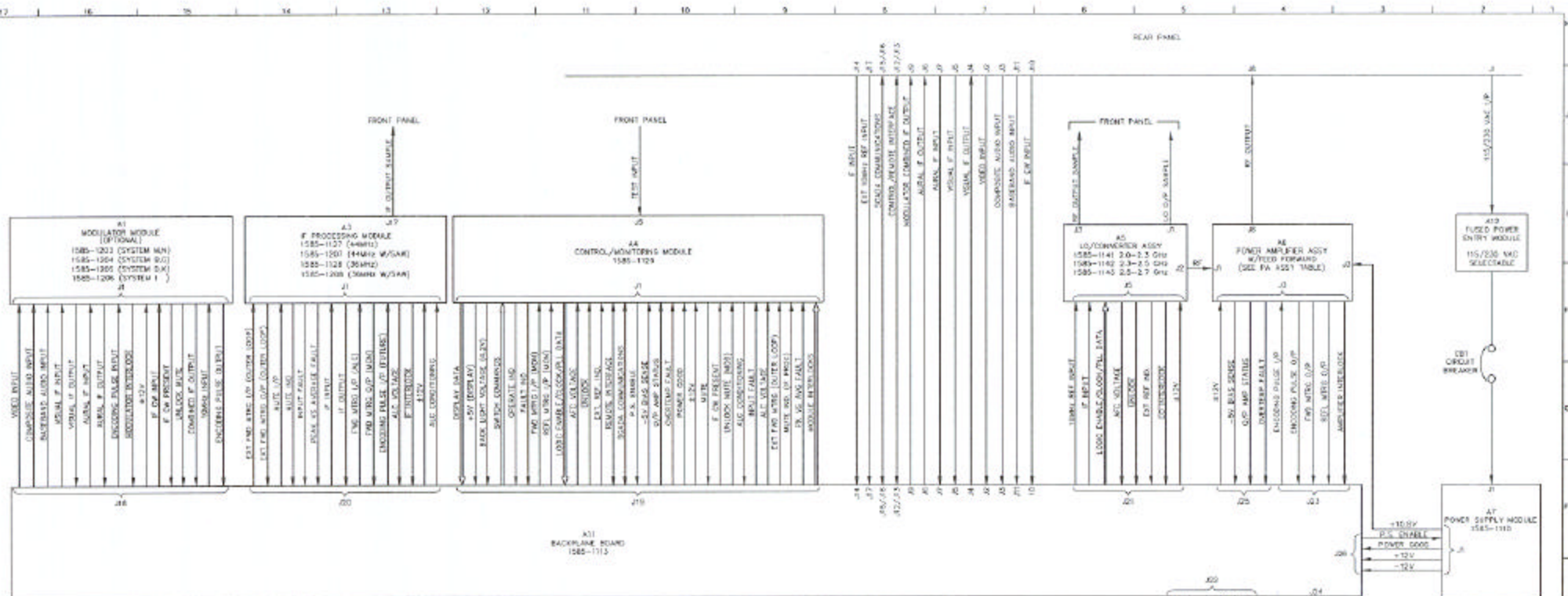
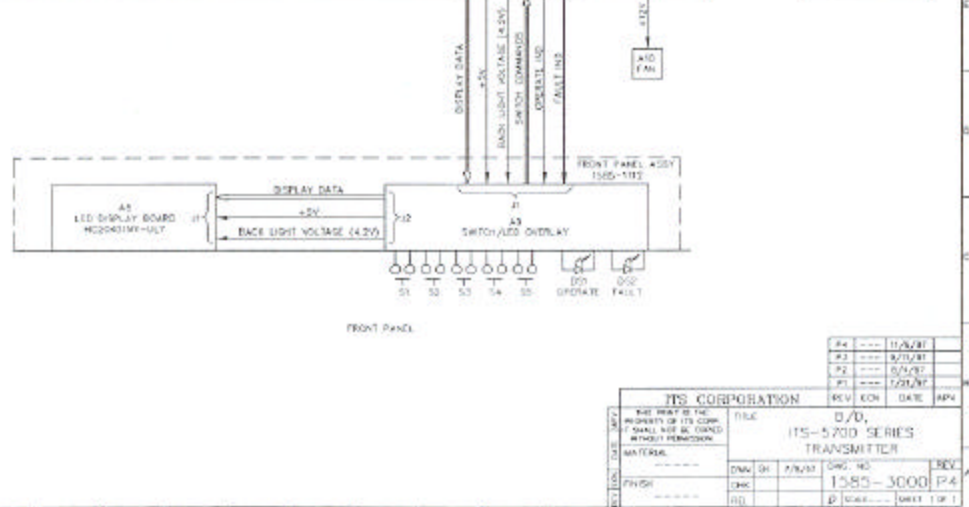
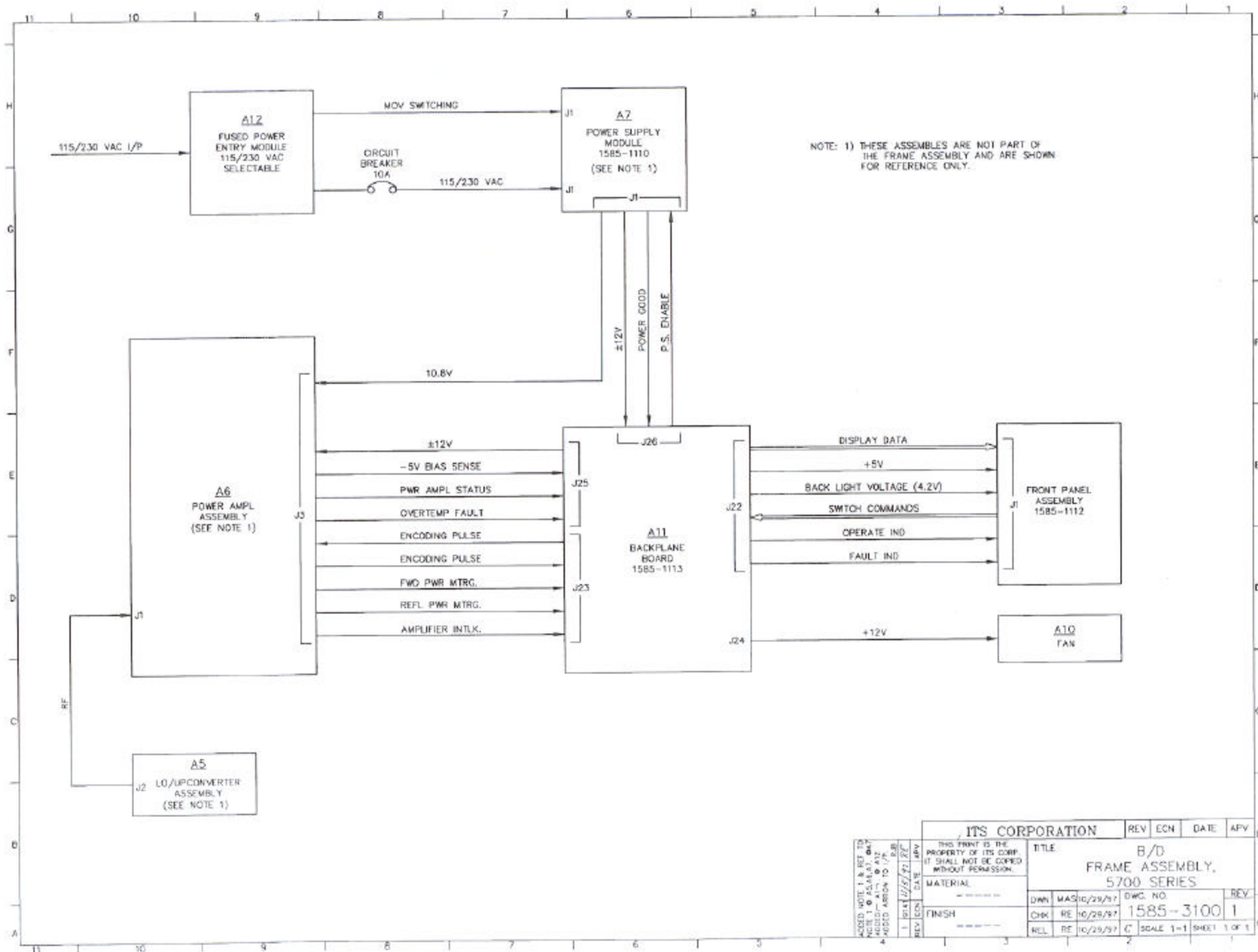




