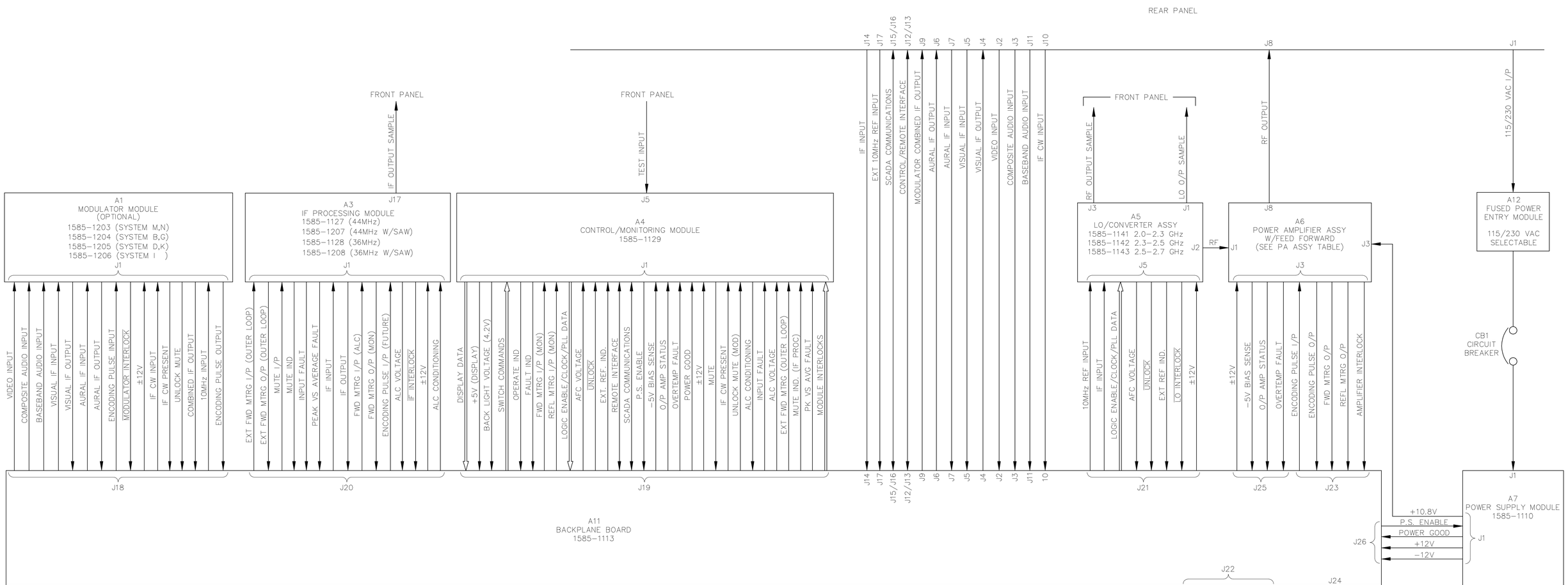

MODULE	SPECIFICATIONS
A1 MODULATOR	
A3 IF PROCESSING	IF INPUT: 36MHz, 44MHz, (6MHz BW) INPUT LEVEL: −12 TO −2 dBm PEP (LOW GAIN) −17 TO −7 dBm PEP (MED GAIN) −22 TO −12dBm PEP (HI GAIN) INPUT RETURN LOSS: > 15dB IF OUTPUT LEVEL: −15dBm TO −11dBm PEP (LOW GAIN) −10dBm TO −6dBm PEP (HI GAIN) IF SAMPLE LEVEL: −16dB (LOW GAIN) −21dB (HI GAIN) POWER REQUIREMENTS: +12V @ 800mA −12V @ 100mA
A4 CONTROL/ MONITORING	POWER REQUIREMENTS: +12V @ 250mA −12V @ 50mA
A5 LO/UPCONVERTER	IF INPUT: 32−40 MHz OR 41−47 MHz INPUT RETURN LOSS: 18dB MIN @ 32−47 MHz INPUT LEVEL: −8dBm +1/−5dB DIGITAL AVERAGE POWER CONVERSION GAIN: 0 ±1.5dB RF OUTPUT: 2.0−2.3 GHz OR 2.3−2.5 GHz OR 2.5−2.7 GHz 10MHz INPUT LEVEL: 0 TO +6dBm LO OUTPUT LEVEL: 0 TO +6dBm LO TUNING STEP SIZE: 500kHz POWER REQUIREMENTS: +12V @ 400mA (750mA W/OPT INTERNAL 10MHz) −12V @ 50mA
A6 POWER AMPLIFIER	RF INPUT/OUTPUT: 2.0−2.3 GHz OR 2.3−2.5 GHz OR 2.5−2.7 GHz INPUT LEVEL: −10dBm ±2dB DIGITAL AVERAGE POWER INPUT RETURN LOSS: −10dB OUTPUT LEVEL: +34dBm (2.5W), +37dBm (5W), +40dBm (10W), +42dBm (15W) POWER REQUIREMENTS: +12V @ 0.2A −12V @ 0.5A
A7 POWER SUPPLY	AC INPUT LEVEL: 100−240VAC @ 10A 50/60/400Hz DC OUTPUT LEVEL: +10.8V @ 31A +12V @ 10A −12V @ 4A

PA ASSEMBLY TABLE

PART NUMBER	FREQ. (GHz)	DIGITAL PWR (WATTS)	ANALOG PWR (WATTS)
1585−1150	2.00−2.05	5	15
1585−1151	2.05−2.10		
1585−1152	2.10−2.15		
1585−1153	2.15−2.20		
1585−1154	2.20−2.25		
1585−1155	2.25−2.30		
1585−1156	2.30−2.35		
1585−1157	2.35−2.40		
1585−1158	2.40−2.45		
1585−1159	2.45−2.50		
1585−1160	2.50−2.55		
1585−1161	2.55−2.60		
1585−1162	2.60−2.65		
1585−1163	2.65−2.70		
1585−1164	2.00−2.05	10	30
1585−1165	2.05−2.10		
1585−1166	2.10−2.15		
1585−1167	2.15−2.20		
1585−1168	2.20−2.25		
1585−1169	2.25−2.30		
1585−1170	2.30−2.35		
1585−1171	2.35−2.40		
1585−1172	2.40−2.45		
1585−1173	2.45−2.50		
1585−1174	2.50−2.55		
1585−1175	2.55−2.60		
1585−1176	2.60−2.65		
1585−1177	2.65−2.70		
1585−1178	2.00−2.05	15	50
1585−1179	2.05−2.10		
1585−1180	2.10−2.15		
1585−1181	2.15−2.20		
1585−1182	2.20−2.25		
1585−1183	2.25−2.30		
1585−1184	2.30−2.35		
1585−1185	2.35−2.40		
1585−1186	2.40−2.45		
1585−1187	2.45−2.50		
1585−1136	2.50−2.55		
1585−1188	2.55−2.60		
1585−1189	2.60−2.65		
1585−1190	2.65−2.70		

REV	ECN	DATE	APV
P4	---	11/6/97	
P3	---	9/11/97	
P2	---	8/4/97	
P1	---	7/21/97	

ITS CORPORATION

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MATERIAL: -----

FINISH: -----

TITLE: B/D, ITS-5700 SERIES TRANSMITTER

DWN	GK	7/8/97	DWG. NO. 1585-3000
CHK			REV P4
REL			D SCALE--- SHEET 1 OF 1