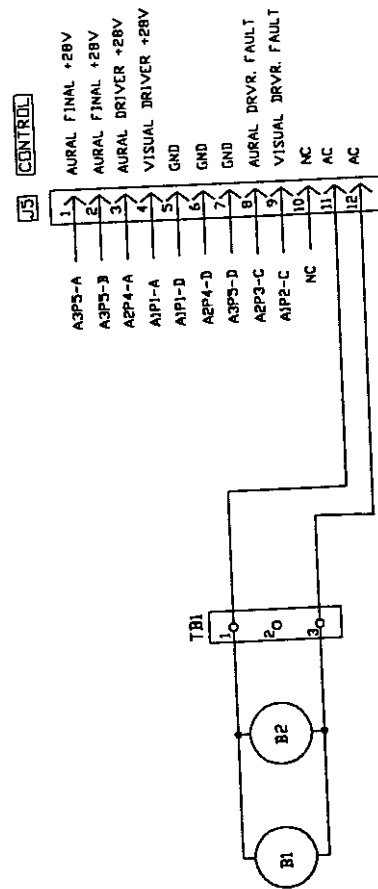
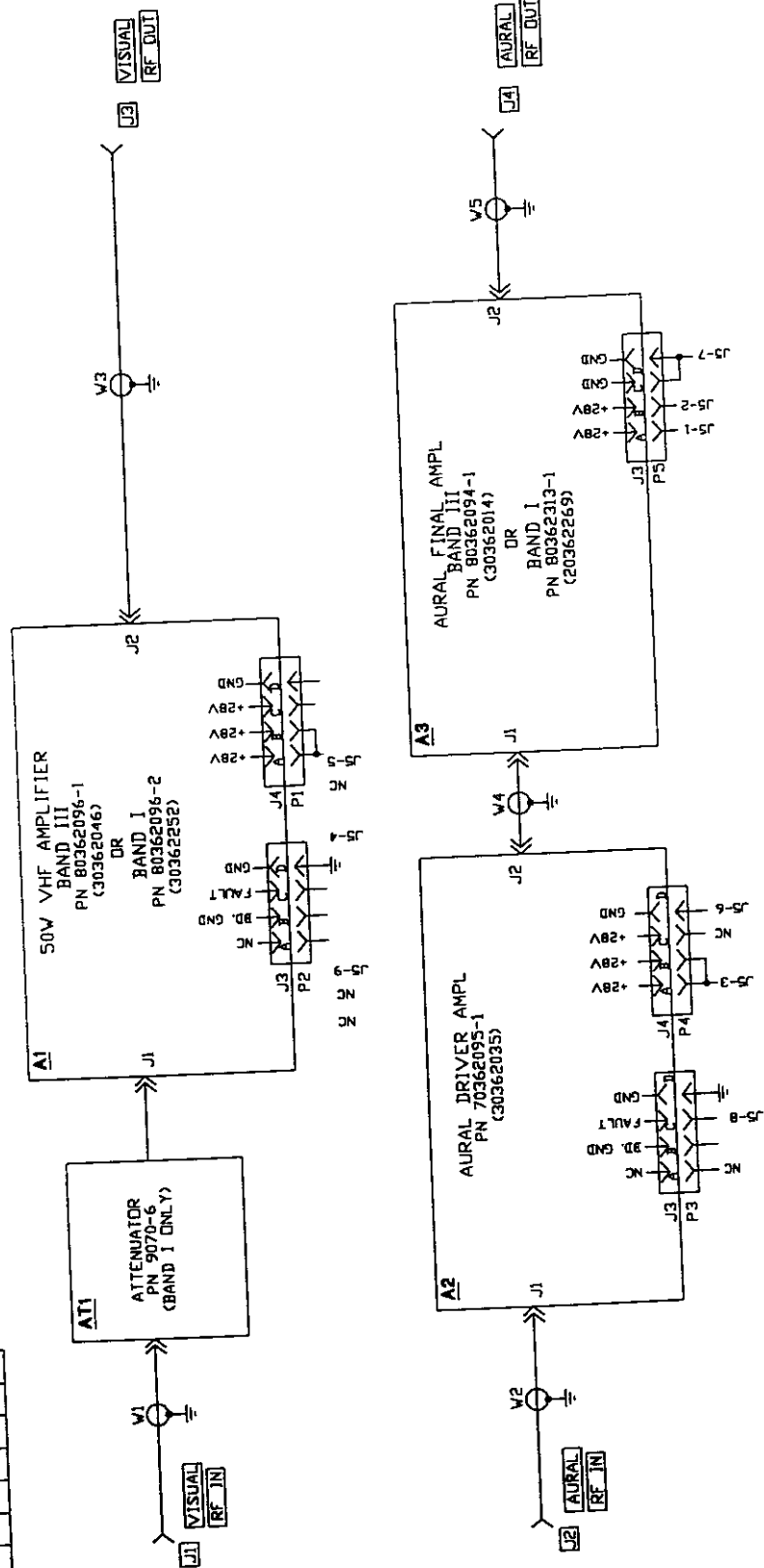
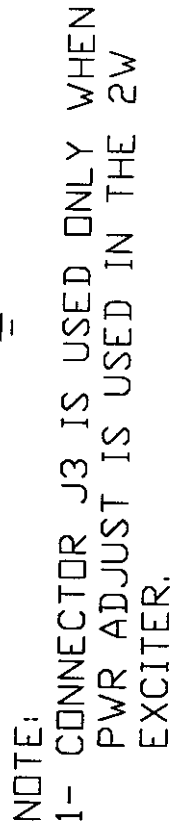




348	4/13/98	A.C.	ADDED A11						
54	8-16-95	VN	VN A1 & A2J4-C WAS CONNECTED TO A & B		CTT	CHK	CHK	APPL	RN
ECN	DATE	BY							
NEXT DATE			RELEASE AT REV 34		INTERCONNECTION				
VERSION			DRAFT	5-8-94	VN				
MODEL			DIG. CHK	6-29-94	CTT				
SCALE			H. ENGR						
			E. ENGR	2-11-98	RN				
			RELEASE	2-11-98	RN				
TELEPHONE - CHECK AT NOTED			EMCEE		EMCEE		REV		
DECIMAL	JCS : AM		BROADCAST		BROADCAST		A		
FRAGMENTAL	JCS : JAW		PRODUCTS		PRODUCTS		30362006		
ANGULAR	2 X2 DEG		INC.		INC.		SHEET 1 OF 1		

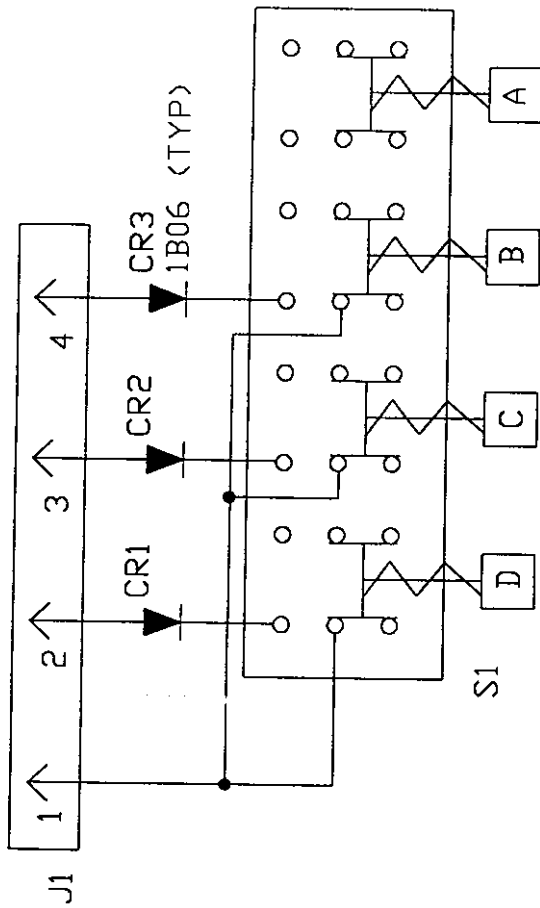
MODULE SCHEMATICS
ARE LISTED IN
ALPHANUMERICAL SEQUENCE

Q1	CR3	R5	C4	E4	L1	J3
----	-----	----	----	----	----	----

[illegible]

A	7/1/91	TAB	ADDED J3 & NOTE-1.				C.T.T.		C.T.T.
ECN	DATE	BY	COMP	RELEASED AT REV 53			CHK	CHK	APPV'L
NEXT ASSY: 503311257			DRAFT	4-1-88	C.T.T.				
VERSION			DR. CHK						
MODEL			M. ENGR						
SCALE			E. ENGR						
			RELEASE	5-27-89	R.N.				
TOLERANCES - EXCEPT AS NOTED			ELECTRONICS MISSILES & COMMUNICATIONS INC.						
DECIMAL			XX ± .010 XXX ± .005						
FRACTIONAL			± 1/64"						
ANGULAR			± 1/2 DEG						
			10331255			REV A			
			SHEET 1			OF 1			

(PS1) (PS2) (PS3)
METER (+) +12V +12V +12V



151	5-26-93	C.T.T.	ADDED DIODES CR1, 2, AND 3	C.T.T.	RGN	RGN
ECN	DATE	BY		CHK	CHK	APPV'L
NEXT ASSY:			DRAFT	11-14-86	C.T.T.	
VERSION			DR. CHK	12-4-86	W.J.H.	
MODEL			M. ENGR			
SCALE			E. ENGR			
TOLERANCES - EXCEPT AS NOTED			RELEASE	1-17-87	RGN	
DECIMAL .XX ± .010			SCHEMATIC DIAGRAM, METERING SWITCH (TSA100)			
FRACTIONAL .XXX ± .005						
ANGULAR ± 1/64°						
			ELECTRONICS MISSILES & COMMUNICATIONS INC.			REV B
			10342009			
			SHEET 1			OF 1

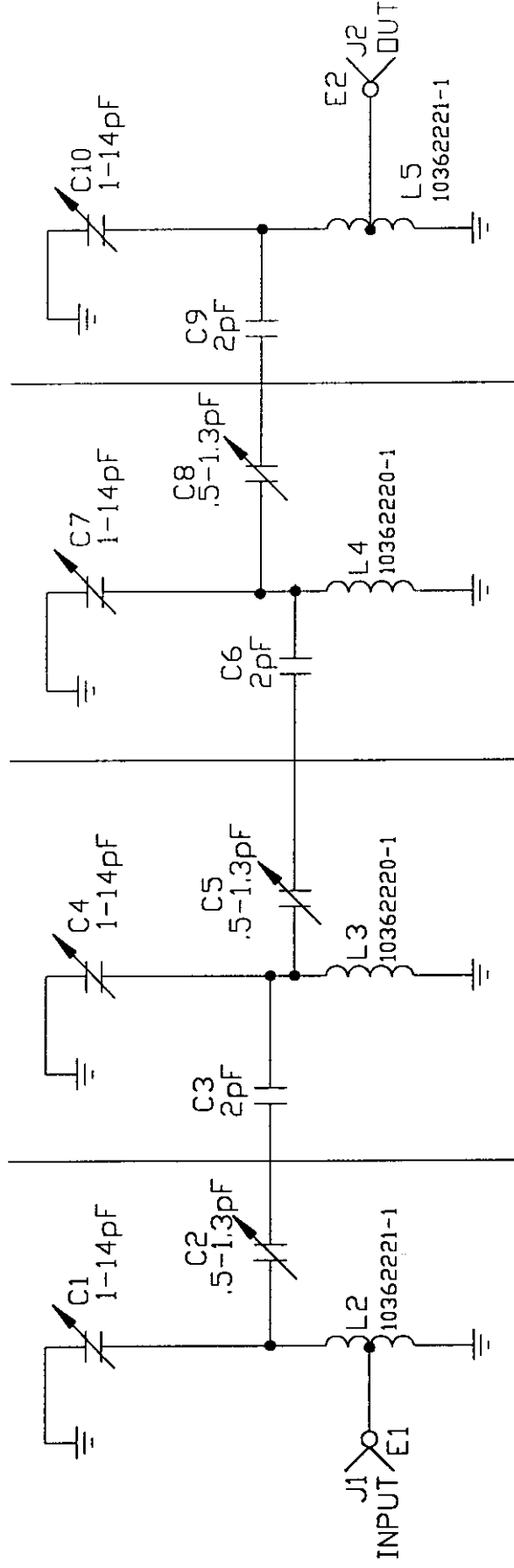
WHITE HAVEN, PA. 18661

HIGHEST REFERENCE DESIGNATIONS									
C10	L5	J2	E2						

REFERENCE DESIGNATIONS NOT USED									
L1									

NOTE:

1- CONNECTORS J1 & J2 ARE
NOT LOCATED ON PC BOARD.



RELEASED AT REV 53

ECN	DATE	BY	CHK	CHK	APPV/L
NEXT ASSY: SEE DASH NO. ON DWG.	DRAFT	7-27-94	VN		
VERSION	DR. CHK	8-17-94	CTT		
MODEL	M. ENGR				
SCALE	E. ENGR	8-18-94	JL		
	RELEASE	6-14-95	RGN		
TOLERANCES - EXCEPT AS NOTED			ELECTRONICS MISSILES & COMMUNICATIONS INC.		
DECIMAL	XX	± .010			
FRACTIONAL	XXX	± .005			
ANGULAR		± 1/64°			
		± 1/2 DEG			
SCHEMATIC DIAGRAM, BANDPASS FILTER BAND III			10362113		
			REV 53		
			SHEET 1 OF 1		

WHITE HAVEN, PA. 18661

HIGHEST REFERENCE DESIGNATIONS

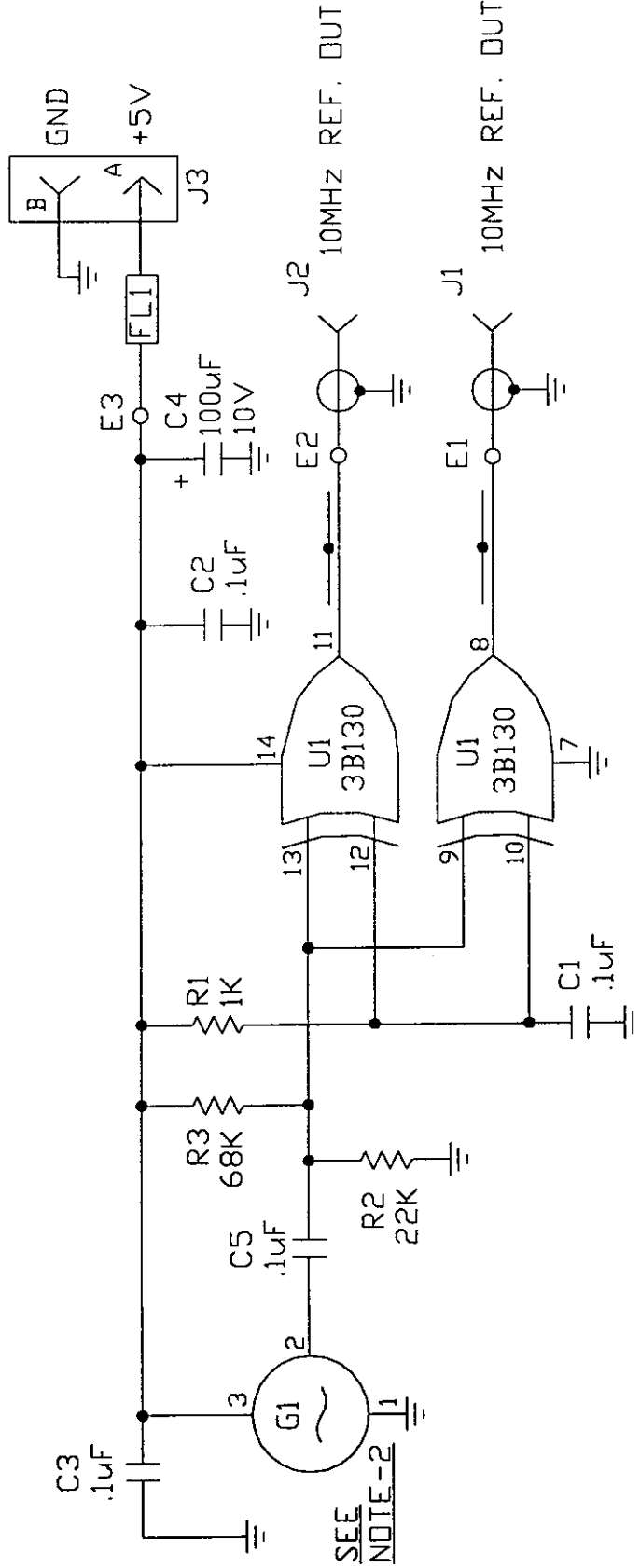
C5	R3	U1	G1	E3	J3	FL1
----	----	----	----	----	----	-----

REFERENCE DESIGNATIONS NOT USED

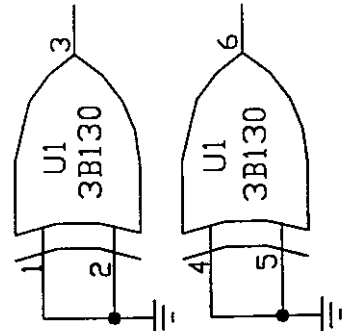
--	--	--	--	--	--	--

NOTES: UNLESS OTHERWISE SPECIFIED

- COMPONENTS FL1 AND J1-J3 ARE NOT LOCATED ON BD ASSY.
- FOR G1 (RTX0771AD), R2 IS 47K, C5 IS A 0 OHM RESISTOR AND R3 IS REMOVED.



