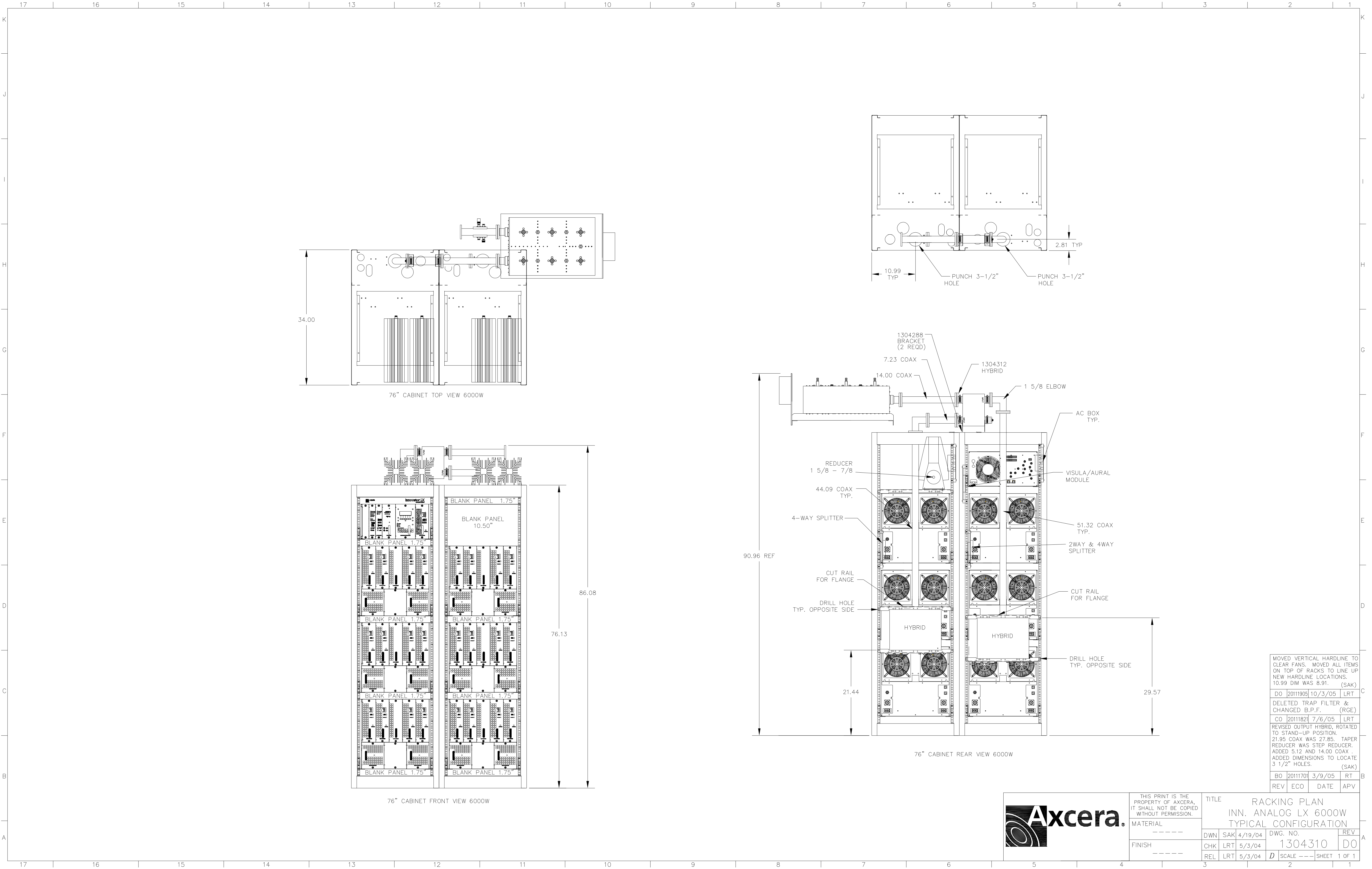




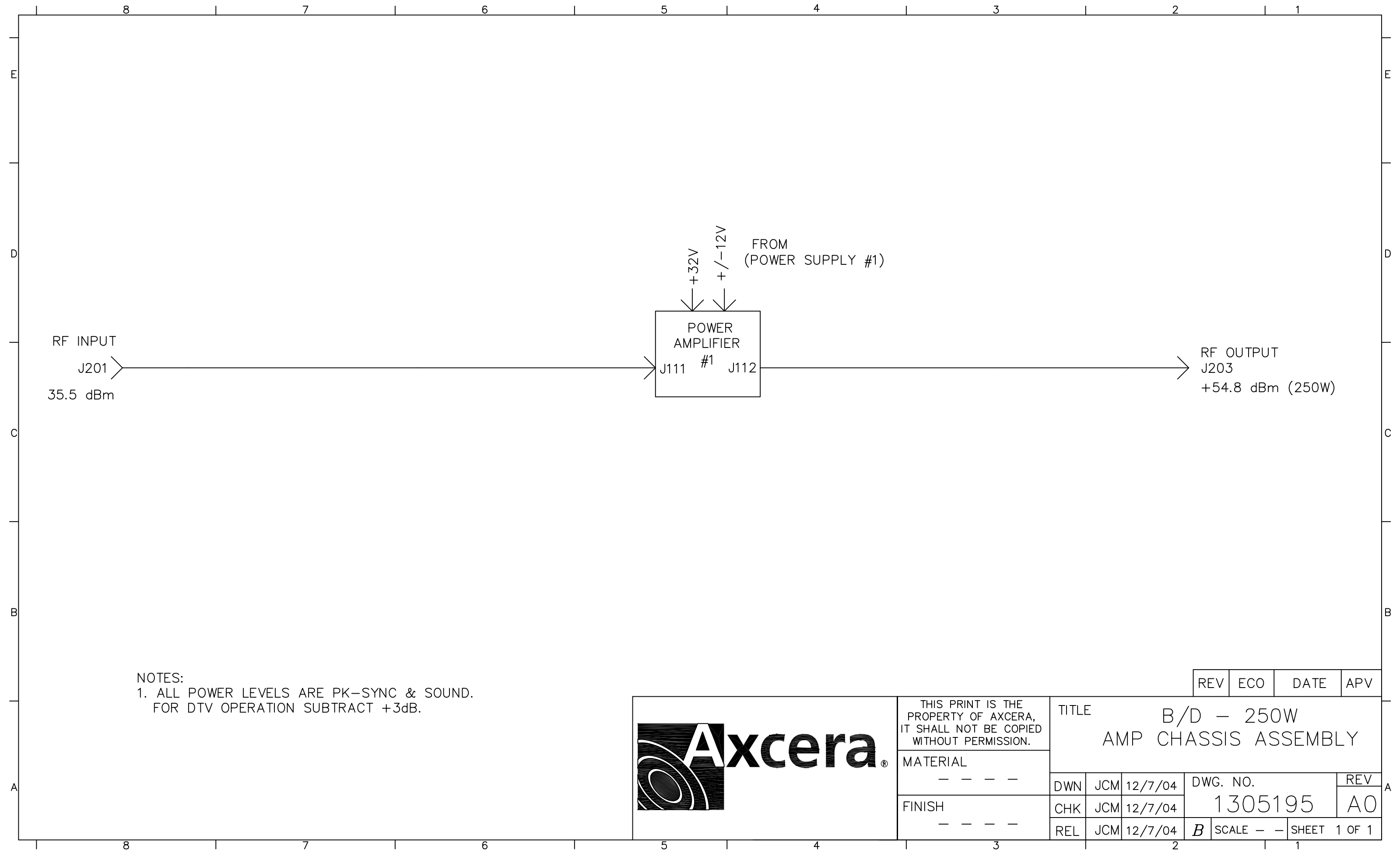
MOVED VERTICAL HARDLINE TO CLEAR FANS. MOVED ALL ITEMS ON TOP OF RACKS TO LINE UP NEW HARDLINE LOCATIONS. 10.99 DIM WAS 8.91. (SAK)			
DO	[20111905]	10/3/05	LRT
DELETED TRAP FILTER & CHANGED B.P.F. (RGE)			
CO	[2011182]	7/6/05	LRT
REVISED OUTPUT HYBRID, ROTATED TO STAND-UP POSITION. 21.95 COAX WAS 27.85. TAPER REDUCER WAS STEP REDUCER. ADDED 5.12 AND 14.00 COAX. ADDED DIMENSIONS TO LOCATE 3 1/2" HOLES. (SAK)			
BO	[2011170]	3/9/05	RT
REV	ECO	DATE	APV

