +/-5%, 1/4W	348920			REF		
17	RES, DEP. CAR, 36K +/-5\$, 1/4W	442392	80031	CR251-4-5P36K	1		
18	RES, DEP. CAR, 30K +/-5%, 1/4W			CR251-4-5P30K	1		
19	RES, DEP. CAR, 2K +/-5%, 1/4W	441469			2		
20	RES, DEP. CAR, 2.2K +/-5%, 1/4W	343400			1		
21	RES. MTL. FILM, 4.32K +/-1%, 1/8W	294819	91637	CMF554321F	1		
22	RES, DEP. CAR, 2K +/-5%, 1/4W	441469	80031	CR251-4-5P2K	REF		
23	RES. DEP. CAR, 1K +/-5%, 1/4W	343426	80031	CR251-4-5P1K	1		
24	RES. DEP. CAR, 20K +/-5\$, 1/4W	441477	80031	CR251-4-5P20K	1		
25	RES, DEP. CAR, 200 +/-5%, 1/4W	441451	80031	CR251-4-5P200E	1		
26	RES, MTL. FILM, 6.34K +/-1%, 1/8W	267344	91637	CMF556341F	1		
P1	CONNECTOR, TEST POINT	512889	89536	512889	4		
P2	CONNECTOR, TEST POINT	512889	89536	512889	REF		
P3	CONNECTOR, TEST POINT	512889	89536	512889	REF		
P4	CONNECTOR, TEST POINT	512889	89536	512889	REF		
1	IC, SWITCHING VOLTAGE REGULATOR	504340	04713	MC3420P	1	1	
2	IC, LINEAR, OP-AMP	413740	12040	LM307N	1	1	
300	IC, C-MOS, RETRIGGER/RESET MULTIVIBRATOR	393512	02735	CD4098AE	1	1	
4 4	IC, LINEAR, COMPARATOR	352195	01295	SN72311P	1	1	
68	CABLE ASSEMBLY	521344		521344	1		
69	CABLE ASSEMBLY	514794	89536	514794	1		
U1	SOCKET, IC, 16-PIN DIP		91506	316-AG39D	2		
U2	SOCKET, IC, 8-PIN	478016	91506	308-AG39D	2		
02 03	SOCKET, IC, 16-PIN DIP		91506		REF		
U4	SOCKET, IC, 8-PIN	478016	91506		REF		
		·					