SPARE



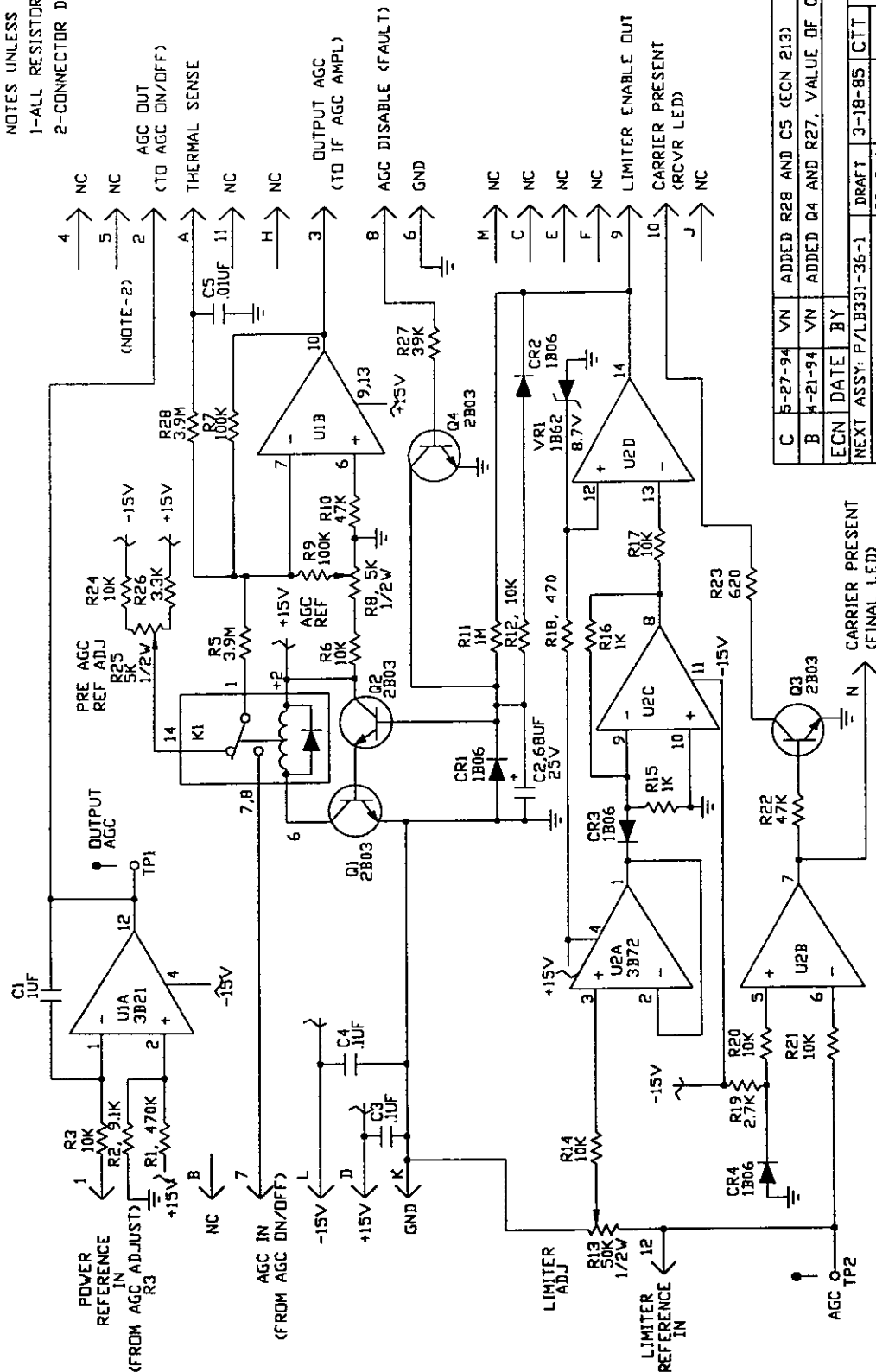
B	12/10/98	TAB	ADDED NOTE-2.	CTT	CTT
293	8-10-95	VN	ADDED C5, R3; R2 VALUE WAS 4.7K	CTT	DB
ECN	DATE	BY	RELEASED AT REV 57	CHK	CHK APPV'L
NEXT ASSY:			DRAFT	7-03-90	SMP
VERSION			DR. CHK	10-4-90	CTT
MODEL			M. ENGR		
SCALE			E. ENGR	11-8-90	JL
TOLERANCES - EXCEPT AS NOTED			RELEASE	6-14-95	BN
DECIMAL					
FRACTIONAL					
ANGULAR					
SCHEMATIC DIAGRAM, REF. OSCILLATOR					
10368037				REV	B
SHEET 1				OF	1

ELECTRONICS
MISSILES &
COMMUNICATIONS
INC.

EMCEE

WHITE HAVEN, PA. 18661

NOTES UNLESS OTHERWISE SPECIFIED
 1-ALL RESISTORS VALUED AT 1/4W, 5%
 2-CONNECTOR DESIGNATIONS ARE P.C. FINGERS



C	5-27-94	VN	ADDED R28 AND C5 (ECN 213)	CTT	JL	RGN
B	4-21-94	VN	ADDED Q4 AND R27, VALUE OF C2 WAS 10 UF	CTT	JMJ	JMJ
ECN	DATE	BY		CHK	CHK	APV/L
NEXT ASSY:	P/LB331-36-1			DRAFT	3-18-85	CTT
VERSION				DR. CHK		
MODEL				M. ENGR		
SCALE	NONE			E. ENGR	4-25-86	JMJ
TOLERANCES - EXCEPT AS NOTED				RELEASE	4-25-86	JMJ
DECIMAL	XX : .010					
FRACTIONAL	2 : 1/64					
ANGULAR	2 : 1/2 DEG					

SCHEMATIC DIAGRAM,
 LIMITER/OUTPUT
 AGC CONTROL

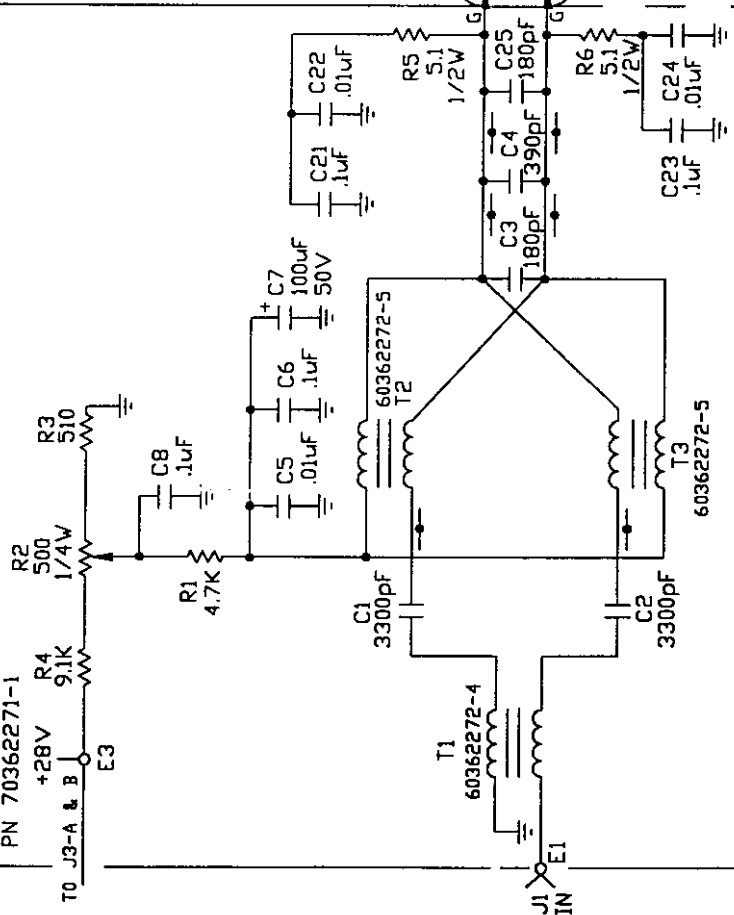
B	331-34	REV	c
SHEET	1	OF	1

HIGHEST REFERENCE DESIGNATIONS	
U2 Q4 R28 C5 CR4 VR1 K1 TP2	
REFERENCE DESIGNATIONS NOT USED	
R4	

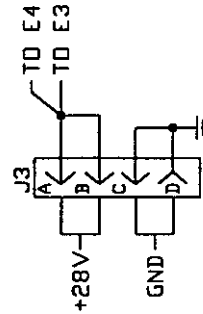
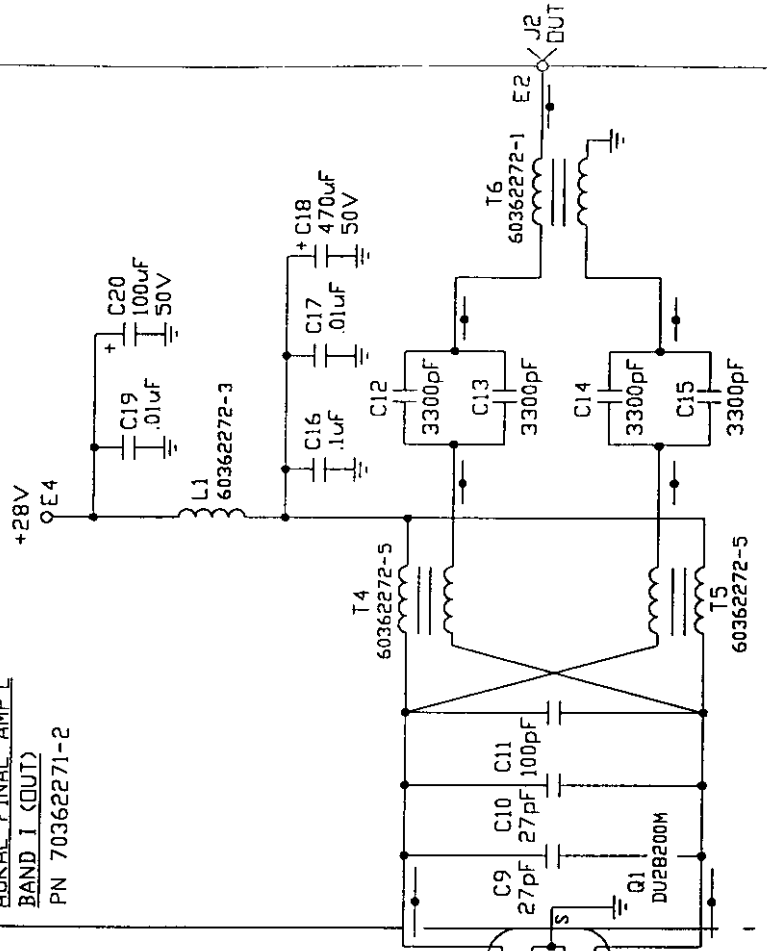
EMCEE
 MISSILES &
 COMMUNICATIONS
 INC.
 WHITE HAVEN, PA 18661

CAD DWG. 4-21-94

PC1
AURAL FINAL AMP'L
BAND I (IN)
PN 70362271-1



PC2
AURAL FINAL AMP'L
BAND I (OUT)
PN 70362271-2



NOTES:

- 1- COMPONENTS J1, 2, 3, & Q1, T1, T6, AND C25 ARE NOT LOCATED ON PCB ASSEMBLIES.

