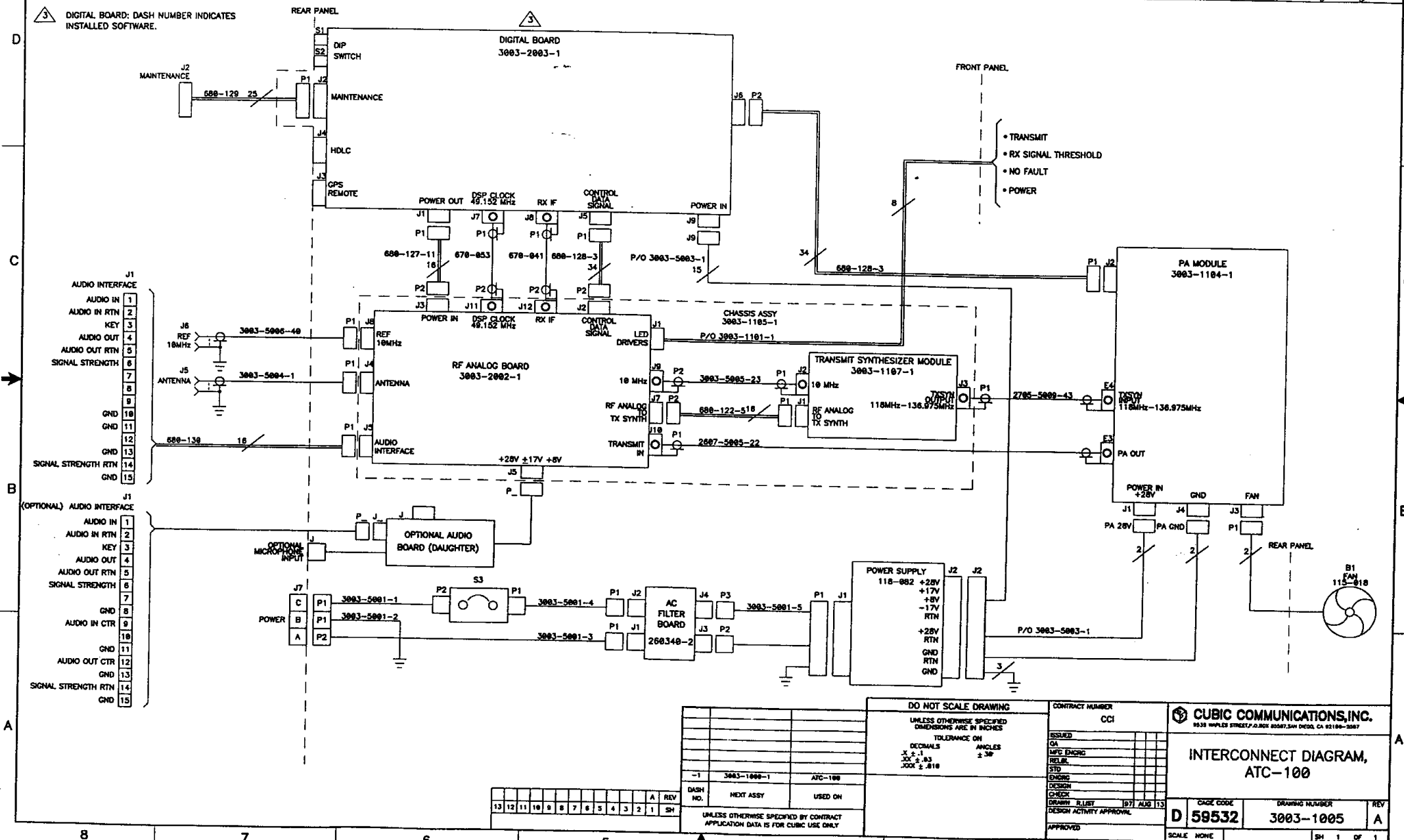


NOTES: UNLESS OTHERWISE SPECIFIED

1. $\times$ INDICATES NUMBER OF CONDUCTORS IN CABLE.
2. $\equiv$ INDICATES RIBBON CABLE.
3. DIGITAL BOARD: DASH NUMBER INDICATES INSTALLED SOFTWARE.

DRAWING NO.		REV		DATE		APPROVED	
3003-1005		1		1		A	
ZONE		LIT		DESCRIPTION		DATE	
A		DCR 727895: INITIAL RELEASE.		R.LIST 98-10-01			



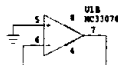
DO NOT SCALE DRAWING		CONTRACT NUMBER		CUBIC COMMUNICATIONS, INC.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CCI		1030 WIMPLE STREET, P.O. BOX 85007, SAN DIEGO, CA 92186-3507	
TOLERANCE ON DECIMALS .X ± .1 .XX ± .03 XXX ± .010		ISSUED ON MFG ENGRG REL. STD ENGRG CHECK DESIGN DRAWN BY DATE DESIGN ACTIVITY APPROVAL		INTERCONNECT DIAGRAM, ATC-100	
UNLESS OTHERWISE SPECIFIED BY CONTRACT APPLICATION DATA IS FOR CUBIC USE ONLY		CAGE CODE D 59532		DRAWING NUMBER 3003-1005	
SCALE: NONE		REV A		SH 1 OF 1	

①

NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100.
2. CAUTION: CONTAINS PARTS & ASSEMBLIES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD). REFER TO MIL-STD-1484 AND MIL-HDBK-243 FOR PROTECTIVE HANDLING, PACKAGING AND PROCESSING PROCEDURES.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATIONS PREPARE WITH UNIT NUMBER AND FORMER DES.
4. CAPACITANCE VALUES ARE IN MICROFARADS (UF) +/- 10%.
5. INDUCTANCE VALUES ARE IN MICROHENRIES (UH) +/- 10%.
6. RESISTANCE VALUES ARE IN OHMS. 5% 1/10 WATT.
7. - INDICATES SIGNAL IS ACTIVE LOW OR IS FALLING EDGE CLOCK.
8. CROSS REFERENCE OF SIGNALS BETWEEN SHEETS IS INDICATED AS FOLLOWS:

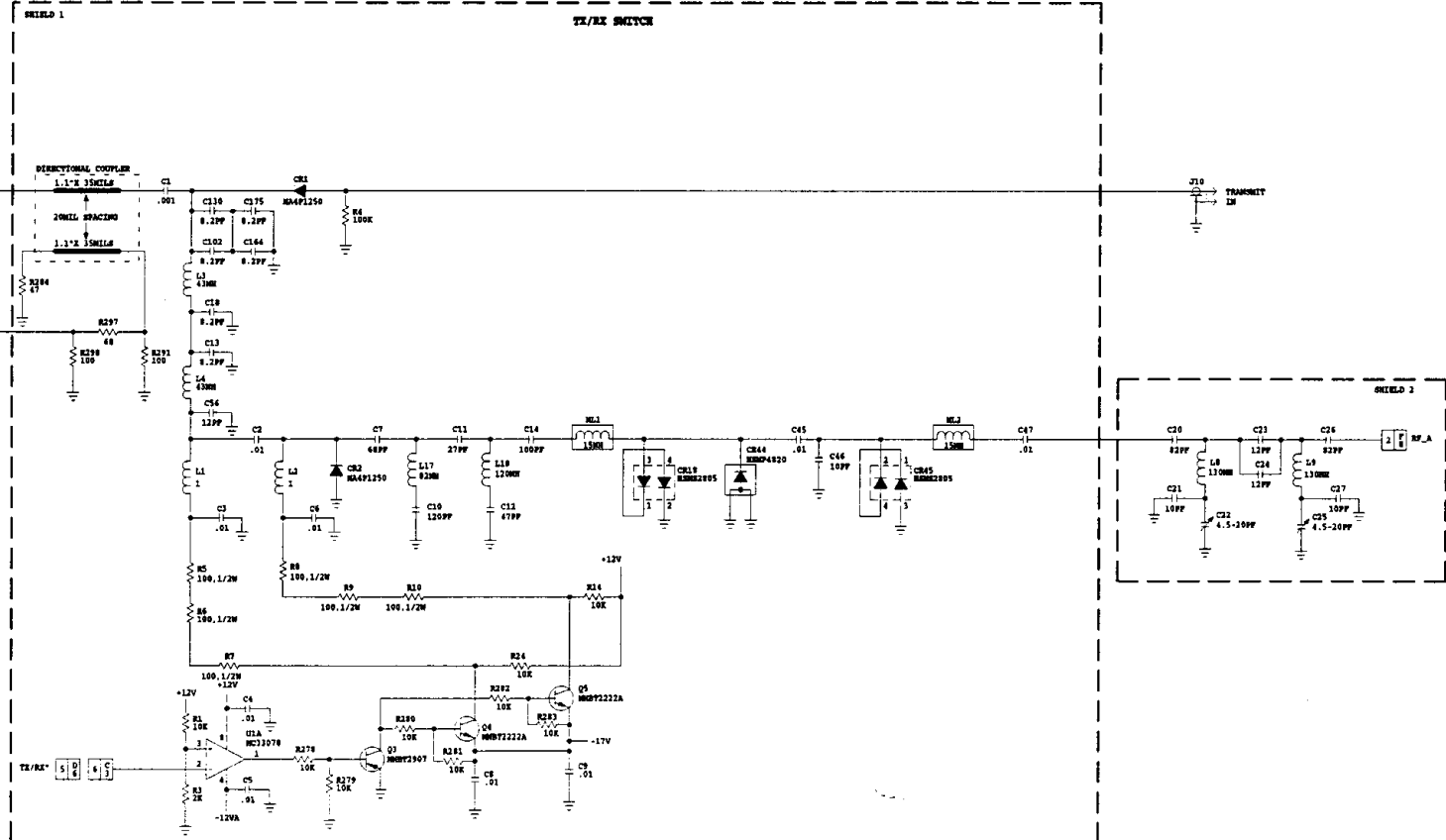
SHEET NO. 1 OF 1



REVISIONS			
NO.	DATE	DESCRIPTION	BY
1		DCR 725943A, 727473B, 727537A, DCR 727484, 727507, 727509, DCR 727765, 727804, 727813, DCR 727816, 727839, 727849, INITIAL RELEASE.	
R.1.187, 99-02-25			

REFERENCE DESIGNATIONS LAST USED	REFERENCE DESIGNATIONS NOT USED
C444	Y224
C448	Y26
C450	Y2
C452	Y2
C454	Y2
C456	Y2
C458	Y2
C460	Y2
C462	Y2
C464	Y2
C466	Y2
C468	Y2
C470	Y2
C472	Y2
C474	Y2
C476	Y2
C478	Y2
C480	Y2
C482	Y2
C484	Y2
C486	Y2
C488	Y2
C490	Y2
C492	Y2
C494	Y2
C496	Y2
C498	Y2
C500	Y2
C502	Y2
C504	Y2
C506	Y2
C508	Y2
C510	Y2
C512	Y2
C514	Y2
C516	Y2
C518	Y2
C520	Y2
C522	Y2
C524	Y2
C526	Y2
C528	Y2
C530	Y2
C532	Y2
C534	Y2
C536	Y2
C538	Y2
C540	Y2
C542	Y2
C544	Y2
C546	Y2
C548	Y2
C550	Y2
C552	Y2
C554	Y2
C556	Y2
C558	Y2
C560	Y2
C562	Y2
C564	Y2
C566	Y2
C568	Y2
C570	Y2
C572	Y2
C574	Y2
C576	Y2
C578	Y2
C580	Y2
C582	Y2
C584	Y2
C586	Y2
C588	Y2
C590	Y2
C592	Y2
C594	Y2
C596	Y2
C598	Y2
C600	Y2
C602	Y2
C604	Y2
C606	Y2
C608	Y2
C610	Y2
C612	Y2
C614	Y2
C616	Y2
C618	Y2
C620	Y2
C622	Y2
C624	Y2
C626	Y2
C628	Y2
C630	Y2
C632	Y2
C634	Y2
C636	Y2
C638	Y2
C640	Y2
C642	Y2
C644	Y2
C646	Y2
C648	Y2
C650	Y2
C652	Y2
C654	Y2
C656	Y2
C658	Y2
C660	Y2
C662	Y2
C664	Y2
C666	Y2
C668	Y2
C670	Y2
C672	Y2
C674	Y2
C676	Y2
C678	Y2
C680	Y2
C682	Y2
C684	Y2
C686	Y2
C688	Y2
C690	Y2
C692	Y2
C694	Y2
C696	Y2
C698	Y2
C700	Y2
C702	Y2
C704	Y2
C706	Y2
C708	Y2
C710	Y2
C712	Y2
C714	Y2
C716	Y2
C718	Y2
C720	Y2
C722	Y2
C724	Y2
C726	Y2
C728	Y2
C730	Y2
C732	Y2
C734	Y2
C736	Y2
C738	Y2
C740	Y2
C742	Y2
C744	Y2
C746	Y2
C748	Y2
C750	Y2
C752	Y2
C754	Y2
C756	Y2
C758	Y2
C760	Y2
C762	Y2
C764	Y2
C766	Y2
C768	Y2
C770	Y2
C772	Y2
C774	Y2
C776	Y2
C778	Y2
C780	Y2
C782	Y2
C784	Y2
C786	Y2
C788	Y2
C790	Y2
C792	Y2
C794	Y2
C796	Y2
C798	Y2
C800	Y2
C802	Y2
C804	Y2
C806	Y2
C808	Y2
C810	Y2
C812	Y2
C814	Y2
C816	Y2
C818	Y2
C820	Y2
C822	Y2
C824	Y2
C826	Y2
C828	Y2
C830	Y2
C832	Y2
C834	Y2
C836	Y2
C838	Y2
C840	Y2
C842	Y2
C844	Y2
C846	Y2
C848	Y2
C850	Y2
C852	Y2
C854	Y2
C856	Y2
C858	Y2
C860	Y2
C862	Y2
C864	Y2
C866	Y2
C868	Y2
C870	Y2
C872	Y2
C874	Y2
C876	Y2
C878	Y2
C880	Y2
C882	Y2
C884	Y2
C886	Y2
C888	Y2
C890	Y2
C892	Y2
C894	Y2
C896	Y2
C898	Y2
C900	Y2
C902	Y2
C904	Y2
C906	Y2
C908	Y2
C910	Y2
C912	Y2
C914	Y2
C916	Y2
C918	Y2
C920	Y2
C922	Y2
C924	Y2
C926	Y2
C928	Y2
C930	Y2
C932	Y2
C934	Y2
C936	Y2
C938	Y2
C940	Y2
C942	Y2
C944	Y2
C946	Y2
C948	Y2
C950	Y2
C952	Y2
C954	Y2
C956	Y2
C958	Y2
C960	Y2
C962	Y2
C964	Y2
C966	Y2
C968	Y2
C970	Y2
C972	Y2
C974	Y2
C976	Y2
C978	Y2
C980	Y2
C982	Y2
C984	Y2
C986	Y2
C988	Y2
C990	Y2
C992	Y2
C994	Y2
C996	Y2
C998	Y2
C1000	Y2