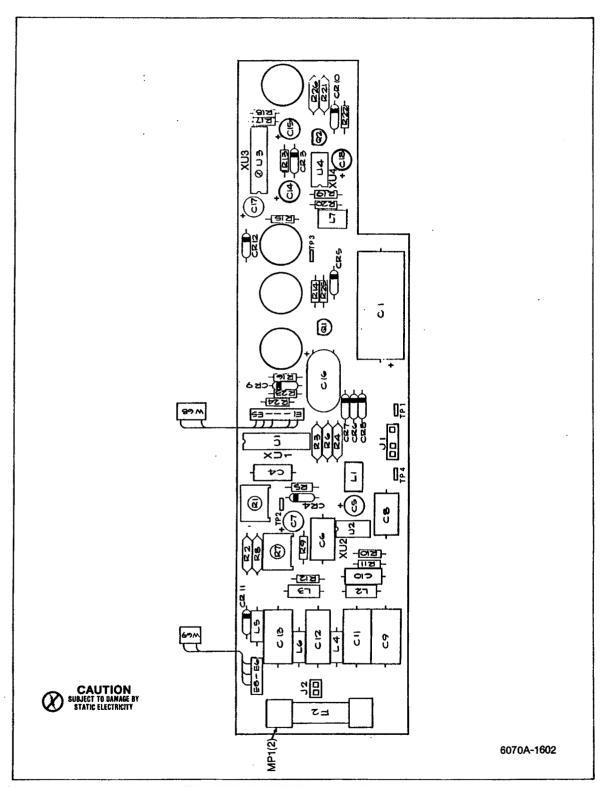


Figure 6-29. A5A2 P/S Regulator PCB Assembly

	Table 6-30. A5A3 Auxilla	ry iransion		naseniloly		,	_
REF DES	DESCRIPTION	FLUKE STOCK NO.	MFG SPLY CODE	MFG PART NO.	TOT YTQ	1 1	l
A5 A3	AUXILIARY TRANSFORMER PCB ASSEMBLY FIGURE 6-30 (6070A-4028T)	489005	89536	489005	REF		
C1	CAP. CER. 1000 PF +/-10\$, 1000V	368621			1		
C2	CAP, CER, 1000 PF +/-10\$, 1000V CAP, ELECT, 220 UF +50/-10\$, 63V	185850	80031	ET221X063A02	1		
C3	CAP, CER, 0.22 UF +/-20%, 50V	309849			1	_	
CR1	DIODE, RECTIFIER, 1 AMP DIODE, RECTIFIER, 1 AMP DIODE, RECTIFIER, 1 AMP DIODE, RECTIFIER, 1 AMP	368738			6	2	
CR2	DIODE, RECTIFIER, 1 AMP	368738	04713	1N4004	REF		
CR3	DIODE, RECTIFIER, 1 AMP	368738	04713	1N4004	REF		
CR4	DIODE, RECTIFIER, 1 AMP	368738	04713	1 N4004	REF		
CR5	DIODE, RECTIFIER, 1 AMP	368738	04713	1N4004	REF		
CR6	DIODE, FIELD EFFECT	348482	89536	348482	1	1	
CR7	DIODE, ZENER	267807	04713	1N9708	1	1	
CR8	DIODE, RECTIFIER, 1 AMP	368738	04713	1N4004	REF		
H1	DIODE, FIELD EFFECT DIODE, ZENER DIODE, RECTIFIER, 1 AMP SCREW, PHP, 4-40 X 5/16 (W/U1, Q1)	335141	89536	335141	2		
H2					2		
H3	WACHER, LOCK, FT (W/O!, Q!/	485417	89536	485417	2		
п3 Н4	B NUT h ho (W/H1 O1)	380196	89536	380196	2		
п4 J1	CONNECTOR POST	267500	00779	86144-2	8		
J2	WASHER, LOCK, #4 (W/U1, Q1) WASHER, SHOULDER, #4 (NOT SHOWN) P-NUT, 4-40 (W/U1, Q1) CONNECTOR, POST CONNECTOR, POST	267500	00779	86 144-2	REF		
V 4	DELAY MIN DO SUDO	11856110	28478	20693-82	1	1	
K1	RELAY, MIN PC, 6VDC	E106E1		510651	1		
MP1	HEAT SINK	412809			2		
MP2	HEAT SINK INSULATOR, MICA (W/U1, Q1) TRANSISTOR. SI. NPN	386128			1		i
Q1	TRANSISTOR, SI, NPN TRANSISTOR, SI, NPN, SM SIGNAL	220802		MPS6560	i		
Q2					•	•	
R1	RES. DEP. CAR, 470 +/-5%, 1/4W	343434	80031	CR251-4-5P471E			
R2	RES. COMP. 560 +/-10%, 1/2W	108316	01121	EB5611	1		
R3	RES. DEP. CAR, 56 +/-5%. 1/4W	342618	80031	CR251-4-5P56E	1		
R4	RES. DEP. CAR. 1.6 +/-5%, 1/4W	442038	80031	CR251-4-5P1R6	2		
R5	RES, DEP. CAR, 470 +/-5\$, 1/4W RES, COMP, 560 +/-10\$, 1/2W RES, DEP. CAR, 56 +/-5\$, 1/4W RES, DEP. CAR, 1.6 +/-5\$, 1/4W RES, DEP. CAR, 1.6 +/-5\$, 1/4W	442038	80031	CR251-4-5P1R6	REF		
R6	RRS. COMP. 27K +/-5%. 1/4W	148148	01121	CB2735	1		
RT1	THERMISTOR, NEGATIVE TO	500371		3D5120	2		
RT2	RES, COMP, 27K +/-5%, 1/4W THERMISTOR, NEGATIVE TC THERMISTOR, NEGATIVE TC	500371			REF		
T1	TRANSFORMER, AUXILIARY POWER		89536		1		
TP1	TEST POINT			62395-1	1		
U1	TO VOLTAGE RECHLATOR	413195	04713	MC7812TP	1	1	l
	IC, VOLTAGE REGULATOR CABLE, 2 CONDUCTOR, SHIELDED			544999	1		
W63	CARLE 2 CONDUCTOR, CHIEBURD	514810			1		
W67	CABLE, 2 CONDUCTOR CABLE, 2 CONDUCTOR			582908	1		
W73	. Outposion	,,					

