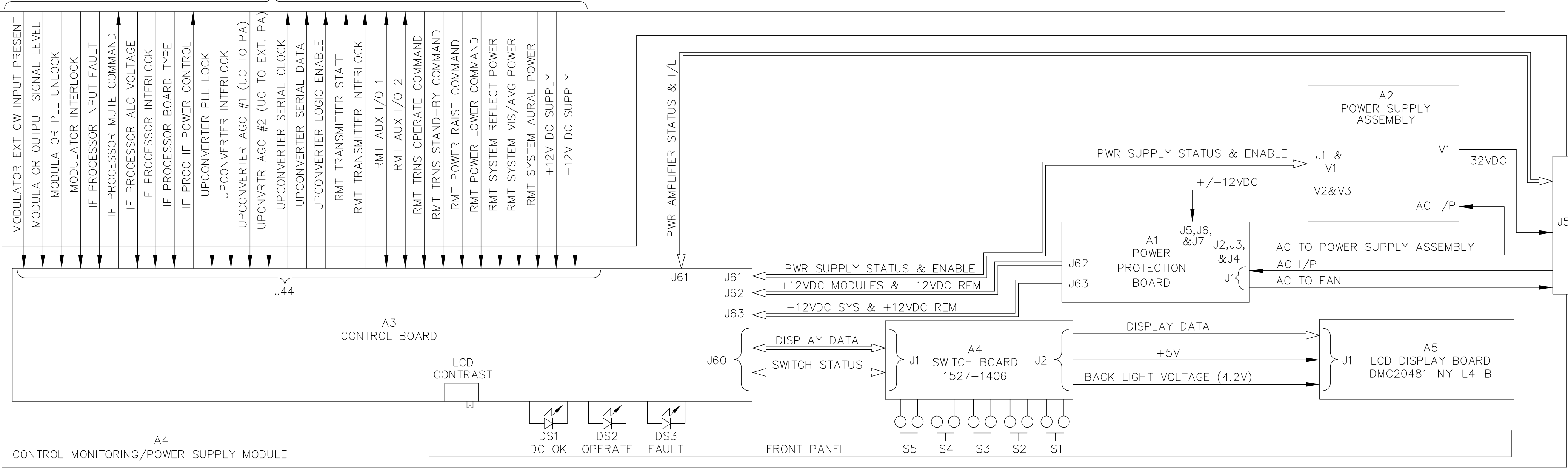


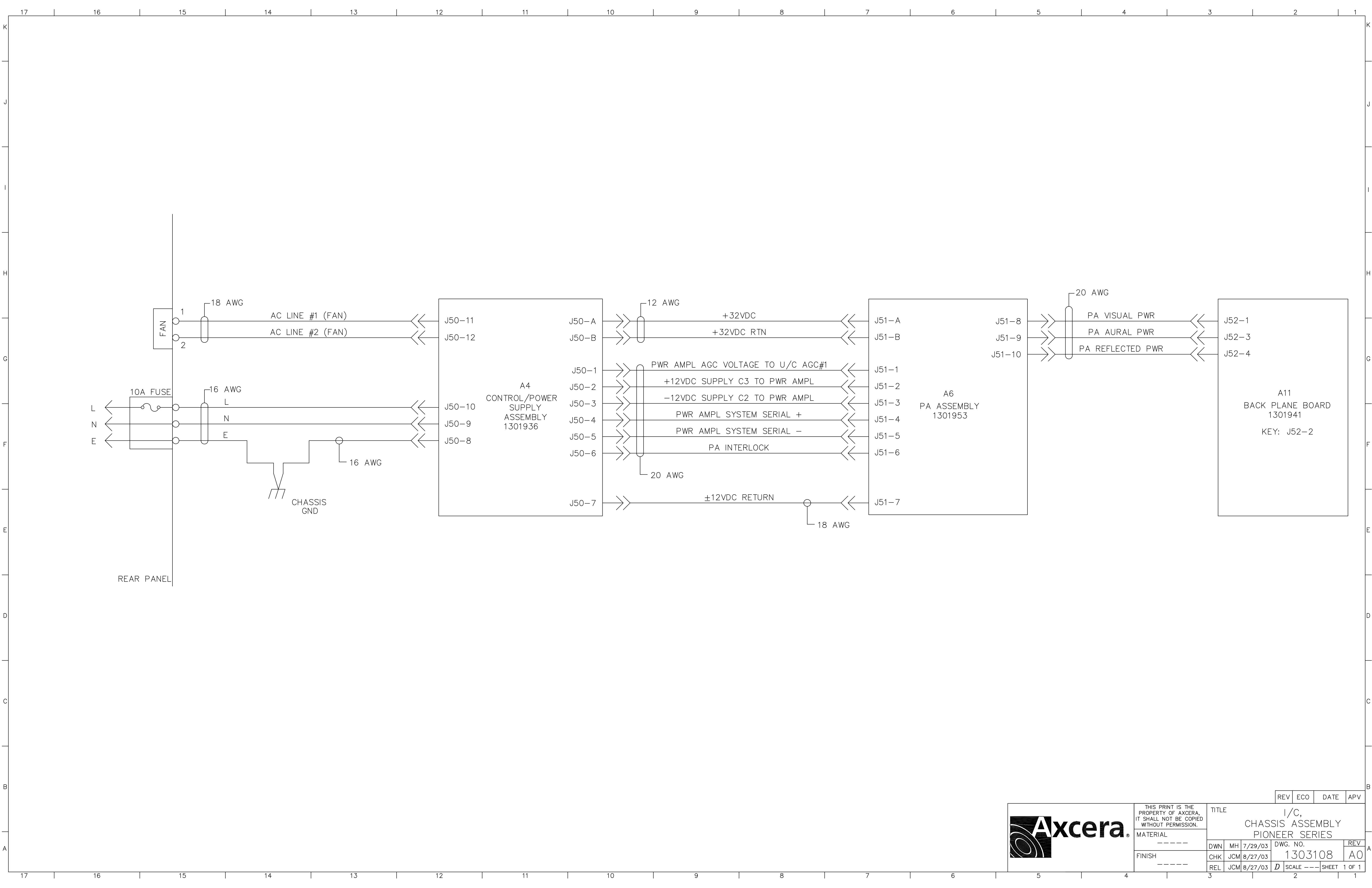
| MODULE                                              | SPECIFICATIONS                                                                                                                                                                                                                                                                                                  |                                                                                                          |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| A1<br>SPARE                                         |                                                                                                                                                                                                                                                                                                                 |                                                                                                          |
| A2<br>MODULATOR<br>(NOT USED IN<br>DIGITAL SYSTEMS) | VIDEO I/P: .5 – 1V PK-PK<br>COMPOSITE AUDIO: .5 – 1V PK-PK<br>SAP/PRO: .5 – 1V PK-PK<br>BASEBAND AUDIO: 0 – +10dBm<br>10MHz I/P: 0 – +6dBm                                                                                                                                                                      | IF OUTPUT: –2 TO +2 dBm PK SYNC.<br>44 MHz (6 MHz BW)<br>POWER REQUIREMENT: +12V @ 800mA<br>–12V @ 100mA |
| A3<br>IF PROCESSING                                 | IF INPUT: 44MHz, (6MHz BW)<br>INPUT LEVEL: –2 TO +2 dBm PK SYNC.<br>MODULATOR & RECEIVER<br>INPUT RETURN LOSS: > 15dB<br>IF OUTPUT LEVEL: –10dBm TO –0dBm PEP<br>IF SAMPLE LEVEL: –21dB (HI GAIN)<br>POWER REQUIREMENTS: +12V @ 800mA<br>–12V @ 100mA                                                           |                                                                                                          |
| A4<br>CONTROL/<br>MONITORING                        | POWER REQUIREMENTS: +12V @ 250mA<br>–12V @ 50mA                                                                                                                                                                                                                                                                 |                                                                                                          |
| A4–A1<br>POWER SUPPLY                               | AC INPUT LEVEL: 100–240VAC @ 10A 50/60/400Hz<br>DC OUTPUT LEVEL: +32V @ 15A<br>+12V @ 4A<br>–12V @ 4A                                                                                                                                                                                                           |                                                                                                          |
