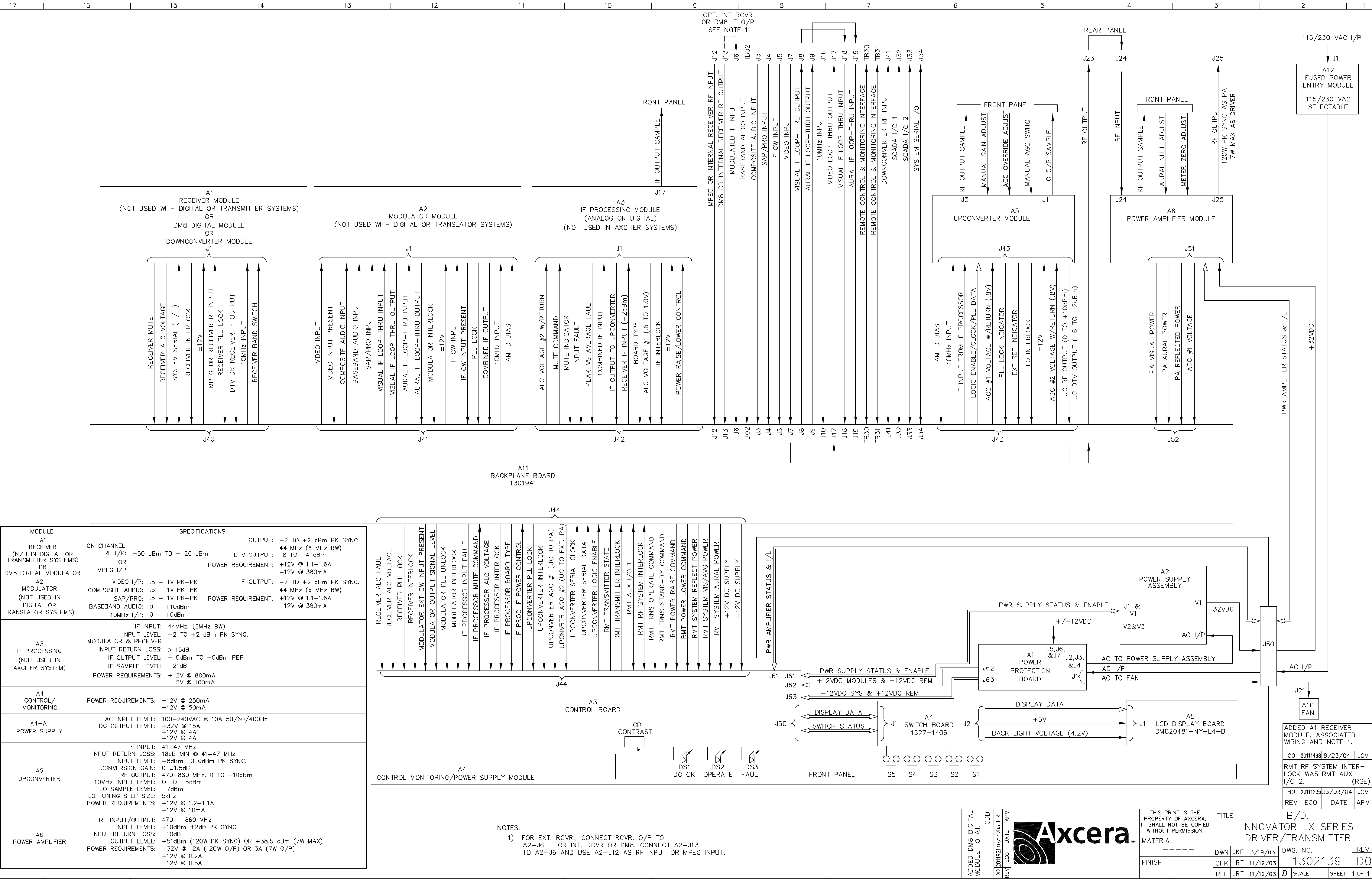




MODULE	SPECIFICATIONS
A1 RECEIVER (N/U IN DIGITAL OR TRANSMITTER SYSTEMS) OR DM8 DIGITAL MODULATOR	ON CHANNEL RF I/P: -50 dBm TO -20 dBm IF OUTPUT: -2 TO +2 dBm PK SYNC. 44 MHz (6 MHz BW) DTV OUTPUT: -8 TO -4 dBm POWER REQUIREMENT: +12V @ 1.1-1.6A -12V @ 360mA
A2 MODULATOR (NOT USED IN DIGITAL OR TRANSLATOR SYSTEMS)	VIDEO I/P: .5 - 1V PK-PK COMPOSITE AUDIO: .5 - 1V PK-PK SAP/PRO: .5 - 1V PK-PK BASEBAND AUDIO: 0 - +10dBm 10MHz I/P: 0 - +6dBm IF OUTPUT: -2 TO +2 dBm PK SYNC. 44 MHz (6 MHz BW) POWER REQUIREMENT: +12V @ 1.1-1.6A -12V @ 360mA
A3 IF PROCESSING (NOT USED IN AXCIER SYSTEM)	IF INPUT: 44MHz, (6MHz BW) INPUT LEVEL: -2 TO +2 dBm PK SYNC. MODULATOR & RECEIVER INPUT RETURN LOSS: > 15dB IF OUTPUT LEVEL: -10dBm TO -0dBm PEP IF SAMPLE LEVEL: -21dB POWER REQUIREMENTS: +12V @ 800mA -12V @ 100mA