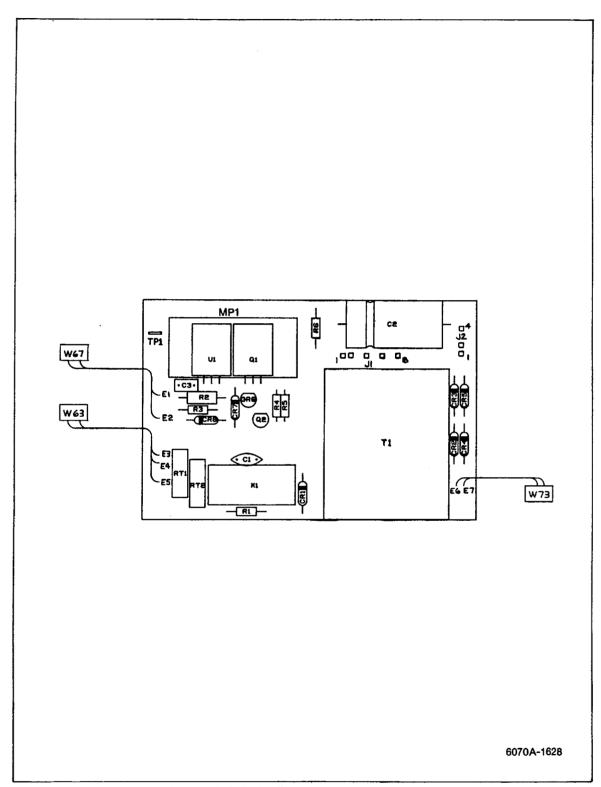


Figure 6-30. A5A3 Auxiliary Transformer PCB Assembly

Table 6-31. A5A4 Input Rectifier PCB Assembly

REF DES	DESCRIPTION	FLUKE STDCK NO.	MFG SPLY Code	MFG PART ND.	TOT QTY	REC QTY	D T E
A5A4	INPUT RECTIFIER PCB ASSEMBLY FIGURE 6-31 (6070A-4029T)	489013	89536	489013	REF		
C1	CAP, CER, 0.0033 UF +/-GMV, 600V	106674	56289	C023B102F332M	2		
C2	CAP, CER, 0.0033 UF +/-GMV, 600V			C023B102F332M	REF		
C3 C4	CAP, ELECT, (MATCHED PAIR) CAP, PAIRED TO C3	576280	89536	576280	1		
C5	CAP, CER, 0.010 UF -20/+80\$, 250VAC	520254	89536	520254	1		
CR1	DIODE, BRIDGE		83003		1	1	
CR2	RES, (VARISTOR) RMS VOLT 275		09214		1	1	
E101	PROTECTOR, (V) SURGE			B1-A230	1		
J1	CONNECTOR, POST	267500	00779	86 144-2	11		
J2	CONNECTOR, POST	267500	00779	86 144-2	REF		
J3	CONNECTOR, POST	267500	00779	86144-2	REF		
L1	CHOKE, LINE, 0.018 MH	492090	89536	492090	2		
1.2	CHOKE, LINE, 0.018 MH	492090	89536	492090	REF		
MP1	HOLDER. COMPONENT	422865	89536	422865	2		
R1	RES, COMP, 150K +/-10%, 1/2W		01121		2		
R2	RES, COMP, 150K +/-10%, 1/2W	108167	01121	EB15415	REF		
R3	RES, DEP. CAR, 120 +/-5%, 1/4W	442293	80031	CR251-4-5P120E	2		
R4	RES. DEP. CAR, 120 +/-5%, 1/4W	442293	80031	CR251-4-5P120E	REF		
R5	RES. DEP. CAR, 82 +/-5%, 1/4W	442277			1		
W1	WIRE, TEFLON, #22 BLK	115774	89536	115774	AR		
W66	RECTIFIER CABLE ASSEMBLY	515213	89536	515213	1		