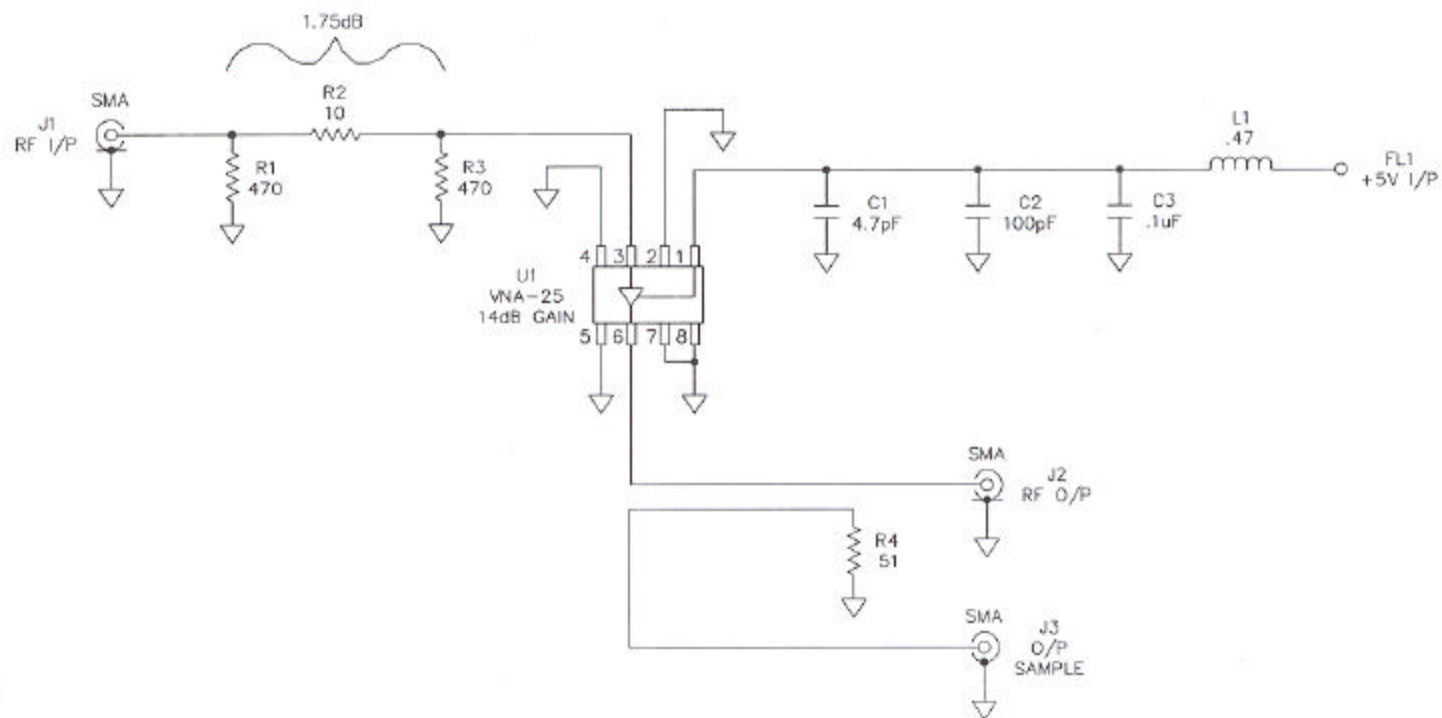
MODULE	OPERATIONS
A1 MODULATOR	IF INPUT: 30MHz, 44MHz, (30MHz W/S) INPUT LEVEL: -12 TO -3 dBm PEP (LOW GAIN), -17 TO -3 dBm PEP (HIGH GAIN), -22 TO -120dBm (100 dB GAIN) IF OUTPUT LEVEL: > 15dB IF OUTPUT LEVEL: -150dBm TO -150dBm PEP (LOW GAIN), -100dBm TO -90dBm PEP (HIGH GAIN) IF SAMPLE LEVEL: -160dB (LOW GAIN), -210dB (HIGH GAIN) POWER REQUIREMENTS: +10V @ 800mA, -12V @ 100mA
A3 IF PROCESSING	IF INPUT: 32-40 MHz OR 41-47 MHz INPUT LEVEL: -80dBm ±1.5dB DIGITAL AVERAGE POWER CONVERSION GAIN: 0 ±1.5dB IF OUTPUT: 2.0-2.3 GHz OR 2.3-2.5 GHz OR 2.5-2.7 GHz 10MHz INPUT LEVEL: 0 TO +10dBm LO OUTPUT LEVEL: 0 TO +84dBm LO TUNING STEP SIZE: 500kHz POWER REQUIREMENTS: +12V @ 400mA (150mA W/OPT. INTERVAL 10MHz), -12V @ 50mA
A4 CONTROL/MONITORING	POWER REQUIREMENTS: +12V @ 250mA, -12V @ 50mA
A5 LO/UPCONVERTER	IF INPUT: 2.0-2.5 GHz OR 2.3-2.5 GHz OR 2.5-2.7 GHz INPUT LEVEL: -100dBm TO -90dBm PEP (LOW GAIN), -100dBm TO -90dBm PEP (HIGH GAIN) IF OUTPUT LEVEL: -100dBm TO -90dBm PEP (LOW GAIN), -100dBm TO -90dBm PEP (HIGH GAIN) IF SAMPLE LEVEL: -160dB (LOW GAIN), -210dB (HIGH GAIN) POWER REQUIREMENTS: +10V @ 800mA, -12V @ 100mA
A6 POWER AMPLIFIER	IF INPUT: 2.0-2.5 GHz OR 2.3-2.5 GHz OR 2.5-2.7 GHz INPUT LEVEL: -100dBm TO -90dBm PEP (LOW GAIN), -100dBm TO -90dBm PEP (HIGH GAIN) IF OUTPUT LEVEL: -100dBm TO -90dBm PEP (LOW GAIN), -100dBm TO -90dBm PEP (HIGH GAIN) IF SAMPLE LEVEL: -160dB (LOW GAIN), -210dB (HIGH GAIN) POWER REQUIREMENTS: +10V @ 800mA, -12V @ 100mA
A7 POWER SUPPLY	AC INPUT LEVEL: 100-240VAC @ 50/60Hz/800W DC OUTPUT LEVEL: +15.0V @ 3A, -12V @ 4A

