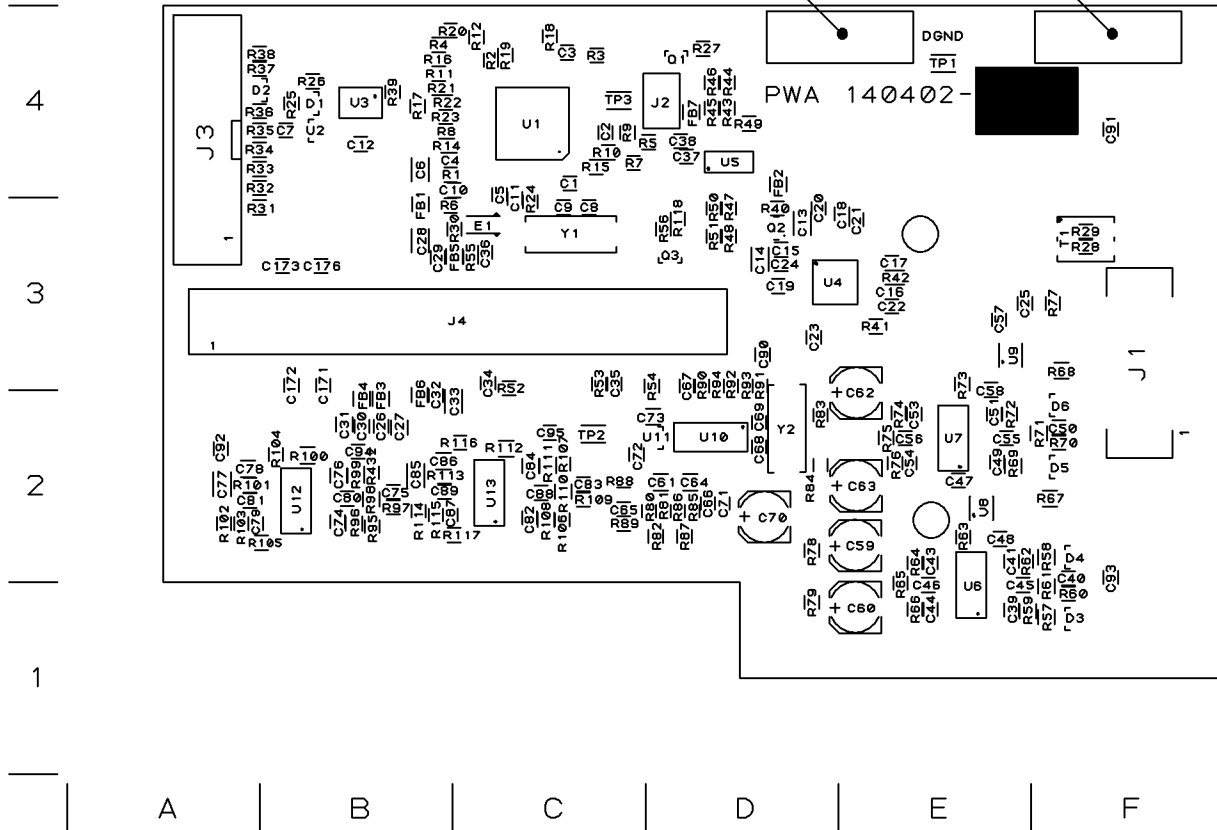


REVISION HISTORY

E. C. N.	REV	DESCRIPTION	DATE	APPROVED		
				DWN	CM	PE
	A	SEE 140402-5_A.XLS FOR REVISION HISTORY	01-20-09	KLW	KZ	BLC

COMPONENT MAP
TOP SIDE

SEE NOTE 5



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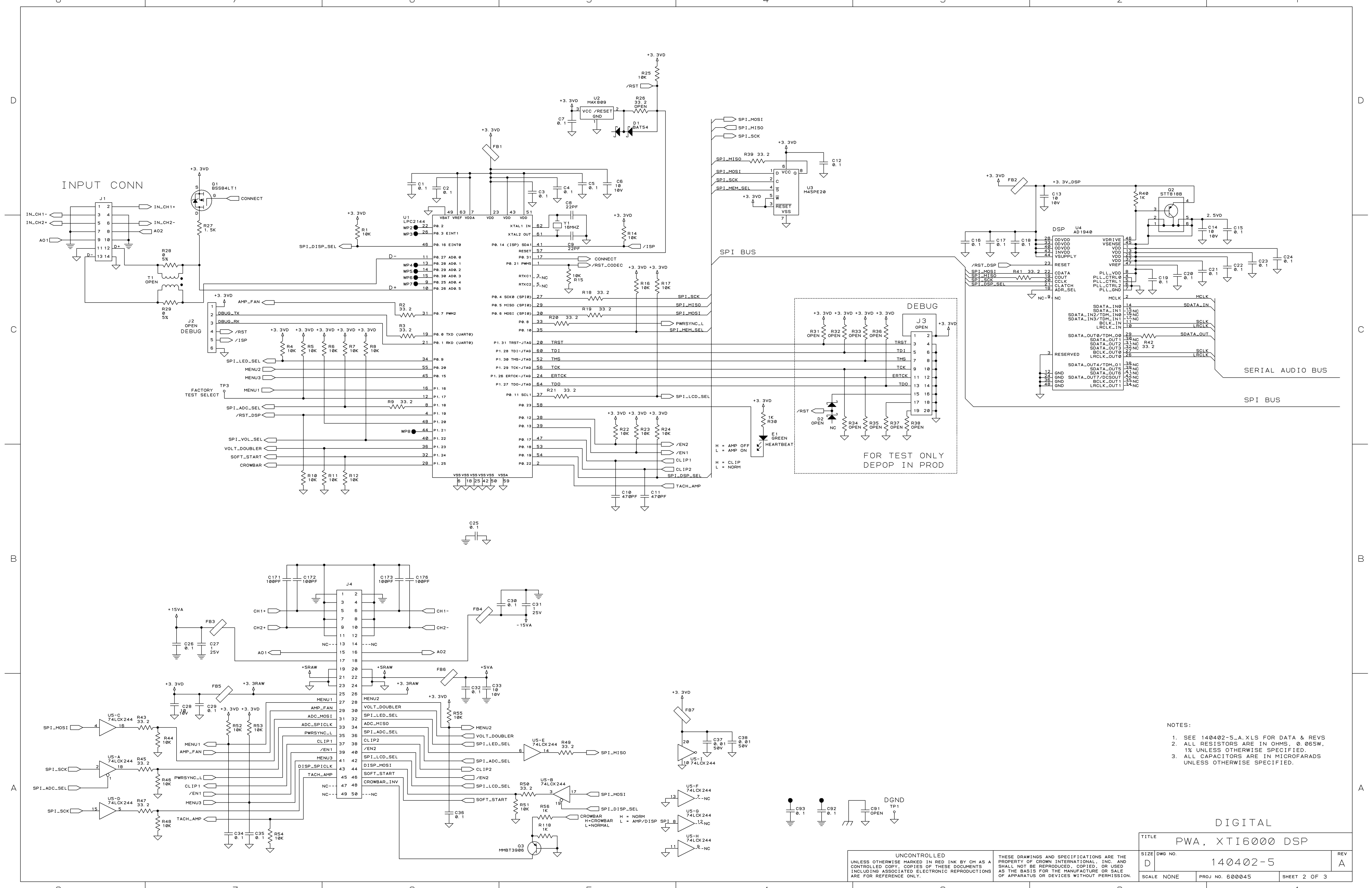
DISTRIBUTION	DWN	KLW	01-20-09
K	CM	KZ	1/21/09
FILENAME	PE	BLC	01-20-09
140402-5_A.PCB			
TOLERANCE UNLESS OTHERWISE SPECIFIED			
.00 = ±.02"			
.000 = ±.010"			
DRILLS = ±.003"			
DO NOT SCALE DRAWING			