POWER AND GROUND CHART			
COMPONENT	+5V	GND	REF DES
MC7517120W	20	10	0K1

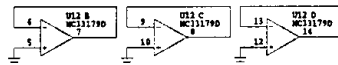


DO NOT SCALE DRAWING		CUBIC COMMUNICATIONS, INC.	
DESIGN: 59532		ATC-100	
SHEET: 1 OF 1		ANALOG MODULE	
DATE: 10/1/88		REV: 1	
BY: J. J. J.		CHK: J. J. J.	
APP: J. J. J.		APP: J. J. J.	
DATE: 10/1/88		REV: 1	
BY: J. J. J.		CHK: J. J. J.	
APP: J. J. J.		APP: J. J. J.	
DATE: 10/1/88		REV: 1	
BY: J. J. J.		CHK: J. J. J.	
APP: J. J. J.		APP: J. J. J.	

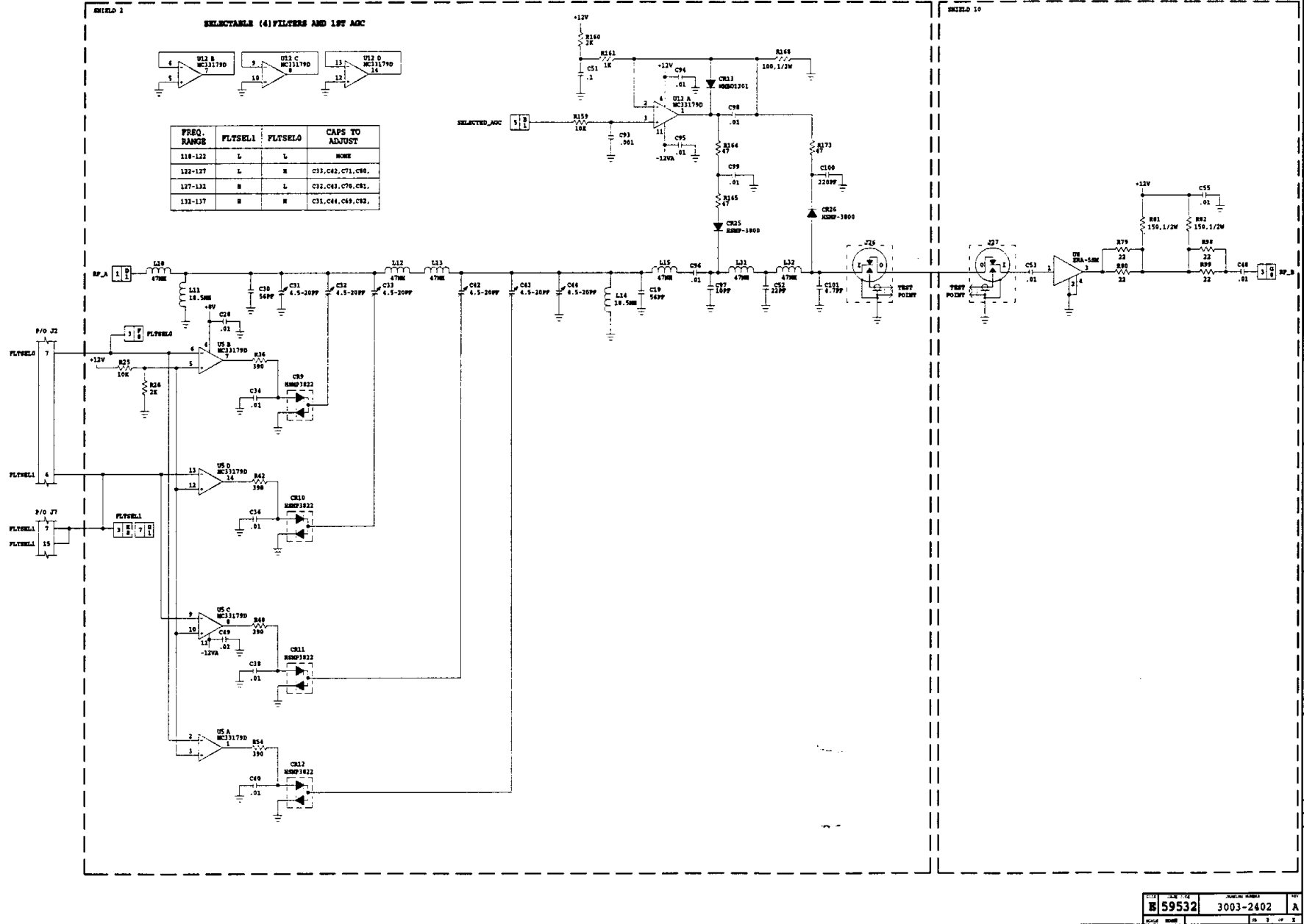
2

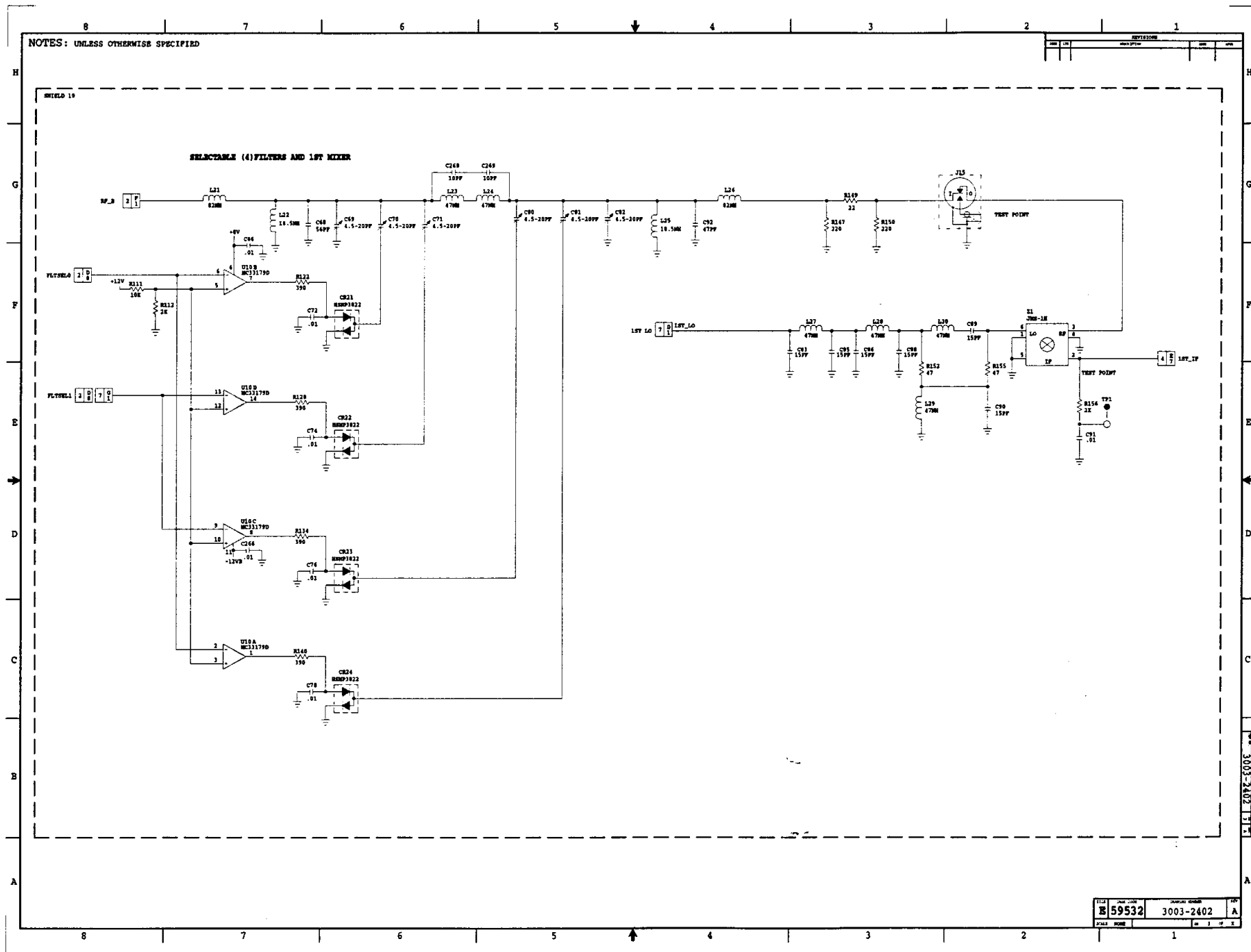
NOTES: UNLESS OTHERWISE SPECIFIED

SELECTABLE (4) FILTERS AND 1ST AGC

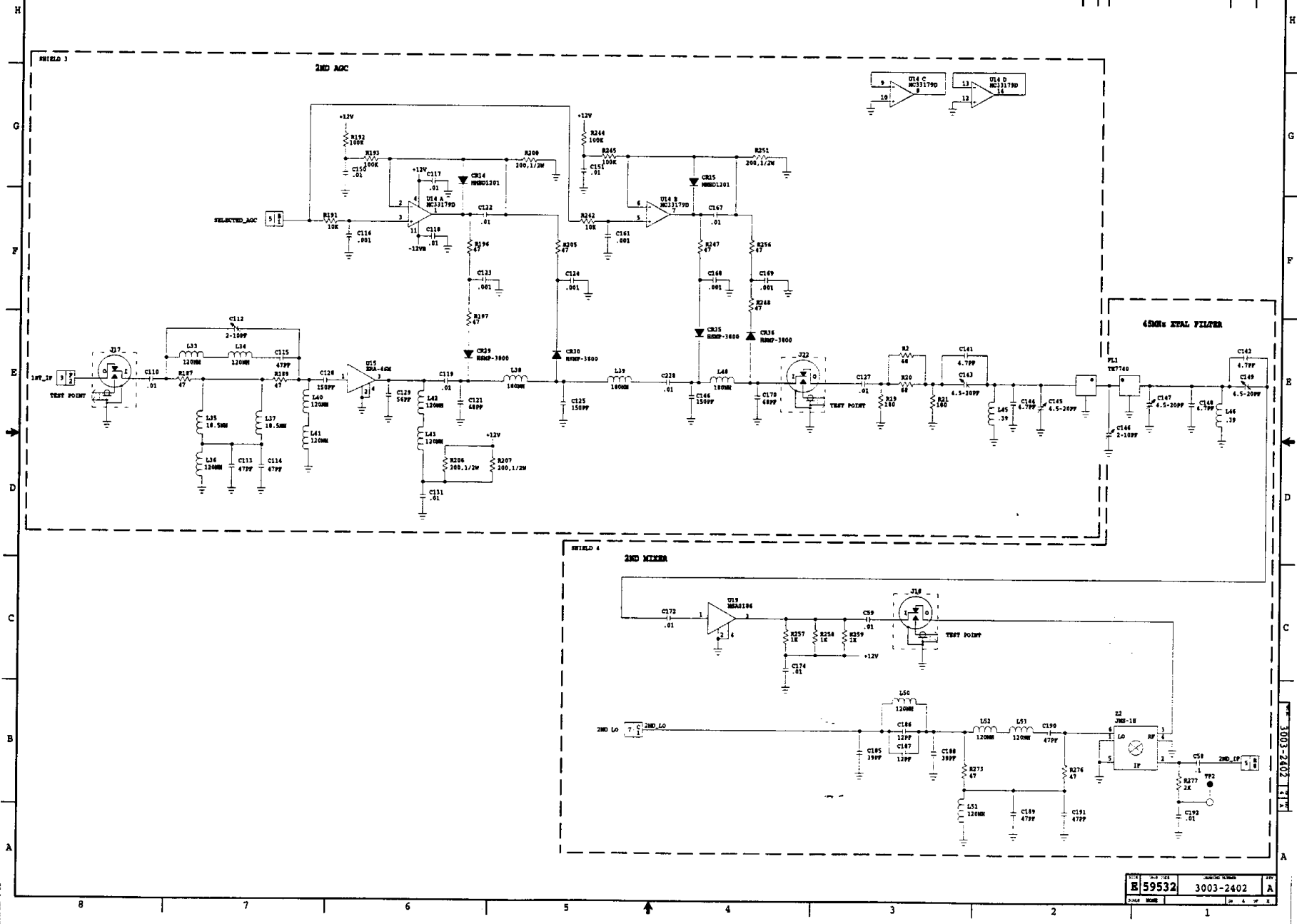


FREQ. RANGE	FLTSEL1	FLTSSEL0	CAPS TO ADJUST
118-122	L	L	NONE
122-127	L	H	C13, C42, C71, C90,
127-132	H	L	C12, C43, C70, C81,
132-137	H	H	C31, C44, C45, C82,