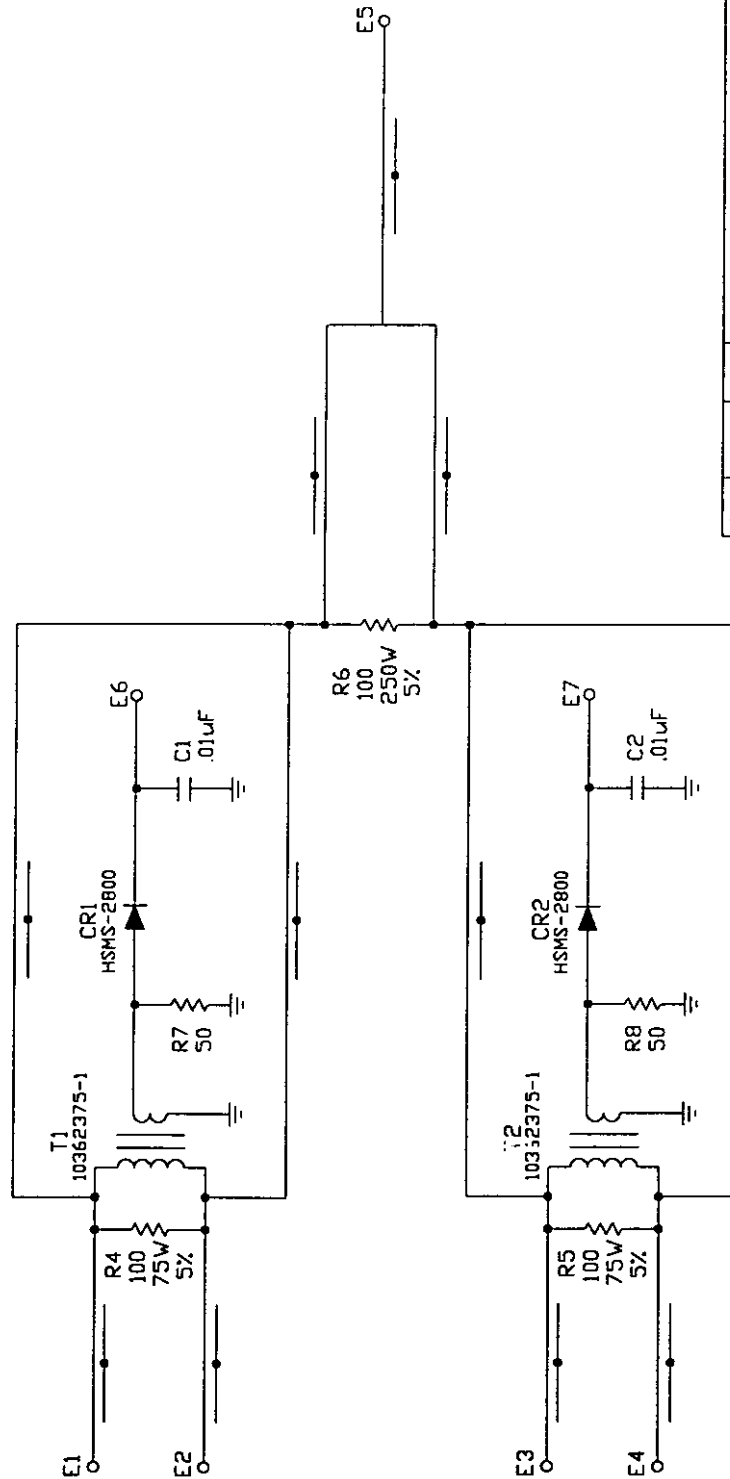
HIGHEST REFERENCE DESIGNATIONS					
C25	Q1	J3	E4	PC2	T5
REFERENCE DESIGNATIONS NOT USED					
T1	T6				

393	4/24/97	CMG	PC1-R4 WAS 2.4K, R2 WAS 5K, & R3 WAS 1K.	C.T.T.	RGN
165	12/4/95	AC	C3 WAS 270pF, C4 WAS 510pF, C11 WAS 39pF AND ADDED C25.	C.T.T.	RGN
S2	6-1-95	AC	CHANGED C9 & T6 FROM 510pF TO 39pF, C11 FROM 510pF TO 39pF, CHANGED T1 FROM 60362272-1 TO 60362272-4, T2 - T5 FROM 60362272-2 TO 60362272-5 AND REMOVED T1 & T6.	C.T.T. D.B.	RGN
ECN	DATE	BY		CHK	CHK APPV'L
NEXT ASSY:					
DRAFT 3-13-95 AC					
DR. CHK 4-3-95 C.T.T.					
VERSION EG & G M. ENGR					
MODEL E. ENGR					
SCALE 5-3-95 JMJ					
RELEASE 2/11/98 RGN					
TOLERANCES - EXCEPT AS NOTED					
DECIMAL .XX : .005					
FRACTIONAL : 1/64"					
ANGULAR : 1/2 DEG					
EMCEE BROADCAST PRODUCTS INC. WHITE HAVEN, PA. 18661					
SCHEMATIC DIAGRAM, AURAL FINAL AMPLIFIER BAND I					
20362269					
REV 54					
SHEET 1 OF 1					

HIGHEST REFERENCE DESIGNATIONS			
E7	R8	CR2	T2
REFERENCE DESIGNATIONS NOT USED			
R1	R2	R3	

NOTE:

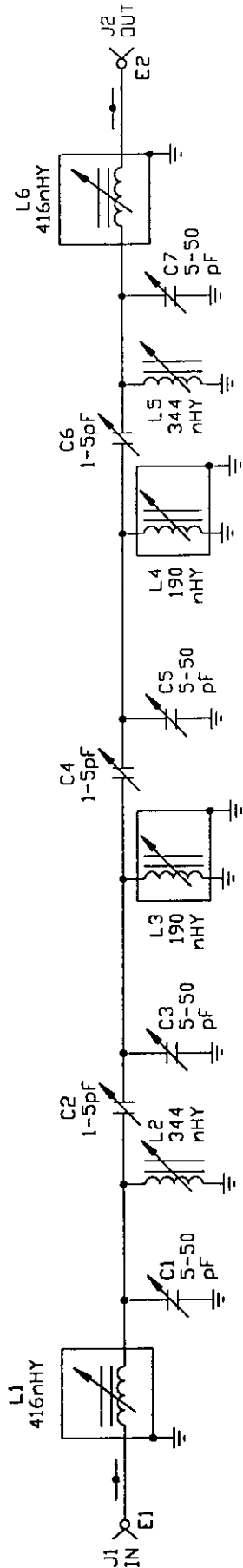
1- COMPONENTS R4, 5, 6, AND T1 & T2
ARE NOT ON



ECN	DATE	BY	CHK	CHK	APPR
NEXT ASSY:			DRAFT	10/14/95	A.C.
VERSION			DR. CHK	10/23/95	C.T.T.
MODEL			M. ENGR		
SCALE			E. ENGR	2-11-98	RGN
TOLERANCES - EXCEPT AS NOTED			RELEASE	2-11-98	RGN
DECIMAL	.XX	± .010			
FRACTIONAL	.XXX	± .005			
ANGULAR	± 1/64"				
EMCEE			ELECTRONICS MISSILES & COMMUNICATIONS INC. WHITE HAVEN, PA 18661		
SCHEMATIC DIAGRAM, OUTPUT COMBINER FAULT CIRCUIT BAND 1			REV 51		
20362373			SHEET 1 OF 1		

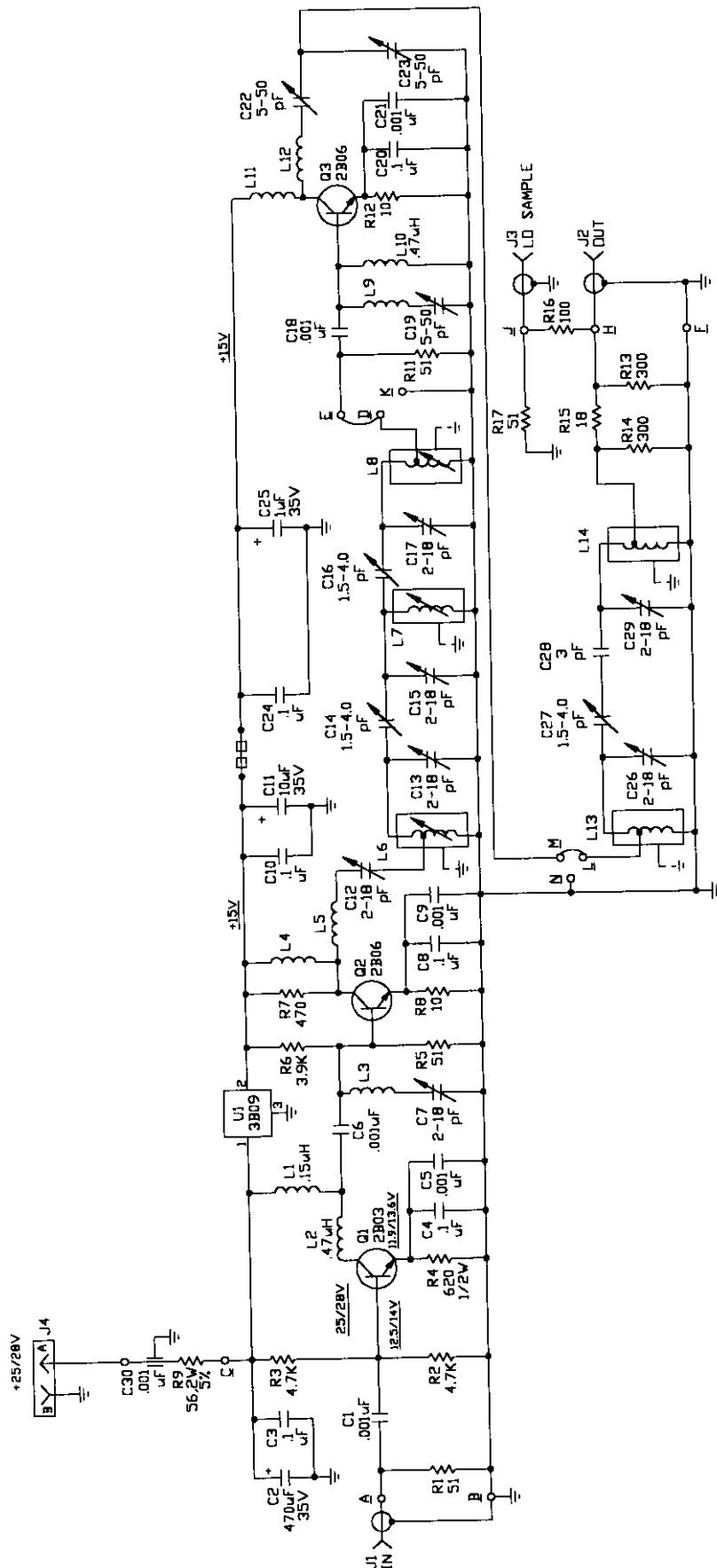
HIGHEST REFERENCE DESIGNATIONS									
J2	C7	L6	E2						

REFERENCE DESIGNATIONS NOT USED									



ECN	DATE	BY	CHK	CHK	APPV
NEXT ASSY:			SCHEMATIC DIAGRAM, BANDPASS FILTER VHF CH 2-6		
VERSION			DRAFT	8/13/97	TAB
MODEL			DR. CHK	8/22/97	CTT
SCALE			M. ENGR		
			E. ENGR		
			RELEASE		
TOLERANCES - EXCEPT AS NOTED			EMCEE BROADCAST PRODUCTS INC.		
DECIMAL	.XX ± .010 XXX ± .005		EMCEE		
FRACTIONAL	± 1/64"		EMCEE		
ANGULAR	± 1/2 DEG		EMCEE		
			20362428		
			REV S1		
			SHEET 1 OF 1		
			WHITE HAVEN, PA. 18661		

NOTES : UNLESS OTHERWISE SPECIFIED
 1-THE SYMBOL $\ominus$ DENOTES A FERRITE BEAD.
 2-ALL RESISTORS ARE 1/4W, 5%
 3-COMPONENTS J1,J2,J3,J4,R9 AND C30 ARE
 MOUNTED ON THE MODULE CAN.



D	8-16-94	VN	C11 WAS 47uF	C.T.T.	RGN	RGN
C	1-2-90	TAB	CHANGED TRANSISTOR VOLTAGES, ADDED J2,J4-R9 TO NOTE 2	C.T.T.	RGN	RGN
6796	7-5-89	CAB	ADDED RESISTOR R9	C.T.T.	RGN	RGN
ECN	DATE	BY		CHK	CHK	APPRVL
NEXT ASSY. SEE DASH NO. 18-30-84 W.J.H.						
PL C30-16-1 PL B33-19-1 1P. CHK 8-31-84 C.T.T.						
VERSION N ENGR						
MODEL E ENGR 4-25-86 J.M.J.						
SCALE N/A						
TOLERANCES - EXCEPT AS NOTED						
DECIMAL .1 .1% .1% .1% .1% .1% .1%						
FRACTIONAL 1/10 1/100 1/1000 1/10000 1/100000 1/1000000 1/10000000						
ANGULAR 10-9-95 2-1/2 DEG						

SCHEMATIC DIAGRAM,
 X4
 MULTIPLIER

C 331-24	REV D
SHEET 1	OF 1

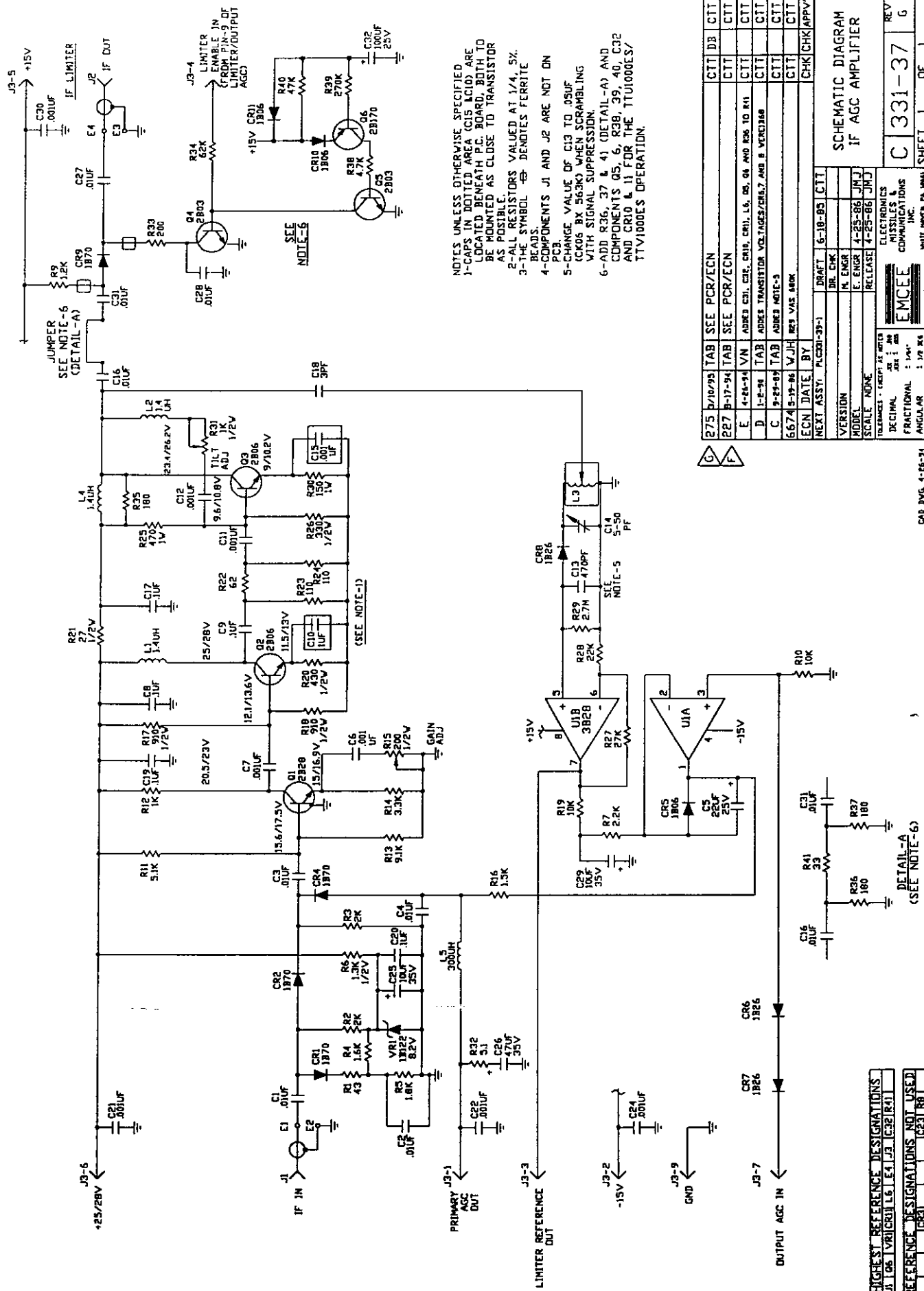
HIGHEST REFERENCE DESIGNATIONS	
C30 L14 R17 J4 Q3 U1	
REFERENCE DESIGNATIONS NOT USED	
R10	

CAD 3146 10-9-95

EMCEE

ELECTRONICS
 MISSILES &
 COMMUNICATIONS
 INC.