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ELKHART IN, 46517 WWW.CROWNAUDIO.COM

TITLE
PWA, XTI6000 DSP

SIZE	DWG NO.	REV
A	140402-5	A

SCALE	NONE	PROJ NO.	600045	SHEET	1 OF 3
-------	------	----------	--------	-------	--------



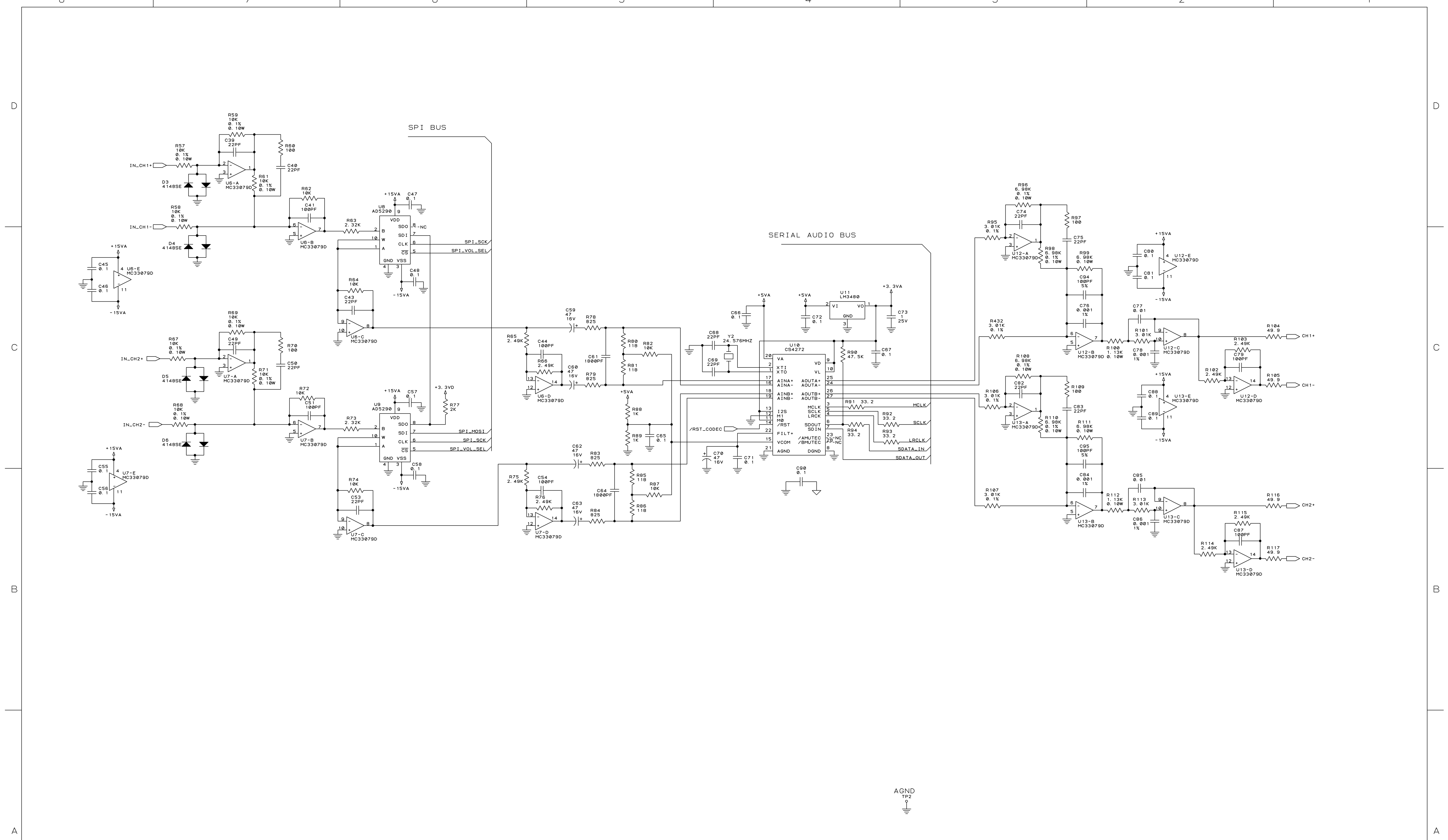
- NOTES:
- SEE 140402-5_A.XLS FOR DATA & REVS
 - ALL RESISTORS ARE IN OHMS, 0.065W, 1% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

DIGITAL

TITLE		PWA, XTI6000 DSP	
SIZE	DWG NO.	REV	
D	140402-5	A	
SCALE	NONE	PROJ NO.	600045
		SHEET 2 OF 3	

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AGND
TP2

ANALOG

TITLE		PWA, XTI6000 DSP	
SIZE	DWG NO.	REV	
D	140402-5	A	
SCALE	NONE	PROJ NO.	600045
		SHEET	3 OF 3

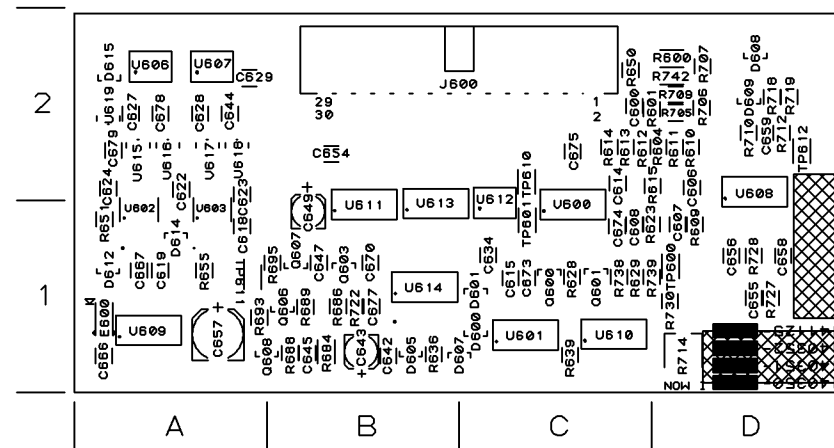
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REVISION HISTORY