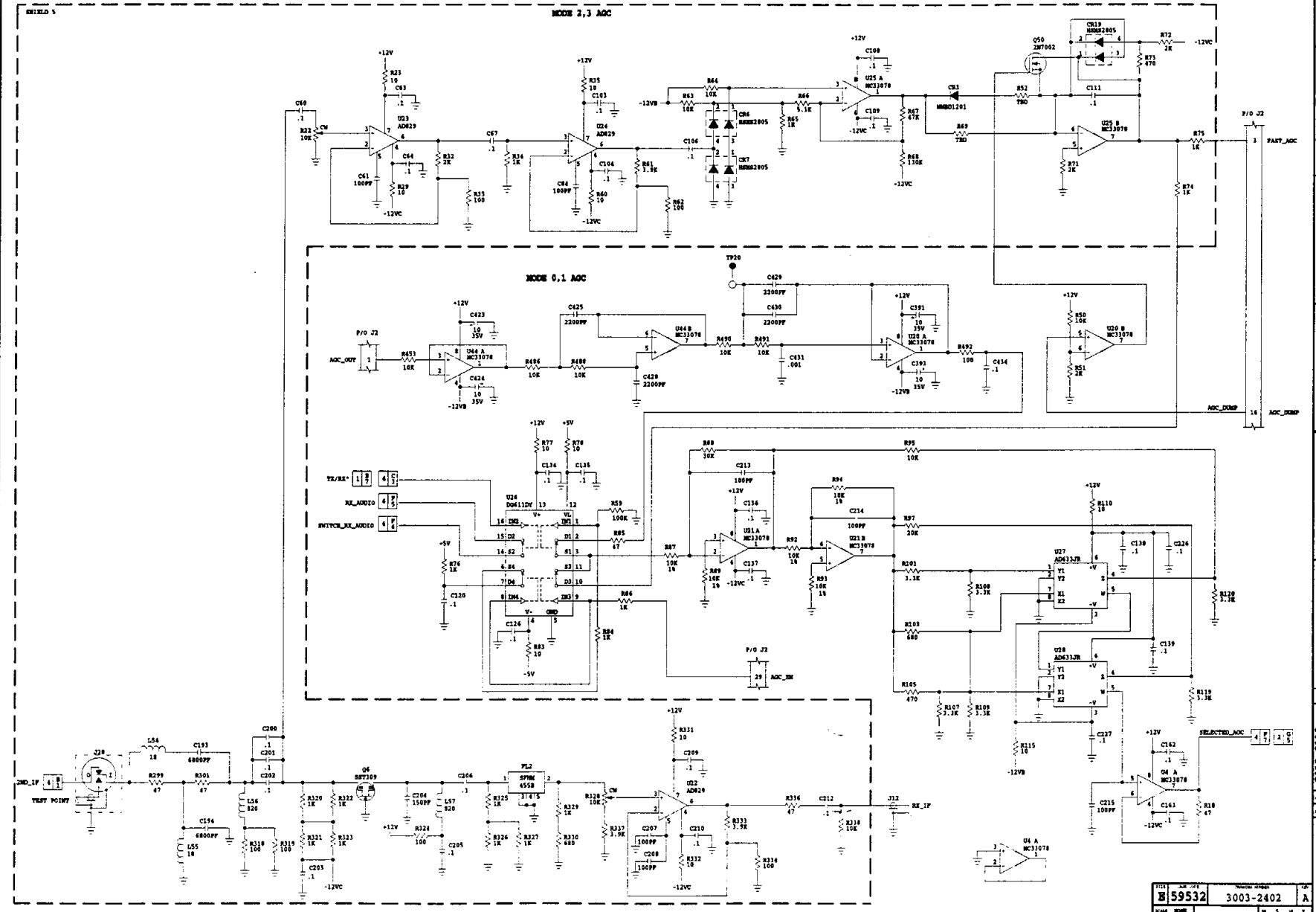
NOTES: UNLESS OTHERWISE SPECIFIED

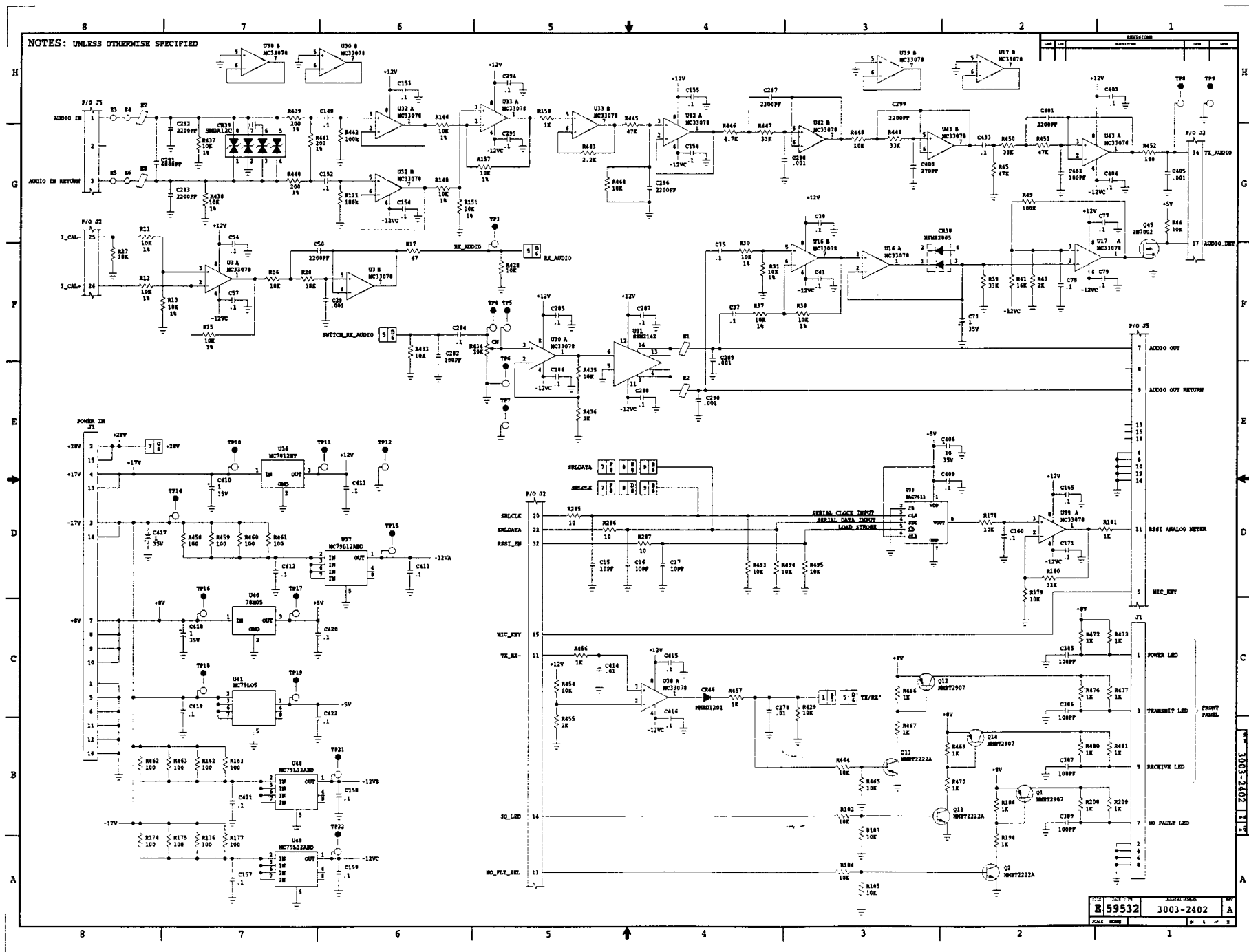


59532 3003-2402 A

5

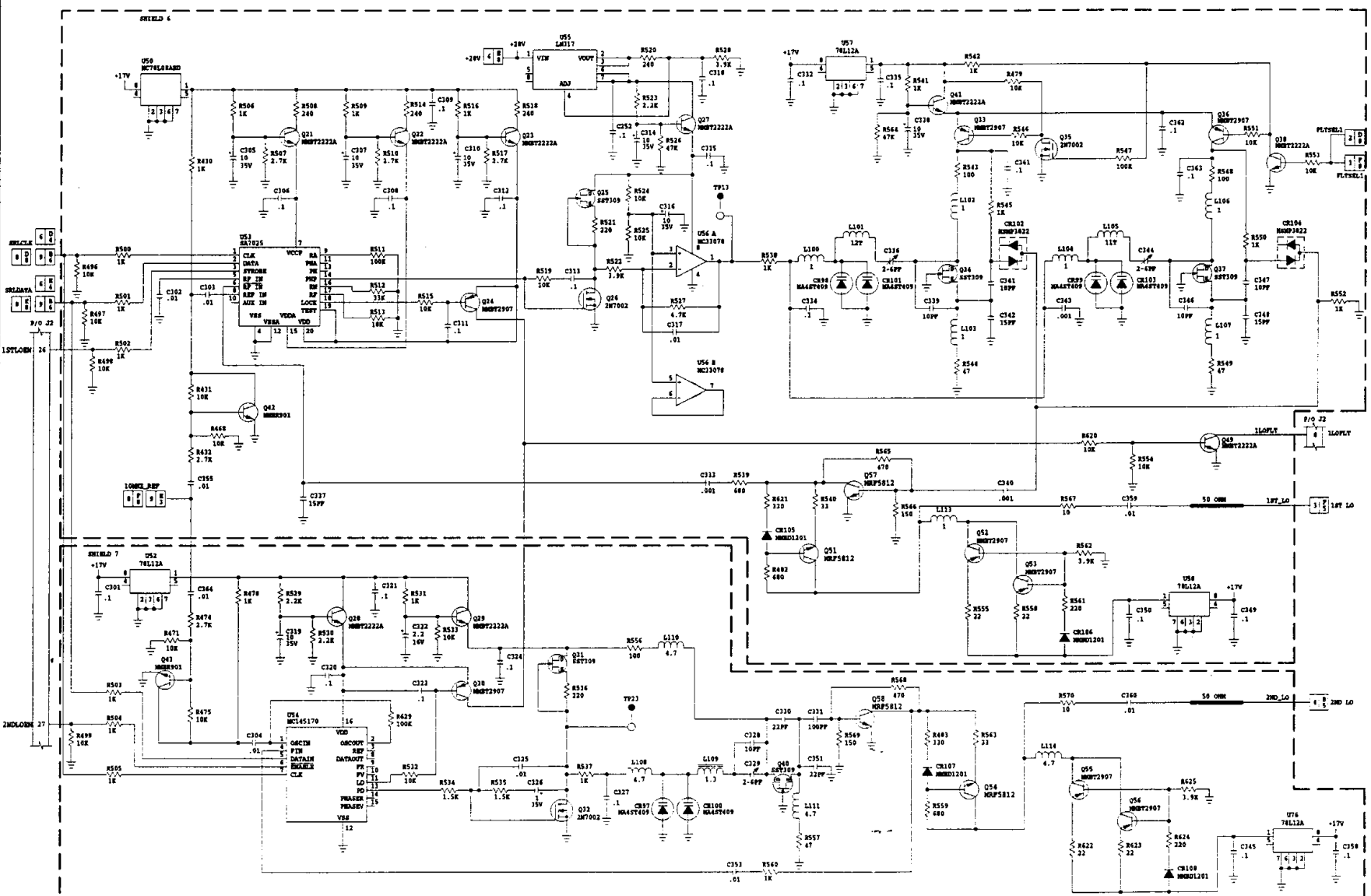
NOTES: UNLESS OTHERWISE SPECIFIED





NOTES: UNLESS OTHERWISE SPECIFIED

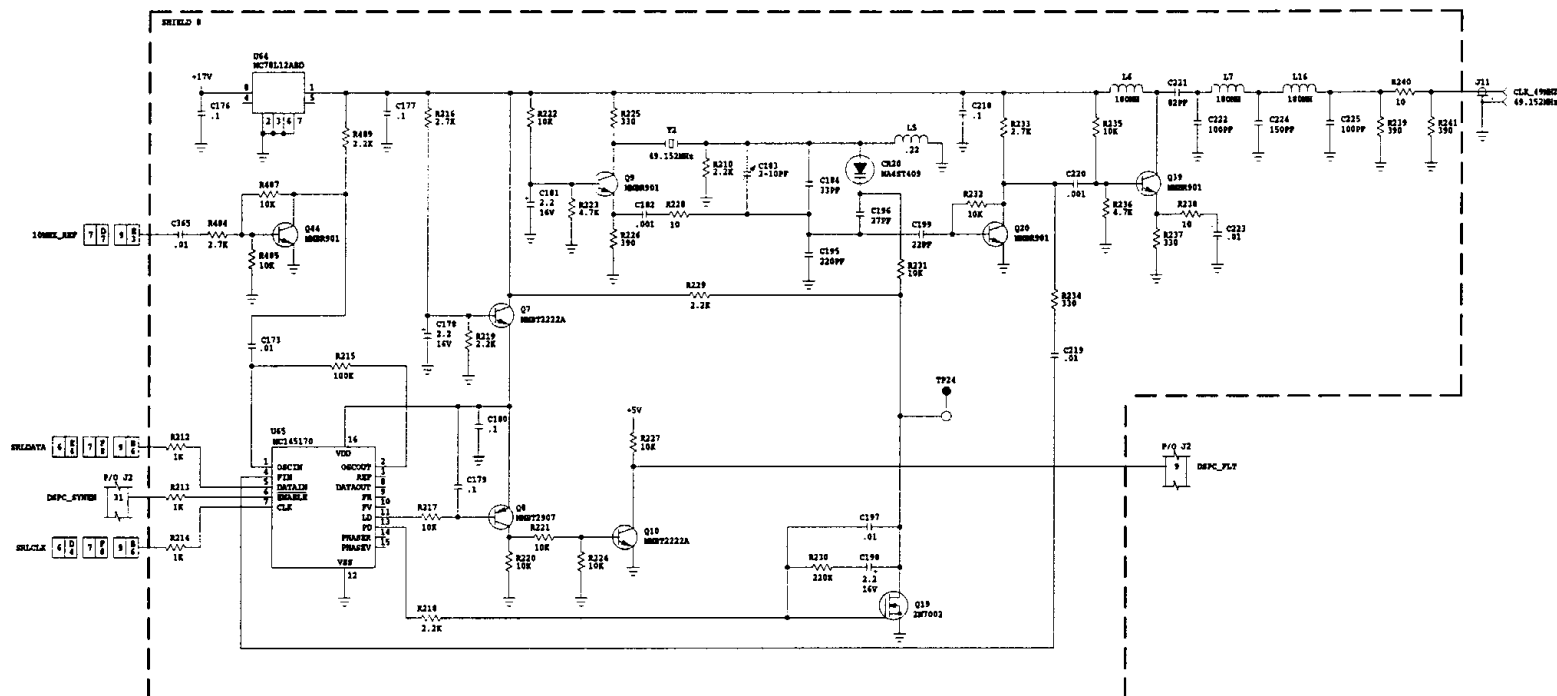
1ST & 2ND LO'S



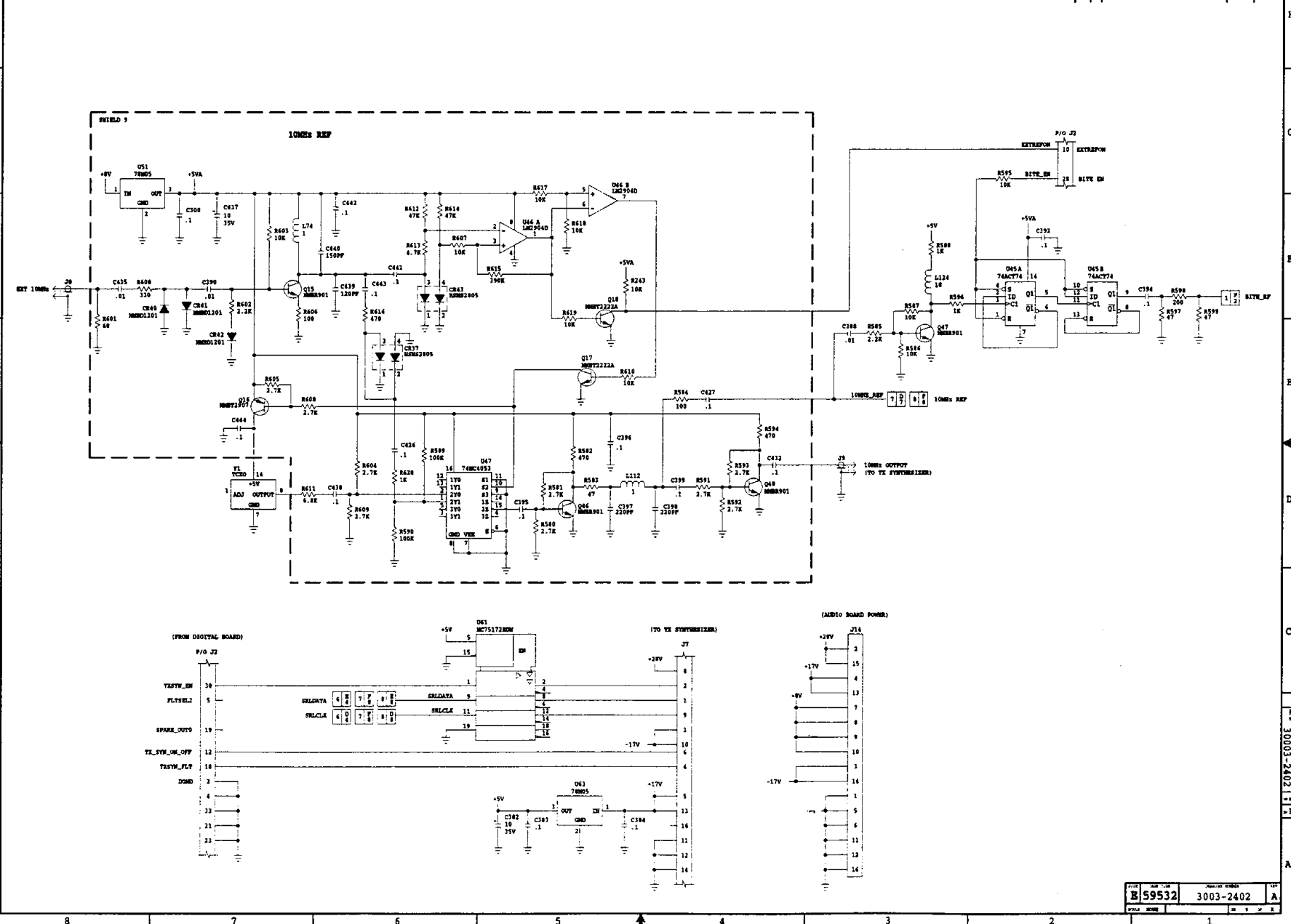
3003-2402

8

NOTES: UNLESS OTHERWISE SPECIFIED



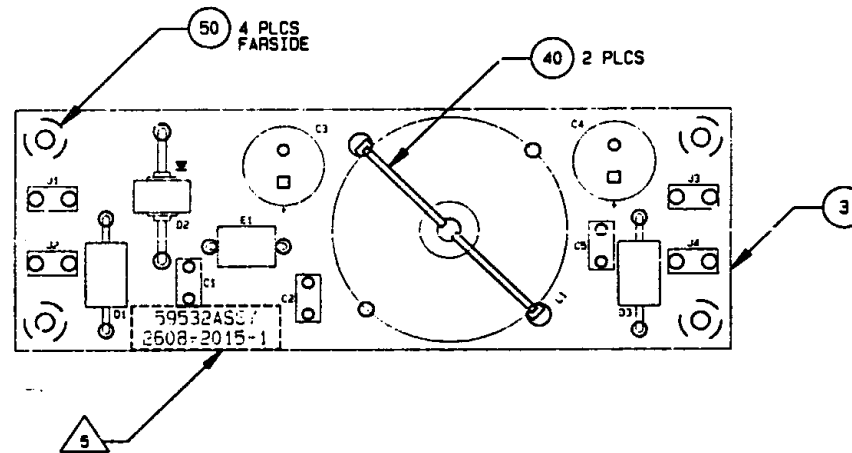
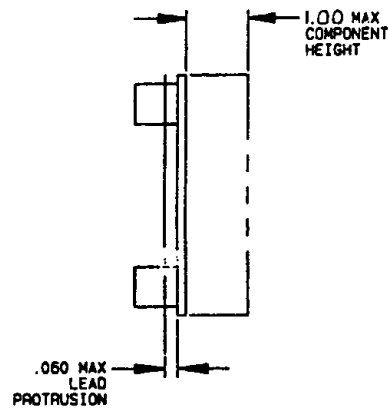
NOTES: UNLESS OTHERWISE SPECIFIED



59532 3003-2402

NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DRAWING IN ACCORDANCE WITH DDD-STD-100.
2. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
3. REFERENCE SCHEMATIC DIAGRAM 2608-2415.
4. SOLDER WORKMANSHIP ONLY PER MIL-STD-2000. USE SOLDER IN ACCORDANCE WITH OPERATING INSTRUCTIONS 400.9 AND 600.4.
5. RUBBER STAMP, OR EQUIVALENT, ASSY NO., REV LTR AND SERNO IN .06 TO .13 HIGH CHARACTERS PER MIL-STD-130, USING FIND NO. 8, OR EQUIVALENT. LOCATE APPROX WHERE SHOWN.
6. TERMINATE THRU LEADS USING UNCLINCHED LEAD ATTACHMENT.



1 -1 ASSEMBLY
(CMPNT SIDE VIEW)

SEE SEPARATE PARTS LIST

REV	1	2	3	4	5	6	7	8	9	10	11	12	13