A4 CONTROL/ MONITORING	POWER REQUIREMENTS: +12V @ 250mA -12V @ 50mA
A4-A1 POWER SUPPLY	AC INPUT LEVEL: 100-240VAC @ 10A 50/60/400Hz DC OUTPUT LEVEL: +32V @ 15A +12V @ 4A -12V @ 4A
A5 UPCONVERTER	IF INPUT: 41-47 MHz INPUT RETURN LOSS: 18dB MIN @ 41-47 MHz INPUT LEVEL: -8dBm TO 0dBm PK SYNC. CONVERSION GAIN: 0 ±1.5dB RF OUTPUT: 470-860 MHz, 0 TO +10dBm 10MHz INPUT LEVEL: 0 TO +6dBm LO SAMPLE LEVEL: -7dBm LO TUNING STEP SIZE: 5kHz POWER REQUIREMENTS: +12V @ 1.2-1.1A -12V @ 10mA
A6 POWER AMPLIFIER	RF INPUT/OUTPUT: 470 - 860 MHz INPUT LEVEL: +10dBm ±2dB PK SYNC. INPUT RETURN LOSS: -10dB OUTPUT LEVEL: +51dBm (120W PK SYNC) OR +38.5 dBm (7W MAX) POWER REQUIREMENTS: +32V @ 12A (120W O/P) OR 3A (7W O/P) +12V @ 0.2A -12V @ 0.5A

NOTES:
1) FOR EXT. RCVR, CONNECT RCVR. O/P TO A2-J6. FOR INT. RCVR OR DM8, CONNECT A2-J13 TO A2-J6 AND USE A2-J12 AS RF INPUT OR MPEG INPUT.