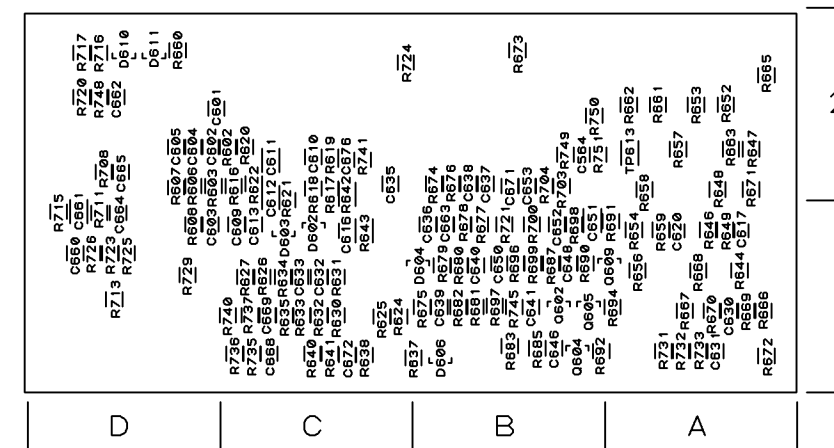
E. C. N.	ZONE	REV	DESCRIPTION	DATE	APPROVED		
					DWN	CM	PE
		A	SEE 141367-2_A.XLS FOR COMPONENT DATA AND REVISION HISTORY	04-16-09	KLW	KZ	JF

COMPONENT MAP
TOP SIDE




SEE NOTE 5

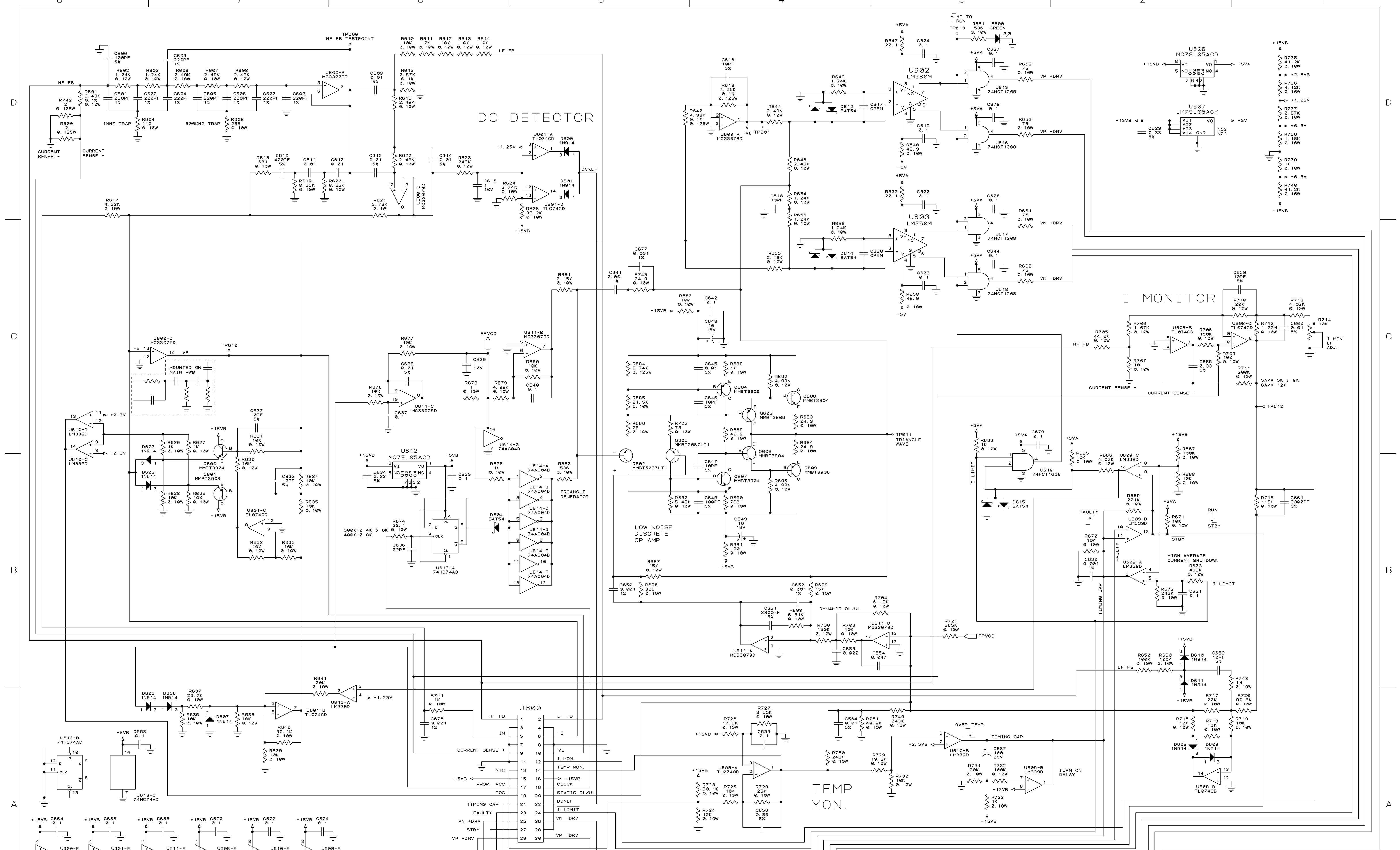
COMPONENT MAP
BOTTOM SIDE



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DISTRIBUTION	DWN	KLW	04-16-09	 Crown H A Harman International Company 1718 WEST MISHAWAKA RD. PHONE 574-294-8000 ELKHART IN, 46517 WWW.CROWNAUDIO.COM
A	CM	KZ	4/22/09	
FILENAME	PE	JF	04-16-09	
TOLERANCE UNLESS OTHERWISE SPECIFIED				
.00 = ±.02"				TITLE
.000 = ±.010"				*PWA, XTI/CDI/DSI6000
DRILLS = ±.003"				FRONT END
DO NOT SCALE DRAWING				SIZE DWG NO.
				B 141367-2
				REV
				A
				SCALE NONE
				PROJ NO. 600045
				SHEET 1 OF 2



DC DETECTOR

I MONITOR

TEMP MON.