NOTE: APPROX. PA. 1980



NOTES UNLESS OTHERWISE SPECIFIED
 1-CAPS IN DOTTED AREA (CIS ACID) ARE LOCATED BENEATH P.C. BOARD, BOTH TO BE MOUNTED AS CLOSE TO TRANSISTOR AS POSSIBLE.
 2-ALL RESISTORS VALUED AT 1/4, 5%.
 3-THE SYMBOL $\ominus$ DENOTES FERRITE BEADS.
 4-COMPONENTS J1 AND J2 ARE NOT ON PCB.
 5-CHANGE VALUE OF C13 TO .05UF (CK06 BX 563K) WHEN SCRAMBLING WITH SIGNAL SUPPRESSION.
 6-ADD R36, 37 & 41 (DETAIL-A) AND COMPONENTS Q5, 6, R38, 39, 40, C32 AND C10 & 11 FOR THE TTU1000ES/TTU1000ES OPERATION.

275	5/10/79	TAB	SEE PCR/ECN	CTT	DB	CTT
287	5/17/94	TAB	SEE PCR/ECN	CTT		CTT
E	4-24-94	VN	ADDED C31, C32, C33, C34, L6, Q6, Q7 AND R38 TO R41	CTT		CTT
D	1-2-98	TAB	ADDED TRANSISTOR VOLTAGES/RES.7 AND 8 VER0388	CTT		CTT
C	9-29-89	TAB	ADDED NOTE-5	CTT		CTT
6674	5-19-86	VJH	RES VAS. 680K	CTT		CTT
ECN	DATE	BY	PLC001-37-1	DRAFT	6-18-85	CTT
NEXT	ASST.	PLC001-37-1		JBL	CHK	
VERSION				M	ENGR	
MODEL				E	ENGR	4-25-86 JHJ
SCALE				RELEASE	4-25-86 JHJ	
TOLERANCES				EXCEPT AS NOTED		
DECIMAL				AS NOTED		
FRACTIONAL				AS NOTED		
ANGULAR				AS NOTED		

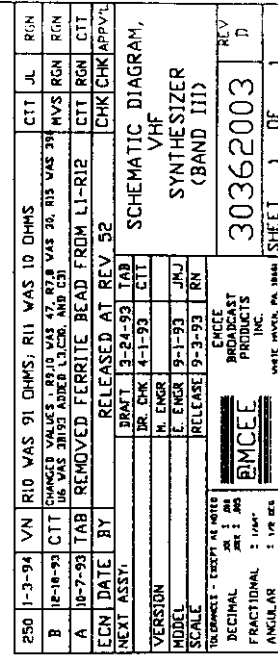
SCHEMATIC DIAGRAM
 IF AGC AMPLIFIER

EMCEE
 ELECTRONICS
 COMMUNICATIONS
 INC.

C 331-37
 SHEET 1 OF 1
 REV 6

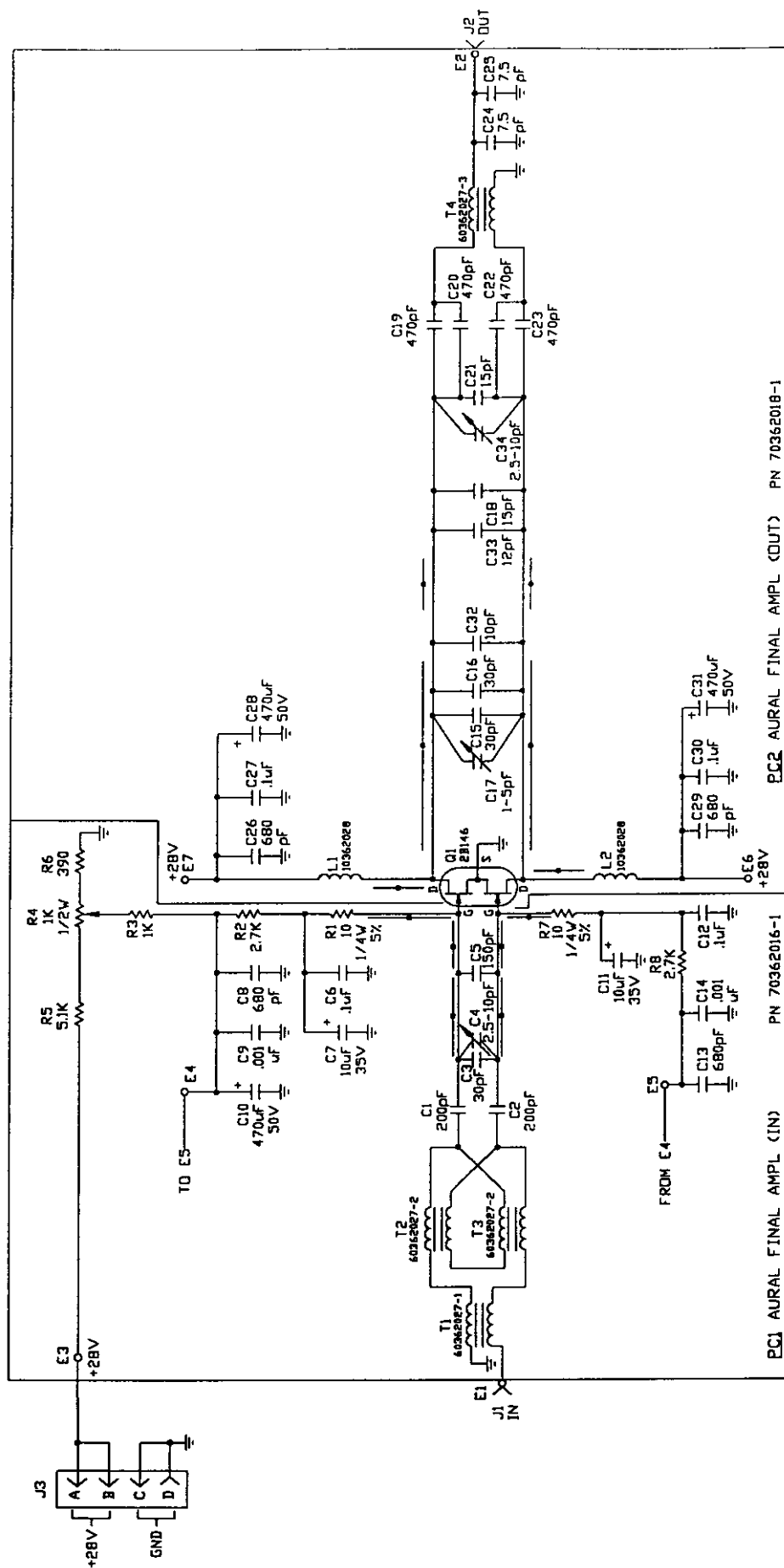
DETAIL-A
 (SEE NOTE-6)

HIGHEST REFERENCE DESIGNATIONS
 U1, Q6, V1, R1, L6, E4, J3, C32, R41
 REFERENCE DESIGNATIONS NOT USED
 C33, R8



HIGHEST REFERENCE DESIGNATIONS
C34 T4 L2 Q1 J3 J7 R8 PCB FL1
REFERENCE DESIGNATIONS NOT USED

NOTES: UNLESS OTHERWISE SPECIFIED,
1- COMPONENTS J1, 2, 3, FL1, AND Q1
ARE NOT PART OF PC BOARDS.
ASSEMBLIES.



PC1 AURAL FINAL AMPL (IN) PN 70362016-1

PC2 AURAL FINAL AMPL (OUT) PN 70362018-1

ECN	DATE	BY	CHK	CHK	APPV
NEXT ASST					
VERSION	3/19/93	TAB			
MODEL					
SCALE					
RELEASE					
DECIMAL					
FRACTIONAL					
ANGULAR					
EMCEE					
EMCEE BROADCAST PRODUCTS INC.					
30362014					
REV 56					
SHEET 3					
DF					
1					

SCHEMATIC DIAGRAM,
AURAL FINAL
AMPLIFIER,
BAND III

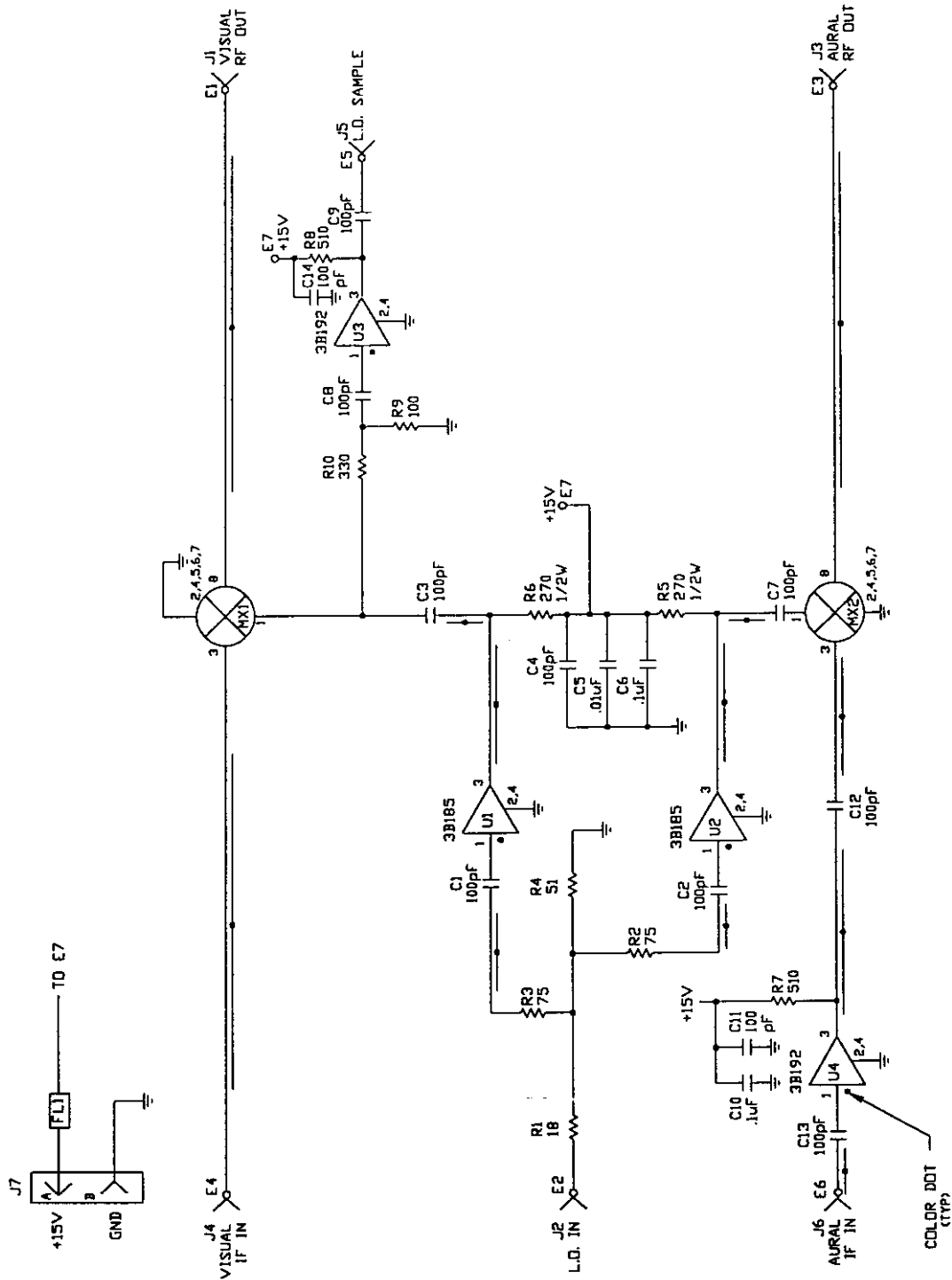
30362014

EMCEE

EMCEE BROADCAST PRODUCTS INC.

WHITE HAVEN, PA 18441

HIGHEST REFERENCE DESIGNATIONS
 C14 E7 R10 MX2 U4
 REFERENCE DESIGNATIONS NOT USED



ECN	DATE	BY	CHK	CHK	APPROV
NEXT ASSY					
VERSION	3-17-93	TA3			
MODEL	DIR. CHG	6-3-93	CTT		
SCALE	M. ENGR				
	E. ENGR				
	RELEASE				
TELECOMMUNICATIONS - EXCEPT AS NOTED					
DECIMAL	300	1	MM		
FRACTIONAL	1/4"				
ANGULAR	1/4	MS			
ELECTRONICS					
MISSILES & COMMUNICATIONS					
INC.					
30362024					
REV 53					
SHEET 1 OF 3					

EM109

100

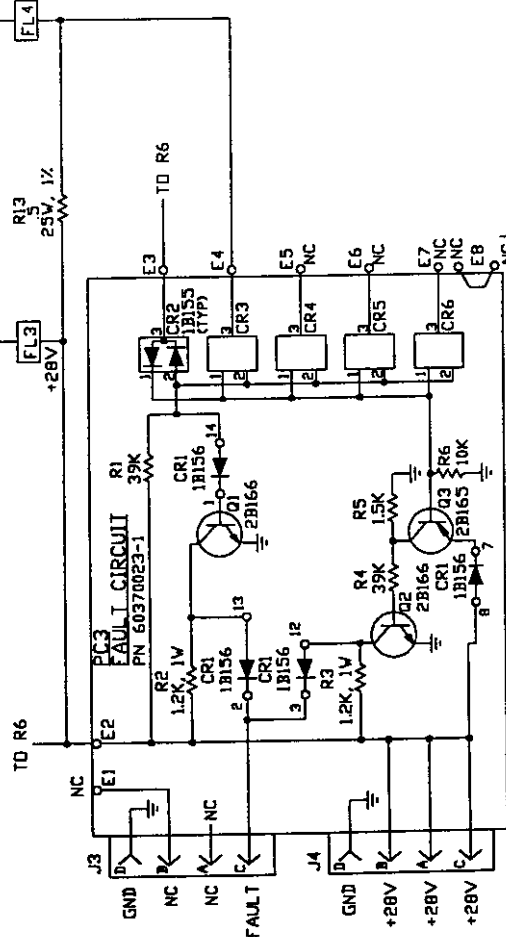
100



HIGHEST REFERENCE DESIGNATIONS			
CR6	E8	J4	R6 Q3
REFERENCE DESIGNATIONS NOT USED			
J1	J2		

PC3

NOTES: UNLESS OTHERWISE SPECIFIED.
1- COMPONENTS Q1, J1, 2, R6, 13 AND
FL1-FL4 ARE NOT PART OF PC
BOARD ASSEMBLIES.