SH													

DASH NO.	NEXT ASSY	USED ON
-4	2608-1000-1	CDR-3374
-1	2608-1000-1	CDR-3370
UNLESS OTHERWISE SPECIFIED BY CONTRACT APPLICATION DATA IS FOR CUBIC USE ONLY		

DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCE ON	
DECIMALS	ANGLES
.X ±.1	± 30°
.XX ±.03	
.XXX ±.010	

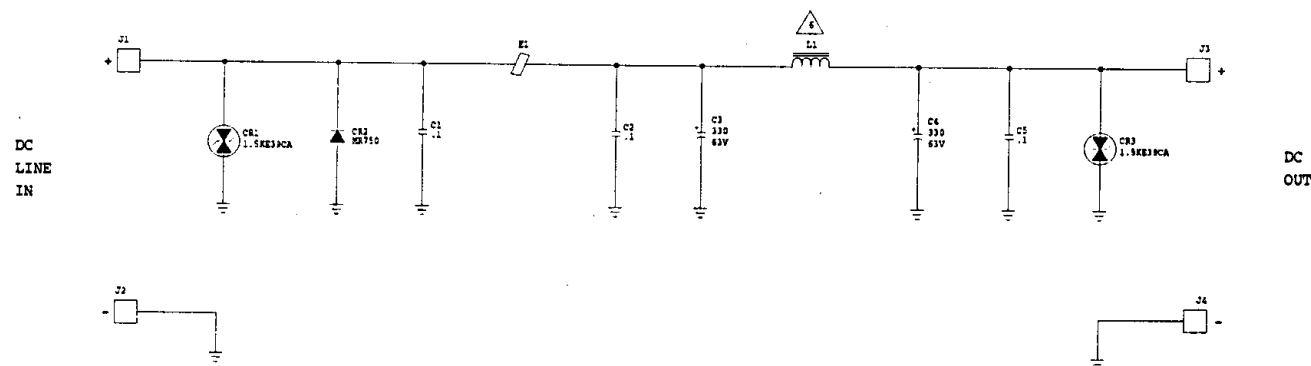
CONTRACT NUMBER		CUBIC COMMUNICATIONS, INC.	
4285 PONDEROSA AVE., P.O. BOX 85587, SAN DIEGO, CA 92138-55			
ISSUED		PRINTED WIRING ASSEMBLY	
QA		DC LINE FILTER	
W'S			
REL			
STD			
FIGS			
CFSTION			
CHECK			
DRAWN	MARK CHAN 97 JAN 31	SIZE	CAGE CODE
DESIGN ACTIVITY APPROVAL		D	59532
APPROVED		DRAWING NUMBER	2608-2015
		SCALE	2/1
		SH	1 1/2 1

NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100.
2. CAUTION: CONTAINS PARTS & ASSEMBLIES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD). REFER TO MIL-STD-1686 AND MIL-HDBK-263 FOR PROTECTIVE HANDLING, PACKAGING AND PROCESSING PROCEDURES.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATIONS PREFIX WITH UNIT NUMBER AND SUBASSEMBLY DES.
4. CAPACITANCE VALUES ARE IN MICROFARADS (UF) +/- 10%.
5. INDUCTANCE VALUES ARE IN MICROHENRIES (UH) +/- 10%.