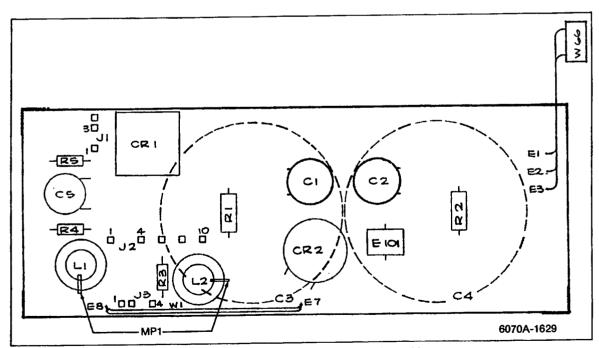


Figure 6-31. A5A4 Input Rectifier PCB Assembly

Table 6-32. A5A5 Switching Transistors Assembly

REF DES	DESCRIPTION	FLUKE STOCK NO.	MFG SPLY CODE	MFG PART ND.	TOT QTY	REC QTY	
A5A5	SWITCHING TRANSISTORS ASSEMBLY FIGURE 6-32 (6070A-4034)	521385	89536	521385	REF		
H1	SCREW. #4-40 X 1/2	256 172	89536	256 172	4		
H2	WASHER, SPLIT LOCK	147603			Ħ		
Н3	WASHER, FIBER	246488	89536	246488	8		
MP1	SOCKET	386144	89536	386144	4		
MP2	INSULATOR, TRANSISTOR	524645	89536	524645	1		
MP3	INSULATOR, TO-3 SHIELD	526566	89536	526566	1		
MP4	INSULATOR, PCB	468843	89536	468843	1		
MP5	PLATE, TRANSISTOR MOUNTING	514430	89536	514430	1		
Q1	TRANSISTOR, SI, NPN	495705	04713	MJ10007	2	1	
Q2	TRANSISTOR, SI, NPN	495705	04713	MJ10007	REF		
W65	CABLE ASSEMBLY	515239	89536	515239	1		

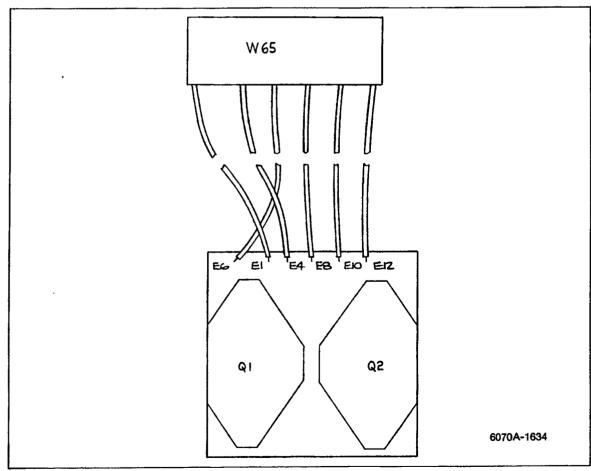


Figure 6-32. A5A5 Switching Transistors Assembly

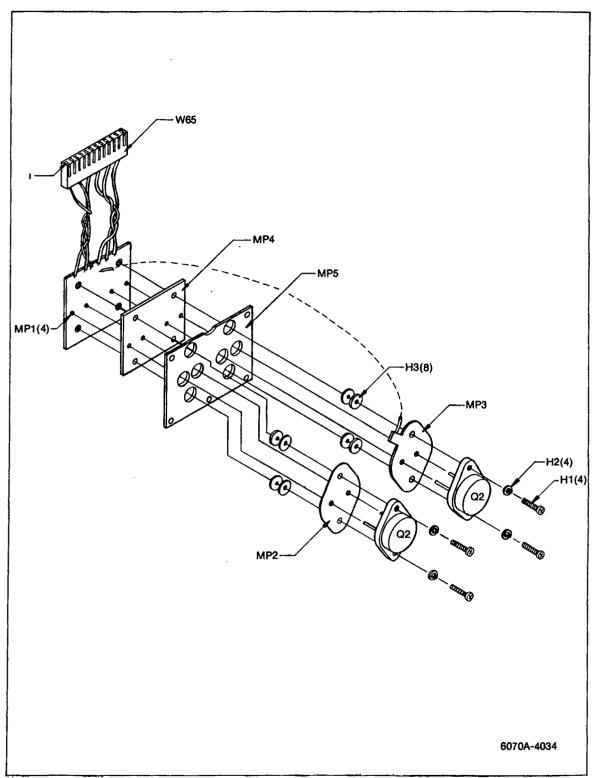


Figure 6-32. A5A5 Switching Transistors Assembly (cont)