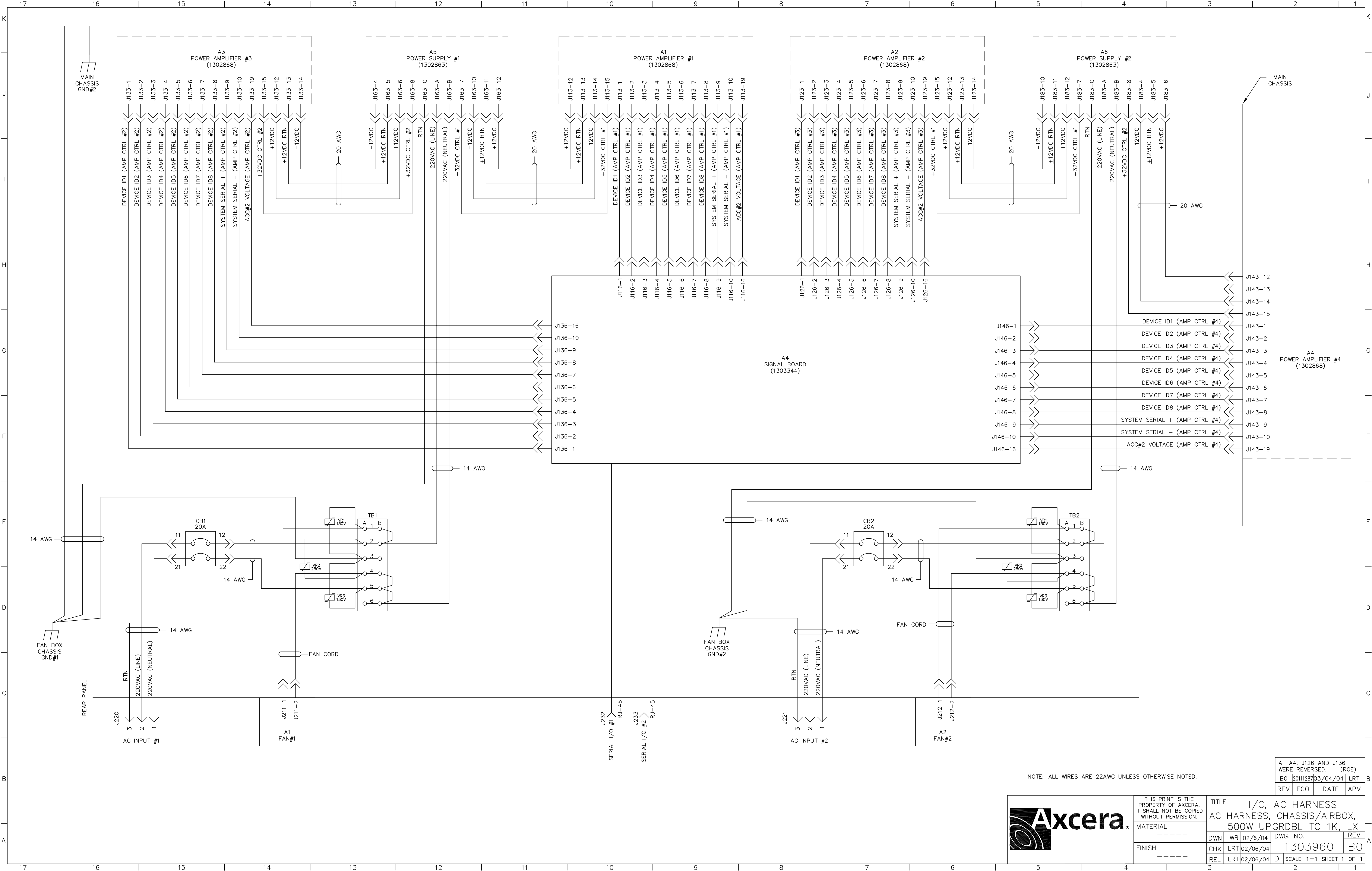


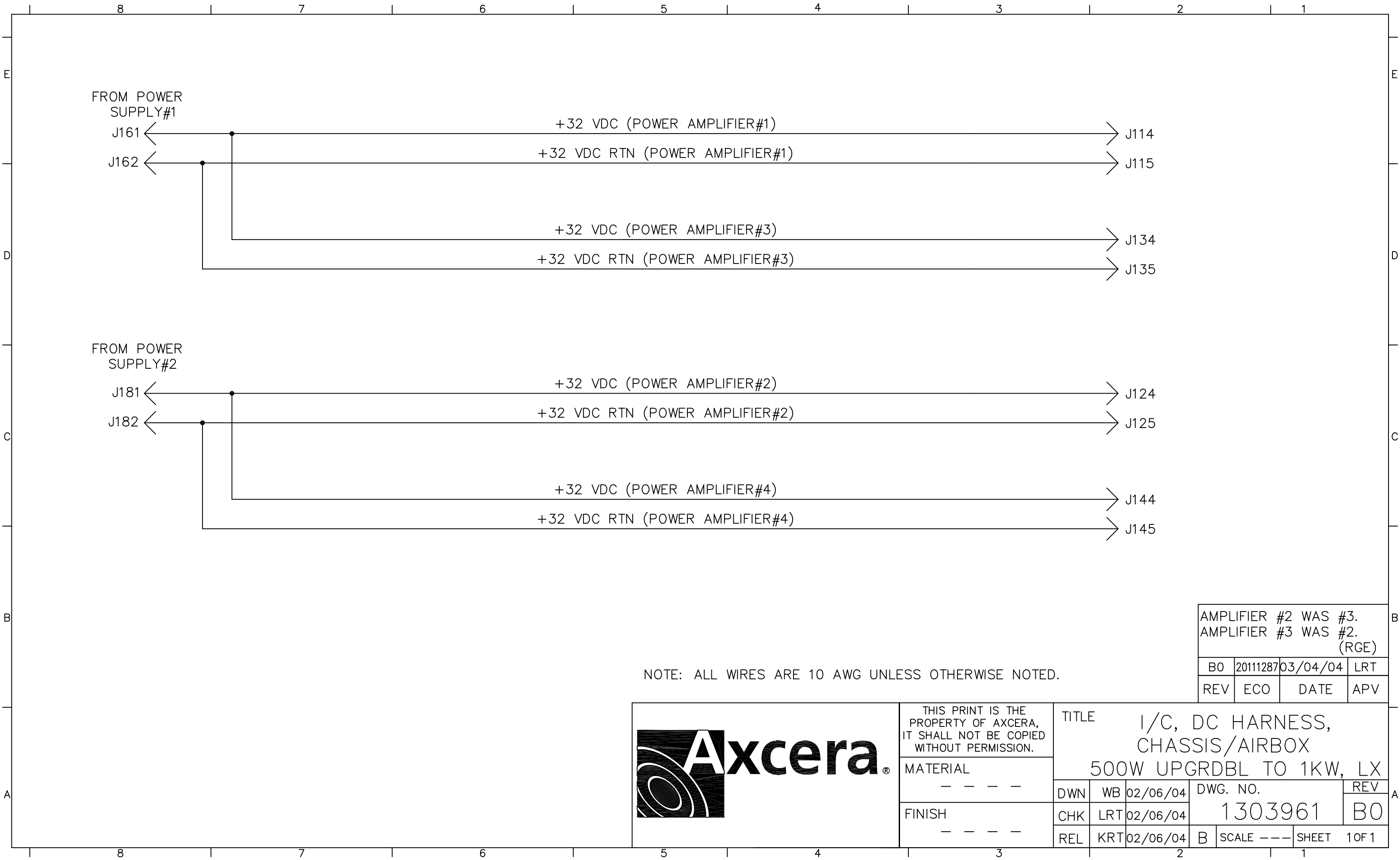
THIS PRINT IS THE PROPERTY OF AXCERA. IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE							
		RACKING PLAN INN. ANALOG LX 6000W TYPICAL CONFIGURATION							
MATERIAL									

FINISH									

		DWN	SAK	4/19/04	DWG. NO.			REV	
		CHK	LRT	5/3/04	1304310			DO	
		REL	LRT	5/3/04	D	SCALE ---	SHEET 1 OF 1		



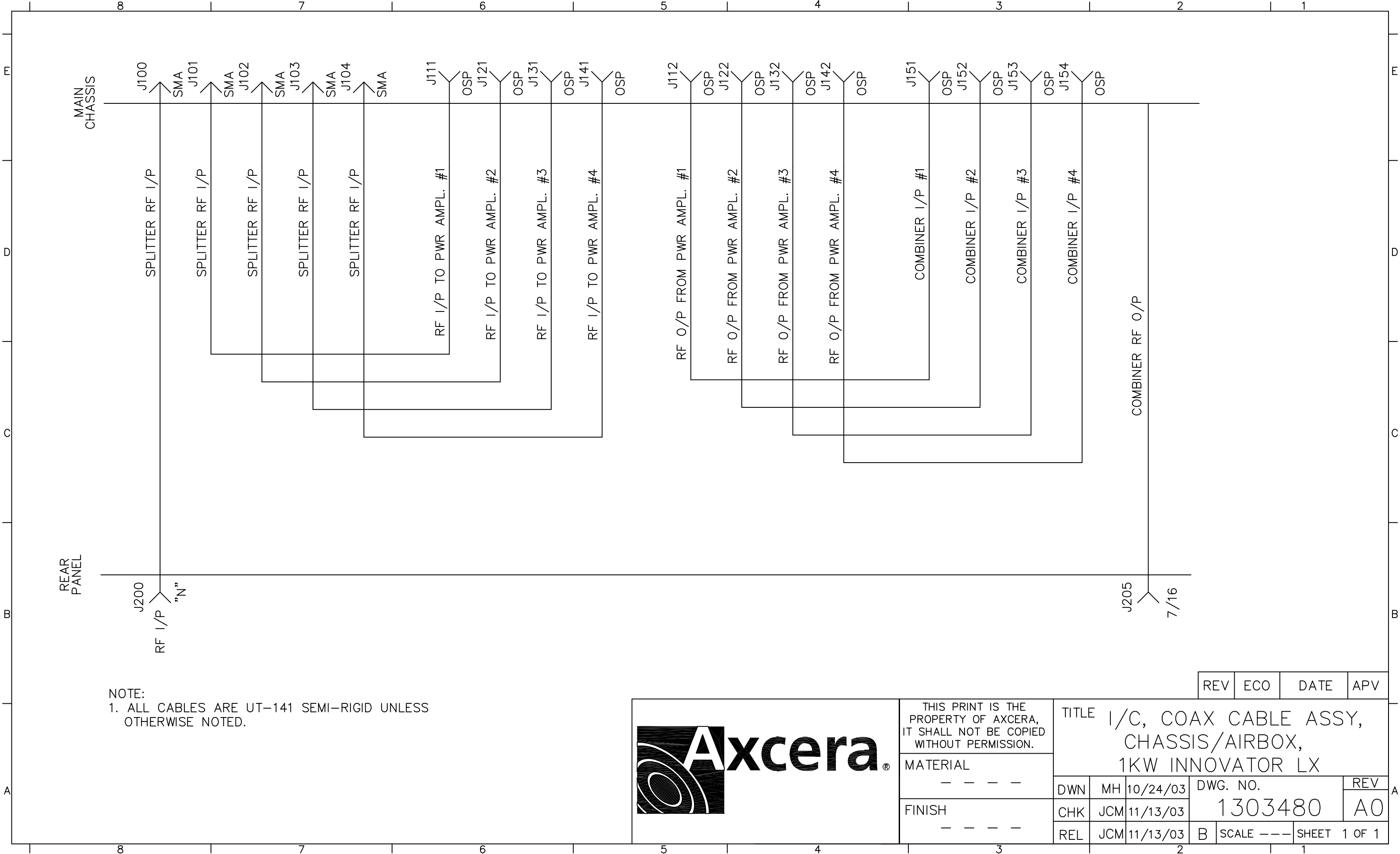




NOTE: ALL WIRES ARE 10 AWG UNLESS OTHERWISE NOTED.

AMPLIFIER #2 WAS #3. AMPLIFIER #3 WAS #2. (RGE)			
B0	20111287	03/04/04	LRT
REV	ECO	DATE	APV

	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE I/C, DC HARNESS, CHASSIS/AIRBOX 500W UPGRDBL TO 1KW, LX					
	MATERIAL — — — —		DWN	WB	02/06/04	DWG. NO. 1303961		REV
	FINISH — — — —		CHK	LRT	02/06/04			B0
REL			KRT	02/06/04	B	SCALE — — —	SHEET 1 OF 1	



NOTE:
1. ALL CABLES ARE UT-141 SEMI-RIGID UNLESS OTHERWISE NOTED.



THIS PRINT IS THE
PROPERTY OF AXCERA,
IT SHALL NOT BE COPIED
WITHOUT PERMISSION.