INDUCTOR VALUE TABLE

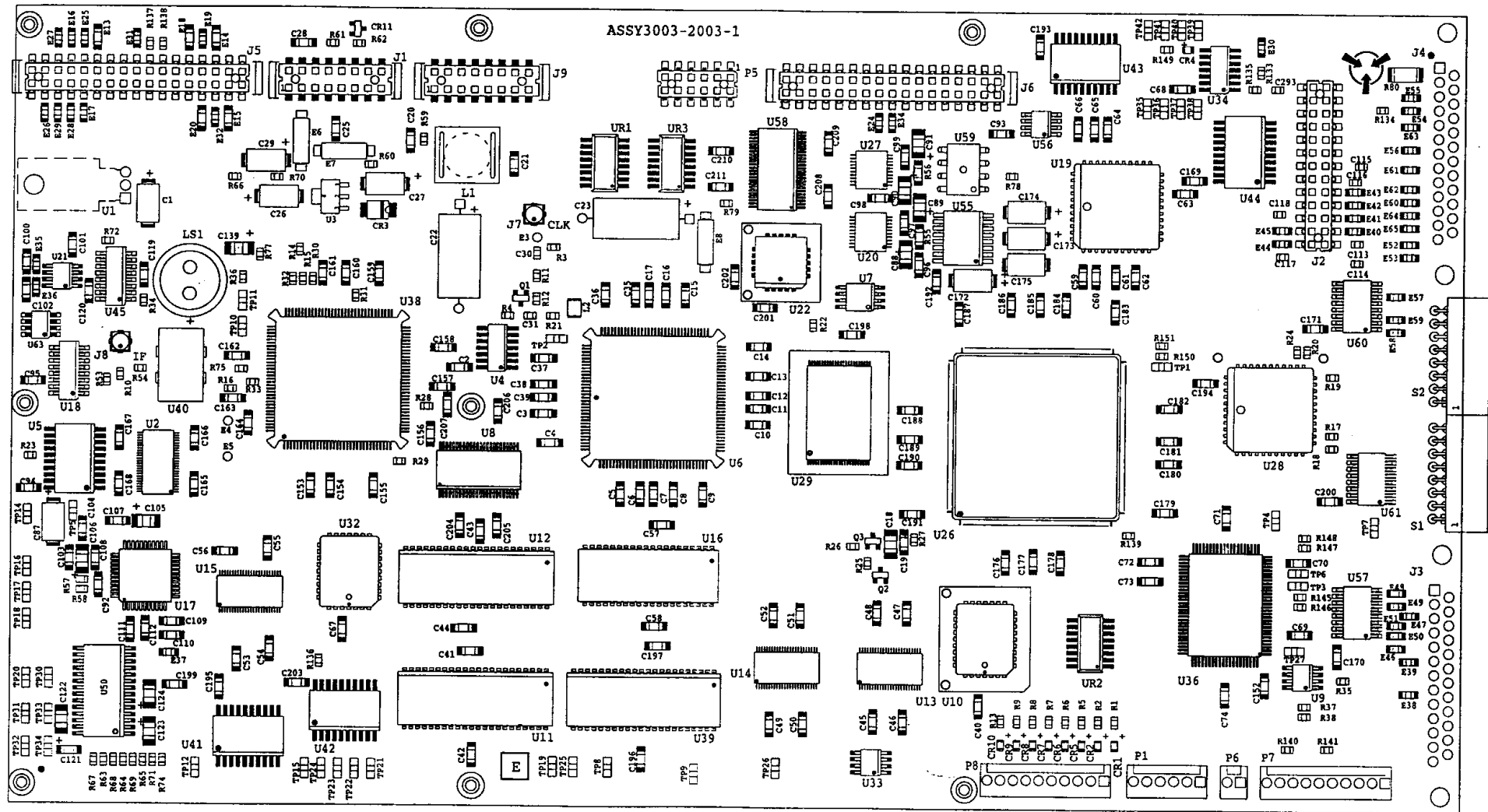
DASH	CURRENT RATING	VALUE
-1	7 AMPS	150
-2	15 AMPS	60



REFERENCE DESIGNATIONS LAST USED	REFERENCE DESIGNATIONS NOT USED
C5	
CR3	
E1	
J4	
L1	

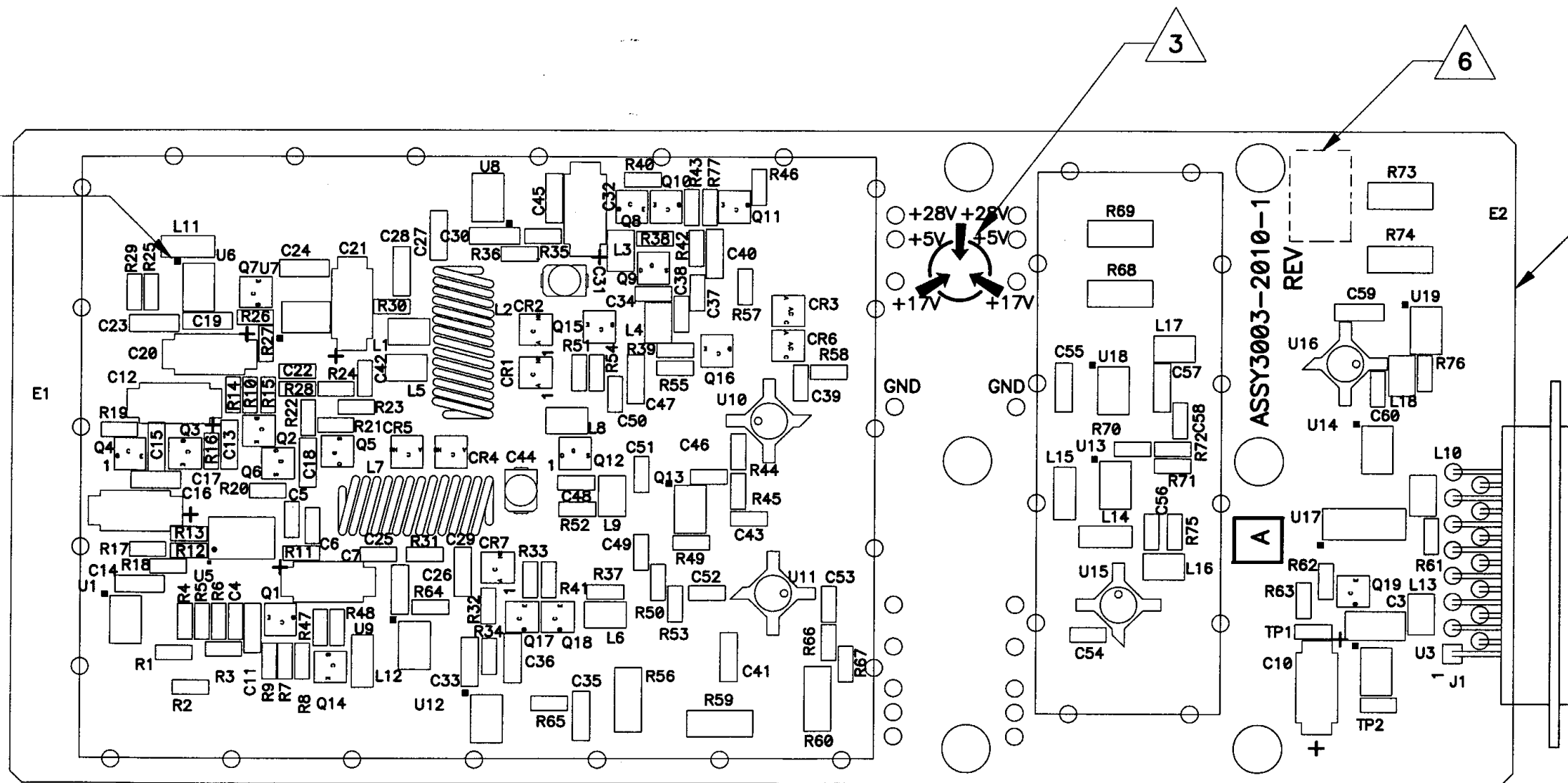
PRELIMINARY 98-09-10

DO NOT SCALE DRAWING		CONTRACT NUMBER CCI		CIRCUIT COMMUNICATIONS, INC.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DATE 11/1/98		SCHEMATIC DIAGRAM, DC LINE FILTER	
DESIGNED BY J. J. J.		CHECKED BY J. J. J.		DATE 11/1/98	
DRAWN BY J. J. J.		APPROVED BY J. J. J.		DATE 11/1/98	
PART NAME DC LINE FILTER		QUANTITY 1		PRICE \$59532	
UNLESS OTHERWISE SPECIFIED BY CONTRACT REFERENCE DATA IS FOR CIRCUIT ONLY		REVISIONS		2608-2415	



SCREEN MASTER

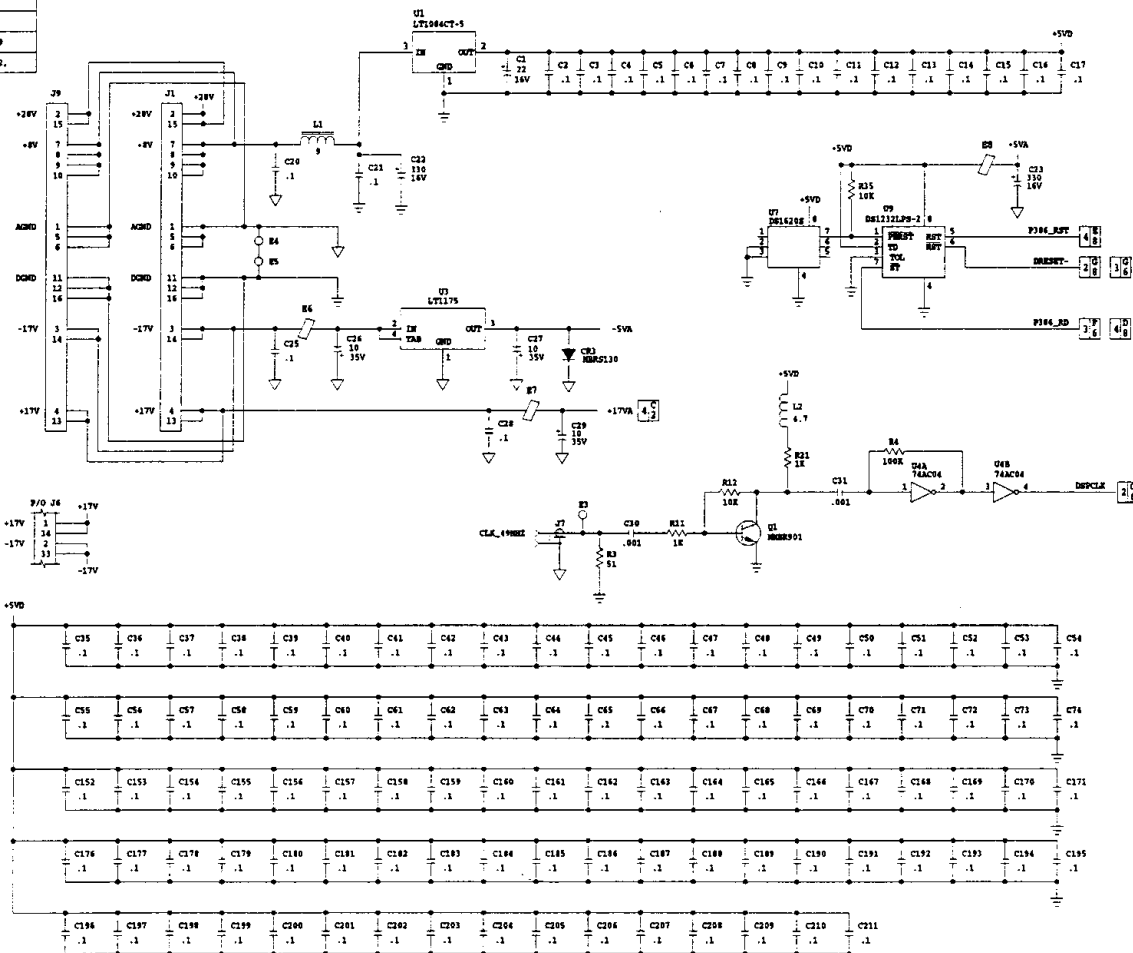
TOOL NO. 3003-2203 REV E SH 10



7. CROSS REFERENCE OF SIGNALS BETWEEN SHEETS ARE INDICATED AS FOLLOWS:

SHEET NO. _____ ZONE _____

REFERENCE DESIGNATION LAST USED		REFERENCE DESIGNATION NOT USED
C213	P4	C24, C14, C75-C86.
C811	Q3	C125-C151.
E65	R151	E1, E2, E9-E12.
J6	S2	K21-K23, K75, P2-P4
	TP42	R19-R52, R73
		R76, R81-R132.
L2	U63	R162-R166.
L61	UM1	TP20, TP29.
		U36, U35.
		U55, U66-U69
		U51-U56, U62.