Table 6-33. A5A6 Power Supply Capacitor PCB Assembly

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CDDE	MFG PART NO.	TDT QTY	REC QTY	
A5 A6	POWER SUPPLY CAPACITOR PCB ASSEMBLY FIGURE 6-33 (6070A-4036)	520957	89536	520957	REF		
C1	CAP, ELECT, 47 UF +/-20\$, 35V	501262	90201	THF47G35	1		
C2	CAP, ELECT, 150 UF +/-20\$, 15V	501270	-	THF150G15	2		
C3	CAP, ELECT, 150 UF +/-20\$, 15V	501270	90201	THF150G15	REF		
C4	CAP, ELECT, 330 UF +/-20%, 6V	501288	90201	THF330G6	2		
C5	CAP, ELECT, 330 UF +/-20%, 6V	501288	90201	THF330G6	REF		
C6	CAP, TA, 22 UF +/-20%, 35V	394775	56289	196D226X0035TE4	1		
C7	CAP, TA, 10 UF +/-20%, 20V	330662	56289	196D106X0020KA1	1		
C8	CAP, TA, 68 UF, 6V/8V	519702	56289	196 D6 86 X000 8 KE4	2		
C9	CAP, TA, 68 UF, 6V/8V	519702	56289	196D686X0008KE4	REF		
L1	INDUCTOR, 33 UH +/-5%, 1030 MA	249086	24759	MR-33	1		
R1	RES, COMP, 100 +/-10%, 1W	109363	01121	GB1011	1		
W7	CABLE ASSEMBLY	515262	89536	515262	1		