TITLE XTI/CDI/DSI6000 FRONT END

SIZE DWG NO. 141367-2 REV A

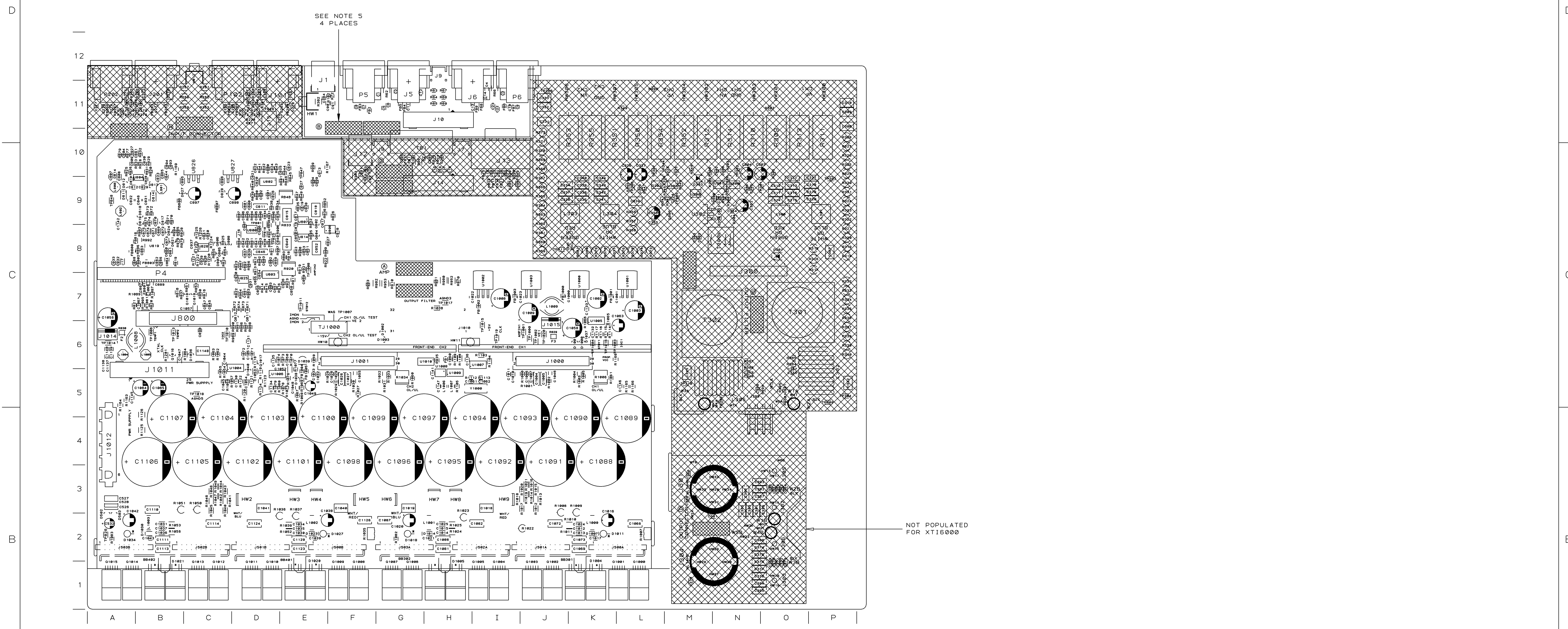
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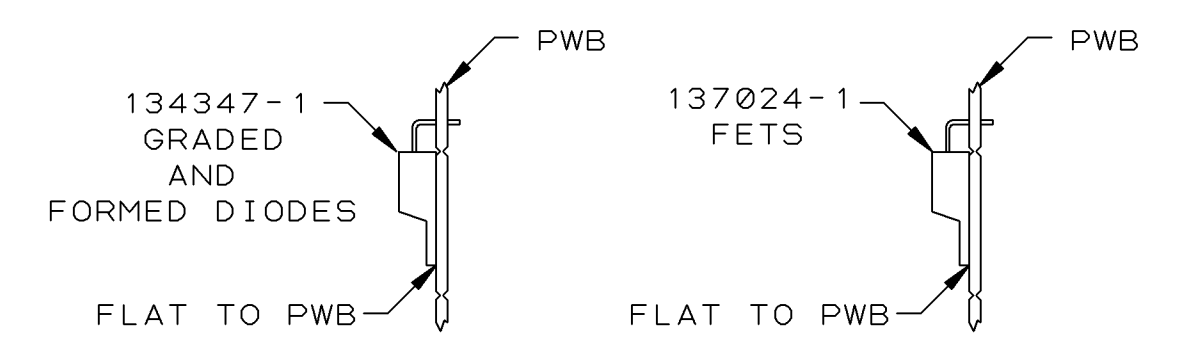
SCALE NONE PROJ NO. 600045 SHEET 2 OF 2

REVISION HISTORY					
E. C. N.	ZONE	REV	DESCRIPTION	DATE	APPROVED
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30269		B	SEE 140464-5.B.XLS FOR COMPONENT DATA AND REVISION HISTORY.	05-20-09	KLW KZ GT