56	4/17/95	TAB	REVISED REF DES. BLOCKS.			CTT	RGN	RGN
EN	DATE	BY	RELEASED AT REV 56			CHK	CHK	APPV
	NEXT ASSY		DRAFT 10-18-93	TAB				
	VERSION		DR. CHART 7-26-94	CTT				
	MODEL		M. EMGR					
	SCALE		C. EMGR 1/11/95	JL				
			RELEASE 6-14-95	RGN				
EMCEE ENGINEERING DESIGN PRODUCTS INC. 1000 N. WYOMING AVE. S.W. ALBUQUERQUE, NM 87102								
DECIMAL	FRACTIONAL	1/4"						
ANGULAR	1/8 DEG							
EMCEE ENGINEERING DESIGN PRODUCTS INC. 1000 N. WYOMING AVE. S.W. ALBUQUERQUE, NM 87102								
30362046	REV	56						
SHEET 1	OF 1							

HIGHEST REFERENCE DESIGNATIONS	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144	E145	E146	E147	E148	E149	E150	E151	E152	E153	E154	E155	E156	E157	E158	E159	E160	E161	E162	E163	E164	E165	E166	E167	E168	E169	E170	E171	E172	E173	E174	E175	E176	E177	E178	E179	E180	E181	E182	E183	E184	E185	E186	E187	E188	E189	E190	E191	E192	E193	E194	E195	E196	E197	E198	E199	E200	E201	E202	E203	E204	E205	E206	E207	E208	E209	E210	E211	E212	E213	E214	E215	E216	E217	E218	E219	E220	E221	E222	E223	E224	E225	E226	E227	E228	E229	E230	E231	E232	E233	E234	E235	E236	E237	E238	E239	E240	E241	E242	E243	E244	E245	E246	E247	E248	E249	E250	E251	E252	E253	E254	E255	E256	E257	E258	E259	E260	E261	E262	E263	E264	E265	E266	E267	E268	E269	E270	E271	E272	E273	E274	E275	E276	E277	E278	E279	E280	E281	E282	E283	E284	E285	E286	E287	E288	E289	E290	E291	E292	E293	E294	E295	E296	E297	E298	E299	E300	E301	E302	E303	E304	E305	E306	E307	E308	E309	E310	E311	E312	E313	E314	E315	E316	E317	E318	E319	E320	E321	E322	E323	E324	E325	E326	E327	E328	E329	E330	E331	E332	E333	E334	E335	E336	E337	E338	E339	E340	E341	E342	E343	E344	E345	E346	E347	E348	E349	E350	E351	E352	E353	E354	E355	E356	E357	E358	E359	E360	E361	E362	E363	E364	E365	E366	E367	E368	E369	E370	E371	E372	E373	E374	E375	E376	E377	E378	E379	E380	E381	E382	E383	E384	E385	E386	E387	E388	E389	E390	E391	E392	E393	E394	E395	E396	E397	E398	E399	E400	E401	E402	E403	E404	E405	E406	E407	E408	E409	E410	E411	E412	E413	E414	E415	E416	E417	E418	E419	E420	E421	E422	E423	E424	E425	E426	E427	E428	E429	E430	E431	E432	E433	E434	E435	E436	E437	E438	E439	E440	E441	E442	E443	E444	E445	E446	E447	E448	E449	E450	E451	E452	E453	E454	E455	E456	E457	E458	E459	E460	E461	E462	E463	E464	E465	E466	E467	E468	E469	E470	E471	E472	E473	E474	E475	E476	E477	E478	E479	E480	E481	E482	E483	E484	E485	E486	E487	E488	E489	E490	E491	E492	E493	E494	E495	E496	E497	E498	E499	E500	E501	E502	E503	E504	E505	E506	E507	E508	E509	E510	E511	E512	E513	E514	E515	E516	E517	E518	E519	E520	E521	E522	E523	E524	E525	E526	E527	E528	E529	E530	E531	E532	E533	E534	E535	E536	E537	E538	E539	E540	E541	E542	E543	E544	E545	E546	E547	E548	E549	E550	E551	E552	E553	E554	E555	E556	E557	E558	E559	E560	E561	E562	E563	E564	E565	E566	E567	E568	E569	E570	E571	E572	E573	E574	E575	E576	E577	E578	E579	E580	E581	E582	E583	E584	E585	E586	E587	E588	E589	E590	E591	E592	E593	E594	E595	E596	E597	E598	E599	E600	E601	E602	E603	E604	E605	E606	E607	E608	E609	E610	E611	E612	E613	E614	E615	E616	E617	E618	E619	E620	E621	E622	E623	E624	E625	E626	E627	E628	E629	E630	E631	E632	E633	E634	E635	E636	E637	E638	E639	E640	E641	E642	E643	E644	E645	E646	E647	E648	E649	E650	E651	E652	E653	E654	E655	E656	E657	E658	E659	E660	E661	E662	E663	E664	E665	E666	E667	E668	E669	E670	E671	E672	E673	E674	E675	E676	E677	E678	E679	E680	E681	E682	E683	E684	E685	E686	E687	E688	E689	E690	E691	E692	E693	E694	E695	E696	E697	E698	E699	E700	E701	E702	E703	E704	E705	E706	E707	E708	E709	E710	E711	E712	E713	E714	E715	E716	E717	E718	E719	E720	E721	E722	E723	E724	E725	E726	E727	E728	E729	E730	E731	E732	E733	E734	E735	E736	E737	E738	E739	E740	E741	E742	E743	E744	E745	E746	E747	E748	E749	E750	E751	E752	E753	E754	E755	E756	E757	E758	E759	E760	E761	E762	E763	E764	E765	E766	E767	E768	E769	E770	E771	E772	E773	E774	E775	E776	E777	E778	E779	E780	E781	E782	E783	E784	E785	E786	E787	E788	E789	E790	E791	E792	E793	E794	E795	E796	E797	E798	E799	E800	E801	E802	E803	E804	E805	E806	E807	E808	E809	E810	E811	E812	E813	E814	E815	E816	E817	E818	E819	E820	E821	E822	E823	E824	E825	E826	E827	E828	E829	E830	E831	E832	E833	E834	E835	E836	E837	E838	E839	E840	E841	E842	E843	E844	E845	E846	E847	E848	E849	E850	E851	E852	E853	E854	E855	E856	E857	E858	E859	E860	E861	E862	E863	E864	E865	E866	E867	E868	E869	E870	E871	E872	E873	E874	E875	E876	E877	E878	E879	E880	E881	E882	E883	E884	E885	E886	E887	E888	E889	E890	E891	E892	E893	E894	E895	E896	E897	E898	E899	E900	E901	E902	E903	E904	E905	E906	E907	E908	E909	E910	E911	E912	E913	E914	E915	E916	E917	E918	E919	E920	E921	E922	E923	E924	E925	E926	E927	E928	E929	E930	E931	E932	E933	E934	E935	E936	E937	E938	E939	E940	E941	E942	E943	E944	E945	E946	E947	E948	E949	E950	E951	E952	E953	E954	E955	E956	E957	E958	E959	E960	E961	E962	E963	E964	E965	E966	E967	E968	E969	E970	E971	E972	E973	E974	E975	E976	E977	E978	E979	E980	E981	E982	E983	E984	E985	E986	E987	E988	E989	E990	E991	E992	E993	E994	E995	E996	E997	E998	E999	E1000	E1001	E1002	E1003	E1004	E1005	E1006	E1007	E1008	E1009	E1010	E1011	E1012	E1013	E1014	E1015	E1016	E1017	E1018	E1019	E1020	E1021	E1022	E1023	E1024	E1025	E1026	E1027	E1028	E1029	E1030	E1031	E1032	E1033	E1034	E1035	E1036	E1037	E1038	E1039	E1040	E1041	E1042	E1043	E1044	E1045	E1046	E1047	E1048	E1049	E1050	E1051	E1052	E1053	E1054	E1055	E1056	E1057	E1058	E1059	E1060	E1061	E1062	E1063	E1064	E1065	E1066	E1067	E1068	E1069	E1070	E1071	E1072	E1073	E1074	E1075	E1076	E1077	E1078	E1079	E1080	E1081	E1082	E1083	E1084	E1085	E1086	E1087	E1088	E1089	E1090	E1091	E1092	E1093	E1094	E1095	E1096	E1097	E1098	E1099	E1100	E1101	E1102	E1103	E1104	E1105	E1106	E1107	E1108	E1109	E1110	E1111	E1112	E1113	E1114	E1115	E1116	E1117	E1118	E1119	E1120	E1121	E1122	E1123	E1124	E1125	E1126	E1127	E1128	E1129	E1130	E1131	E1132	E1133	E1134	E1135	E1136	E1137	E1138	E1139	E1140	E1141	E1142	E1143	E1144	E1145	E1146	E1147	E1148	E1149	E1150	E1151	E1152	E1153	E1154	E1155	E1156	E1157	E1158	E1159	E1160	E1161	E1162	E1163	E1164	E1165	E1166	E1167	E1168	E1169	E1170	E1171	E1172	E1173	E1174	E1175	E1176	E1177	E1178	E1179	E1180	E1181	E1182	E1183	E1184	E1185	E1186	E1187	E1188	E1189	E1190	E1191	E1192	E1193	E1194	E1195	E1196	E1197	E1198	E1199	E1200	E1201	E1202	E1203	E1204	E1205	E1206	E1207	E1208	E1209	E1210	E1211	E1212	E1213	E1214	E1215	E1216	E1217	E1218	E1219	E1220	E1221	E1222	E1223	E1224	E1225	E1226	E1227	E1228	E1229	E1230	E1231	E1232	E1233	E1234	E1235	E1236	E1237	E1238	E1239	E1240	E1241	E1242	E1243	E1244	E1245	E1246	E1247	E1248	E1249	E1250	E1251	E1252	E1253	E1254	E1255	E1256	E1257	E1258	E1259	E1260	E1261	E1262	E1263	E1264	E1265	E1266	E1267	E1268	E1269	E1270	E1271	E1272	E1273	E1274	E1275	E1276	E1277	E1278	E1279	E1280	E1281	E1282	E1283	E1284	E1285	E1286	E1287	E1288	E1289	E1290	E1291	E1292	E1293	E1294	E1295	E1296	E1297	E1298	E1299	E1300	E1301	E1302	E1303	E1304	E1305	E1306	E1307	E1308	E1309	E1310	E1311	E1312	E1313	E1314	E1315	E1316	E1317	E1318	E1319	E1320	E1321	E1322	E1323	E1324	E1325	E1326	E1327	E1328	E1329	E1330	E1331	E1332	E1333	E1334	E1335	E1336	E1337	E1338	E1339	E1340	E1341	E1342	E1343	E1344	E1345	E1346	E1347	E1348	E1349	E1350	E1351	E1352	E1353	E1354	E1355	E1356	E1357	E1358	E1359	E1360	E1361	E1362	E1363	E1364	E1365	E1366	E1367	E1368	E1369	E1370	E1371	E1372	E1373	E1374	E1375	E1376	E1377	E1378	E1379	E1380	E1381	E1382	E1383	E1384	E1385	E1386	E1387	E1388	E1389	E1390	E1391	E1392	E1393	E1394	E1395	E1396	E1397	E1398	E1399	E1400	E1401	E1402	E1403	E1404	E1405	E1406	E1407	E1408	E1409	E1410	E1411	E1412	E1413	E1414	E1415	E1416	E1417	E1418	E1419	E1420	E1421	E1422	E1423	E1424	E1425	E1426	E1427	E1428	E1429	E1430	E1431	E1432	E1433	E1434	E1435	E1436	E1437	E1438	E1439	E1440	E1441	E1442	E1443	E1444	E1445	E1446	E1447	E1448	E1449	E1450	E1451	E1452	E1453	E1454	E1455	E1456	E1457	E1458	E1459	E1460	E1461	E1462	E1463	E1464	E1465	E1466	E1467	E1468	E1469	E1470	E1471	E1472	E1473	E1474	E1475	E1476	E1477	E1478	E1479	E1480	E1481	E1482	E1483	E1484	E1485	E1486	E1487	E1488	E1489	E1490	E1491	E1492	E1493	E1494	E1495	E149
--------------------------------	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	------

HIGHEST REFERENCE DESIGNATIONS									
U3	Q2	C39	R12	L13	FL1	E5	J3		
REFERENCE DESIGNATIONS NOT USED									

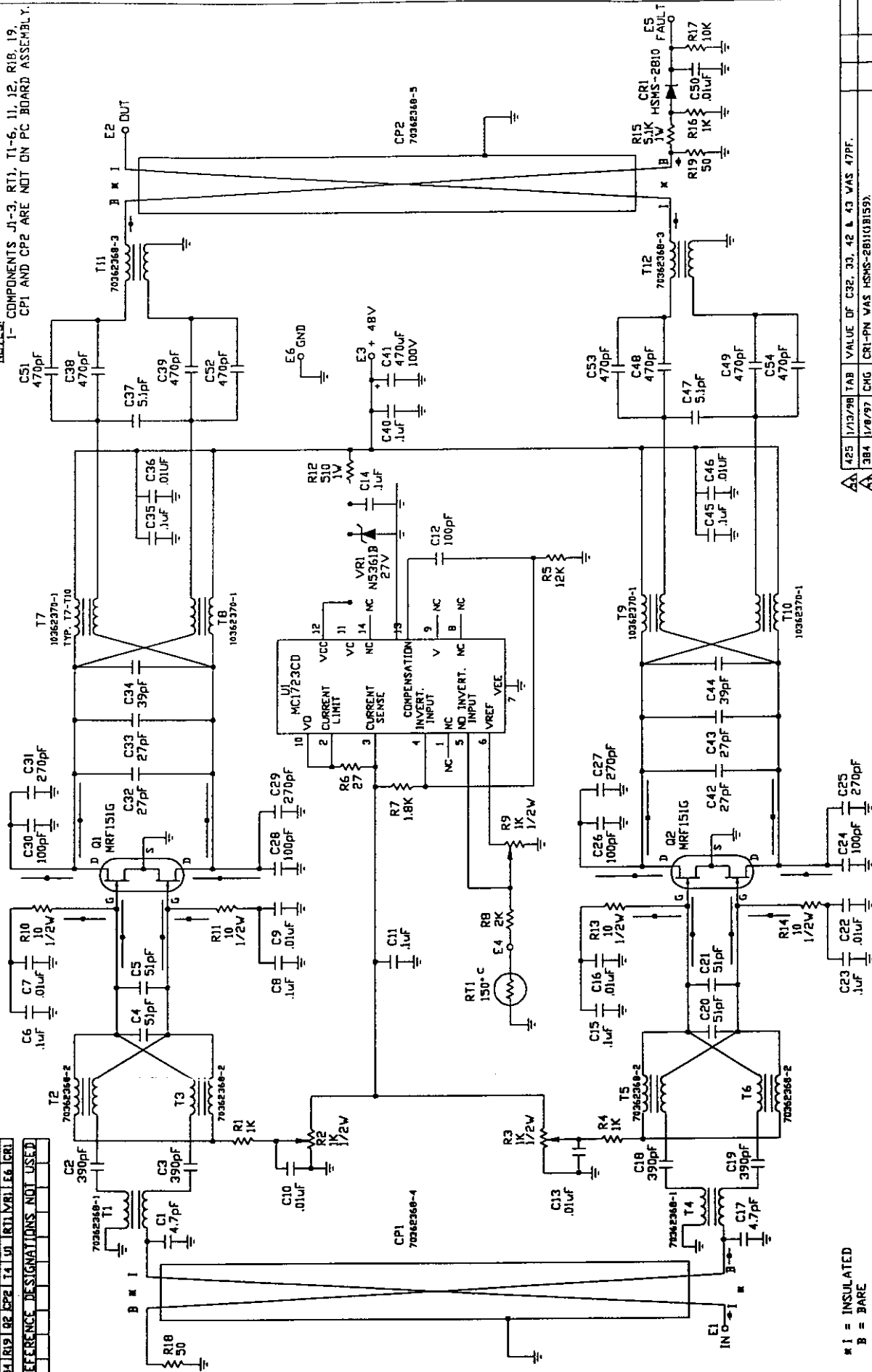
[illegible][illegible]

REV	52
30362257	

HIGHEST REFERENCE DESIGNATIONS
C34 R19 Q2 CP2 T4 W RTU VR1 F6 CR1
REFERENCE DESIGNATIONS NOT USED

NOTES:

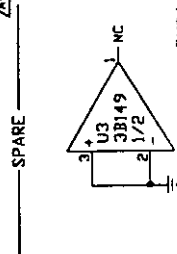
COMPONENTS J1-3, RT1, T1-6, 11, 12, R1B, 19, CP1 AND CP2 ARE NOT ON PC BOARD ASSEMBLY.