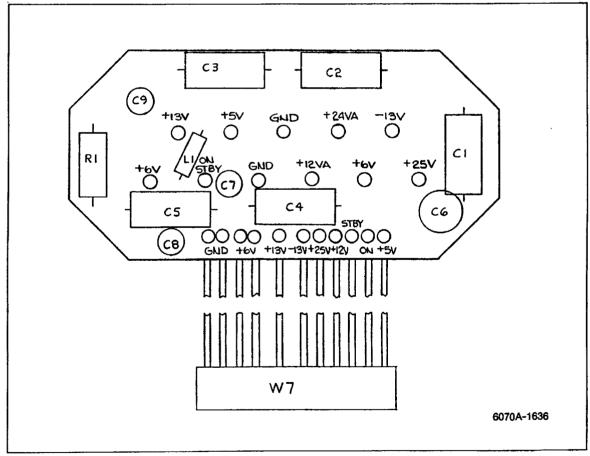


Figure 6-33. A5A6 Power Supply Capacitor PCB Assembly

Table 6-34. A6 Rear Panel Assembly

REF DES	DESCRIPTION	FLUKE Stock ND.	MFG SPLY CDDE	MFG PART ND.		REC QTY	N D T
A6	POWER SUPPLY ASSEMBLY, REAR PANEL FIGURE 6-34 (6070A-4203T)						1
A6 A1	IEEE CONNECTOR PCB ASSEMBLY	463620	89536	46 36 20	1		
A6 A2	SERIES PASS MOTHERBOARD PCB ASSEMBLY	489591	89536	489591	1		
A6 A3	+5V SERIES PASS PCB ASSEMBLY	489625	89536	489625	1		
A6 A4	+12V,-12V, +24V SERIES PASS PCB ASSEMBLY	489658	89536	489658	1		
Н1	NUT. SELF LOCKING, 4-40	195255	89536	195255	6		
H2	NIT 6_32	110569	89536	110569	2		
H4	SCREW, SELF LOCKING, 4-40 X 1/2	353060	89536	353060	2		
H5	SCREW. CAP. 4-40 X 1/2	528307	89536	528307	6		
H6	SCREW, SELF LOCKING, 4-40 X 1/2 SCREW, CAP, 4-40 X 1/2 SCREW, SELF LOCKING, 4-40 X 1/4	185918	89536	185918	7		
н7	SCREW, FHP, 4-40 X 1/4 SCREW, CAP, 4-40 X 1 1/4	114884	89536	114884	2		
н8	SCREW. CAP. 4-40 X 1 1/4	528315	89536	528315	4		
H10	SCREW. FHP. 6-32 X 1/4	320093 528281	89536	320093	4		
H11	SCREW, FHP, 4-40 X 1/4 SCREW, CAP, 4-40 X 1 1/4 SCREW, FHP, 6-32 X 1/4 SCREW, CAP, 6-32 X 1/4	528281	89536	528281	8		
H12	SCREW, SELF LOCKING, 6-32 X 3/8	177022	89536	177022	4		
Н13	SCREW, FHP, 6-32 X 3/4 SCREW, CAP, 8-32 X 3/8 SCREW, FHP, 8-32 X 3/8 WASHER, FLAT	114504	89536	114504	2		
H14	SCREW, CAP, 8-32 X 3/8				Ħ		
H15	SCREW. FHP. 8-32 X 3/8	114116	89536	295105 114116 176743	10		
H16	WASHER. FLAT	176743	89536	176743	2		
H17	WASHER, LOCK, #6	110338	89536	110338	2		
MP1	BRACKET. REAR CORNER ASSEMBLY	540690	89536	540690	2		
MP2	BRACKET, REAR CORNER ASSEMBLY BRACKET, A6A2 SUPPORT	468835	89536	468835	1		
MP3	CONNECTOR HOUSING, 4-PIN	46 1210	89536	46 12 10	1		
MP4	CONTACT, CRIMP	46 1236	89536	46 1236	2		
MP5	COVER, RF OUT	538256	89536	538256	1		
MP8	FAN & REGULATOR	501312	89536	501312	1		
MP9	HANDLE, BLACK PLASTIC	394312	89536	394312	2		
MP10	POLARIZING KEY	461228	89536	46 1228	1		
MP11	REAR PANEL			462366	1		
MP12	SHIELD, MAGNETIC	616946	89536	6 16 946	1		
	1 PART OF THE A5 SECTION						

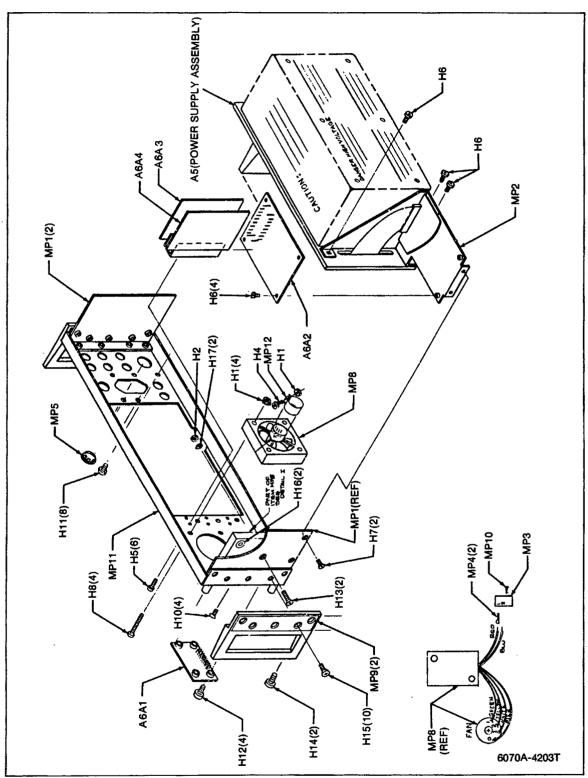


Figure 6-34. A6 Rear Panel Assembly

Table 6-35. A6A1 IEEE Connector PCB Panel Assembly

REF Des	DESCRIPTION	FLUKE STOCK ND.	MFG SPLY CODE	MFG. PART ND.	TOT QTY	REC QTY	O
A6 A1	IEEE CONNECTOR PCB ASSEMBLY FIGURE 6-35 (6070A-4019T)	457903	89536	457903	REF		
H1	SCREW, CONNECTOR MOUNTING	429472	89536	429472	2		
H2	Lockwasher, #8	111070	89536	111070	2		
J1	CONNECTOR. POST	267500	00779	87022-1	33		
J2	CONNECTOR, FEMALE, 24-PIN	441337	02660	57-20240-8	1		
S1	SWITCH, SPST, 8-POS	414490	00779	435166-5	1	1	
XS1	SOCKET, 16-PIN	572347	00779	640358-1	1		