PORT NUMBER	FREQ. (GHz)	DIGITAL PWR. (WATTS)	ANALOG PWR. (WATTS)
1585-1151	2.00-2.10	5	15
1585-1152	2.10-2.15	5	15
1585-1153	2.15-2.20	5	15
1585-1154	2.20-2.25	5	15
1585-1155	2.25-2.30	5	15
1585-1156	2.30-2.35	5	15
1585-1157	2.35-2.40	5	15
1585-1158	2.40-2.45	5	15
1585-1159	2.45-2.50	5	15
1585-1160	2.50-2.55	5	15
1585-1161	2.55-2.60	5	15
1585-1162	2.60-2.65	5	15
1585-1163	2.65-2.70	5	15
1585-1164	2.70-2.75	5	15
1585-1165	2.75-2.80	5	15
1585-1166	2.80-2.85	5	15
1585-1167	2.85-2.90	5	15
1585-1168	2.90-2.95	5	15
1585-1169	2.95-3.00	5	15
1585-1170	3.00-3.05	5	15
1585-1171	3.05-3.10	5	15
1585-1172	3.10-3.15	5	15
1585-1173	3.15-3.20	5	15
1585-1174	3.20-3.25	5	15
1585-1175	3.25-3.30	5	15
1585-1176	3.30-3.35	5	15
1585-1177	3.35-3.40	5	15
1585-1178	3.40-3.45	5	15
1585-1179	3.45-3.50	5	15
1585-1180	3.50-3.55	5	15
1585-1181	3.55-3.60	5	15
1585-1182	3.60-3.65	5	15
1585-1183	3.65-3.70	5	15
1585-1184	3.70-3.75	5	15
1585-1185	3.75-3.80	5	15
1585-1186	3.80-3.85	5	15
1585-1187	3.85-3.90	5	15
1585-1188	3.90-3.95	5	15
1585-1189	3.95-4.00	5	15
1585-1190	4.00-4.05	5	15
1585-1191	4.05-4.10	5	15
1585-1192	4.10-4.15	5	15





THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
MATERIAL				B/D FRAME ASSEMBLY, 5700 SERIES			
FINISH				DWN MAS 10/29/97		DWC NO.	REV
				CHK RE 10/28/97		1585-3100	1
				REL RE 10/29/97		C	SCALE 1=1 SHEET 1 OF 1



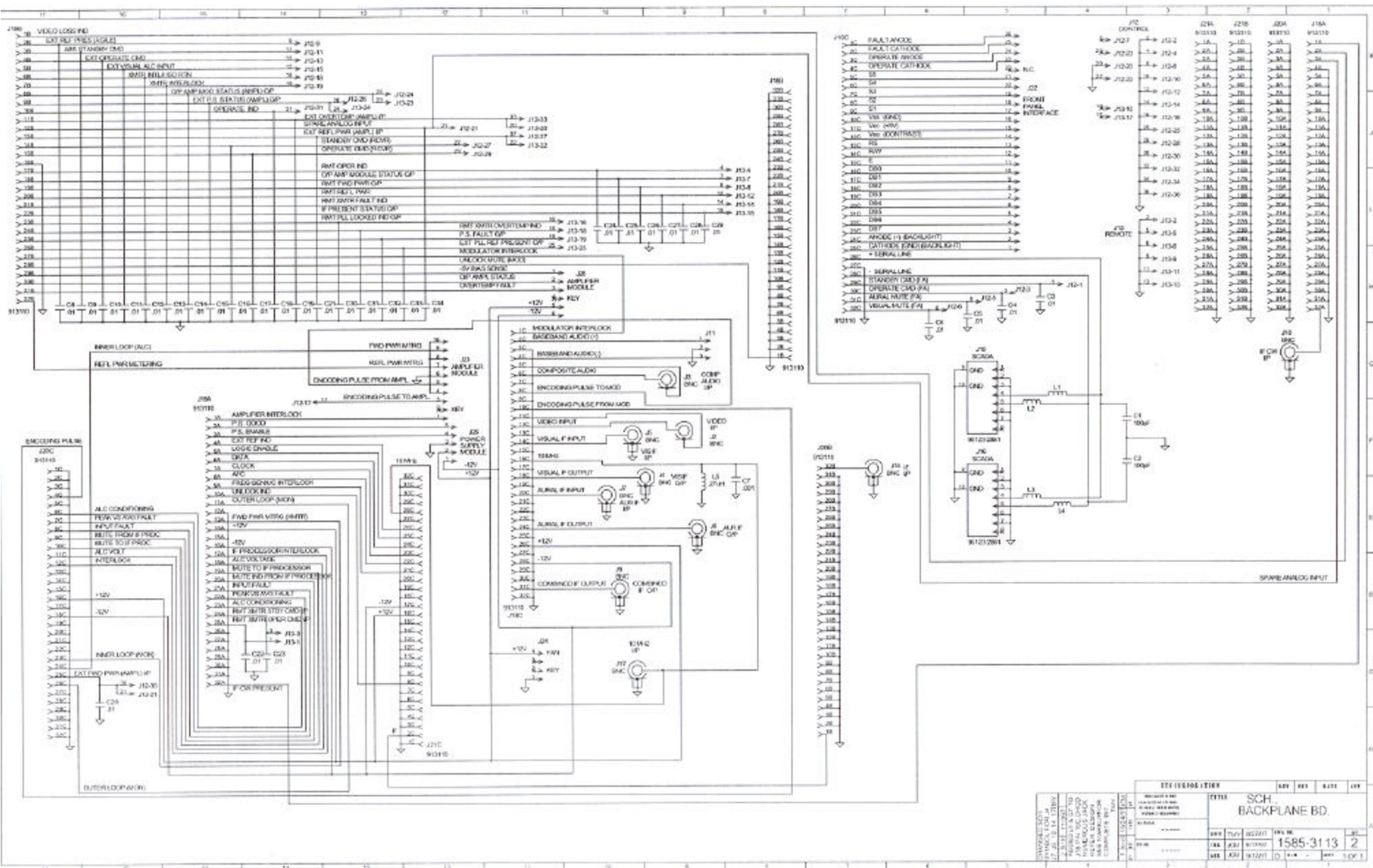
NOTE:

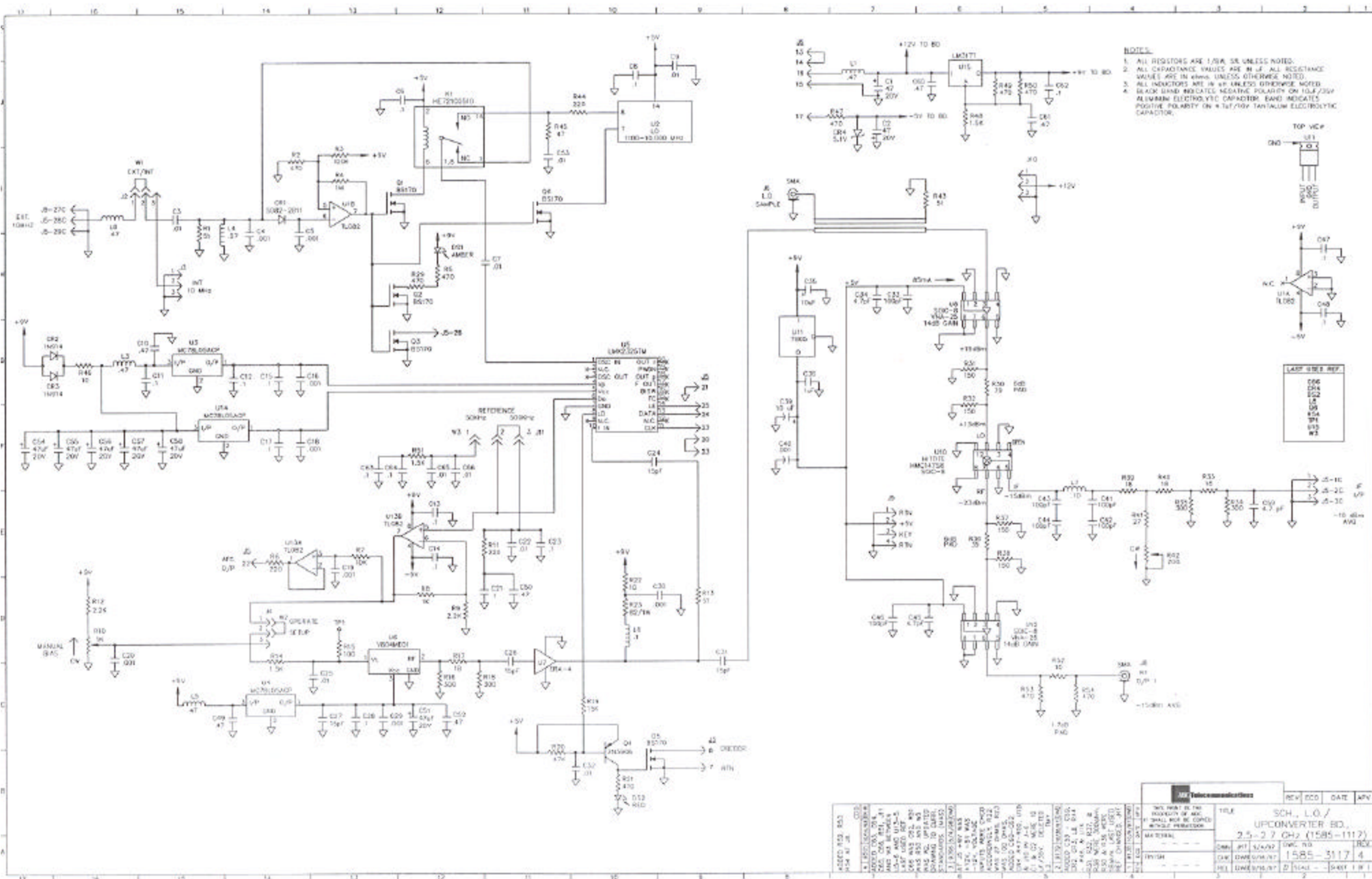
- 1) ALL RESISTORS ARE 1/8W UNLESS OTHERWISE NOTED.
- 2) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.
- 3) ALL INDUCTORS ARE IN uH UNLESS OTHERWISE NOTED.