MATERIAL

— — — —

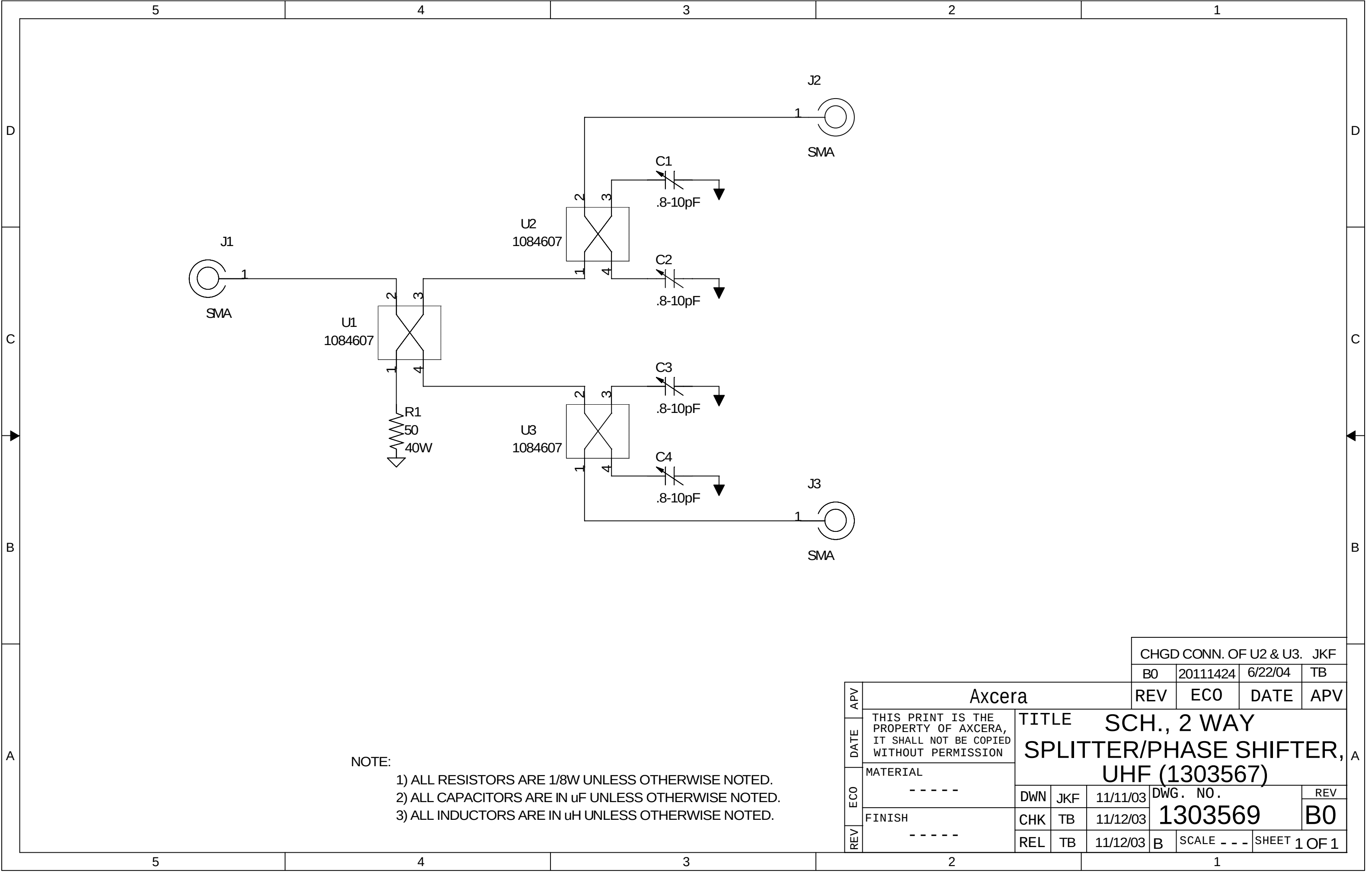
FINISH

— — — —

TITLE I/C, COAX CABLE ASSY,
CHASSIS/AIRBOX,
1KW INNOVATOR LX

DWN	MH	10/24/03	DWG. NO.	REV
CHK	JCM	11/13/03	1303480	A0
REL	JCM	11/13/03	B	SCALE --- SHEET 1 OF 1

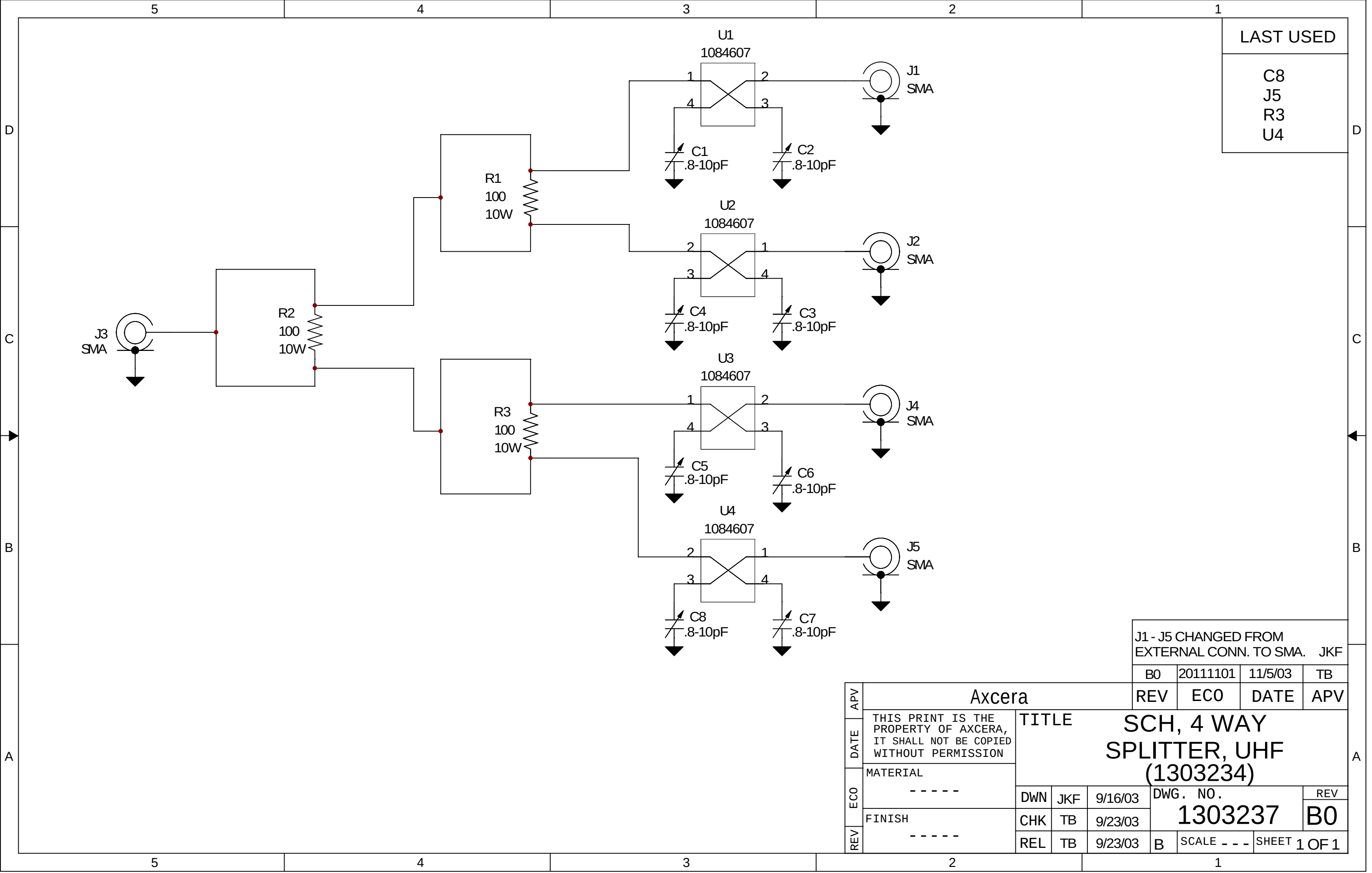
REV	ECO	DATE	APV
-----	-----	------	-----

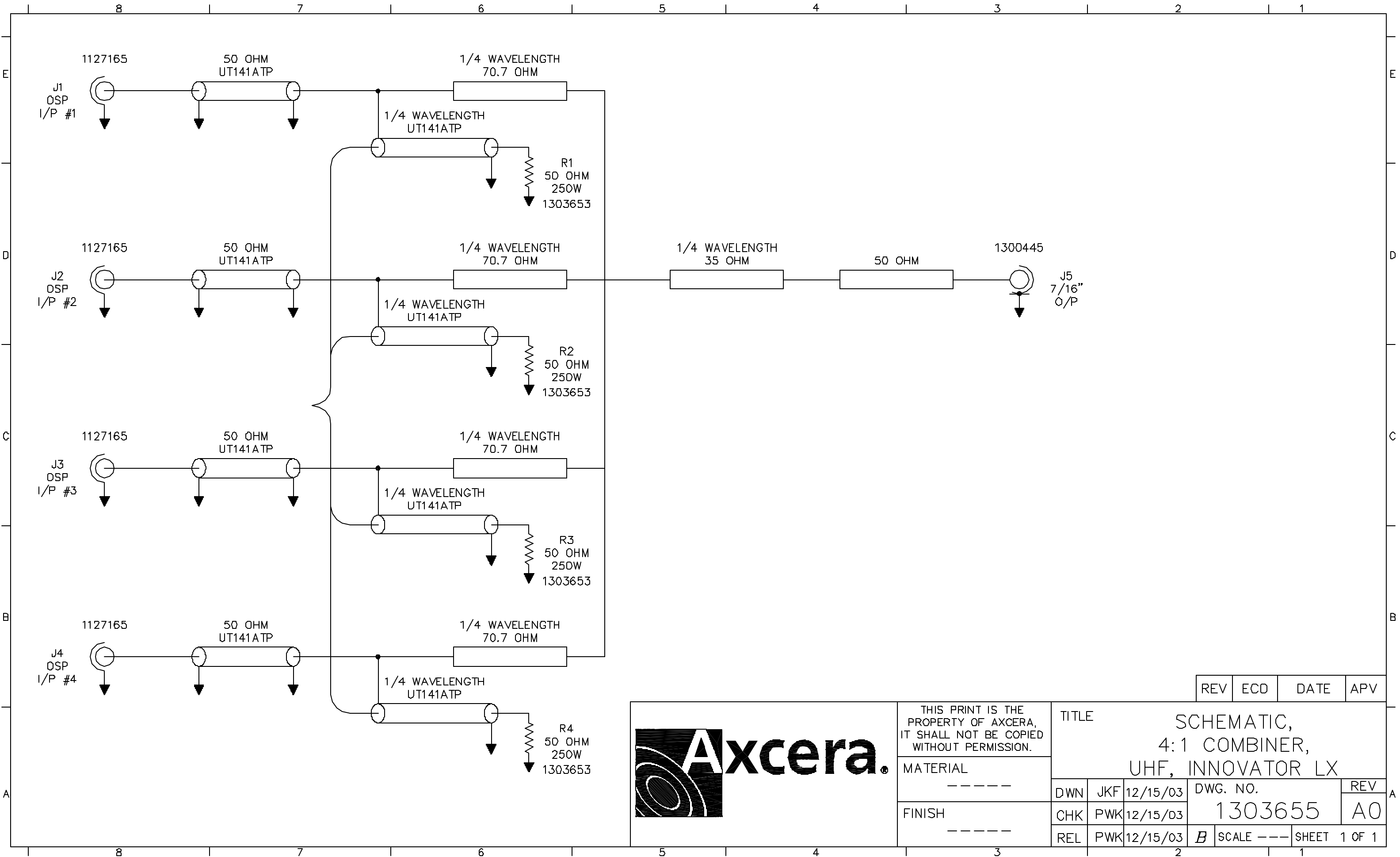


NOTE:

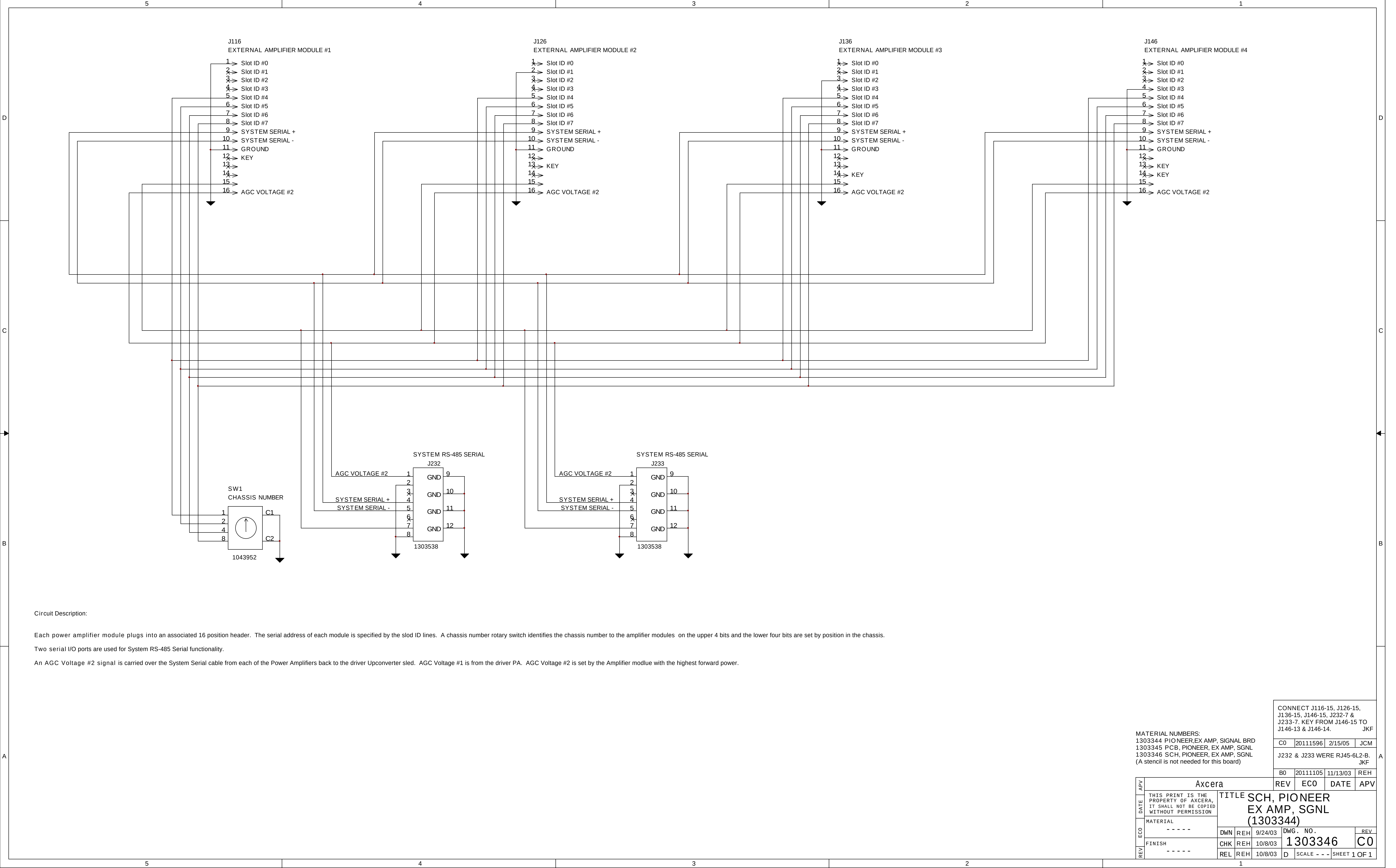
- 1) ALL RESISTORS ARE 1/8W UNLESS OTHERWISE NOTED.
- 2) ALL CAPACITORS ARE IN μF UNLESS OTHERWISE NOTED.
- 3) ALL INDUCTORS ARE IN μH UNLESS OTHERWISE NOTED.

CHGD CONN. OF U2 & U3. JKF			
B0	20111424	6/22/04	TB
REV	ECO	DATE	APV
APV	Axcera		
	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION		
	TITLE SCH., 2 WAY SPLITTER/PHASE SHIFTER, UHF (1303567)		
	MATERIAL - - - - -		
ECO	DWN	JKF	11/11/03
	CHK	TB	11/12/03
REV	FINISH - - - - -		REV
	REL		TB
DWG. NO. 1303567		B0	
SCALE - - -		SHEET 1 OF 1	





 Axcera.®	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE SCHEMATIC, 4:1 COMBINER, UHF, INNOVATOR LX					
	MATERIAL -----							DWN
	FINISH -----		CHK	PWK	12/15/03	1303655		A0
			REL	PWK	12/15/03	B	SCALE ---	SHEET 1 OF 1



MATERIAL NUMBERS:
1303344 PIONEER,EX AMP, SIGNAL BRD
1303345 PCB, PIONEER, EX AMP, SGNL
1303346 SCH, PIONEER, EX AMP, SGNL
(A stencil is not needed for this board)

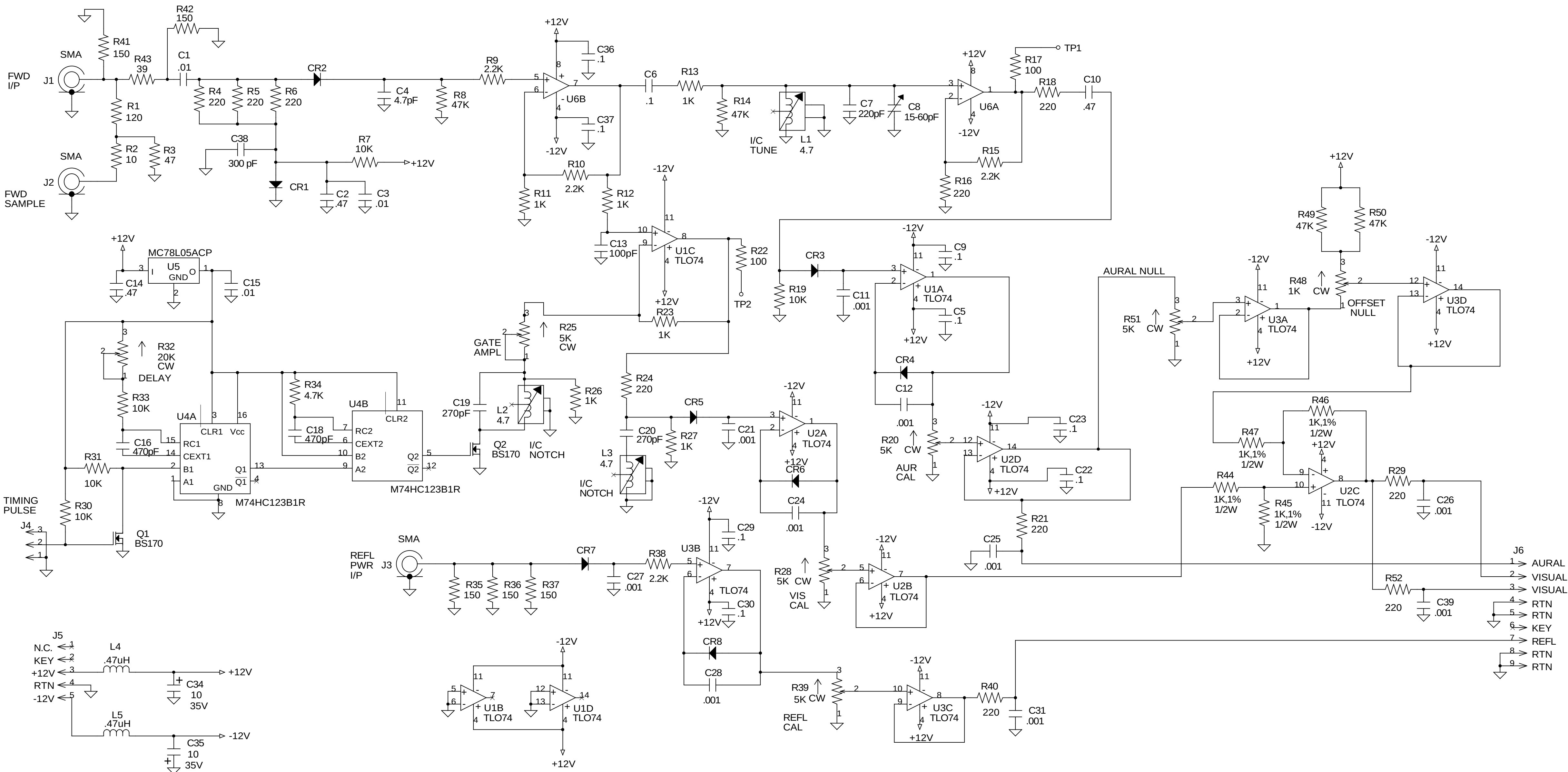
CONNECT J116-15, J126-15, J136-15, J146-15, J232-7 & J233-7. KEY FROM J146-15 TO J146-13 & J146-14. JKF

C0 20111596 2/15/05 JCM

J232 & J233 WERE RJ45-6L2-B. JKF

B0 20111105 11/13/03 REH

APV	Axcera				REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION				TITLE SCH, PIONEER EX AMP, SGNL (1303344)			
MATERIAL					DWN	REH	9/24/03	DWG. NO.
ECO	-----				CHK	REH	10/8/03	1303346
REV	FINISH				REL	REH	10/8/03	C0
				D	SCALE - - - SHEET 1 OF 1			



NOTES:
1) ALL RESISTORS ARE 1/8 WATT UNLESS NOTED OTHERWISE.
2) ALL CAPACITORS ARE uF UNLESS NOTED OTHERWISE.
3) ALL INDUCTORS ARE uH UNLESS NOTED OTHERWISE.
4) ALL DIODES ARE 5082-2811 UNLESS NOTED OTHERWISE.
5) ALL TRANSISTORS ARE BS170 UNLESS NOTED OTHERWISE.
6) U6 IS HA50231B OR LT1229CS8.

ADDED R52 AND C39. (PJK)

A0 20092325 5/31/01 LRT

R8 WAS 4.7K. (TMY)

5 8470 9/30/96 LRT

R7 WAS 100K. (PJK)

4 8408 9/9/96 JAG

ADDED R41 - R51 & C38. R13 WAS 10K, R19 WAS 2.2K, R7 WAS 10K. CHGD U1A TO U6B. CHGD U1D TO U1A. ADDED CIRCUIT TO U2B & U2D. ENLARGED TO "D" SIZE DWG. (TMY)

3 8052 7/16/96 JAG

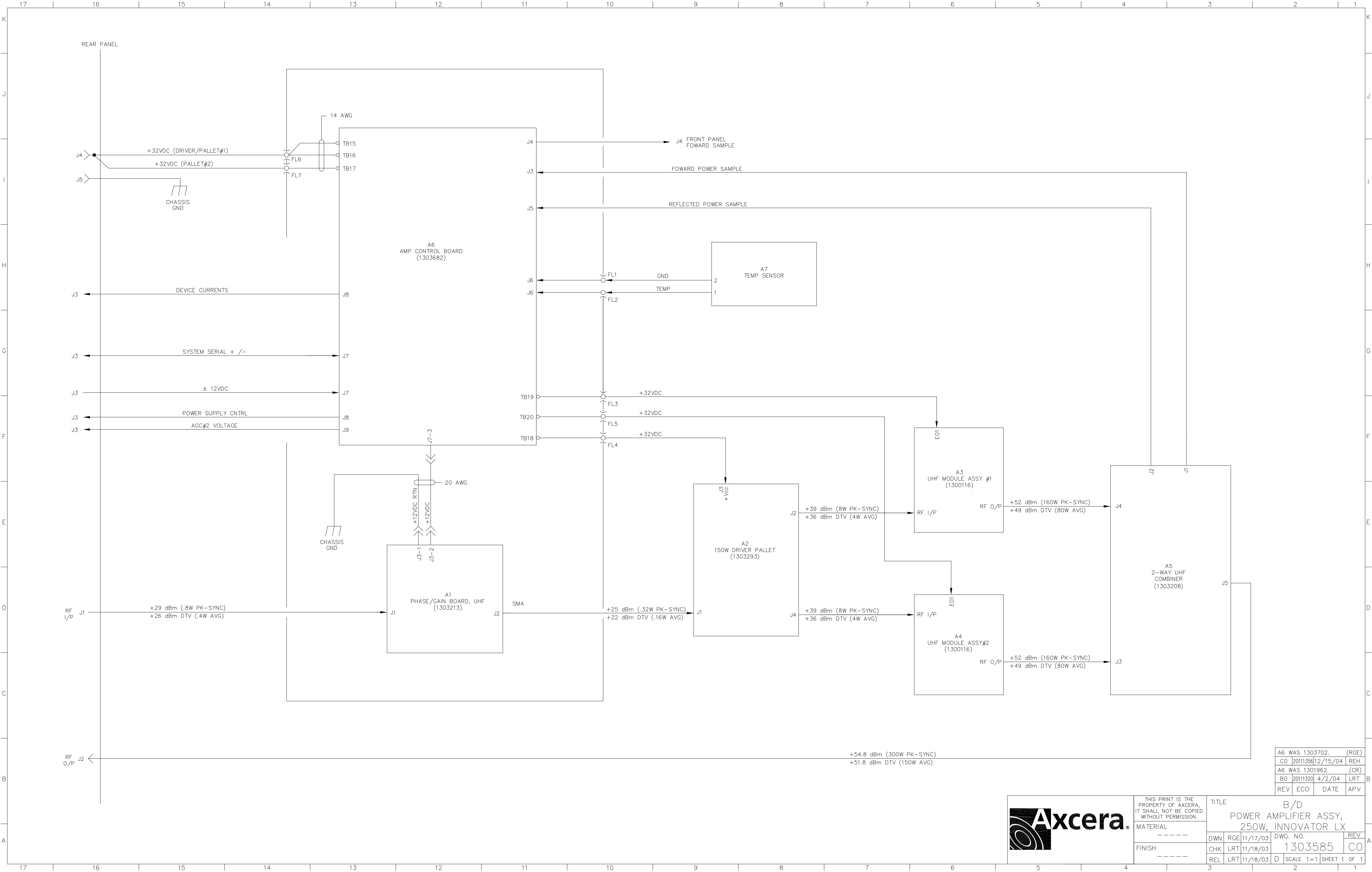
C7 WAS 160pF. J6 WAS A 7 PIN CONNECTOR. (PJK)