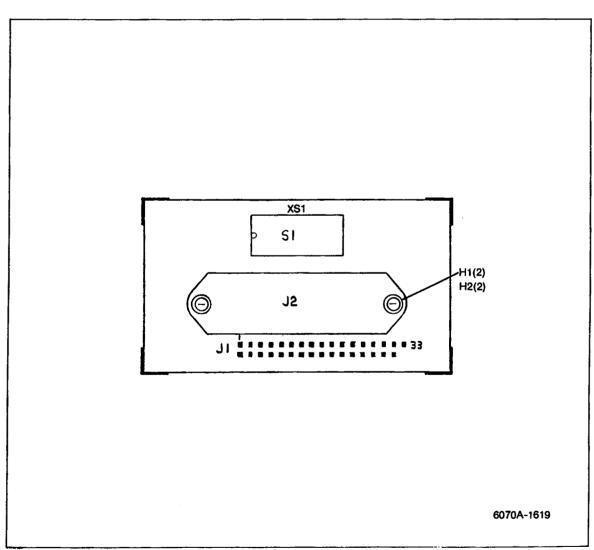


Figure 6-35. A6A1 IEEE Connector PCB Panel Assembly

Table 6-36. A6A2 Series Pass Mother Board PCB Assembly

REF DES	DESCRIPTION	FLUKE STOCK No.	MFG SPLY CODE	MFG. PART NO.	TOT QTY	REC QTY
A6 A2	SERIES PASS MOTHER BOARD PCB ASSEMBLY FIGURE 6-36 (6070A-4030T)	489591	89536	489591	REF	
C1 C2	CAP, ELECT, 330 UF +/-20\$, 6V CAP, ELECT, 330 UF +/-20\$, 6V	501288 501288	90201 90201	-	3 Ref	
C3	CAP, ELECT, 330 UF +/-20\$, 6V CAP, ELECT, 150 UF +/-20\$, 15V CAP, ELECT, 150 UF +/-20\$, 15V CAP, ELECT, 47 UF +/-20\$, 35V CAP, ELECT, 1000 UF -10/+50\$, 16V	501288	90201	THF330G6	REF	
C4	CAP, ELECT, 150 UF +/-20%, 15V	501270	90201	THF150G15	2	
C5	CAP, ELECT, 150 UF +/-20%, 15V	501270	90201	THF150G15	REF	
C6	CAP, ELECT, 47 UF +/-20\$, 35V	501262	90201	THF47G35	1	
.C7	CAP, ELECI, 1000 OF -10/+50%, 164	193896	80031	ET102X016A02	1	
C8	CAP, TA, 68 UF, 6V/8V	519702	56289	196D686X0008KE4	2	
C9	CAP, TA, 68 UF, 6V/8V	519702			REF	
CR1	DIODE, SI, RECTIFIER	116111	05277	1N4817	6	2
CR2	DIODE, SI, RECTIFIER	116111			REF	
CR3	DIODE, SI, RECTIFIER	116111	05277	1N4817	REF	
CR4	DIODE, SI. RECTIFIER	116111	05277	1N4817	REF	
CR5	DIODE. SI. RECTIFIER	116111			REF	
CR6	DIODE, SI, RECTIFIER	116111			REF	
CR7	DIODE, SI, RECTIFIER, 1 AMP	368738		· · · · · · ·	3	1
CR8	DIODE, SI, RECTIFIER DIODE, SI, RECTIFIER DIODE, SI, RECTIFIER DIODE, SI, RECTIFIER, 1 AMP DIODE, SI, RECTIFIER, 1 AMP	368738	04713	1N4004	REF	
CR9			01/243	4 X h O O h	nes	
CR10	DIODE, SI, RECTIFIER, 1 AMP DIODE, SI, HIGH SPEED SWITCHING	368738 203323			REF	2