* I = INSULATED
B = BARE

425	1/13/98	TAB	VALUE OF C32, C33, C42 & C43 WAS 47PF.				
384	1/8/97	CHG	CRI-PN WAS HSMS-2B11031599.				
352	1/14/98	ACC	ADDED E6, REMOVED J1, J2, & J3.				
ECN	DATE	BY					
NEXT ASSY							
VERSION	DRAFT 1/23/95		AC				
SCALE	INR CHG 11-8-95		C.T.T.				
	M. ENGR						
	C. ENGR						
	RELEASE						
SCHEMATIC DIAGRAM, 300W FINAL VISUAL AMPLIFIER, BAND III							
REV							
303622367							
SHEET 1 OF 1							

HIGHEST REFERENCE DESIGNATIONS
C34 U6 R2 I G1 S4 J4 E6 L3 CRJ FL4 Q1
REFERENCE DESIGNATIONS NOT USED
C30 C3 I R I R7

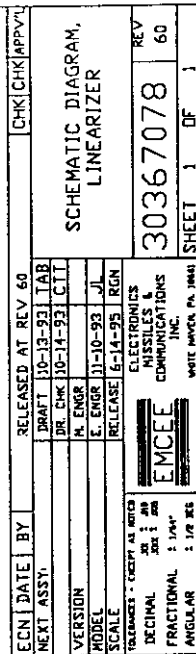


THE LINES ARE
OUT FOR PAL
OPERATION

[illegible]

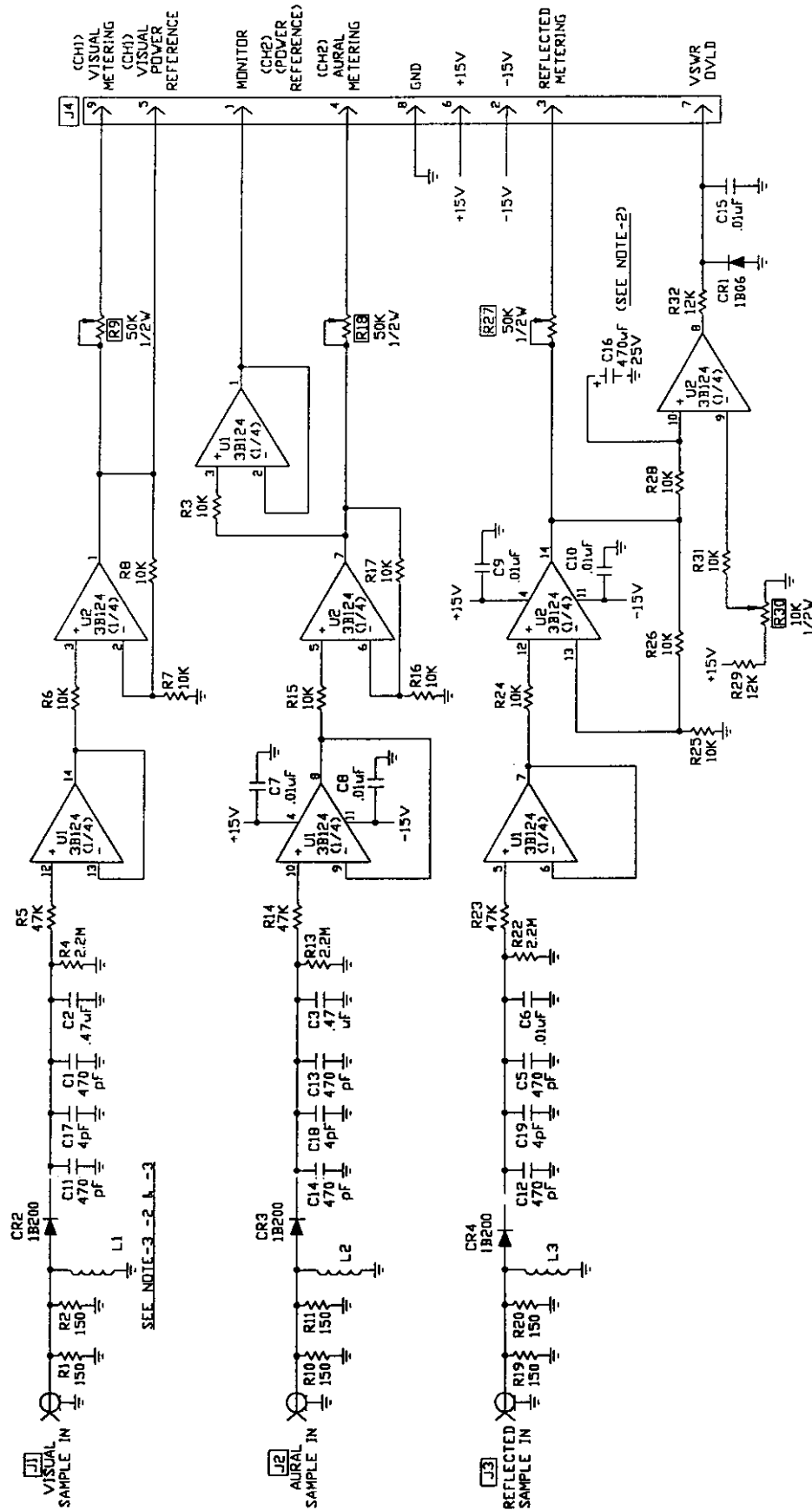
E 1494

NOTES : UNLESS OTHERWISE SPECIFIED
1-ALL CAPACITORS ARE VALUED IN μ F.
2-CONNECTORS J1 & J2 ARE NOT ON
PC BOARD ASSY.
3-CAPACITOR $\times$ C2 VALUE IS 470F FOR
PAL IF.



HIGHEST REFERENCE DESIGNATIONS									
R35	C19	U2	CR4	J4	L3				
REFERENCE DESIGNATIONS NOT USED									
	R12	R21							

NOTES: UNLESS OTHERWISE SPECIFIED:
1-COMPONENTS CRI, C2, R9, R18, R27,
AND R30 ARE NOT SURFACE MOUNTED.
2-WHEN USING ON OTHER THAN HS EQUIPMENT,
C16 AND L1, L2, & L3 ARE ELIMINATED.
3-COILS L1,2 & 3 ARE STRIP LINE RUNS.



384	1/8/79	CMG	CR2, 3, 4 WERE 1B159 (PN HSM5-281).	CTT	RGD	160	7-28-90	TAB	SEE PCR/ECN	CTT	BN	BN
N	10/24/96	CMG	R26 WAS 4.7K.	CTT	DB	150	7-29-90	TAB	SEE PCR/ECN	CTT	BN	BN
352	7/9/96	AC	ADDED RUN FROM 92 TO UP-2 LI-L3 WAS PN. 003684423, MODIFIED NOTE-1, & 2.	CTT	DB	C	8-24-90	CTT	ADDED R3, AND RUN FROM J4-1 TO U1-1	BN	BN	BN
345	5-7-96	VN	ADDED C171819, LI2,3 AND NOTE-3	CTT	DB	B	8-24-90	TAB	VALUE OF R26 WAS 10K	BN	BN	BN
K	10-17-95	CT	ADDED C16 TO NOTE 2	CTT	FC	A	10-26-90	TAB	U1 & U2 WERE 3B72	PJS	BN	BN
287	6/15/95	TAB	REMOVED R33, 34, & 35, ADDED SITE CONTROLLER TO NOTE-2	CTT	FC	CTT	VERSION	DR	CHK 7-12-90	CTT	BN	BN
224	8-18-94	TAB	ADDED R33, 34, & 35	CTT	CTT	SCALE	E. ENGR	10-4-90	DB	BN	BN	BN
217	7-15-94	VN	ADDED C15	CTT	CTT	RELEASE	10-5-90	JMJ	BN	BN	BN	BN
F	10-28-95	TAB	UPDATED NOTE-2	CTT	CTT	TELETYPE - EXCEPT AS NOTED	AS : AS	AS : AS	EMCEE	EMCEE	30368024	REV
ECN	DATE	BY		CHK	CHK	APPROV						

SCHEMATIC DIAGRAM,
METERING DETECTOR

30368024
P

SCHEMATIC DIAGRAM,
METERING DETECTOR

REV P
30368024
SHEET 1 OF 1

EMCEE

DATE MAY 24 1964

U9A, U9B, diodes CR3, CR4, CR5 and CR6 form a precision AC/DC converter circuit. The circuit converts the AC audio into a DC signal to operate the front panel deviation meter. First the output is fed into U10 which provides the necessary voltage gain and level translation. R58 is a zeroing control that sets the lower end of the scale on the deviation meter, R56 is used for the higher end.

The 41.25 MHz VCO consists of amplifier U8, tank circuit L4, and capacitors in the U8 output circuit. Varactor diode CR2 is used in the tuned circuit as the voltage variable element. The modulating audio circuit is fed from the arm of deviation control R44 through R45 to CR2. The operating frequency of the VCO is determined by L4, C40, C44, C47, C48, and CR2. L4 is the VCO center frequency adjustment on the circuit board.

The VCO output, from L4, is fed to buffer amplifier U7 which provides gain and isolates the VCO circuitry. The R38 level adjustment in the U7 circuit sets the modulator IF output to +40 dBmV at rear panel connector J9, (AURAL OUT). L7, C52 and C53 is a parallel tuned resonant circuit adjusted to 41.25 MHz. The tuned circuit matches the U7 output to 75 ohms.

A sample of the VCO 41.25 MHz signal is taken off directional tap T1 and is fed through amplifier Q5 to PLL synthesizer U4. The PLL synthesizer also takes inputs from PLD U5 and a countdown circuit. The PLD delivers a clock frequency and necessary reference data to the synthesizer from a crystal oscillator in the video module. A 45.75 MHz unmodulated reference signal is fed into the U2, U3 countdown circuit. The output of the countdown circuit is sent to "osc in" on the PLL synthesizer. The PLL synthesizer generates an error voltage which is sent back to varactor diode CR2 to lock the VCO output frequency. Thus the 41.25 MHz system is locked to the 45.75 MHz reference.

Two on board regulators provide +15 and +5 V output and regulate against current and input voltage variations. The main +5 V is isolated from the digital +5 V for noise reduction purposes.

4.4 Video Modulator

Refer to the schematic diagram Figure 4-4 for circuit design and to Figure 2-5 for switch and jumper options locations. The Video Modulator module accepts a baseband video input and generates a 45.75 MHz visual IF carrier as the primary output.

The video input, from the rear panel connector J5 (VIDEO IN), is fed into the two-stage feedback amplifier Q1 and Q2. This amplifier provides a high input impedance to the video source, and buffers the input video signal from the video module circuits.

Variable resistor R6 is a factory adjustment, together with C1; their purpose is to boost the high end of the video response curve. In series with R6, R7 is the factory adjusted video modulation calibration control. R7 calibrates the front panel video modulation control to 87.5% at 1 V video input peak-to-peak.

The R7 output is fed to the Q3/Q4 feedback amplifier which serves as a buffer between the input video and the phase equalizer network. Video is then fed to the front panel VIDEO MODULATION control R15. Q5 and Q6 form a feedback pair amplifier that provides frequency shaping in conjunction with R19 and C14.

The Q5 /Q6 output goes to the main video amplifier, Q7, Q8, Q9 and Q10. This amplifier provides video drive to the diode modulator stage.

The sync tip clamp, and white level clipper circuits are associated with the output video amplifier. The sync tip clamp circuit references the sync tips to a specific DC reference level.

The white level clipper limits the white level amplitude so that over modulation of the video carrier does not take place.

The sync tip clamp circuit consist of U1, Q11, Q12. The white level clipper consist of Q13, CR1, CR2.