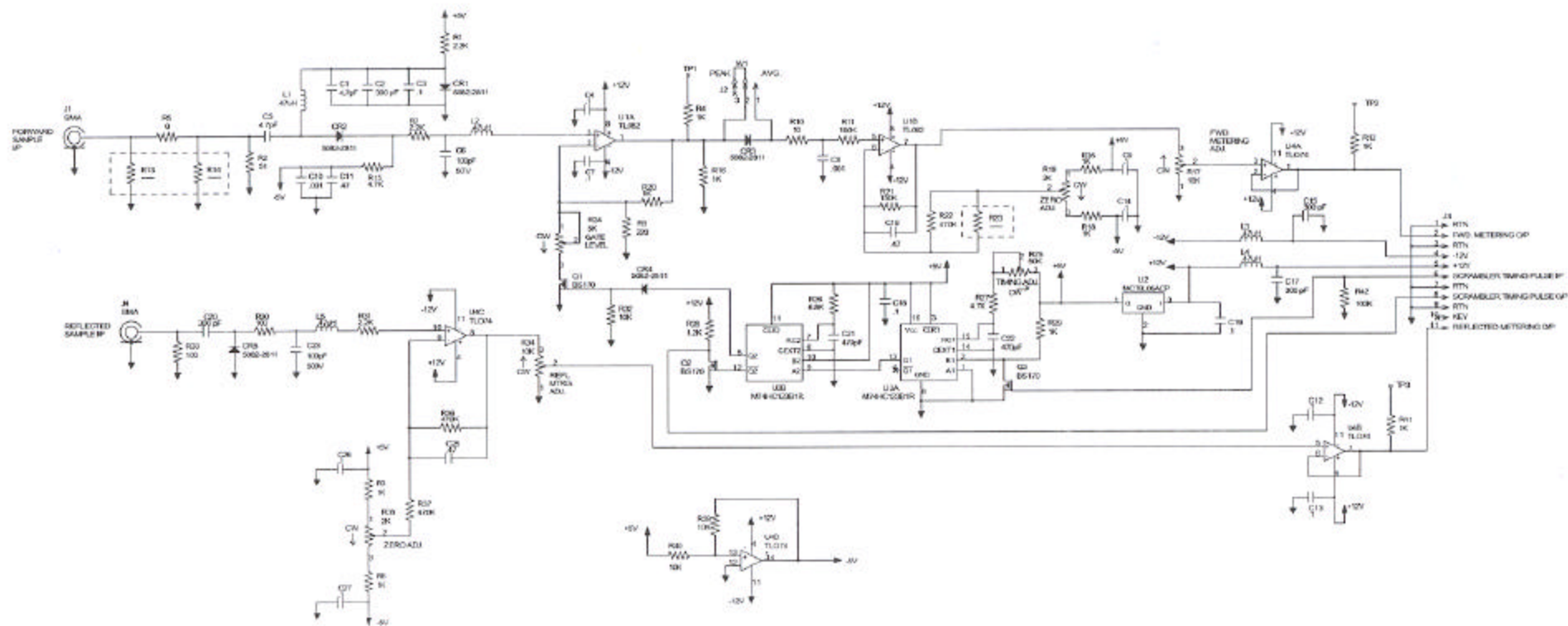
R2 WAS 18 OHMS. R1 & R3
WAS 300 OHMS. (RFB)

AUC Telecommunications

REV	ECO	DATE	APV	1	9526	10/13/98	BKW
REV	ECO	DATE	APV	1	9526	10/13/98	BKW
THIS PRINT IS THE PROPERTY OF AUC. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
MATERIAL				SCHEMATIC, SINGLE STAGE AMPLIFIER (1585-1101)			
FINISH				DWG. NO. 1585-3101			
REL				SCALE 1=1 SHEET 10F1			