[illegible]

REVISIONS				
DATE	BY	DESCRIPTION	DATE	BY
A		DCR 726911, 727705, 727716, DCR 727752, 727808: INCORPORATED CHARGES PER MARKED PRINT. R LIST 98-09-17	08-10-16 08-09-10 08-10-06 08-10-17	T. HARRIS R. SMITH C. JAMES J. SMITH
A		DCR 728079, 728176: INCORPORATED CHARGES PER MARKED PRINT. R LIST 98-03-08	08-10-17	J. SMITH

POWER AND GROUND CHART					
DEVICE	+5VD	DGND	NC	REF DES	
1074ACT162374ATPA	7.18, 31.42,	4.18,15.21, 28.34,39,45		02,U13, 014,U15,	
74AC04	14	7		04	
74ACT14	14	7		034	
74MS730C31	6.15,24,32,33, 40,49,59,65, 64,74,81,91, 97,104,105, 115,121,133, 132	3.4,17,19,39, 45,116,127, 51,57,61,69, 70,71,84,85, 88,101,102, 109,133,117, 139,138		06	
74ACT162440L	7.18, 31.42,	4.10,15.21, 28,34,39,45		08	
2802-1002-1	32	16		010	
TC551632	11,33	12,36	22,23,28	011,012,019	
TC551632	10,38,	12,31,		016	
AM4012	7.9,12.15,25, 36,38,39,	8.10,11.16,17, 29,30,37,40,		018	
3003-3005-1	17,20	18		022	
IC4013XL	19,30,46,61, 60,90,101, 121,140,150, 141,180,201, 212,222,240,	1.14,22,29,37, 45,59,75,81,91, 98,106,119,128, 143,151,156,164, 162,195,196,204, 211,218,227,		026	
SN75256	41	20		028	
3003-1001-1	37	27,46		029	
28PC44	12			032	
3003-1004-1	7,28,40,53, 59,90,100,	2,21,33,46,64, 71,77,84		036	
1MYEL386	9.10,29,39,47, 46,71,81,89, 109,121,127,	3.17,31,34,46, 44,49,57,87, 100,114,130,		038	
74ACT273	20	18		041,042,043	
74ACT573	20	18		044	
MC2258	13	13		050	
MAX232	14	15		055	
MSM4050	14	8		057,060,061	
74ACT16373	7.18, 11.42,	4.10,15.21, 28,34,39,45		058	