| A5<br>LO/UPCONVERTER                                | IF INPUT: 41–47 MHz<br>INPUT RETURN LOSS: 18dB MIN @ 41–47 MHz<br>INPUT LEVEL: –8dBm – 0dBm PK SYNC.<br>CONVERSION GAIN: 0 ±1.5dB<br>RF OUTPUT: 470 – 860 MHz<br>10MHz INPUT LEVEL: 0 TO +6dBm<br>LO OUTPUT LEVEL: 0 TO +6dBm<br>LO TUNING STEP SIZE: 500kHz<br>POWER REQUIREMENTS: +12V @ 400mA<br>–12V @ 50mA |                                                                                                          |
| A6<br>POWER AMPLIFIER                               | RF INPUT/OUTPUT: 470 – 860 MHz<br>INPUT LEVEL: +10dBm ±2dB PK SYNC.<br>INPUT RETURN LOSS: –10dB<br>OUTPUT LEVEL: +51dBm (120W PK SYNC), +32V @ 15A<br>POWER REQUIREMENTS: +12V @ 0.2A<br>–12V @ 0.5A                                                                                                            |                                                                                                          |



PRELIMINARY



|                                                                                  |       |       |     |                                 |                        |
|----------------------------------------------------------------------------------|-------|-------|-----|---------------------------------|------------------------|
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| MATERIAL                                                                         | ----- | DWN   | JKF | 3/19/03                         | DWG. NO. 1302139       |
| FINISH                                                                           | ----- | CHK   |     |                                 | REV 50                 |
|                                                                                  |       | REL   |     |                                 | SCALE:--- SHEET 1 OF 1 |



|                                                                                  |  |  |  |                                                     |     |         |                        |
|----------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------|-----|---------|------------------------|
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| MATERIAL<br>-----                                                                |  |  |  | DWN                                                 | MH  | 7/29/03 | DWG. NO.               |
| FINISH<br>-----                                                                  |  |  |  | CHK                                                 | JCM | 8/27/03 | 1303108                |
|                                                                                  |  |  |  | REL                                                 | JCM | 8/27/03 | SCALE --- SHEET 1 OF 1 |

|     |     |      |     |
|-----|-----|------|-----|
| REV | ECO | DATE | APV |
|-----|-----|------|-----|