COMPONENT MAP



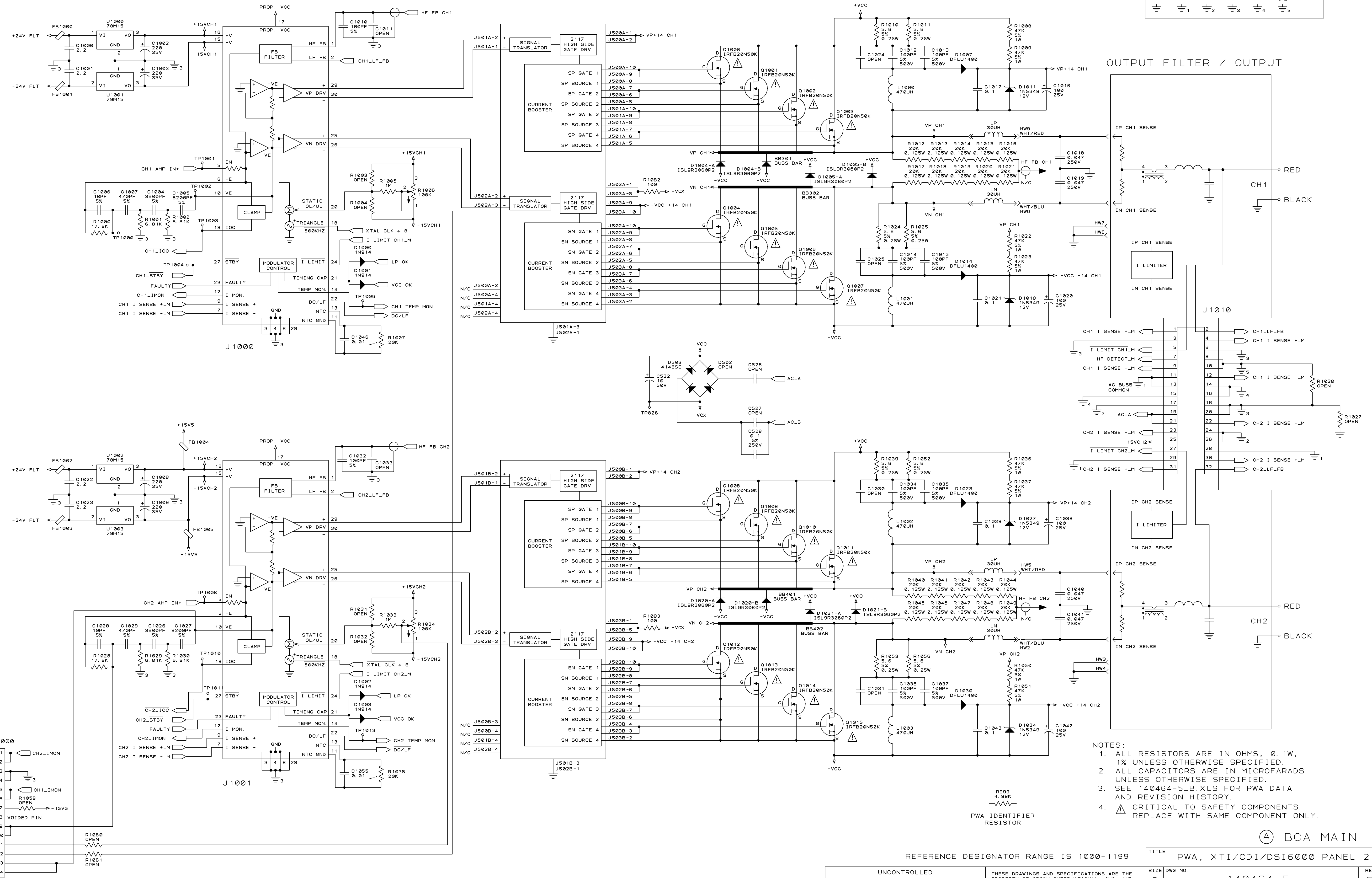
NOT POPULATED FOR XT15000



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CH	KZ	05-01-09	
PE	JF	04-15-09	
DISTRIBUTION			TITLE
K			PWA, XTI/CDI/DSI6000 PANEL 2
FILENAME			SIZE DWG NO.
			D 140464-5
			REV B
DO NOT SCALE DRAWING			SCALE NONE PROJ. NO. 600045 SHEET 1 OF 7

GROUND LABELS					
VCC GND	+24V GND	PIP DGND	SIGNAL GND	PIP AGND	MAIN BD DIGITAL GND
1	2	3	4	5	6



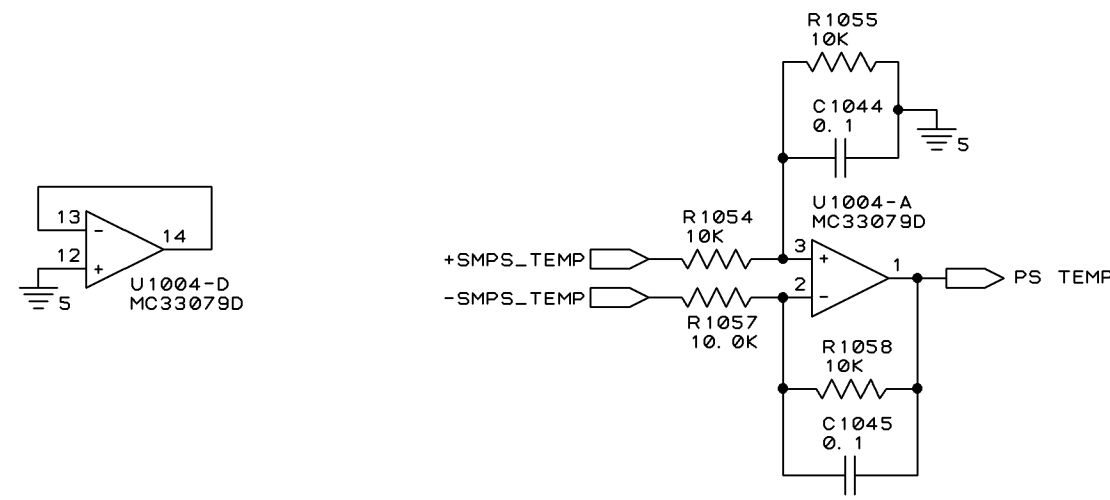
- NOTES:
1. ALL RESISTORS ARE IN OHMS. 0.1W, 1% UNLESS OTHERWISE SPECIFIED.
 2. ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
 3. SEE 140464-5_B.XLS FOR PWA DATA AND REVISION HISTORY.
 4. CRITICAL TO SAFETY COMPONENTS. REPLACE WITH SAME COMPONENT ONLY.