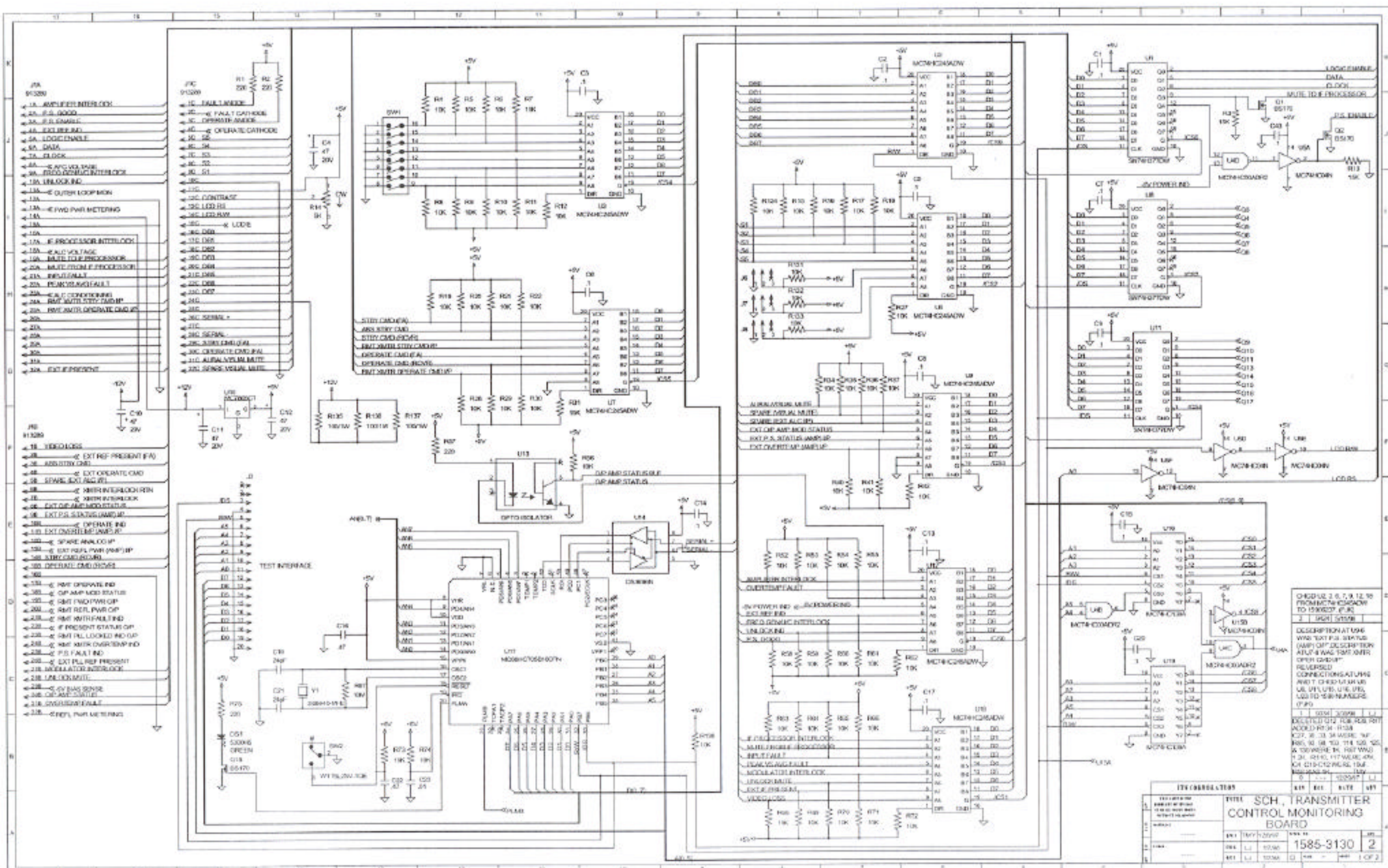


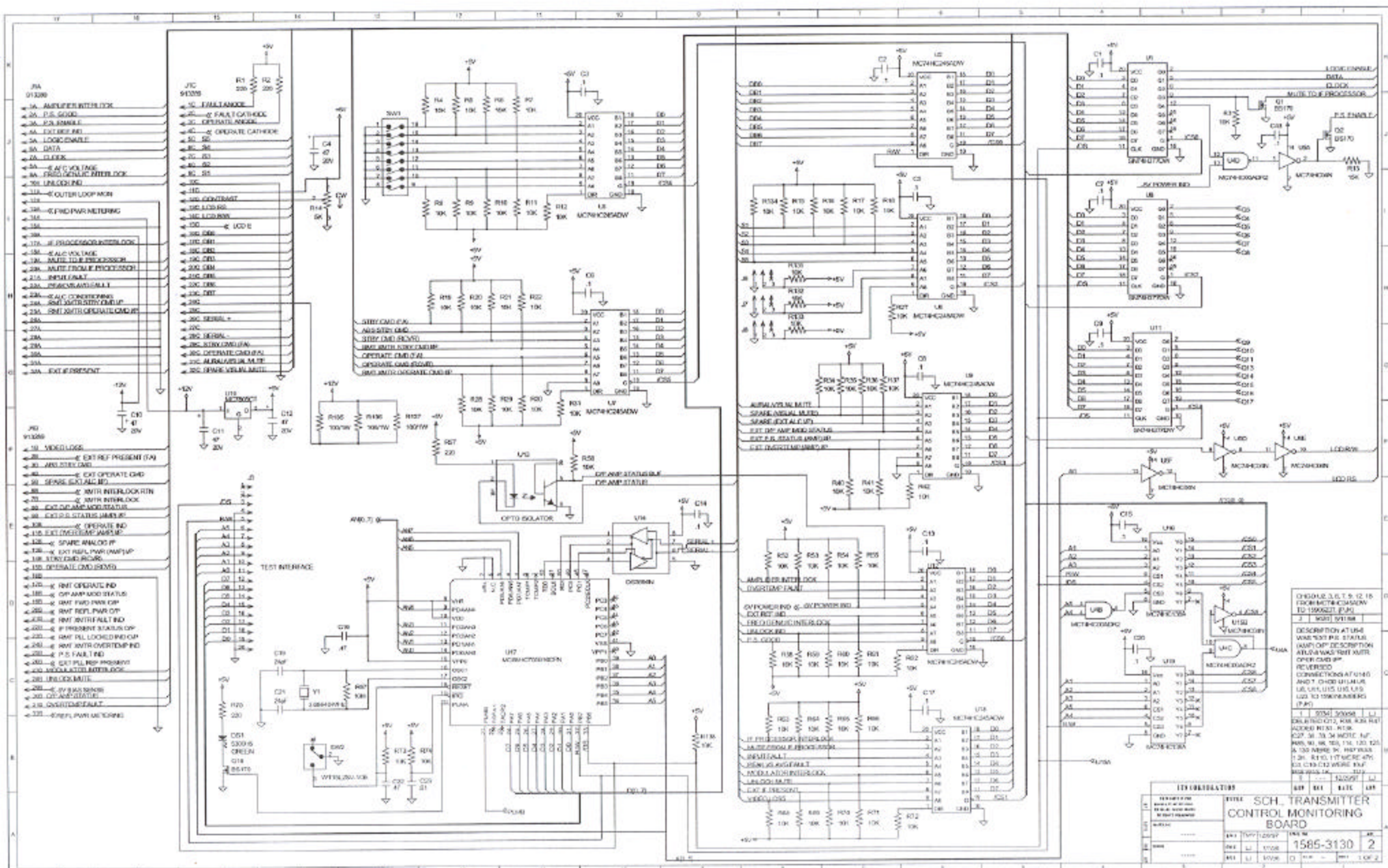
NOTES:

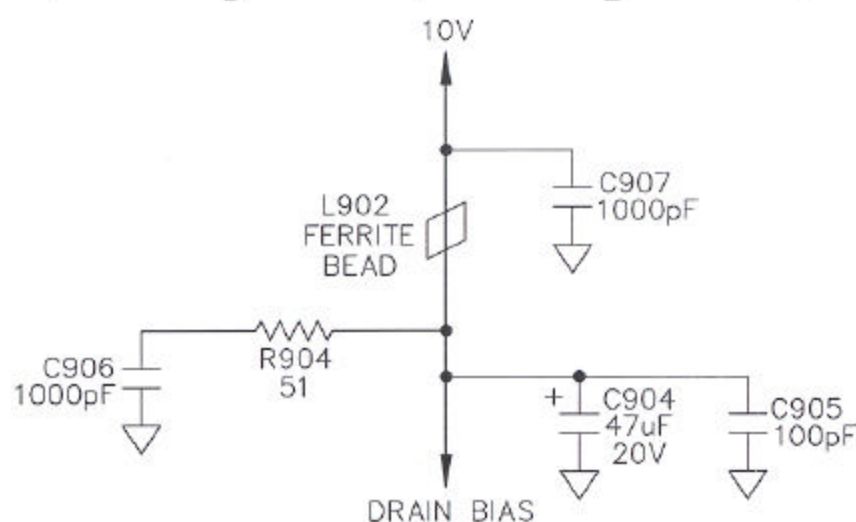
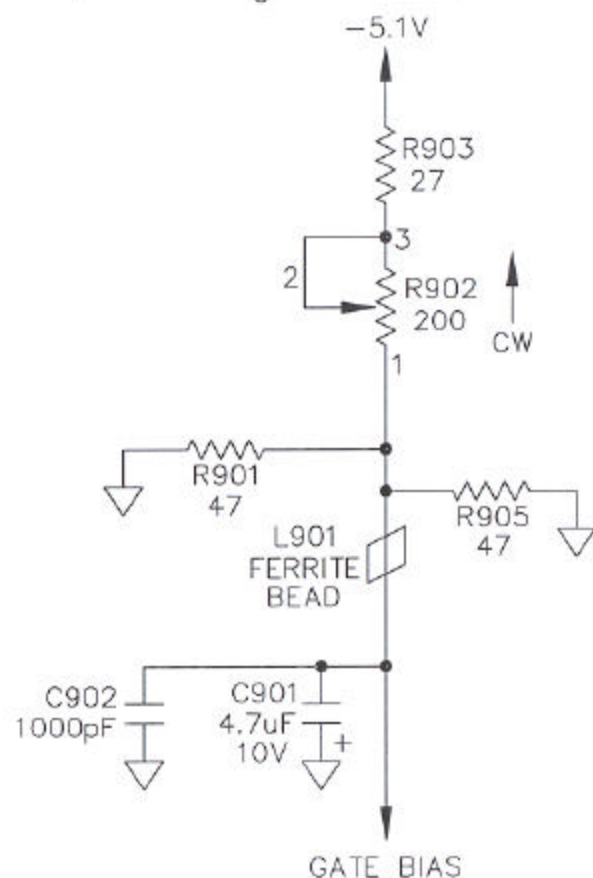
- 1) ALL RESISTORS ARE 1% UNLESS OTHERWISE NOTED.
- 2) ALL CAPACITORS ARE 5% UNLESS OTHERWISE NOTED.
- 3) ALL INDUCTORS ARE 1% UNLESS OTHERWISE NOTED.