2 8026 4/2/96 LRT

ADDED U6, C36, C37. ADDED NOTE #6. U5 WAS M78L05ACN. L5 WAS CONNECTED TO J5-1. U6A WAS U1A. 1A WAS U1B. U2B WAS U2A. U2A WAS U2B. U2B WAS U3D. (PJK)

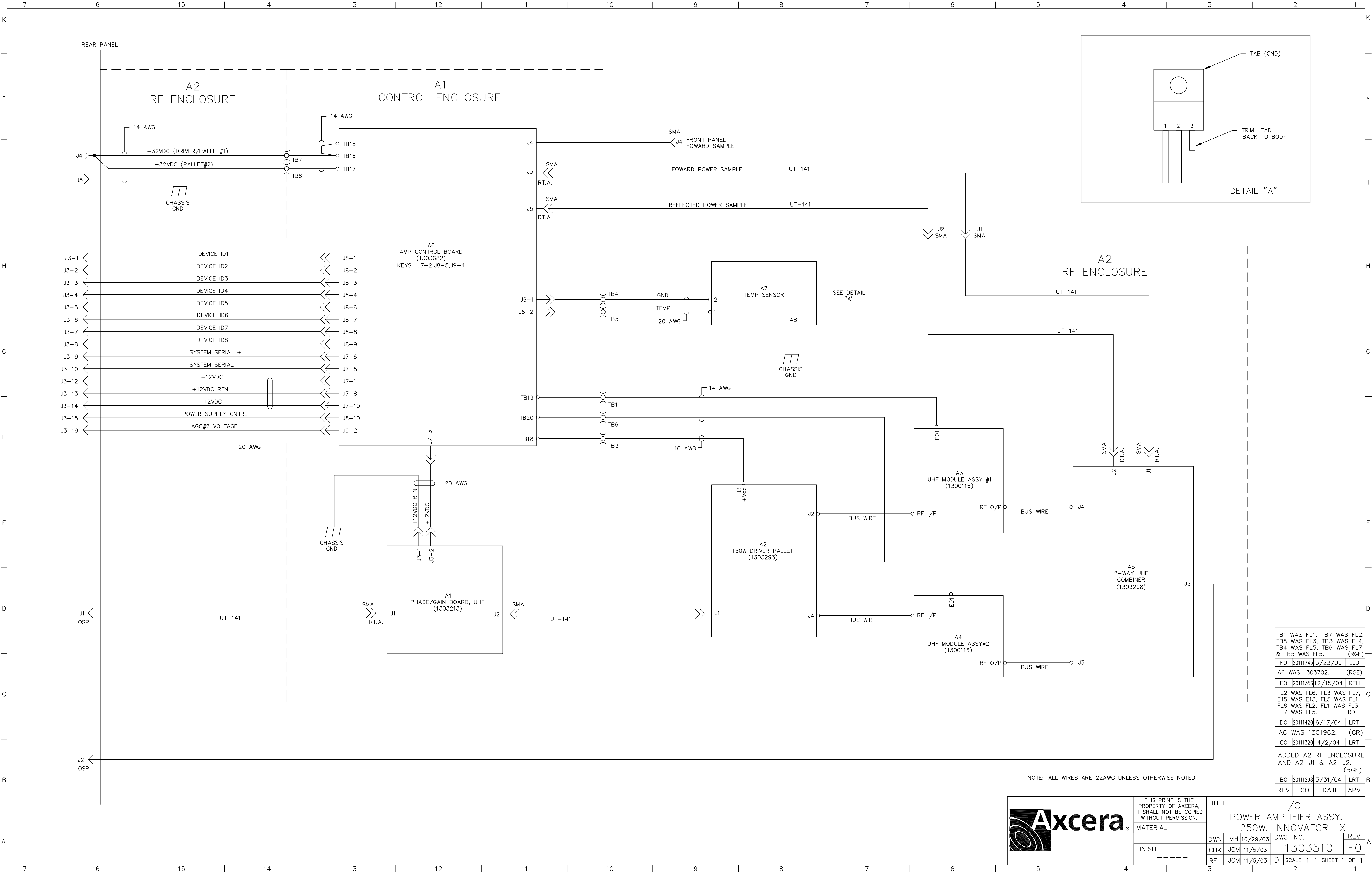
1 7999 3/4/96 LRT

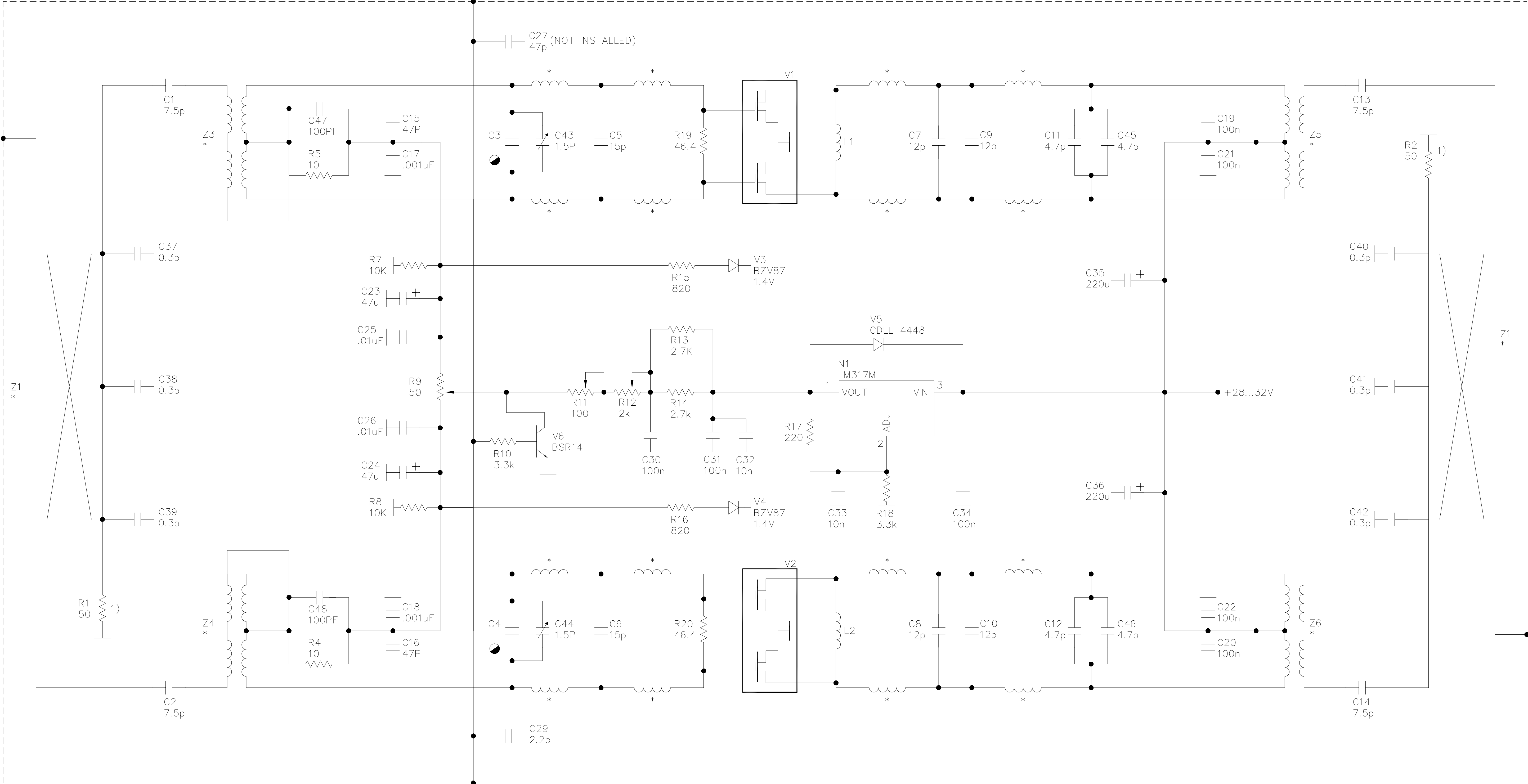
APV	ADC Telecommunications			REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF ADC. IT SHALL NOT BE COPIED WITHOUT PERMISSION			TITLE 91-00-00-50AC-61 SCH., VIS/AURAL MTRNG BD (1265-1309)			
ECO	MATERIAL			DWG. NO.			REV
FINISH	-----			CHK	PJK	12/21/95	1265-3309
REV	-----			REL	DWB	1/3/96	A0
			SCALE - - -	SHEET 1 OF 1			



A6 WAS 1303702.	(RGE)
CO 20111358	12/15/04 REH
A6 WAS 1301962.	(CR)
BO 20111320	4/2/04 LRT
REV ECO	DATE APV

	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE				B/D			
			POWER AMPLIFIER ASSY, 250W, INNOVATOR LX							
	MATERIAL	-----		DWN	RGE	11/17/03	DWG. NO.	1303585	REV	C0
	FINISH	-----		CHK	LRT	11/18/03				
			REL	LRT	11/18/03	D	SCALE 1=1	SHEET 1	OF 1	