(A) BCA MAIN

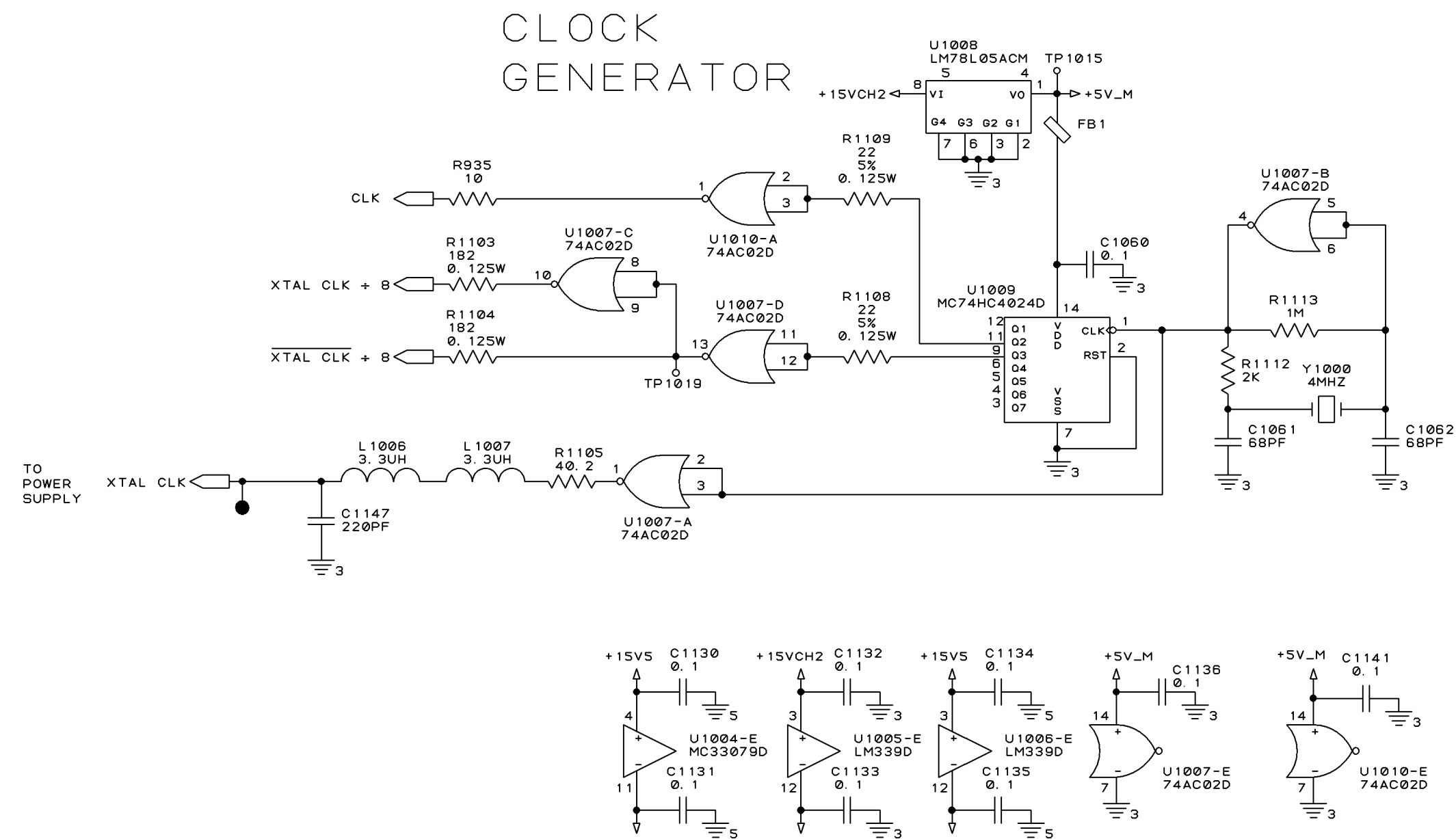
REFERENCE DESIGNATOR RANGE IS 1000-1199

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		SCALE NONE	PROJ NO. 600045	SHEET 2 OF 7	