NOTE: R10, R11 AND R12 ARE NOT USED ON THIS SCHEMATIC.

ABC Telecommunications		REV	ECO	DATE	APV
TITLE		SCH. DUAL			
POWER DETECTOR BD		(1585-1125)			
REVISIONS		DATE	BY	REV	BY
1. 1585-1125		11/10/85	W/10/85	1	W/10/85
2. 1585-1125		11/10/85	W/10/85	2	W/10/85
3. 1585-1125		11/10/85	W/10/85	3	W/10/85
4. 1585-1125		11/10/85	W/10/85	4	W/10/85
5. 1585-1125		11/10/85	W/10/85	5	W/10/85
6. 1585-1125		11/10/85	W/10/85	6	W/10/85
7. 1585-1125		11/10/85	W/10/85	7	W/10/85
8. 1585-1125		11/10/85	W/10/85	8	W/10/85
9. 1585-1125		11/10/85	W/10/85	9	W/10/85
10. 1585-1125		11/10/85	W/10/85	10	W/10/85
11. 1585-1125		11/10/85	W/10/85	11	W/10/85
12. 1585-1125		11/10/85	W/10/85	12	W/10/85
13. 1585-1125		11/10/85	W/10/85	13	W/10/85
14. 1585-1125		11/10/85	W/10/85	14	W/10/85
15. 1585-1125		11/10/85	W/10/85	15	W/10/85
16. 1585-1125		11/10/85	W/10/85	16	W/10/85
17. 1585-1125		11/10/85	W/10/85	17	W/10/85
18. 1585-1125		11/10/85	W/10/85	18	W/10/85
19. 1585-1125		11/10/85	W/10/85	19	W/10/85
20. 1585-1125		11/10/85	W/10/85	20	W/10/85
21. 1585-1125		11/10/85	W/10/85	21	W/10/85
22. 1585-1125		11/10/85	W/10/85	22	W/10/85
23. 1585-1125		11/10/85	W/10/85	23	W/10/85
24. 1585-1125		11/10/85	W/10/85	24	W/10/85
25. 1585-1125		11/10/85	W/10/85	25	W/10/85
26. 1585-1125		11/10/85	W/10/85	26	W/10/85
27. 1585-1125		11/10/85	W/10/85	27	W/10/85
28. 1585-1125		11/10/85	W/10/85	28	W/10/85
29. 1585-1125		11/10/85	W/10/85	29	W/10/85
30. 1585-1125		11/10/85	W/10/85	30	W/10/85
31. 1585-1125		11/10/85	W/10/85	31	W/10/85
32. 1585-1125		11/10/85	W/10/85	32	W/10/85
33. 1585-1125		11/10/85	W/10/85	33	W/10/85
34. 1585-1125		11/10/85	W/10/85	34	W/10/85
35. 1585-1125		11/10/85	W/10/85	35	W/10/85
36. 1585-1125		11/10/85	W/10/85	36	W/10/85
37. 1585-1125		11/10/85	W/10/85	37	W/10/85
38. 1585-1125		11/10/85	W/10/85	38	W/10/85
39. 1585-1125		11/10/85	W/10/85	39	W/10/85
40. 1585-1125		11/10/85	W/10/85	40	W/10/85
41. 1585-1125		11/10/85	W/10/85	41	W/10/85
42. 1585-1125		11/10/85	W/10/85	42	W/10/85
43. 1585-1125		11/10/85	W/10/85	43	W/10/85
44. 1585-1125		11/10/85	W/10/85	44	W/10/85
45. 1585-1125		11/10/85	W/10/85	45	W/10/85
46. 1585-1125		11/10/85	W/10/85	46	W/10/85
47. 1585-1125		11/10/85	W/10/85	47	W/10/85
48. 1585-1125		11/10/85	W/10/85	48	W/10/85
49. 1585-1125		11/10/85	W/10/85	49	W/10/85
50. 1585-1125		11/10/85	W/10/85	50	W/10/85
51. 1585-1125		11/10/85	W/10/85	51	W/10/85
52. 1585-1125		11/10/85	W/10/85	52	W/10/85
53. 1585-1125		11/10/85	W/10/85	53	W/10/85
54. 1585-1125		11/10/85	W/10/85	54	W/10/85
55. 1585-1125		11/10/85	W/10/85	55	W/10/85
56. 1585-1125		11/10/85	W/10/85	56	W/10/85
57. 1585-1125		11/10/85	W/10/85	57	W/10/85
58. 1585-1125		11/10/85	W/10/85	58	W/10/85
59. 1585-1125		11/10/85	W/10/85	59	W/10/85
60. 1585-1125		11/10/85	W/10/85	60	W/10/85
61. 1585-1125		11/10/85	W/10/85	61	W/10/85
62. 1585-1125		11/10/85	W/10/85	62	W/10/85
63. 1585-1125		11/10/85	W/10/85	63	W/10/85
64. 1585-1125		11/10/85	W/10/85	64	W/10/85
65. 1585-1125		11/10/85	W/10/85	65	W/10/85
66. 1585-1125		11/10/85	W/10/85	66	W/10/85
67. 1585-1125		11/10/85	W/10/85	67	W/10/85
68. 1585-1125		11/10/85	W/10/85	68	W/10/85
69. 1585-1125		11/10/85	W/10/85	69	W/10/85
70. 1585-1125		11/10/85	W/10/85	70	W/10/85
71. 1585-1125		11/10/85	W/10/85	71	W/10/85
72. 1585-1125		11/10/85	W/10/85	72	W/10/85
73. 1585-1125		11/10/85	W/10/85	73	W/10/85
74. 1585-1125		11/10/85	W/10/85	74	W/10/85
75. 1585-1125		11/10/85	W/10/85	75	W/10/85
76. 1585-1125		11/10/85	W/10/85	76	W/10/85
77. 1585-1125		11/10/85	W/10/85	77	W/10/85
78. 1585-1125		11/10/85	W/10/85	78	W/10/85
79. 1585-1125		11/10/85	W/10/85	79	W/10/85
80. 1585-1125		11/10/85	W/10/85	80	W/10/85
81. 1585-1125		11/10/85	W/10/85	81	W/10/85
82. 1585-1125		11/10/85	W/10/85	82	W/10/85
83. 1585-1125		11/10/85	W/10/85	83	W/10/85
84. 1585-1125		11/10/85	W/10/85	84	W/10/85
85. 1585-1125		11/10/85	W/10/85	85	W/10/85
86. 1585-1125		11/10/85	W/10/85	86	W/10/85
87. 1585-1125		11/10/85	W/10/85	87	W/10/85
88. 1585-1125		11/10/85	W/10/85	88	W/10/85
89. 1585-1125		11/10/85	W/10/85	89	W/10/85
90. 1585-1125		11/10/85	W/10/85	90	W/10/85
91. 1585-1125		11/10/85	W/10/85	91	W/10/85
92. 1585-1125		11/10/85	W/10/85	92	W/10/85
93. 1585-1125		11/10/85	W/10/85	93	W/10/85
94. 1585-1125		11/10/85	W/10/85	94	W/10/85
95. 1585-1125		11/10/85	W/10/85	95	W/10/85
96. 1585-1125		11/10/85	W/10/85	96	W/10/85
97. 1585-1125		11/10/85	W/10/85	97	W/10/85
98. 1585-1125		11/10/85	W/10/85	98	W/10/85
99. 1585-1125		11/10/85	W/10/85	99	W/10/85
100. 1585-1125		11/10/85	W/10/85	100	W/10/85