* PRINTED COMPONENT

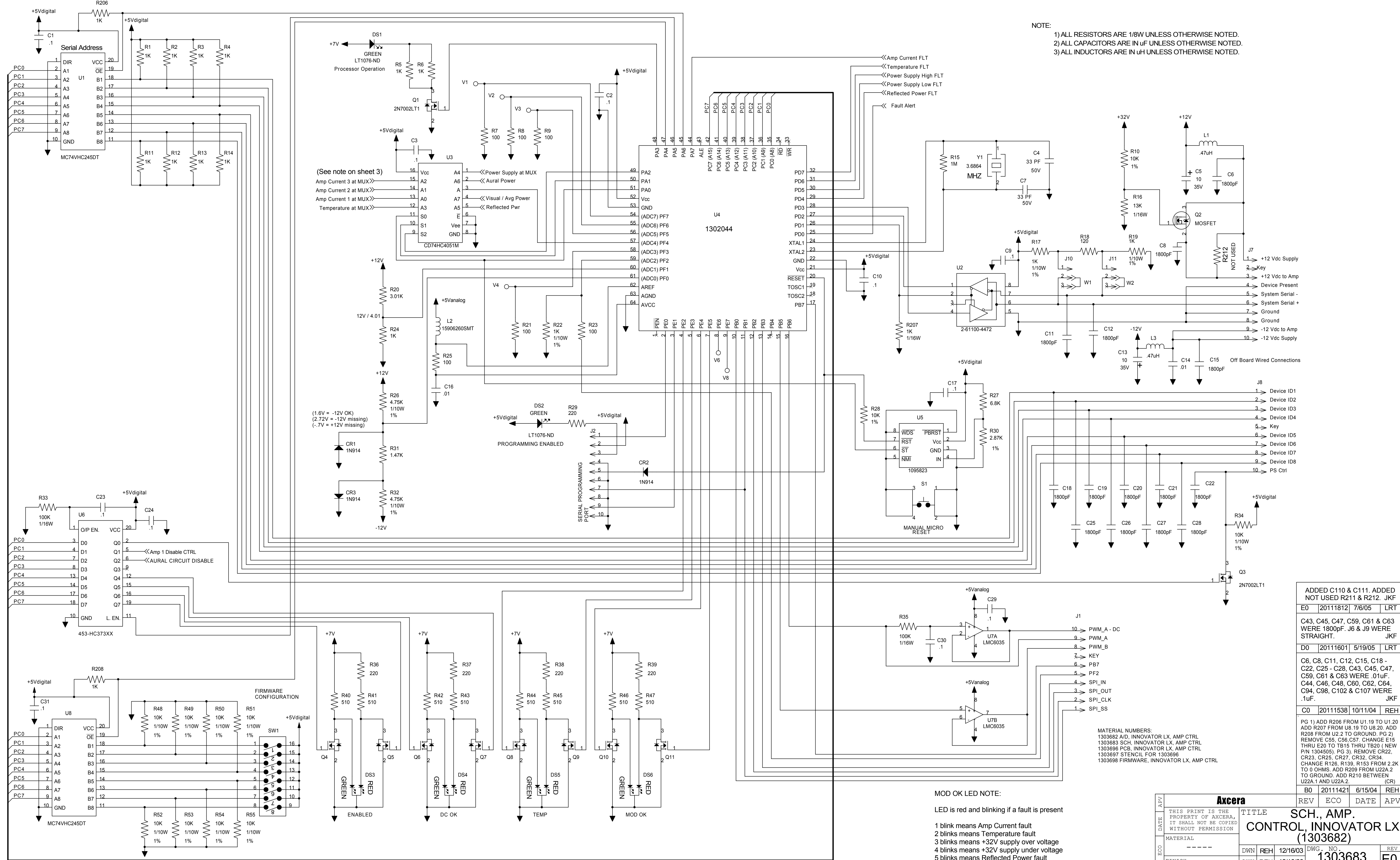
FACTORY SET VALUE

PC BOARD LAYOUT SEE
51-5379-309-00 (2)

DELETED PTF10159 P/N FROM LDMOS. ADDED C23,C24 & C27. CDD/CR			
CO	20110221	5/17/02	RE
R15 AND R16 WERE 680 OHMS. PWN			
BO	20100316	04/02/02	LRT
REV	ECO	DATE	APV

CHANGE R3 FROM A 22 OHM RESISTOR TO C47, SM, CAP, 100PF, 500WDC. FROM CHANGE R6 FROM A 22 OHM RESISTOR TO C48, SM, CAP, 100PF, 500WDC. FROM CHANGE R4 FROM A 22 OHM RESISTOR TO 15906003SMT SM,, RES, 10 OHM 5% 1/8W CHANGE R5 FROM A 22 OHM RESISTOR TO 15906003SMT SM,, RES, 10 OHM 5% 1/8W CHANGE C17 FROM A 47PF CAP FIXED CERAMIC, 47 PF TO 15906160SMT SM,, CAP, .001 UF, 50 WVDC CHANGE C18 FROM A 47PF CAP FIXED CERAMIC, 47 PF TO 15906160SMT SM,, CAP, .001 UF, 50 WVDC ADD C23 1301246 SM, CAP, 47MF, 50V, LOW ESR ADD C24 1301246 SM, CAP, 47MF, 50V, LOW ESR ADD C25 15906161SMT SM,, CAP, .01 UF, 50 WVDC ADD C26 15906161SMT SM,, CAP, .01 UF, 50 WVDC PWN	DO 20100409/18/02 RJ
---	----------------------

		THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE AMPLIFIER MODULE	
MATERIAL		FINISH		DWN	PWN
				CHK	LRT
				REL	LRT
				04/01/02	04/03/02
				51-5379-309-00 WSP	DO
				SCALE	SHEET 1 OF 1

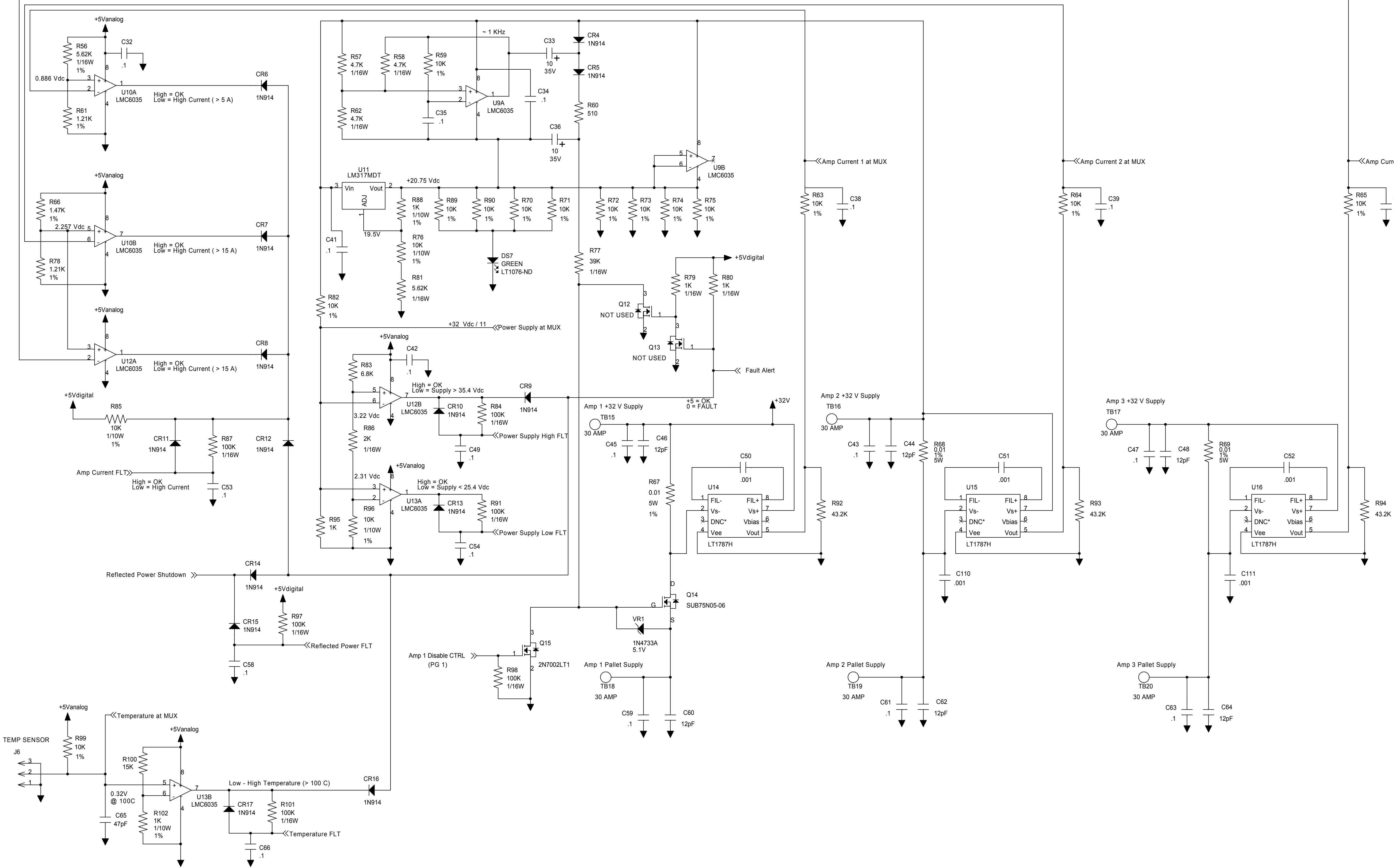


NOTE:
1) ALL RESISTORS ARE 1/8W UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.
3) ALL INDUCTORS ARE IN uH UNLESS OTHERWISE NOTED.

MOD OK LED NOTE:
LED is red and blinking if a fault is present
1 blink means Amp Current fault
2 blinks means Temperature fault
3 blinks means +32V supply over voltage
4 blinks means +32V supply under voltage
5 blinks means Reflected Power fault
6 blinks means +12V or -12V fault

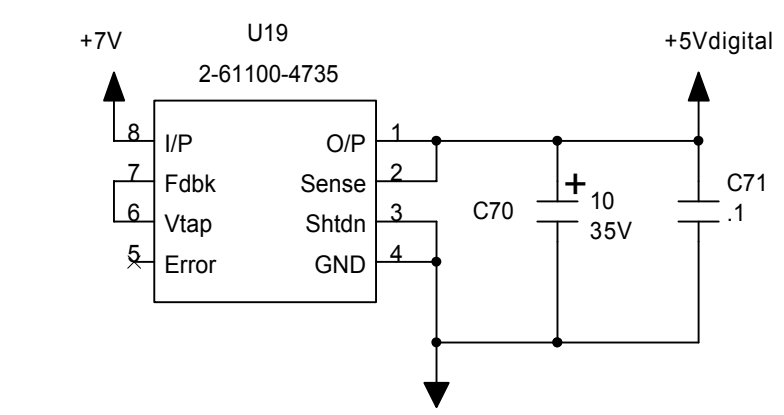
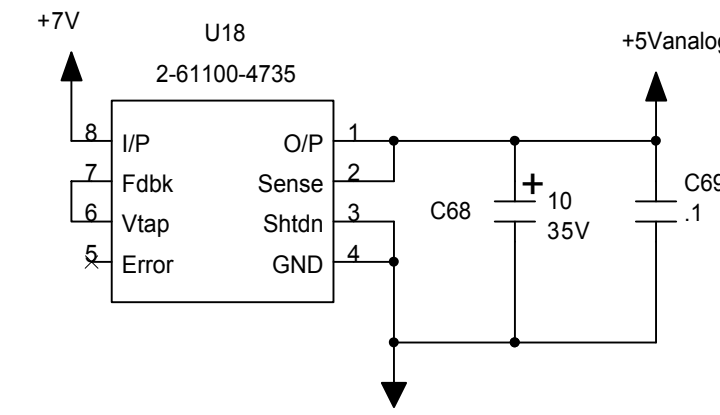
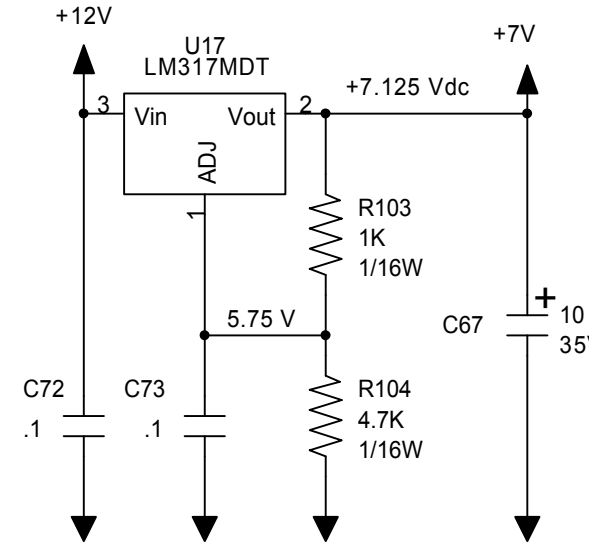
Axcera				REV			
DATE	APV	ECO	DATE	APV	ECO	DATE	APV
THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION				TITLE			
MATERIAL				SCH., AMP. CONTROL, INNOVATOR LX (1303682)			
FINISH				DWN	REH	12/16/03	DWG. NO. 1303683
REL				CHK	REH	12/16/03	REV E0
				REL	REH	12/16/03	SCALE - - - SHEET 1 OF 3