ADD'D DM8 DIGITAL MODULE TO A1:
COD
DO 201912/10/14/05 LRT
REV ECO DATE APV

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MATERIAL
FINISH

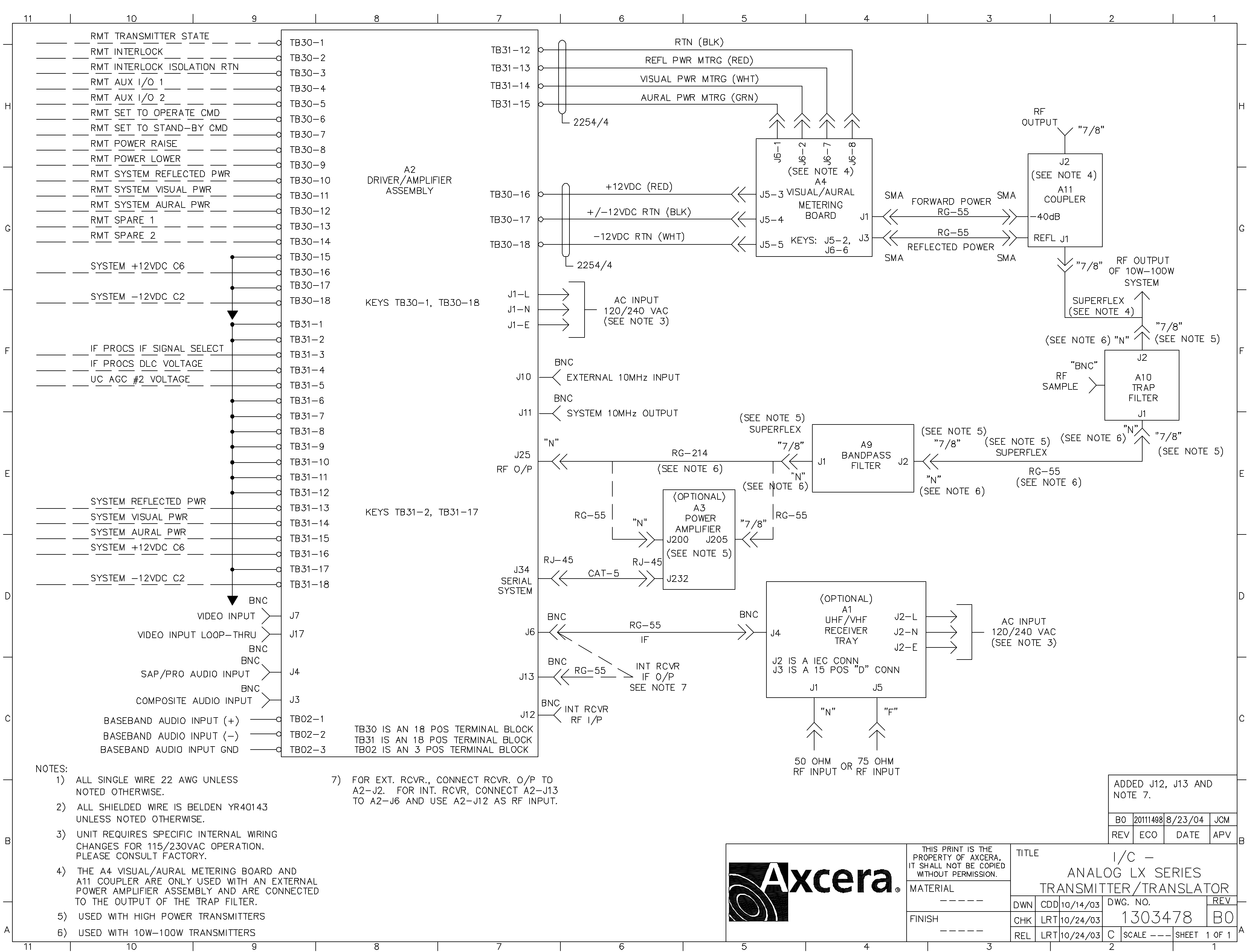
TITLE
B/D, INNOVATOR LX SERIES DRIVER/TRANSMITTER

DWN JKF 3/19/03
CHK LRT 11/19/03
REL LRT 11/19/03

DWG. NO.
1302139
SCALE----

REV
D0
SHEET 1 OF 1

CO	20111498	8/23/04	JCM
BO	20111235	03/03/04	JCM
REV	ECO	DATE	APV



NOTES:

- 1) ALL SINGLE WIRE 22 AWG UNLESS NOTED OTHERWISE.

2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.

3) UNIT REQUIRES SPECIFIC INTERNAL WIRING CHANGES FOR 115/230VAC OPERATION. PLEASE CONSULT FACTORY.

4) THE A4 VISUAL/AURAL METERING BOARD AND A11 COUPLER ARE ONLY USED WITH AN EXTERNAL POWER AMPLIFIER ASSEMBLY AND ARE CONNECTED TO THE OUTPUT OF THE TRAP FILTER.

5) USED WITH HIGH POWER TRANSMITTERS

6) USED WITH 10W-100W TRANSMITTERS
- 7) FOR EXT. RCVR., CONNECT RCVR. O/P TO A2-J2. FOR INT. RCVR, CONNECT A2-J13 TO A2-J6 AND USE A2-J12 AS RF INPUT.

ADDED J12, J13 AND
NOTE 7.

B0	20111498	8/23/04	JCM
REV	ECO	DATE	APV



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MATERIAL		DWN		CDD		DWG. NO.	
FINISH		CHK		LRT		1303478	
		REL		LRT		C	
				SCALE		SHEET 1 OF 1	