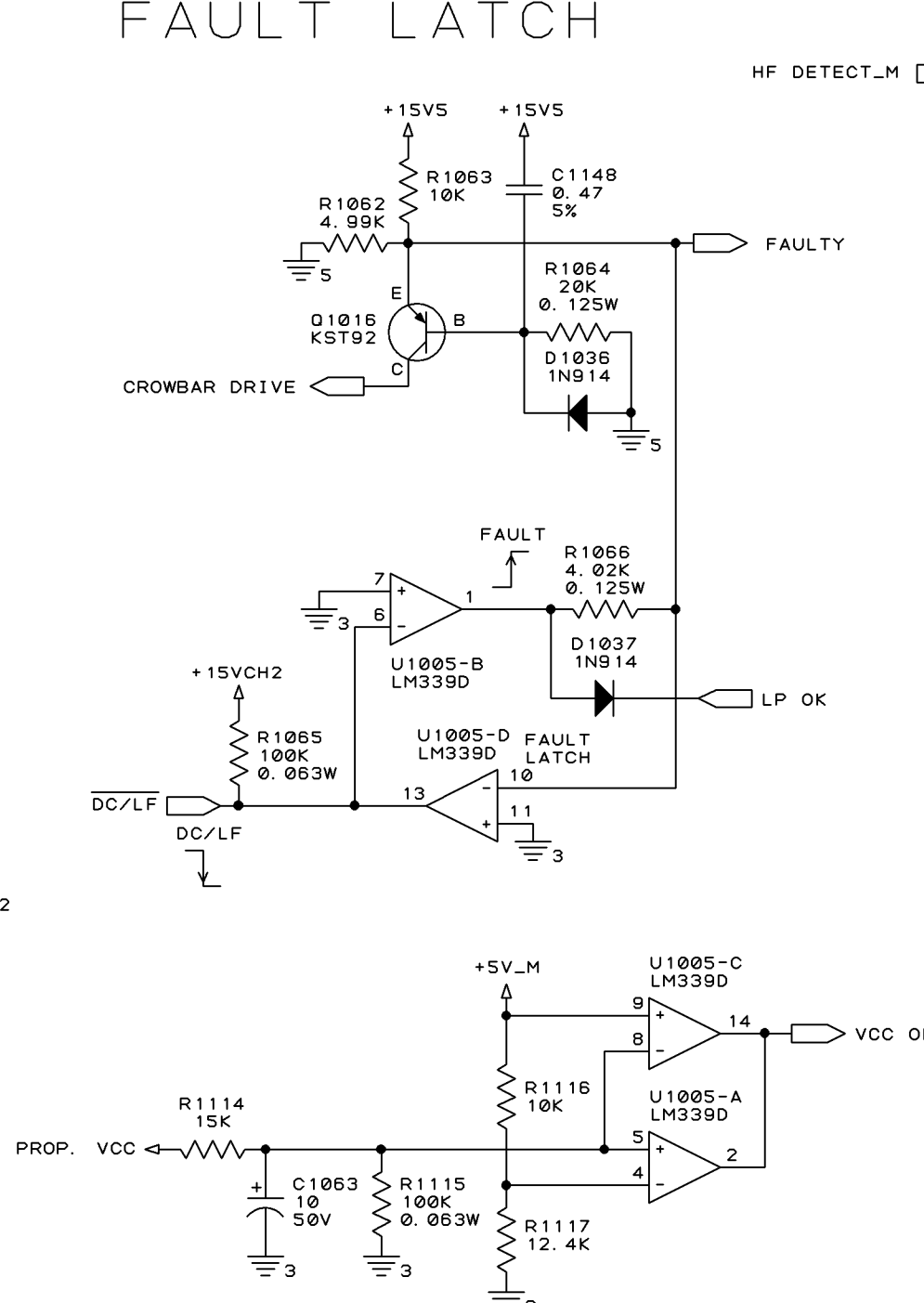
PWR SUPPLY TEMP #1



CLOCK GENERATOR

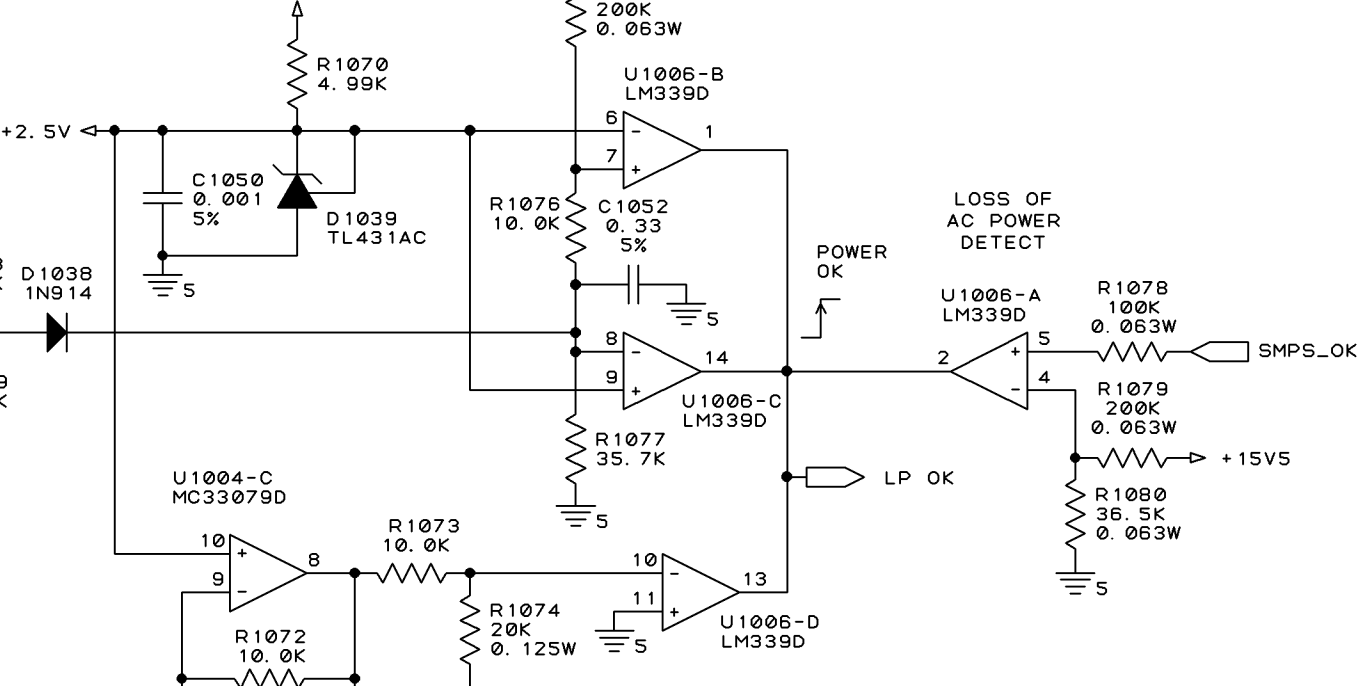


FAULT LATCH

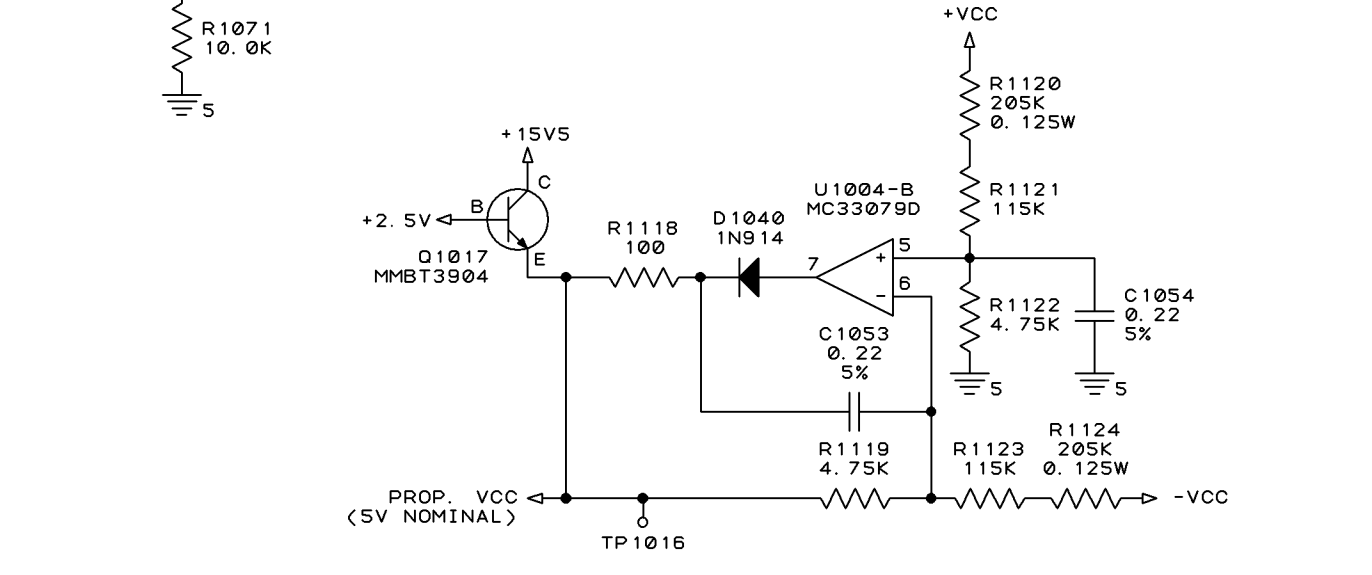


HF DETECT +15 PWR OK LOSS OF AC

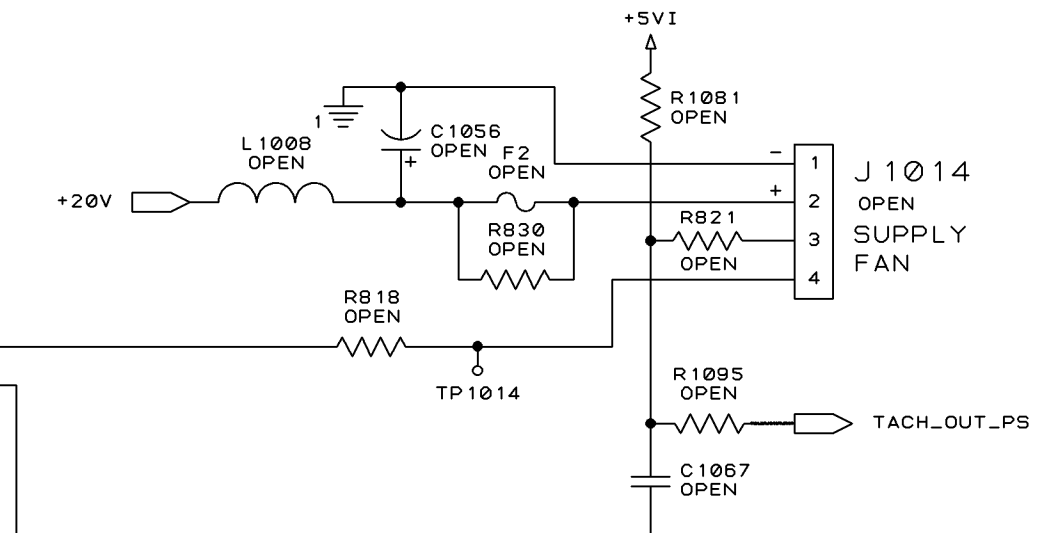
FAN DRIVER



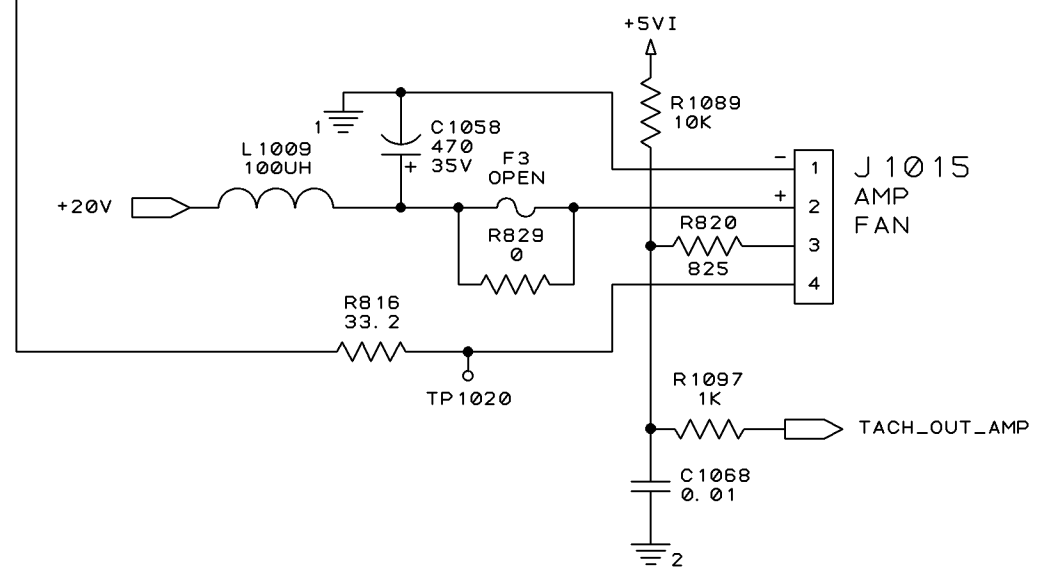
PROP. VCC



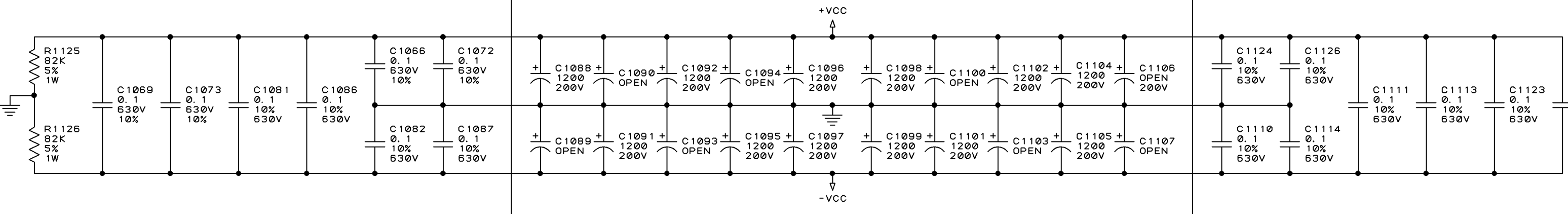