For sync tip operation, a reference voltage is fed to pin 1

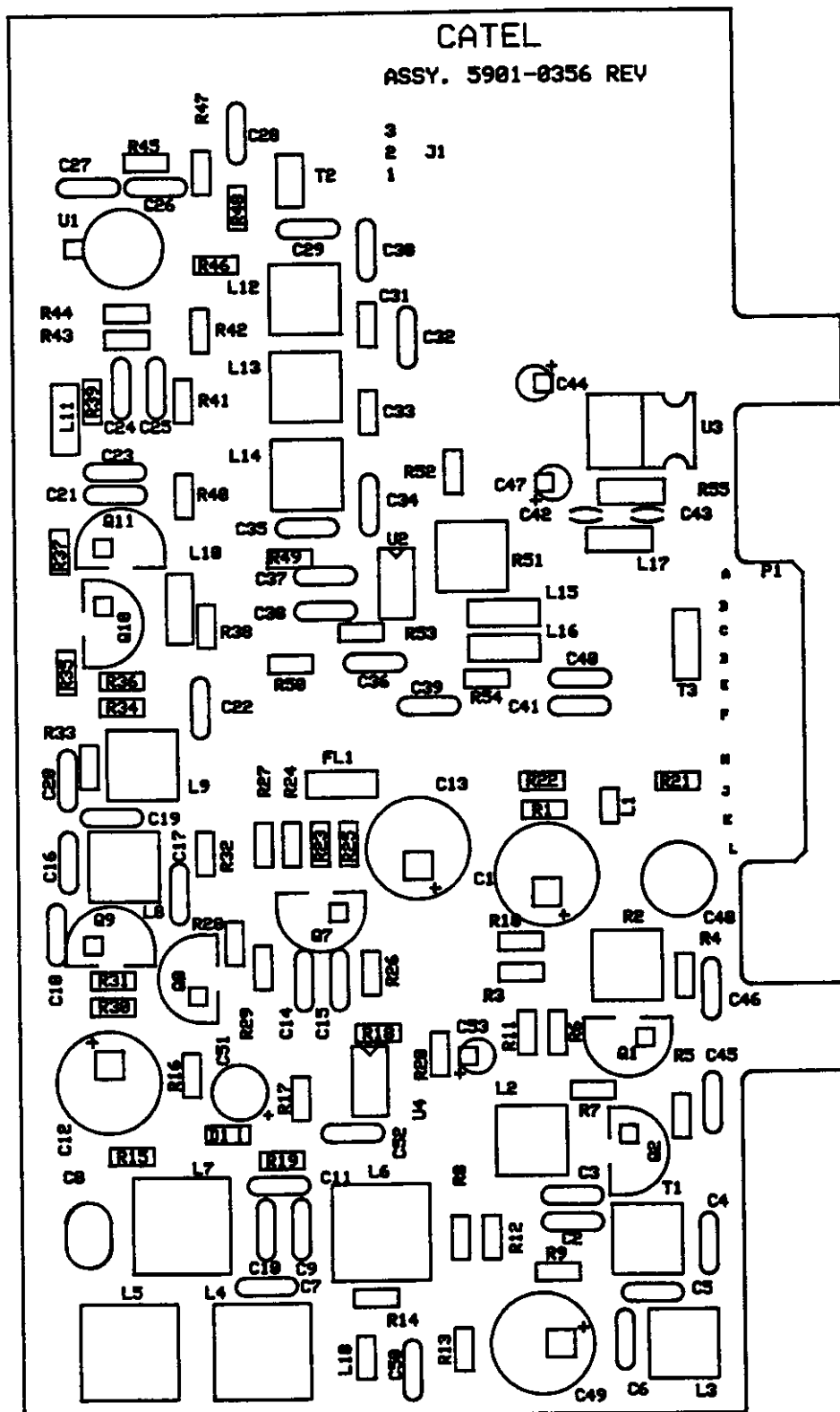


Figure 5-4
PCB Parts Location Diagram
Aural Subcarrier Processor

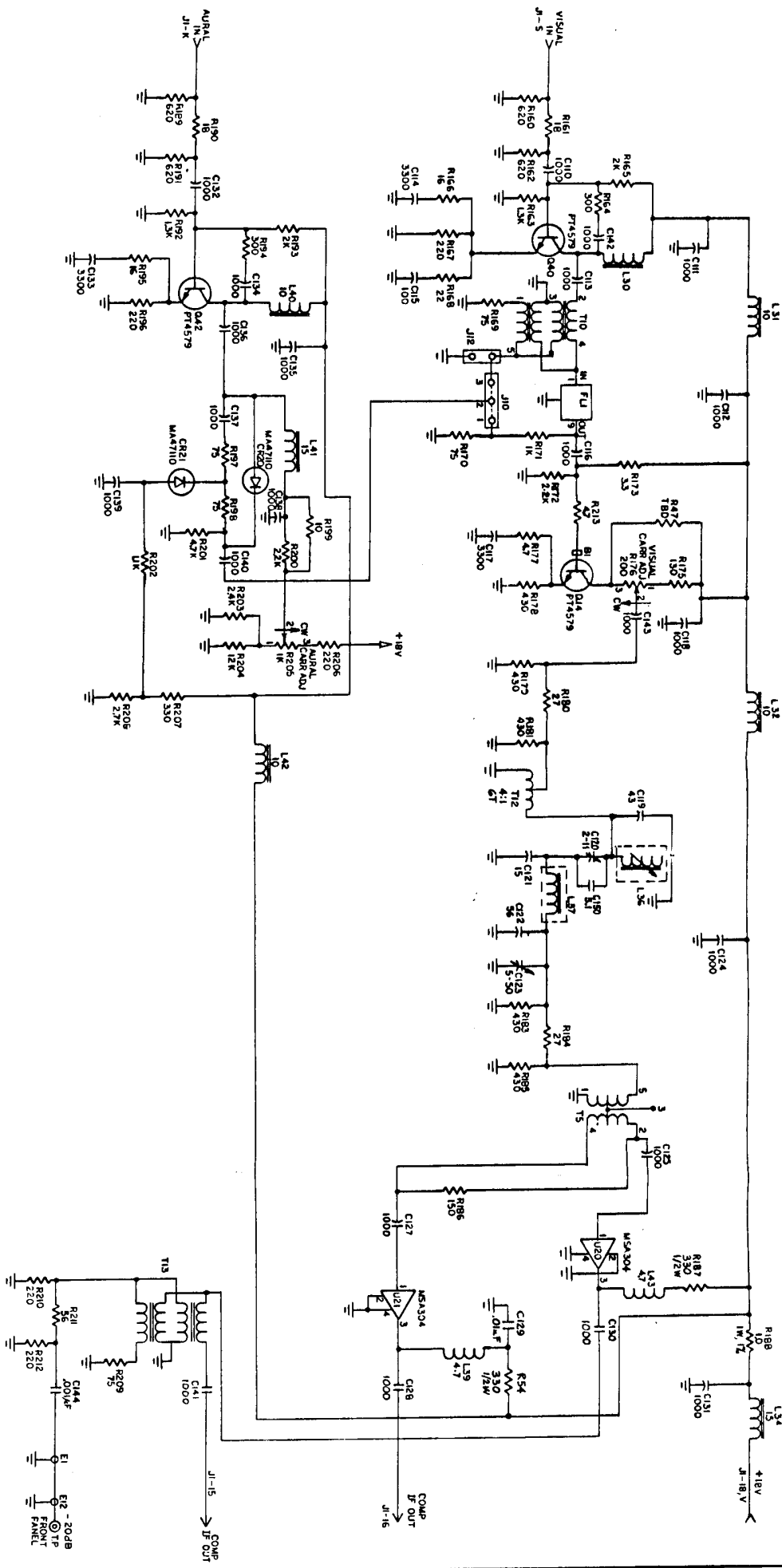
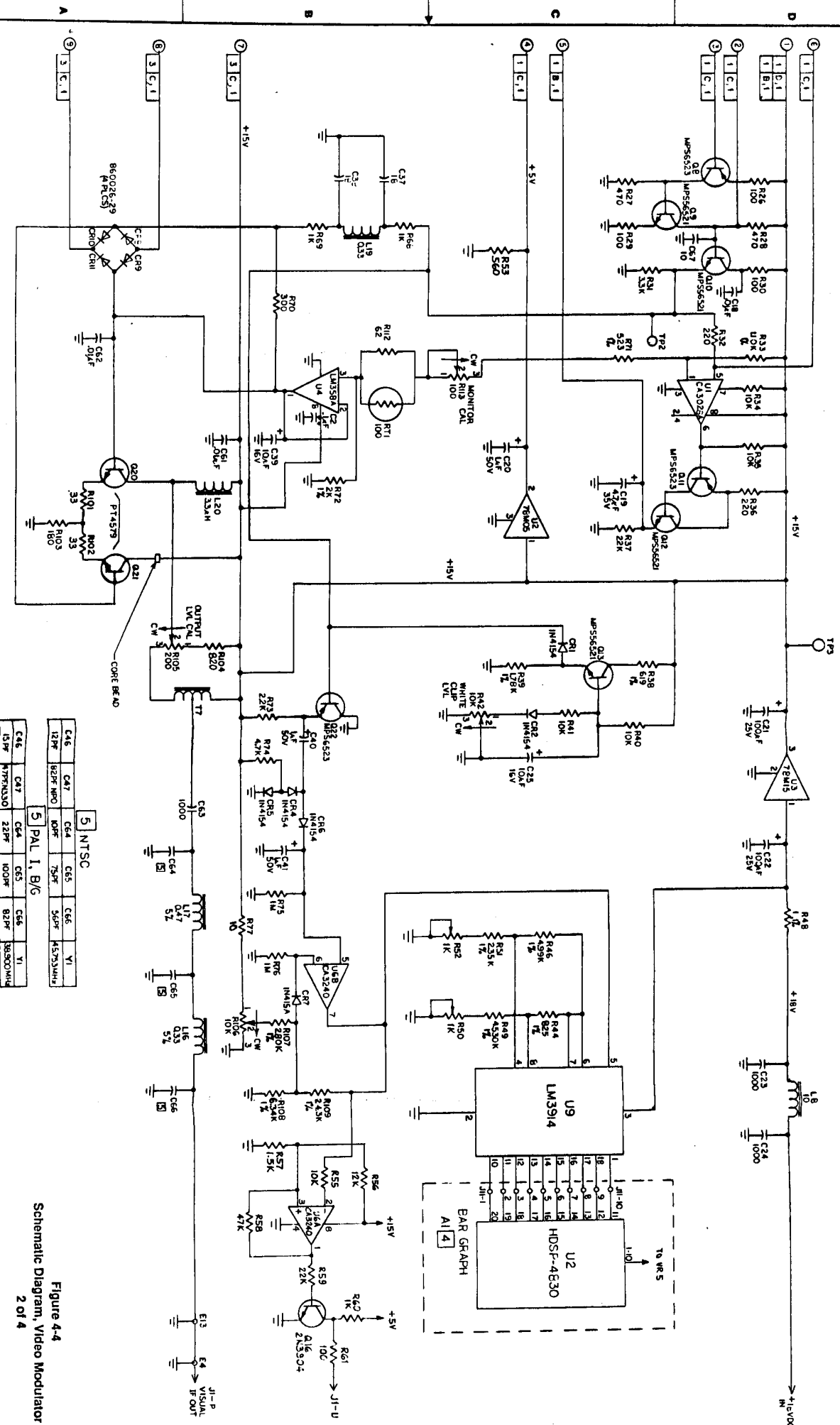
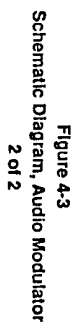


Figure 4-4
Schematic Diagram, Video Modulator
4 of 4

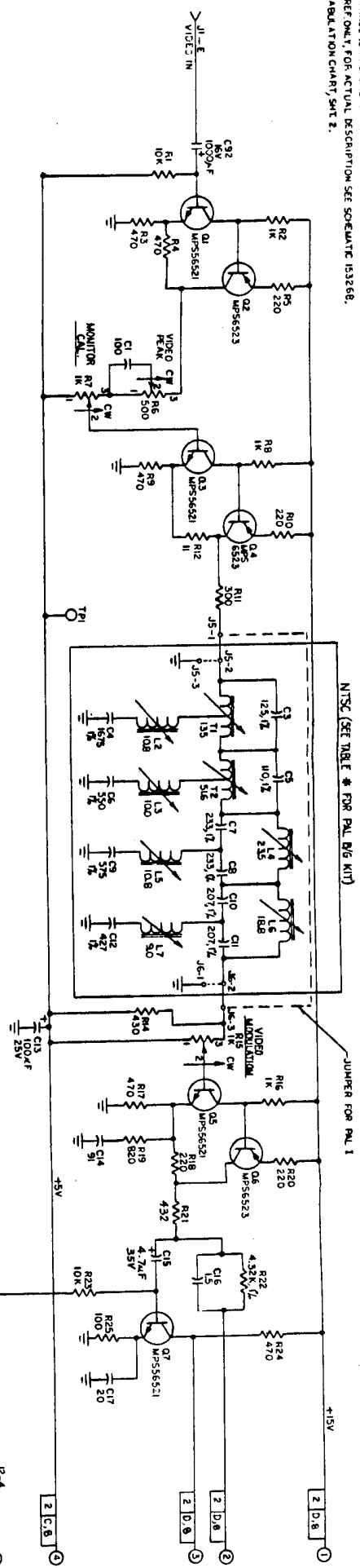


5 NTSC									
C46	C47	C64	C65	C66	C67	C68	C69	C70	C71
12PF	82PF	10PF	75PF	56PF	45.75MHZ				
5 PAL 1, B/G									
C46	C47	C64	C65	C66	C67	C68	C69	C70	C71
15PF	82PF	10PF	75PF	56PF	45.75MHZ				

Figure 4-4
Schematic Diagram, Video Modulator
2 of 4



- SPECIAL NOTES
1. RESISTANCE IS IN OHMS, IF A W. ST.
 2. CAPACITANCE IS IN MICROFARADS.
 3. INDUCTANCE IS IN MICROHENRIES.
 4. ALL RES. ONLY, FOR ACTUAL DESCRIPTION SEE SCHEMATIC 103286.
 5. SEE TABULATION CHART, SMT 2.



KIT FOR PAL B/G

C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
138	1465	153	453	113	113	278	315	315	129
T1	T2	L2	L3	L4	L5	L6	L7	L10	L12
131.9	4074	12.4	13.8	17.3	14.1	9.6	14.1		

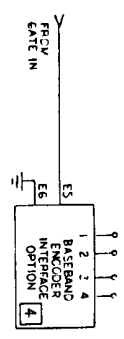
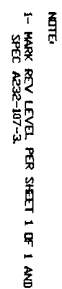


Figure 4-4
Schematic Diagram, Video Modulator
1 of 4

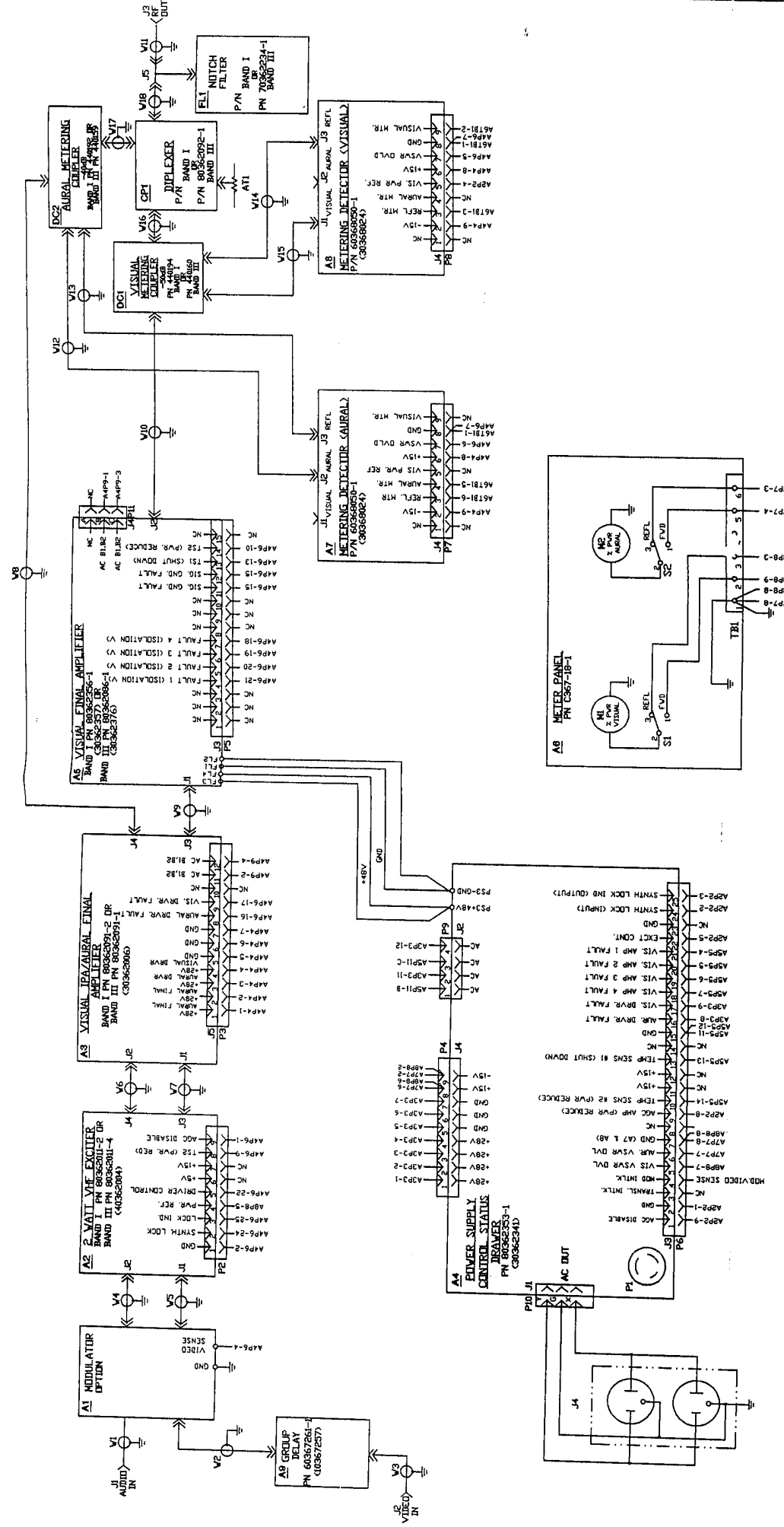
[illegible]

Exploded view diagram of a power supply unit. The main diagram shows the internal components, including the power supply unit (PSU), control board, and various connectors. Components are numbered 1 through 50. Wiring is color-coded and labeled with abbreviations like WHI, GRV, BLK, and YEL. A table at the bottom left lists parts and their quantities.