SCHEMATIC DIAGRAM,
DIGITAL

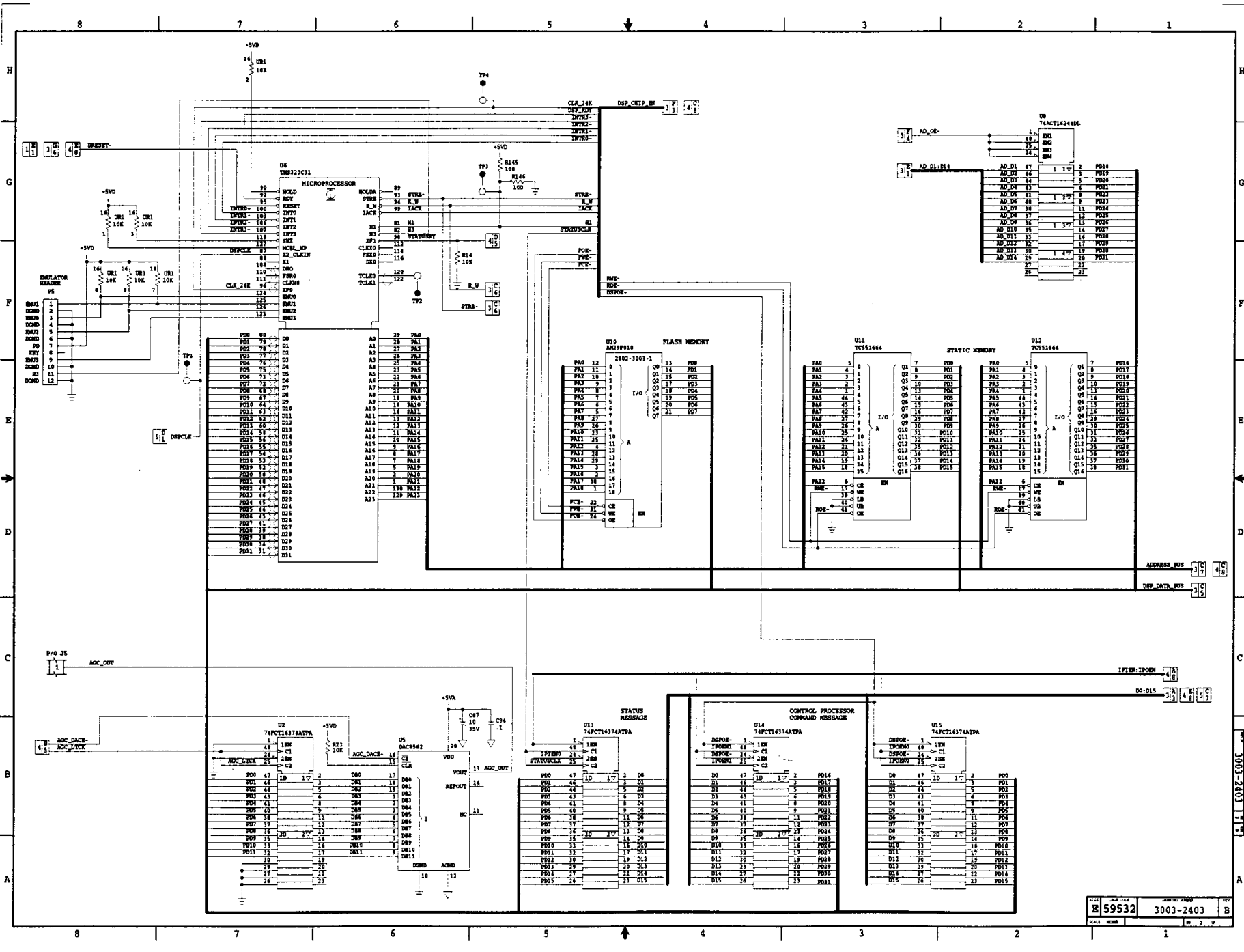
2002-2403	50522
-----------	-------

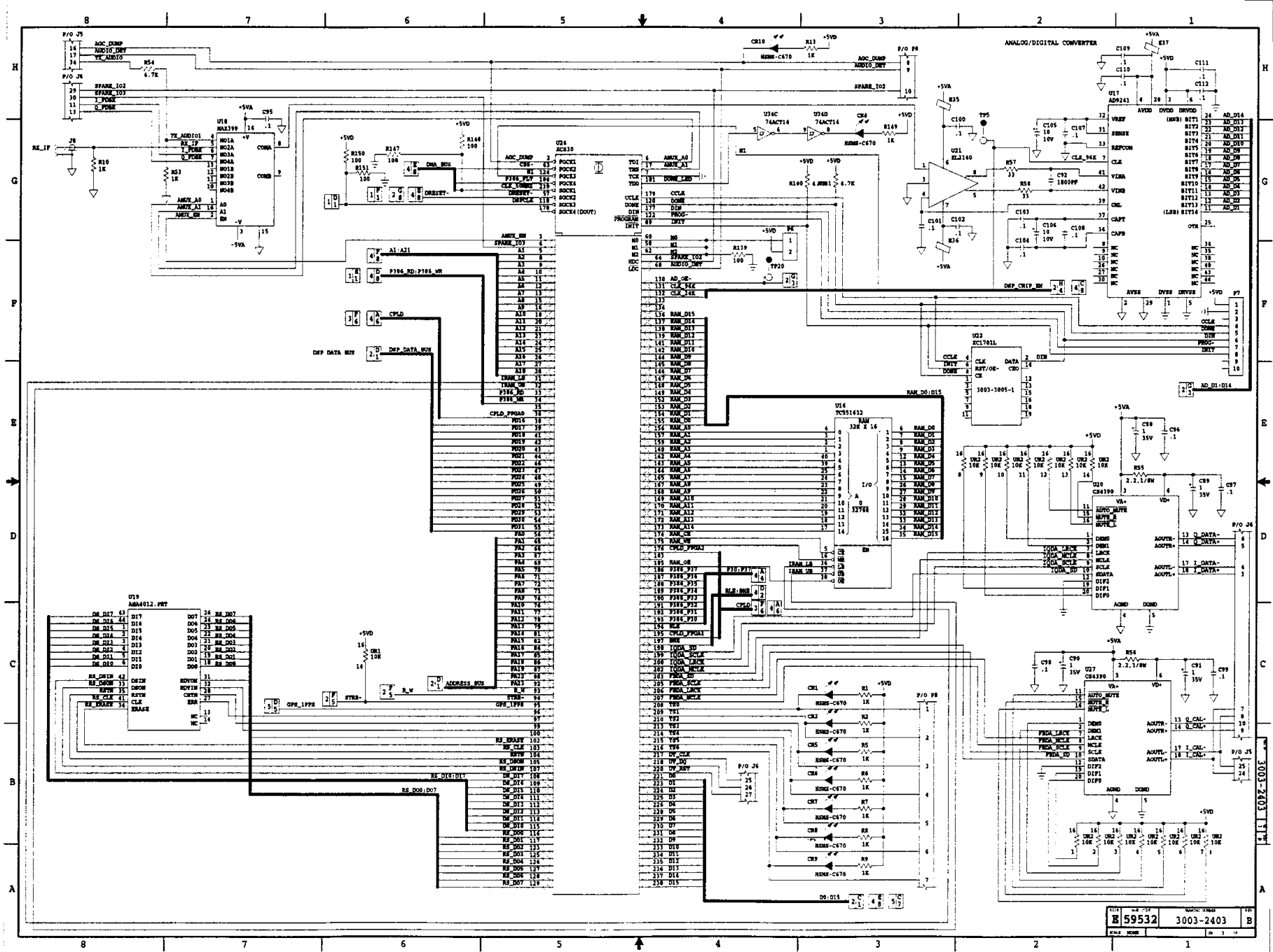
59532 3003-2403

PCAL4	NOV	20	1
-------	-----	----	---

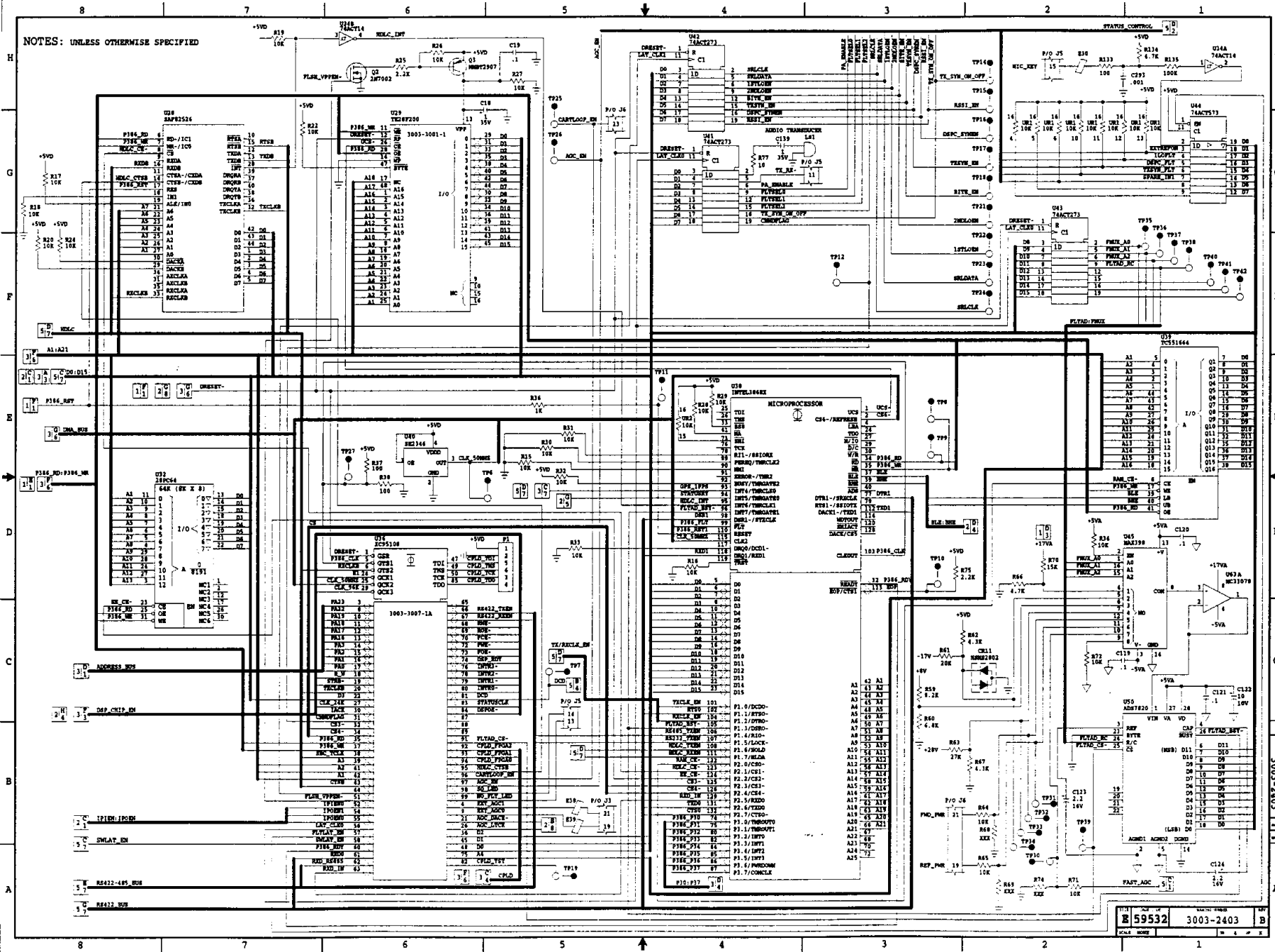
1

15

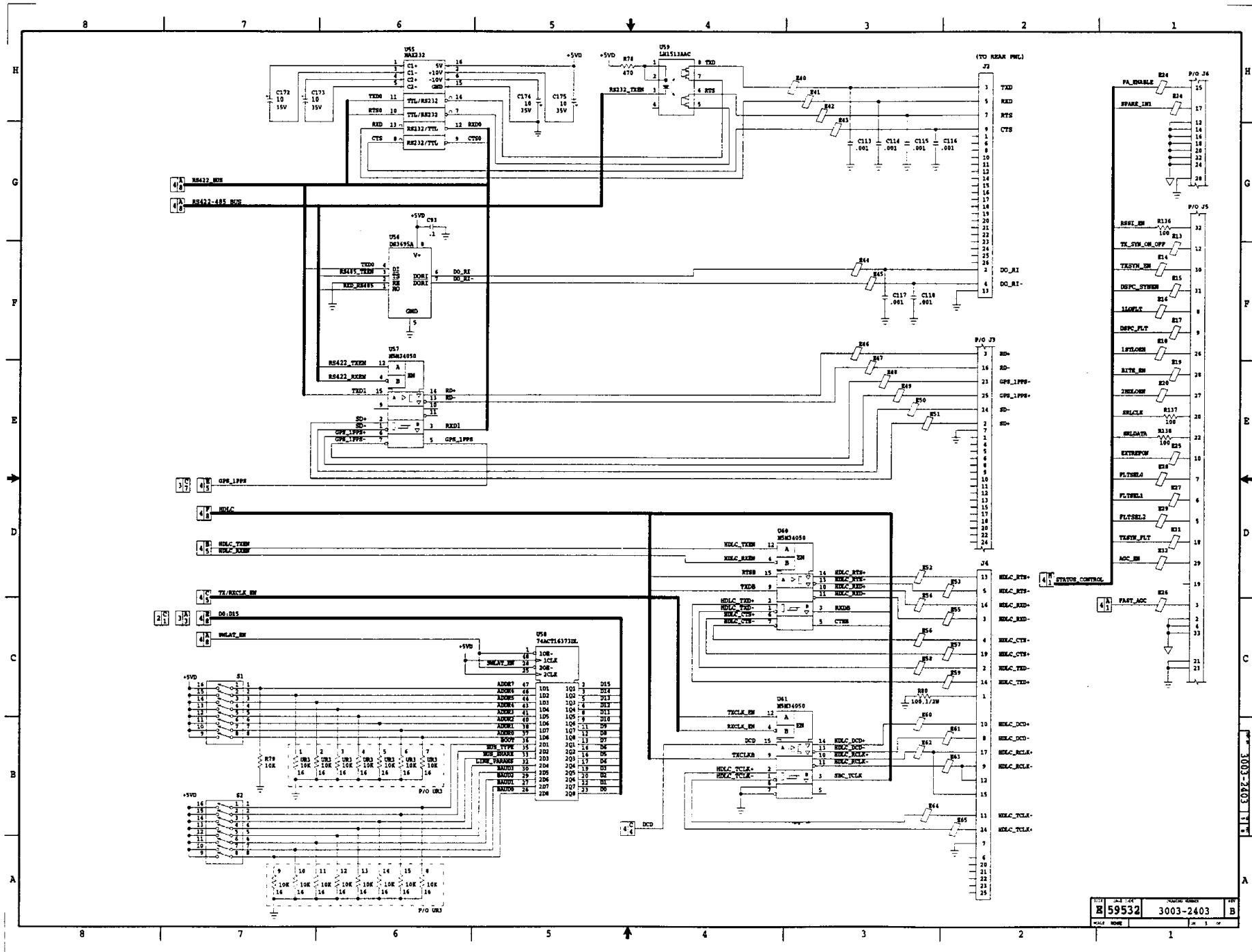


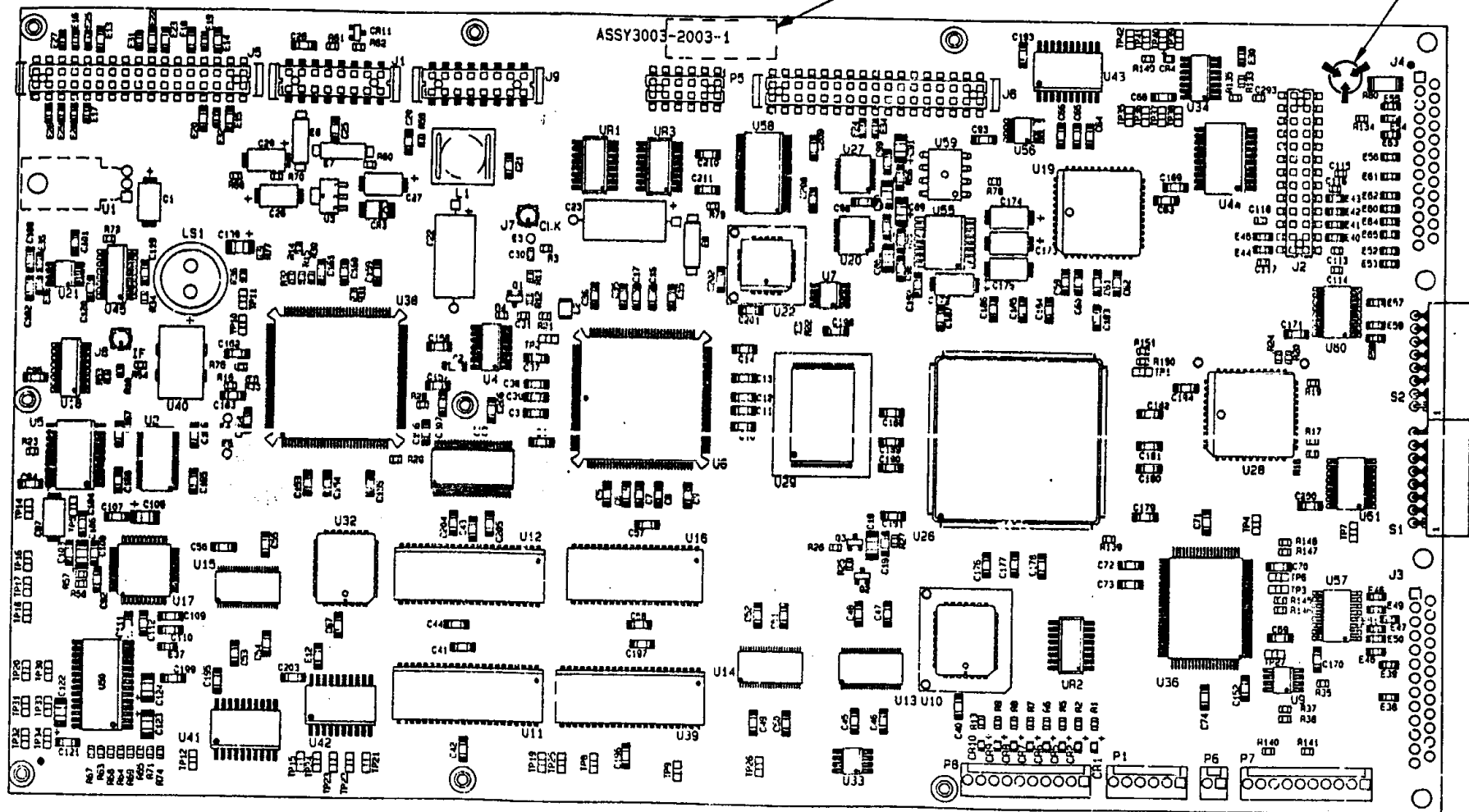


NOTES: UNLESS OTHERWISE SPECIFIED

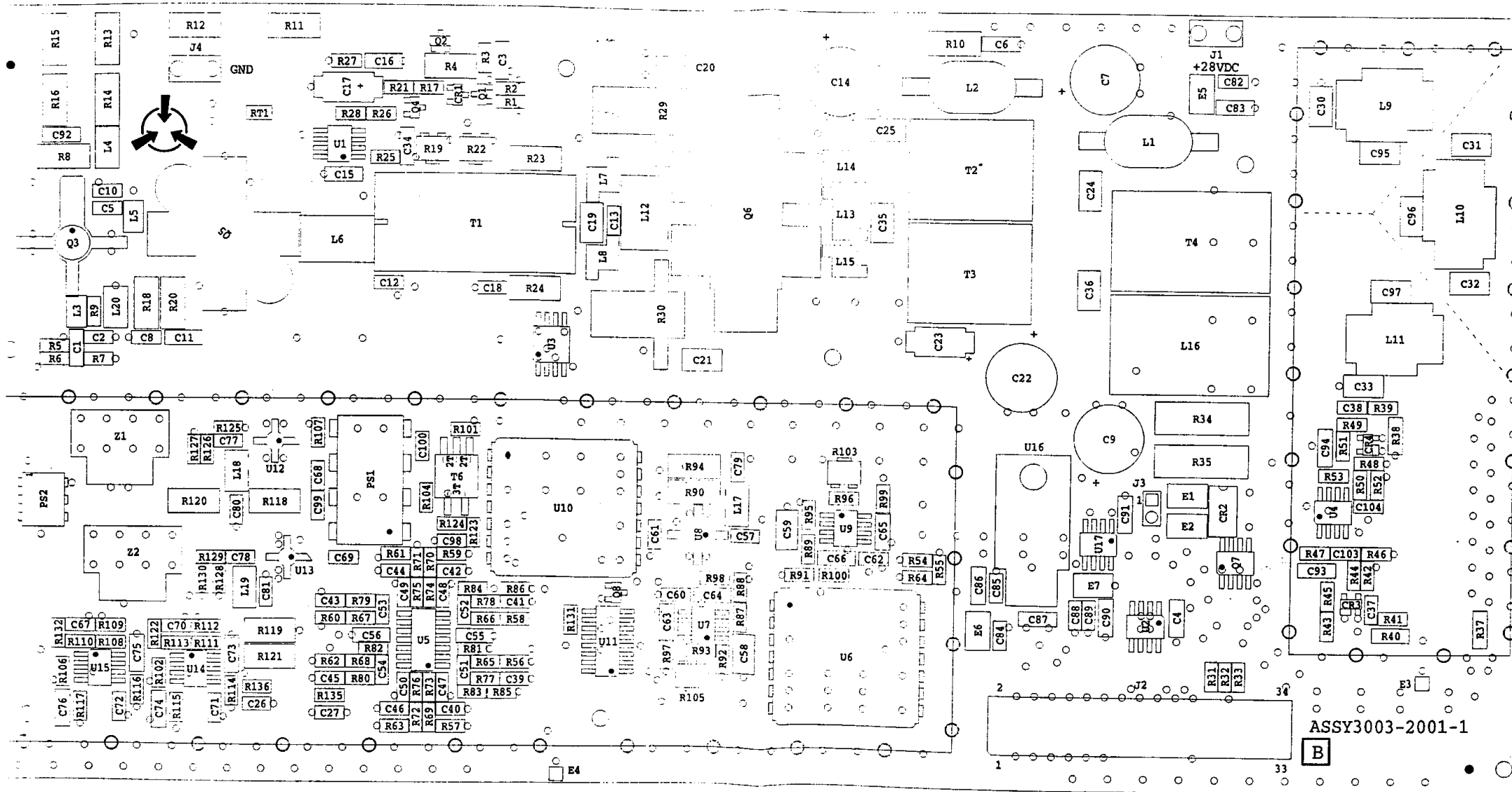


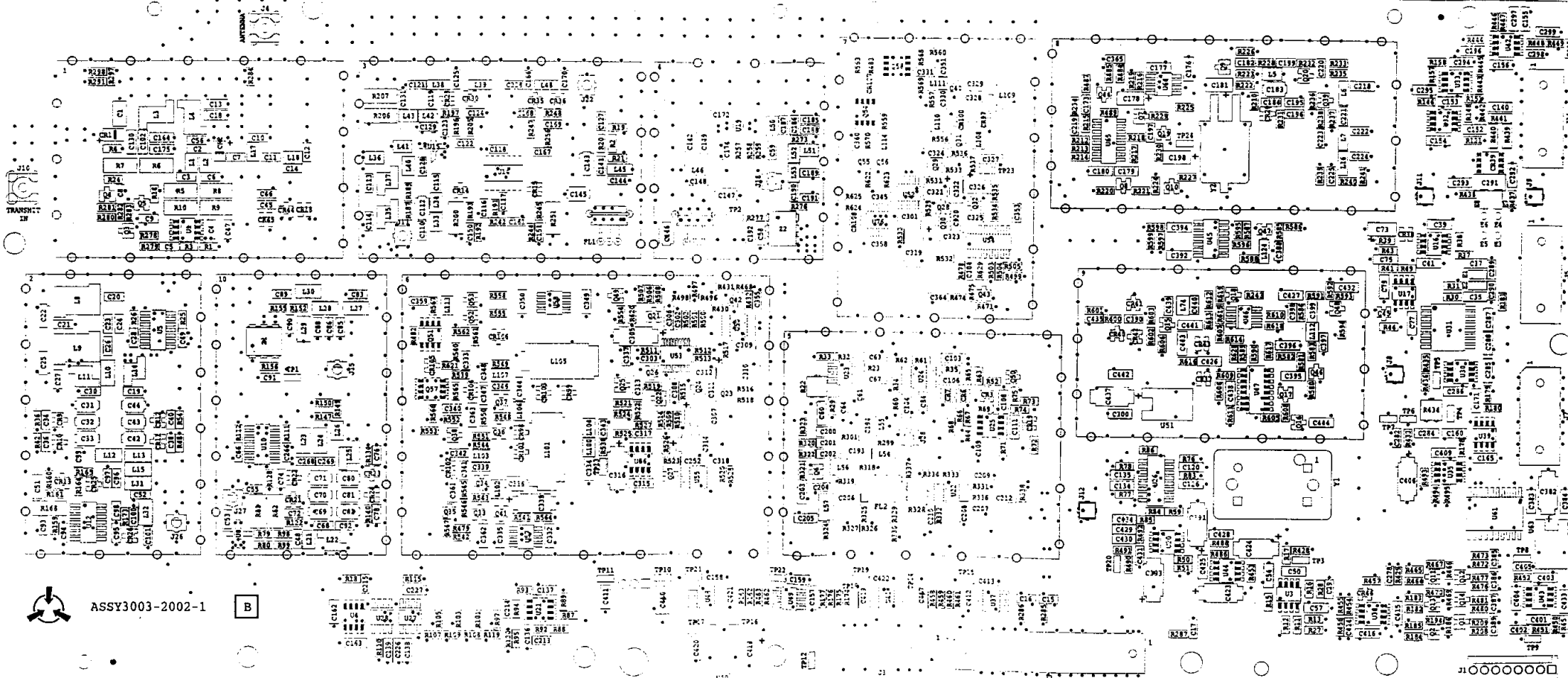
59532 3003-2403 B





1 -1 ASSEMBLY
COMPONENT SIDE





ASSY3003-2002-1

B

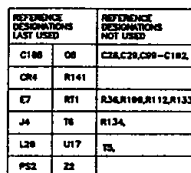
1. INTERPRET DRAWING IN ACCORDANCE WITH DOD-STD-100.

1. INTERPRET DRAWING IN ACCORDANCE WITH DOD-STD-100.
2. CAUTION: CONTAINS PARTS ASSEMBLAGES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD). REFER TO MIL-STD-188B AND DOD-HQW-263 FOR PROTECTIVE HANDLING, PACKAGING AND PROCESSING PROCEDURES.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATIONS PREFIX WITH UNIT NUMBER AND SUFFIX DESIG.
4. CAPACITANCE VALUES ARE IN MICROFARADS (μF) $\pm 10\%$.
5. INDUCTANCE VALUES ARE IN MICRONHENRIES (μH) $\pm 10\%$.
6. RESISTANCE VALUES ARE IN OHMS, 5%, 1/16WATT.
7. - INDICATES SIGNAL IS ACTIVE LOW OR IS FALLING EDGE CLOCK.
8. CROSS REFERENCE OF SIGNALS BETWEEN SHEETS IS INDICATED AS FOLLOWS:

 INSTALLED AT MODULE LEVEL
 SHEET

X	X
X	X

ZONE



-6	3003-3481	JFC-100
DASH NO.	NEXT ASSY	USED ON

UNLESS OTHERWISE SPECIFIED BY CONTRACT APPLICATIONS DATA IS FOR CLIP USE ONLY

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLEBRANCE ON