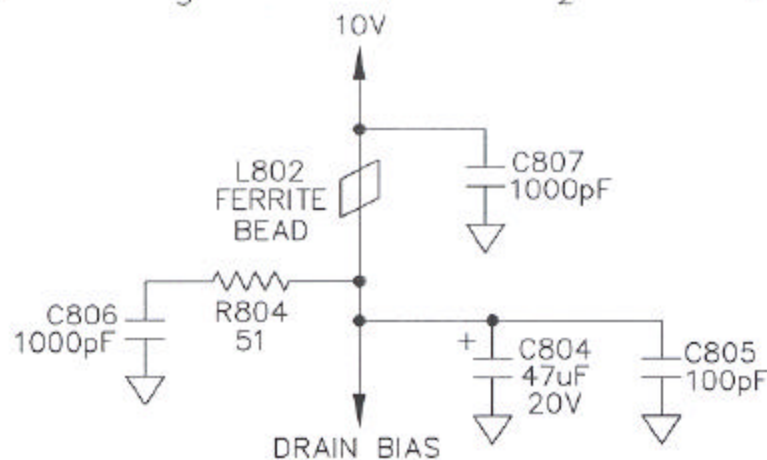
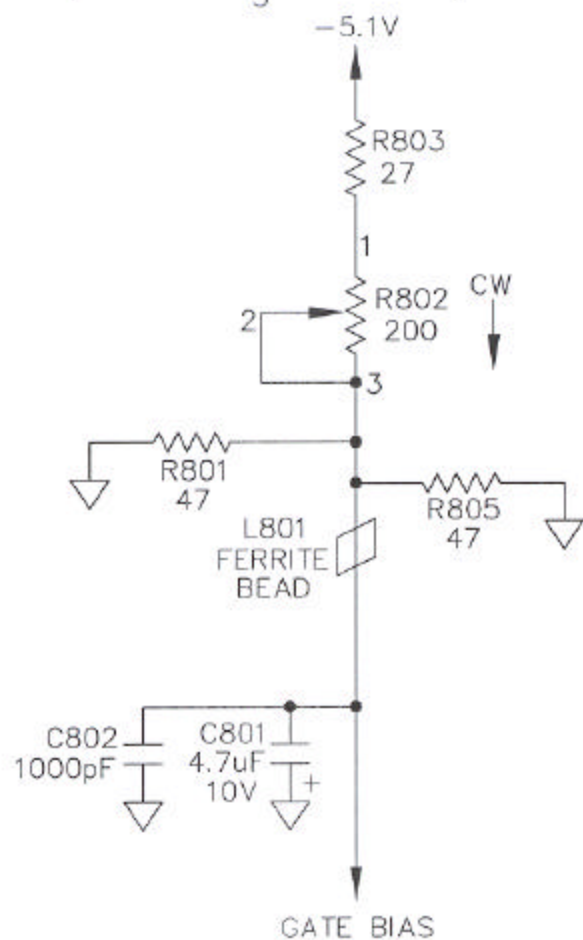




NOTES:

- 1) ALL RESISTORS ARE 1/8W, 5% & IN VALUES OF OHMS UNLESS OTHERWISE NOTED.
- 2) IF 200 OHM POTS ARE NOT AVAILABLE, 100 OHM POTS MAY BE USED. HOWEVER, RESISTOR VALUES MAY HAVE TO CHANGE (SEE NOTE 2).
- 3) TO ACCOUNT FOR VARIATIONS IN THE FLL300 & FLL200, R903 MAY BE RAISED TO INCREASE DRAIN CURRENT (TYP 150 OHM) OR LOWERED TO DECREASE DRAIN CURRENT (TYP 27 OHM).

ITS CORPORATION				REV	ECN	DATE	APV
REV	ECN	DATE	APV	TITLE SCH, AMP. DAUGHTER BOARD, RIGHT SIDE (1585-1147)			
				MATERIAL			
				FINISH			
DWN	JKF	10/1/97	DWG. NO.	REV			
CHK	DW	10/8/97	1585-3147	0			
REL	DW	10/8/97	A	SCALE---	SHEET 1 OF 1		



NOTES:

- 1) ALL RESISTORS ARE 1/8W, 5% & IN VALUES OF OHMS UNLESS OTHERWISE NOTED.
- 2) IF 200 OHM POTS ARE NOT AVAILABLE, 100 OHM POTS MAY BE USED. HOWEVER, RESISTOR VALUES MAY HAVE TO CHANGE (SEE NOTE 2).
- 3) TO ACCOUNT FOR VARIATIONS IN THE FLL300 & FLL200, R803 MAY BE RAISED TO INCREASE DRAIN CURRENT (TYP 150 OHM) OR LOWERED TO DECREASE DRAIN CURRENT (TYP 27 OHM).

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCH, AMP. DAUGHTER BOARD, LEFT SIDE (1585-1148)			
				DWG. NO. 1585-3148			
REV	ECN	DATE	APV	DWN	JKF	10/1/97	REV
				CHK	DW	10/8/97	0
				REL	DW	10/8/97	
SCALE---				SHEET 1 OF 1			