QTY	DESCRIPTION	QTY	DESCRIPTION
1	POWER SUPPLY	1	CONTROL BOARD
2	WIRING HARNESS	1	TERMINAL BLOCK
3	CONNECTOR	1	CONNECTOR
4	CONNECTOR	1	CONNECTOR
5	CONNECTOR	1	CONNECTOR
6	CONNECTOR	1	CONNECTOR
7	CONNECTOR	1	CONNECTOR
8	CONNECTOR	1	CONNECTOR
9	CONNECTOR	1	CONNECTOR
10	CONNECTOR	1	CONNECTOR
11	CONNECTOR	1	CONNECTOR
12	CONNECTOR	1	CONNECTOR
13	CONNECTOR	1	CONNECTOR
14	CONNECTOR	1	CONNECTOR
15	CONNECTOR	1	CONNECTOR
16	CONNECTOR	1	CONNECTOR
17	CONNECTOR	1	CONNECTOR
18	CONNECTOR	1	CONNECTOR
19	CONNECTOR	1	CONNECTOR
20	CONNECTOR	1	CONNECTOR
21	CONNECTOR	1	CONNECTOR
22	CONNECTOR	1	CONNECTOR
23	CONNECTOR	1	CONNECTOR
24	CONNECTOR	1	CONNECTOR
25	CONNECTOR	1	CONNECTOR
26	CONNECTOR	1	CONNECTOR
27	CONNECTOR	1	CONNECTOR
28	CONNECTOR	1	CONNECTOR
29	CONNECTOR	1	CONNECTOR
30	CONNECTOR	1	CONNECTOR
31	CONNECTOR	1	CONNECTOR
32	CONNECTOR	1	CONNECTOR
33	CONNECTOR	1	CONNECTOR
34	CONNECTOR	1	CONNECTOR
35	CONNECTOR	1	CONNECTOR
36	CONNECTOR	1	CONNECTOR
37	CONNECTOR	1	CONNECTOR
38	CONNECTOR	1	CONNECTOR
39	CONNECTOR	1	CONNECTOR
40	CONNECTOR	1	CONNECTOR
41	CONNECTOR	1	CONNECTOR
42	CONNECTOR	1	CONNECTOR
43	CONNECTOR	1	CONNECTOR
44	CONNECTOR	1	CONNECTOR
45	CONNECTOR	1	CONNECTOR
46	CONNECTOR	1	CONNECTOR
47	CONNECTOR	1	CONNECTOR
48	CONNECTOR	1	CONNECTOR
49	CONNECTOR	1	CONNECTOR
50	CONNECTOR	1	CONNECTOR

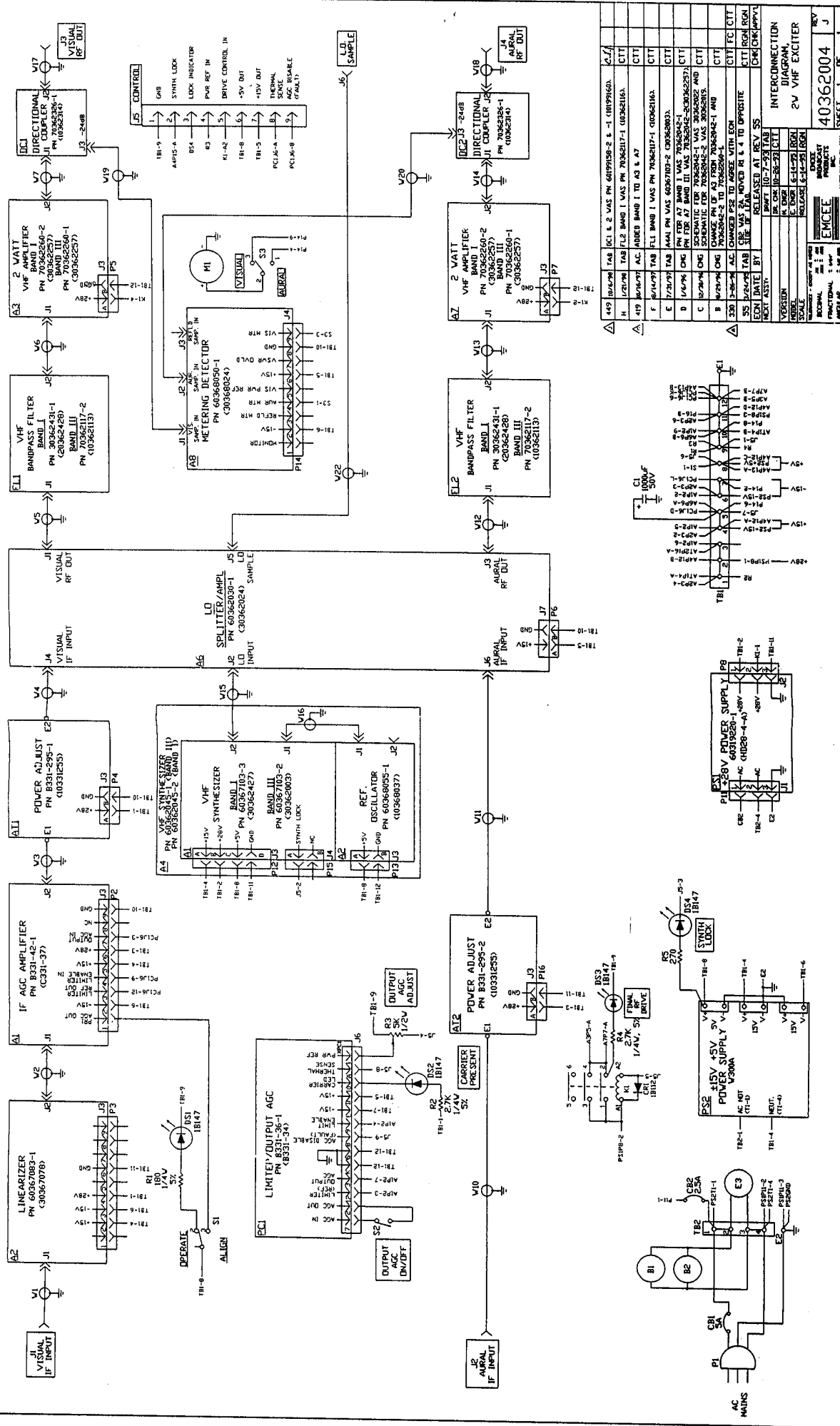
[illegible]

REFERENCE DESIGNATIONS NOT USED



REV	1	DATE	10/1/78	BY	WJ	CHK	WJ
REV	2	DATE	10/1/78	BY	WJ	CHK	WJ
REV	3	DATE	10/1/78	BY	WJ	CHK	WJ
REV	4	DATE	10/1/78	BY	WJ	CHK	WJ
REV	5	DATE	10/1/78	BY	WJ	CHK	WJ
REV	6	DATE	10/1/78	BY	WJ	CHK	WJ
REV	7	DATE	10/1/78	BY	WJ	CHK	WJ
REV	8	DATE	10/1/78	BY	WJ	CHK	WJ
REV	9	DATE	10/1/78	BY	WJ	CHK	WJ
REV	10	DATE	10/1/78	BY	WJ	CHK	WJ
REV	11	DATE	10/1/78	BY	WJ	CHK	WJ
REV	12	DATE	10/1/78	BY	WJ	CHK	WJ
REV	13	DATE	10/1/78	BY	WJ	CHK	WJ
REV	14	DATE	10/1/78	BY	WJ	CHK	WJ
REV	15	DATE	10/1/78	BY	WJ	CHK	WJ
REV	16	DATE	10/1/78	BY	WJ	CHK	WJ
REV	17	DATE	10/1/78	BY	WJ	CHK	WJ
REV	18	DATE	10/1/78	BY	WJ	CHK	WJ
REV	19	DATE	10/1/78	BY	WJ	CHK	WJ
REV	20	DATE	10/1/78	BY	WJ	CHK	WJ
REV	21	DATE	10/1/78	BY	WJ	CHK	WJ
REV	22	DATE	10/1/78	BY	WJ	CHK	WJ
REV	23	DATE	10/1/78	BY	WJ	CHK	WJ
REV	24	DATE	10/1/78	BY	WJ	CHK	WJ
REV	25	DATE	10/1/78	BY	WJ	CHK	WJ
REV	26	DATE	10/1/78	BY	WJ	CHK	WJ
REV	27	DATE	10/1/78	BY	WJ	CHK	WJ
REV	28	DATE	10/1/78	BY	WJ	CHK	WJ
REV	29	DATE	10/1/78	BY	WJ	CHK	WJ
REV	30	DATE	10/1/78	BY	WJ	CHK	WJ
REV	31	DATE	10/1/78	BY	WJ	CHK	WJ
REV	32	DATE	10/1/78	BY	WJ	CHK	WJ
REV	33	DATE	10/1/78	BY	WJ	CHK	WJ
REV	34	DATE	10/1/78	BY	WJ	CHK	WJ
REV	35	DATE	10/1/78	BY	WJ	CHK	WJ
REV	36	DATE	10/1/78	BY	WJ	CHK	WJ
REV	37	DATE	10/1/78	BY	WJ	CHK	WJ
REV	38	DATE	10/1/78	BY	WJ	CHK	WJ
REV	39	DATE	10/1/78	BY	WJ	CHK	WJ
REV	40	DATE	10/1/78	BY	WJ	CHK	WJ
REV	41	DATE	10/1/78	BY	WJ	CHK	WJ
REV	42	DATE	10/1/78	BY	WJ	CHK	WJ
REV	43	DATE	10/1/78	BY	WJ	CHK	WJ
REV	44	DATE	10/1/78	BY	WJ	CHK	WJ
REV	45	DATE	10/1/78	BY	WJ	CHK	WJ
REV	46	DATE	10/1/78	BY	WJ	CHK	WJ
REV	47	DATE	10/1/78	BY	WJ	CHK	WJ
REV	48	DATE	10/1/78	BY	WJ	CHK	WJ
REV	49	DATE	10/1/78	BY	WJ	CHK	WJ
REV	50	DATE	10/1/78	BY	WJ	CHK	WJ
REV	51	DATE	10/1/78	BY	WJ	CHK	WJ
REV	52	DATE	10/1/78	BY	WJ	CHK	WJ
REV	53	DATE	10/1/78	BY	WJ	CHK	WJ
REV	54	DATE	10/1/78	BY	WJ	CHK	WJ
REV	55	DATE	10/1/78	BY	WJ	CHK	WJ
REV	56	DATE	10/1/78	BY	WJ	CHK	WJ
REV	57	DATE	10/1/78	BY	WJ	CHK	WJ
REV	58	DATE	10/1/78	BY	WJ	CHK	WJ
REV	59	DATE	10/1/78	BY	WJ	CHK	WJ
REV	60	DATE	10/1/78	BY	WJ	CHK	WJ
REV	61	DATE	10/1/78	BY	WJ	CHK	WJ
REV	62	DATE	10/1/78	BY	WJ	CHK	WJ
REV	63	DATE	10/1/78	BY	WJ	CHK	WJ
REV	64	DATE	10/1/78	BY	WJ	CHK	WJ
REV	65	DATE	10/1/78	BY	WJ	CHK	WJ
REV	66	DATE	10/1/78	BY	WJ	CHK	WJ
REV	67	DATE	10/1/78	BY	WJ	CHK	WJ
REV	68	DATE	10/1/78	BY	WJ	CHK	WJ
REV	69	DATE	10/1/78	BY	WJ	CHK	WJ
REV	70	DATE	10/1/78	BY	WJ	CHK	WJ
REV	71	DATE	10/1/78	BY	WJ	CHK	WJ
REV	72	DATE	10/1/78	BY	WJ	CHK	WJ
REV	73	DATE	10/1/78	BY	WJ	CHK	WJ
REV	74	DATE	10/1/78	BY	WJ	CHK	WJ
REV	75	DATE	10/1/78	BY	WJ	CHK	WJ
REV	76	DATE	10/1/78	BY	WJ	CHK	WJ
REV	77	DATE	10/1/78	BY	WJ	CHK	WJ
REV	78	DATE	10/1/78	BY	WJ	CHK	WJ
REV	79	DATE	10/1/78	BY	WJ	CHK	WJ
REV	80	DATE	10/1/78	BY	WJ	CHK	WJ
REV	81	DATE	10/1/78	BY	WJ	CHK	WJ
REV	82	DATE	10/1/78	BY	WJ	CHK	WJ
REV	83	DATE	10/1/78	BY	WJ	CHK	WJ
REV	84	DATE	10/1/78	BY	WJ	CHK	WJ
REV	85	DATE	10/1/78	BY	WJ	CHK	WJ
REV	86	DATE	10/1/78	BY	WJ	CHK	WJ
REV	87	DATE	10/1/78	BY	WJ	CHK	WJ
REV	88	DATE	10/1/78	BY	WJ	CHK	WJ
REV	89	DATE	10/1/78	BY	WJ	CHK	WJ
REV	90	DATE	10/1/78	BY	WJ	CHK	WJ
REV	91	DATE	10/1/78	BY	WJ	CHK	WJ
REV	92	DATE	10/1/78	BY	WJ	CHK	WJ
REV	93	DATE	10/1/78	BY	WJ	CHK	WJ
REV	94	DATE	10/1/78	BY	WJ	CHK	WJ
REV	95	DATE	10/1/78	BY	WJ	CHK	WJ
REV	96	DATE	10/1/78	BY	WJ	CHK	WJ
REV	97	DATE	10/1/78	BY	WJ	CHK	WJ
REV	98	DATE	10/1/78	BY	WJ	CHK	WJ
REV	99	DATE	10/1/78	BY	WJ	CHK	WJ
REV	100	DATE	10/1/78	BY	WJ	CHK	WJ

40362008
SHEET 1 OF 1



449	16/06/79	TAB	DCI L 2 WAS PM 60195158-2 & 1 (10191962A)	2-1
450	16/06/79	TAB	FL2 BAND 1 WAS PM 70626117-1 (00362116A)	CTT
451	16/06/79	CTT	ARMED BAND 1 TO A3 & A7	CTT
452	16/06/79	CTT	FL1 BAND 1 WAS PM 70626117-1 (00362116A)	CTT
453	16/06/79	TAB	MAIL PM WAS 60507103-2 (20362083A)	CTT
454	16/06/79	ONE	PM FOR AT BAND 1 WAS 70626117-1 (00362116A)	CTT
455	16/06/79	ONE	SOE MANTIC TRM 70626117-1 WAS 70626117-1 (00362116A)	CTT
456	16/06/79	ONE	CHANGE PM AT A3 FOR 70626117-1 AND 70626117-1 (00362116A)	CTT
457	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
458	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
459	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
460	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
461	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
462	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
463	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
464	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
465	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
466	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
467	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
468	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
469	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
470	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
471	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
472	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
473	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
474	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
475	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
476	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
477	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
478	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
479	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
480	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
481	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
482	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
483	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
484	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
485	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
486	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
487	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
488	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
489	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
490	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
491	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
492	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
493	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
494	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
495	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
496	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
497	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
498	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
499	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT
500	16/06/79	ONE	CHANGE PM TO AGREE WITH EON	CTT

[illegible]