ADDED C110 & C111. ADDED NOT USED R211 & R212. JKF			
E0	20111812	7/6/05	LRT
C43, C45, C47, C59, C61 & C63 WERE 1800pF. J6 & J9 WERE STRAIGHT. JKF			
D0	20111601	5/19/05	LRT
C6, C8, C11, C12, C15, C18 - CR22, C25 - C28, C43, C45, C47, C59, C61 & C63 WERE .01uF. C44, C46, C48, C60, C62, C64, C94, C98, C102 & C107 WERE .1uF. JKF			
C0	20111538	10/11/04	REH
PG 1) ADD R206 FROM U1.19 TO U1.20 ADD R207 FROM U8.19 TO U8.20. ADD R208 FROM U2.2 TO GROUND. PG 2) REMOVE C55, C56, C57. CHANGE E15 THRU E20 TO T815 THRU T820 (NEW P/N 1304505). PG 3) REMOVE CR22, CR23, CR25, CR27, CR32, CR34. CHANGE R126, R139, R153 FROM 2.2K TO 0 OHMS. ADD R209 FROM U22A.2 TO GROUND. ADD R210 BETWEEN U22A.1 AND U22A.2 (CR)			
B0	20111421	6/15/04	REH

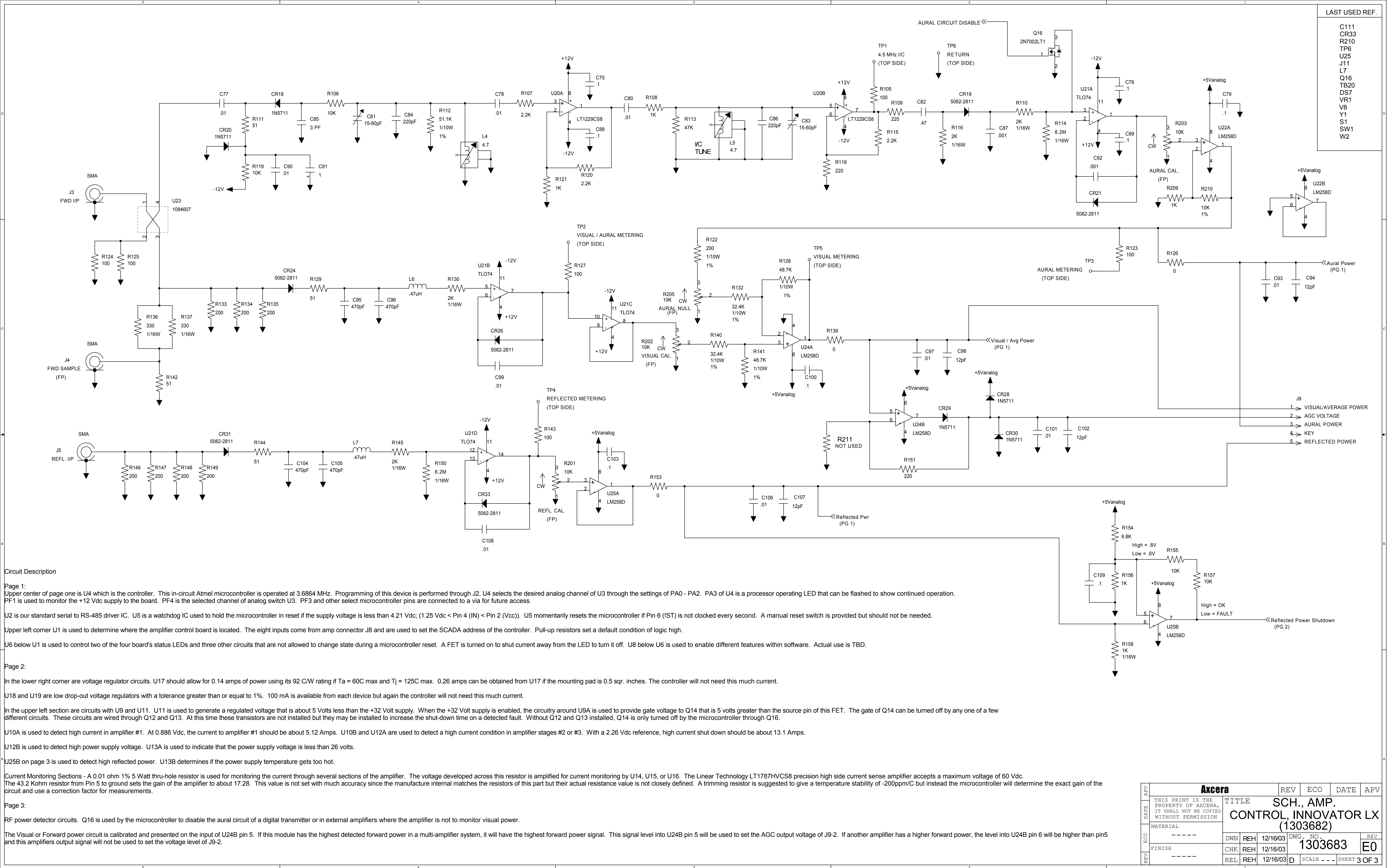


NOTE:

A track width of 0.3 inch is needed between power input vias and sense resistors R55,R56,R57. 0.3 inch track width is also needed between the output of the sense resistors and the output vias that provide power to the amplifier pallets.

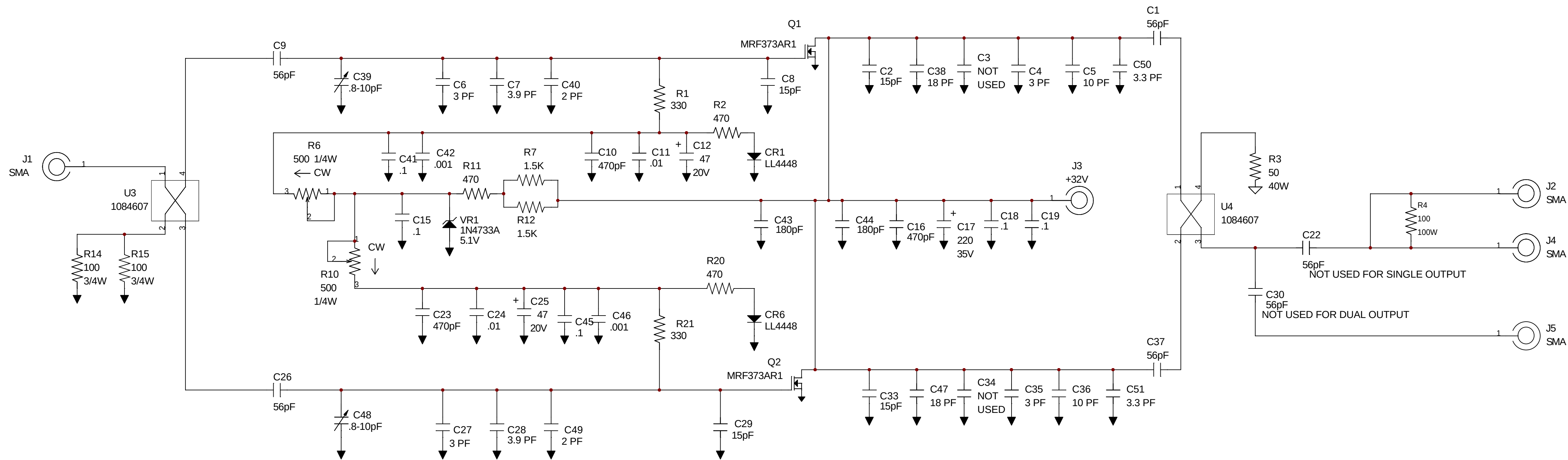


APV		Xxcera		REV	ECO	DATE	APV
DATE		THIS PRINT IS THE PROPERTY OF AXCCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION		TITLE		SCH., AMP. CONTROL, INNOVATOR LX (1303682)	
ECO		MATERIAL		DWN		REH	12/16/03
REV		FINISH		CHK		REL	12/16/03
				REL		REL	12/16/03
				SCALE		SHEET 2 OF 3	



LAST USED REF.

C51
J5
R21
Q2
CR6
U4
VR1



R2 & R20 WERE 1K. R10 WAS 100.
JKF

D0	20111485	11/9/04	TB
----	----------	---------	----

C2, C6, C27 & C33 WERE 4.7 PF. C8, C29, C38 & C47 WERE 2 PF. C7 & C28 WERE 5.1 PF. C40 & C49 WERE 12 PF. C3, C5, C34 & C36 WERE 3 PF. ADDED C50 & C51.
JKF

C0	20111142	12/4/03	TB
----	----------	---------	----

ADDED C40 - C49, C2, C3, C4, C5, C6, C7, C8, C27, C28, C29, C33, C34, C35 & C36 WERE 56pF. R1 & R21 WERE 33 Ohm. C12 & C25 WERE 10uF, 35V. SWITCHED PIN 1 & 3 CONN. ON R6. DELETED U5.
JKF

B0	20111082	10/31/03	TB
----	----------	----------	----

REV	ECO	DATE	APV
REV	ECO	DATE	APV
FINISH	TB	9/12/03	TB
MATERIAL	TB	8/15/03	TB
DATE	TB	9/12/03	TB
APV	TB	8/15/03	TB

THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION

AXCERA

REV

ECO

DATE

APV

TITLE

SCH., 150W, DRIVER, UHF. (1303293)

DWG. NO.