22.1
22.2

JOHN 2:210

CONTRACT NUMBER	001
-----------------	-----

Q. Now, you're going to ask me to read this, is that right?

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Page 1

DATE	_____
TIME	_____

SECRETARY OF DEFENSE

APPENDIX

1

2

2

 CUBIC COMMUNICATIONS INC.

2025 RELEASE UNDER E.O. 14176

SCHEMATIC DIAGRAM,

ATC-100 POWER AMP

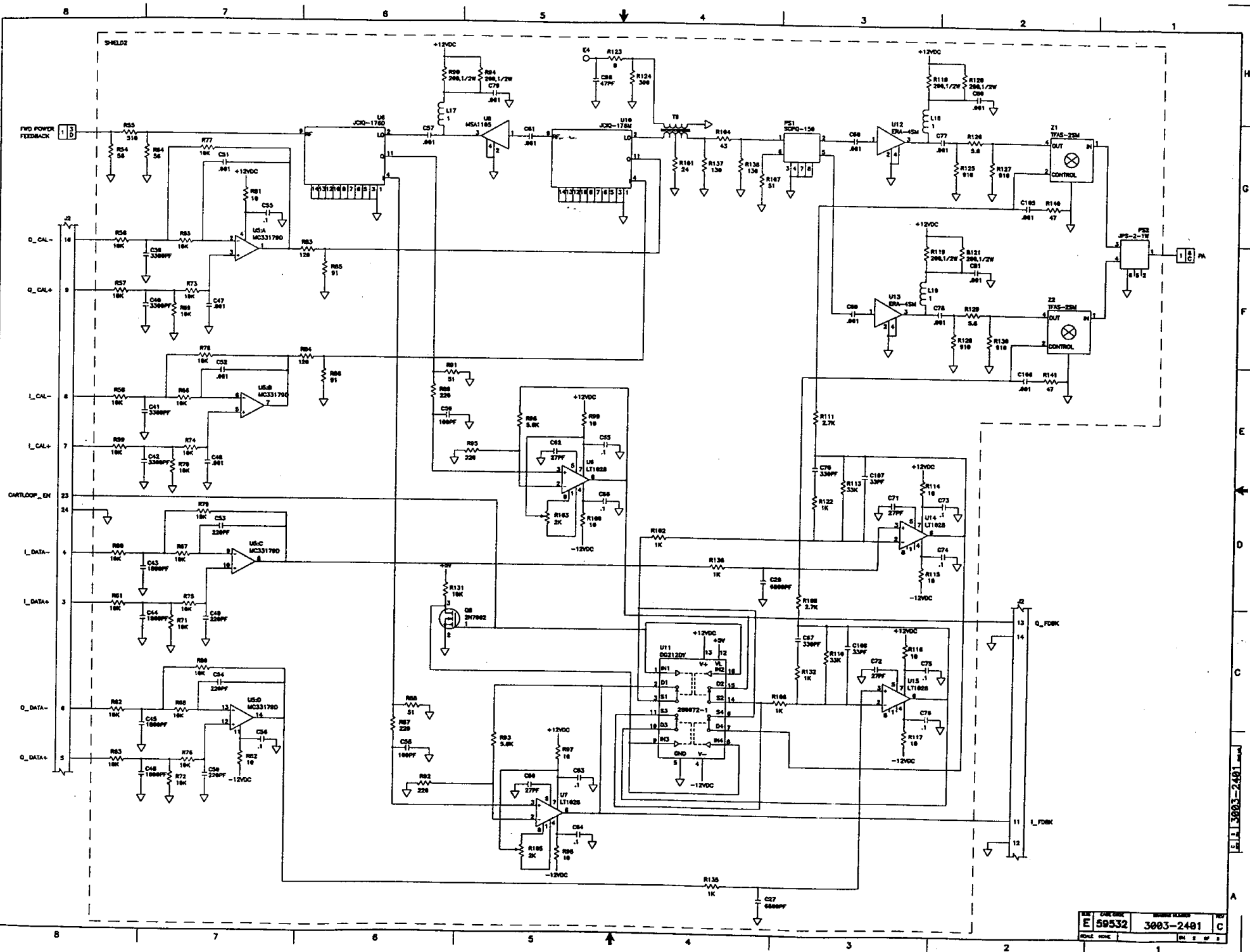
[illegible]

E	59532	3003-2401
---	-------	-----------

[illegible]

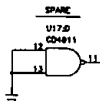
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---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

1

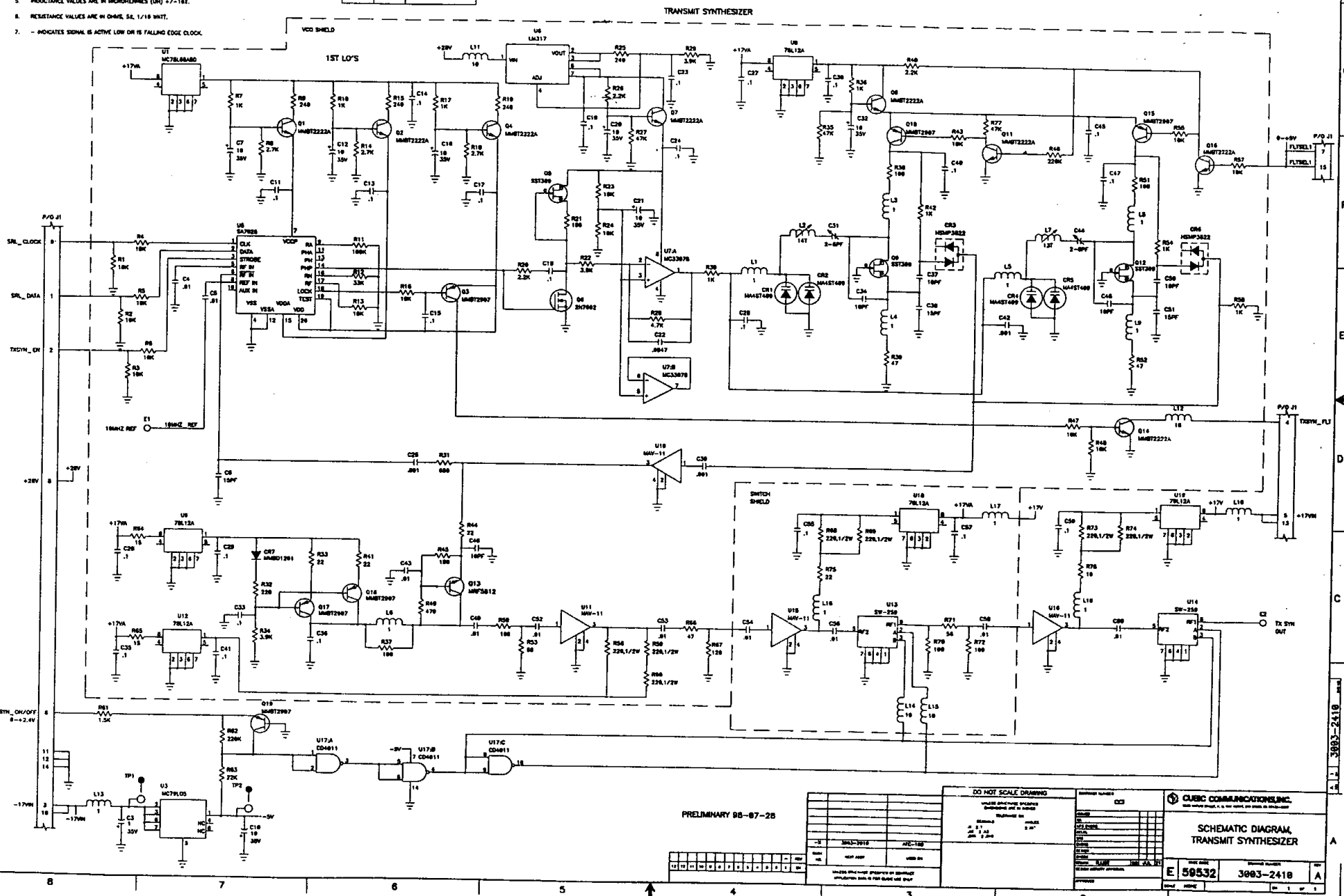


1. INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100.
2. CAUTION: CONTAINS PARTS & ASSEMBLIES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD). REFER TO MIL-STD-100B AND MIL-STD-2000 FOR PROTECTIVE HANDLING, PACKAGING AND PROCESSING PROCEDURES.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATIONS PREFIX WITH UNIT NUMBER AND SUBSIST CODE.
4. CAPACITANCE VALUES ARE IN MICROFARADS (μF) $\pm 10\%$.
5. INDUCTANCE VALUES ARE IN MICROHENRIES (μH) $\pm 10\%$.
6. RESISTANCE VALUES ARE IN OHMS, SE. 1/10 MILL.
7. - INDICATES SIGNAL & ACTIVE LOW OR IS FALLING EDGE CLOCK.

REFERENCE DESIGNATIONS LAST USED		REFERENCE DESIGNATIONS NOT USED
C88	Q18	C1,C2,C8,C9
CR7	R77	
E2	TP2	
J1	U18	U2,U4
L18		



REVISIONS				
DATE	BY	DESCRIPTION	REV	APP
	A	DCR 727B42A: INITIAL RELEASE. PLIST 99-82-18		



PRELIMINARY 98-07-25

[illegible]

25