CR11	DIODE, SI, HIGH SPEED SWITCHING	203323			7 REF	2
CR12	DIODE, SI, HIGH SPEED SWITCHING	203323			REF	
CR13	DIODE, SI, HIGH SPEED SWITCHING	203323			REF	
CR14	DIODE, SI, HIGH SPEED SWITCHING	203323			REF	
CR15	DIODE, SI, HIGH SPEED SWITCHING	203323	07910	1N4448	REF	
CR16 J1	DIODE, SI, HIGH SPEED SWITCHING CONNECTOR, 12-PIN	203323	27264	00 00 1133	REF 1	
J4	CONNECTOR, 12-FIN	512178	27264	1N4448 09-80-1123 09-80-1063	2	
	,	- •	•	•		
J5	CONNECTOR, 6-PIN			09-80-1063	REF	
J6	CONNECTOR, POST			87022-1	REF	
J7 18	CONNECTOR, POST			87022-1 87022-1	REF REF	
J8 L1	CONNECTOR, POST INDUCTOR	497297		87022-1 497297	нег 1	
			-,,,,,	-21-21	•	
Q1	TRANSISTOR, SI, NPN TRANSISTOR, SI, NPN RES, MTL. FILM, 4.42K +/-1%, 1/8W RES, MTL. FILM, 4.42K +/-1%, 1/8W RES, MTL. FILM, 4.42K +/-1%, 1/8W	453431			2	1
Q2	TRANSISTOR, SI, NPN	453431			REF	
R1	RES, MTL. FILM, 4.42K +/-1%, 1/8W	288514		CMF554421F	3	
R2	NEO, MIL. FILM, 4.42K +/-1%, 1/8W	280514		CMF554421F	ref ref	
R3	nes, mil. film, 4.42K +/-13, 1/0W	288514	91637	CMF554421F	ALF	
R4	RES, MTL. FILM, 11.3K +/-1%, 1/8W	293639	91637	CMF551132	1	
R5	RES, MTL. FILM, 2.26K +/-1%, 1/8W	328294	91637	CMF552261F	1	
R6	RES, MTL. FILM, 23.2K +/-1%, 1/8W	291351	91637		1	
R7	RES, DEP. CAR, 3K +/-5%, 1/4W	441527	80031		1	
TP1-TP9	CONNECTOR, TEST POINT	512889	00779	62395-1	9	
XA6A3P1	CONNECTOR, POST	267500	00779	87022-1	49	
XA6 A4 P1	CONNECTOR, POST	267500		87022-1	REF	

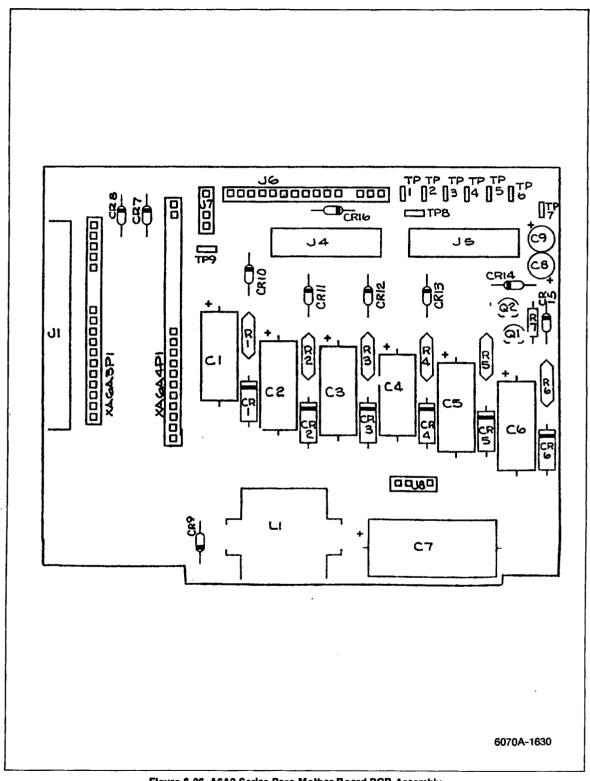


Figure 6-36. A6A2 Series Pass Mother Board PCB Assembly