1303171

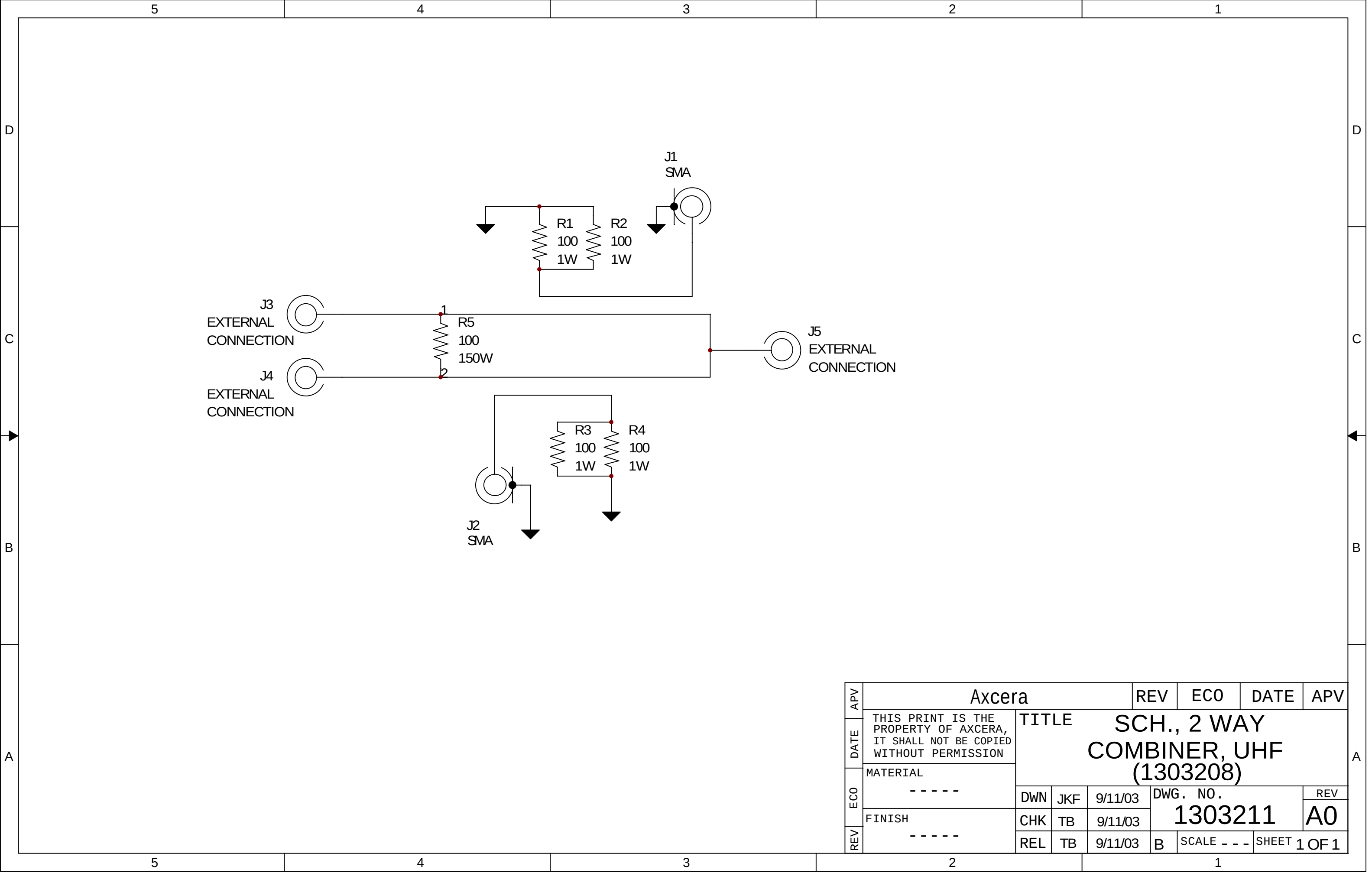
REV

D0

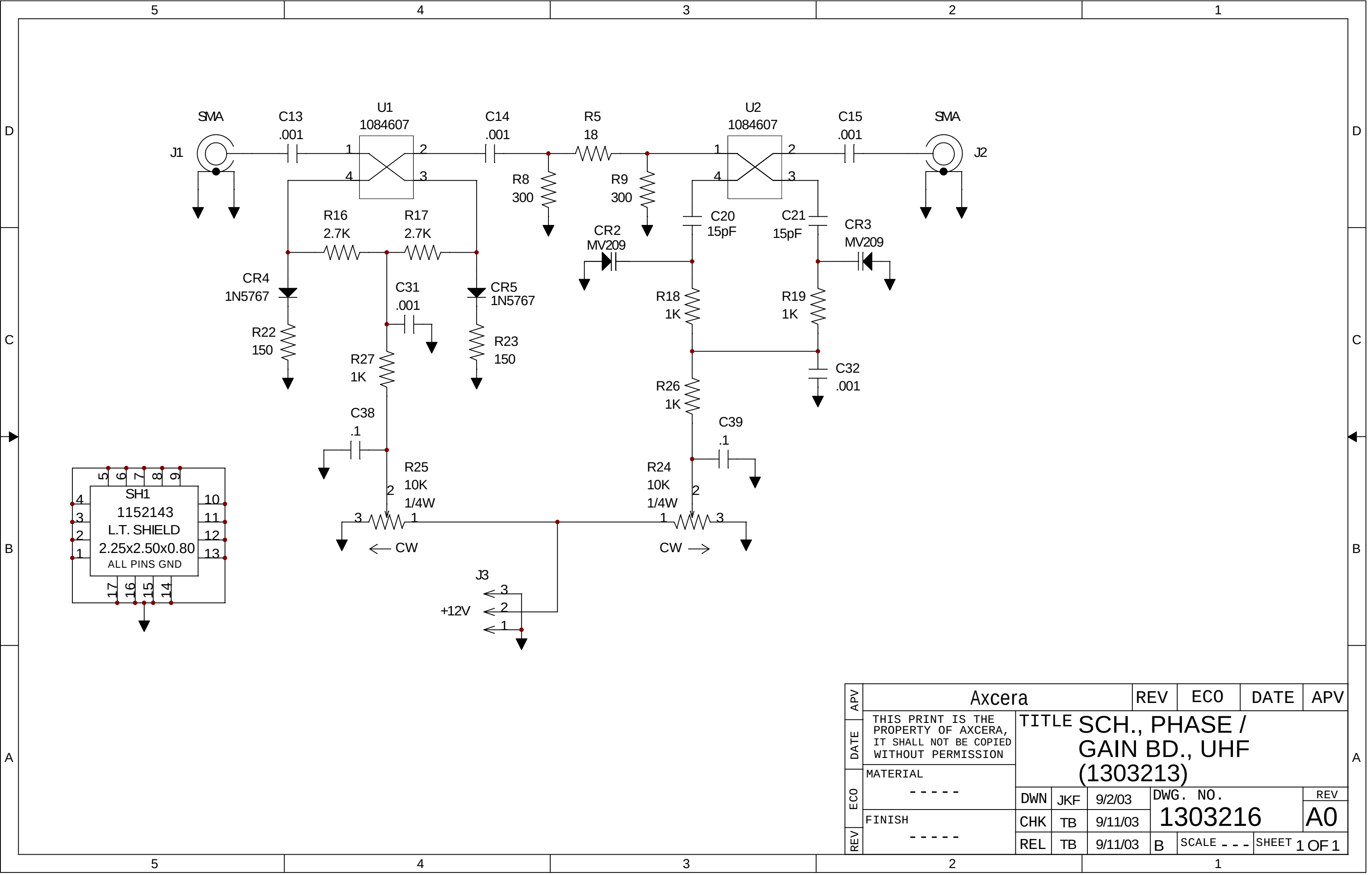
SCALE

SHEET

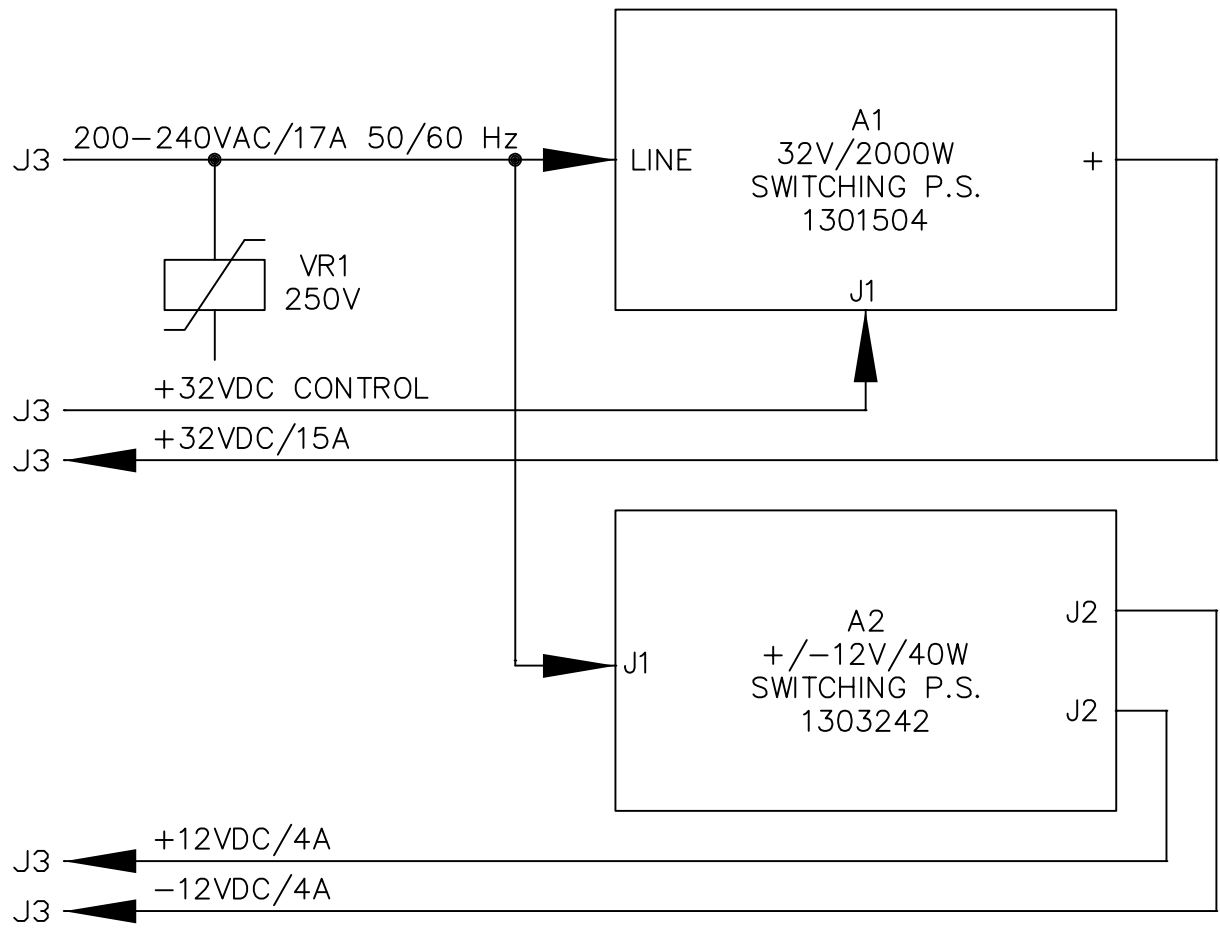
1 OF 1



APV	Axcera					REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION		TITLE SCH., 2 WAY COMBINER, UHF (1303208)						
ECO									
REV	FINISH - - - - -		DWN	JKF	9/11/03	DWG. NO. 1303211		REV A0	
			CHK	TB	9/11/03	B	SCALE - - -	SHEET 1 OF 1	



REV	ECO	DATE	APV	Axcera				REV	ECO	DATE	APV
THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION				TITLE SCH., PHASE / GAIN BD., UHF (1303213)							
MATERIAL				DWN				JWF			
FINISH				CHK				TB			
				REL				TB			
								9/2/03			
								9/11/03			
								9/11/03			
								B			
								SCALE - - -			
								SHEET 1 OF 1			



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



THIS PRINT IS THE
PROPERTY OF AXCERA,
IT SHALL NOT BE COPIED
WITHOUT PERMISSION.

MATERIAL

FINISH

TITLE				B/D, POWER SUPPLY ASSY, 1KW, INNOVATOR LX	
DWN	RGE	1/27/04	DWG. NO.		REV
CHK	JCM	1/27/04	1303886		A0
REL	JCM	1/27/04	A	SCALE ---	SHEET 1 OF 1