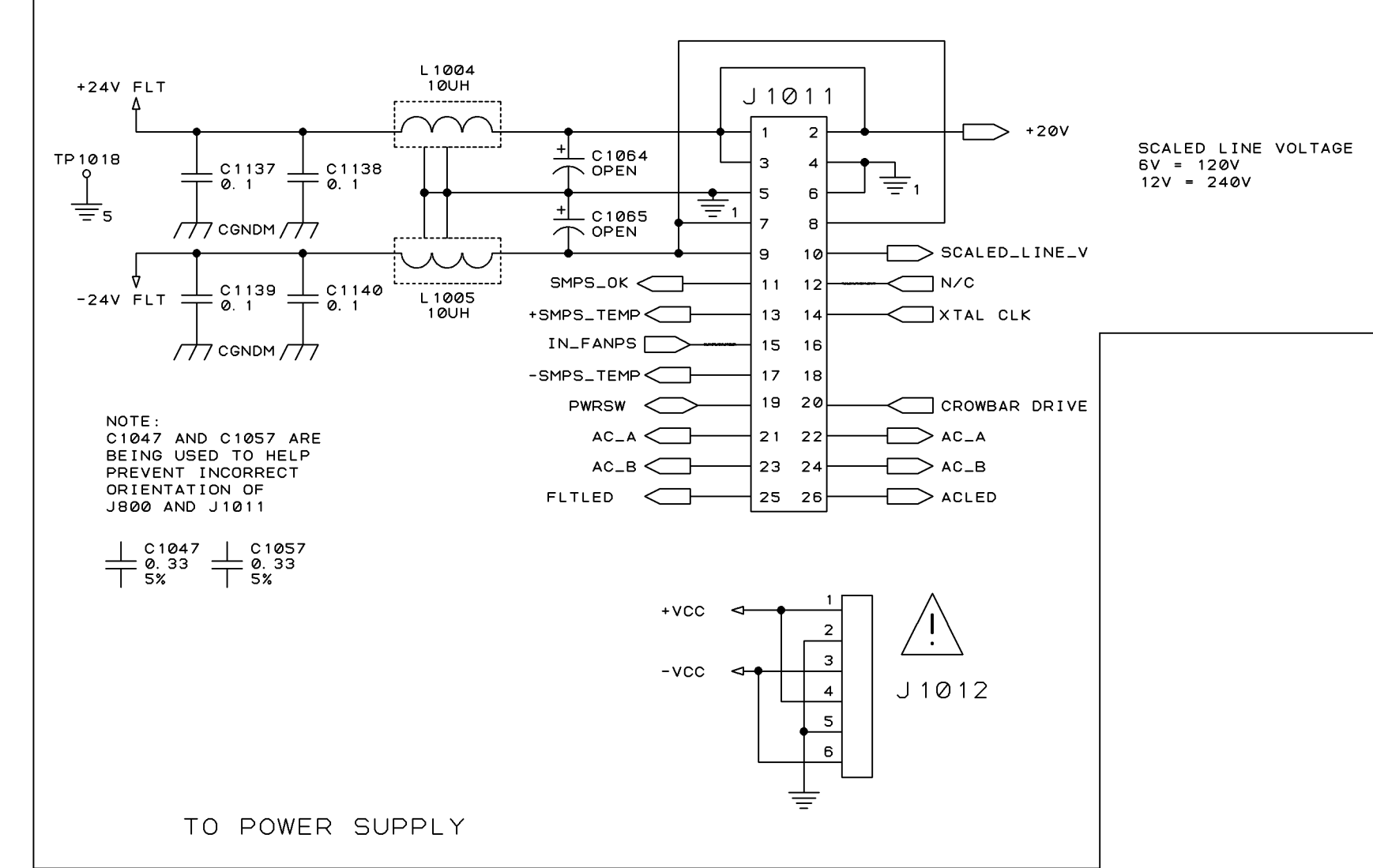
SUPPLY FAN



AMP FAN



- ≡ VCC GND
- ≡ ±24V GND
- ≡ PIP DIGITAL GND
- ≡ SIGNAL GND
- ≡ PIP ANALOG GND
- ≡ MAIN BRD DIGITAL GND
- ≡ REDUNDANT SIGNAL GND



CRITICAL TO SAFETY COMPONENTS. REPLACE WITH SAME COMPONENT ONLY.

REFERENCE DESIGNATOR RANGE IS 1000-1199

(A) BCA MAIN

TITLE PWA, XTI/CDI/DSI6000 PANEL 2

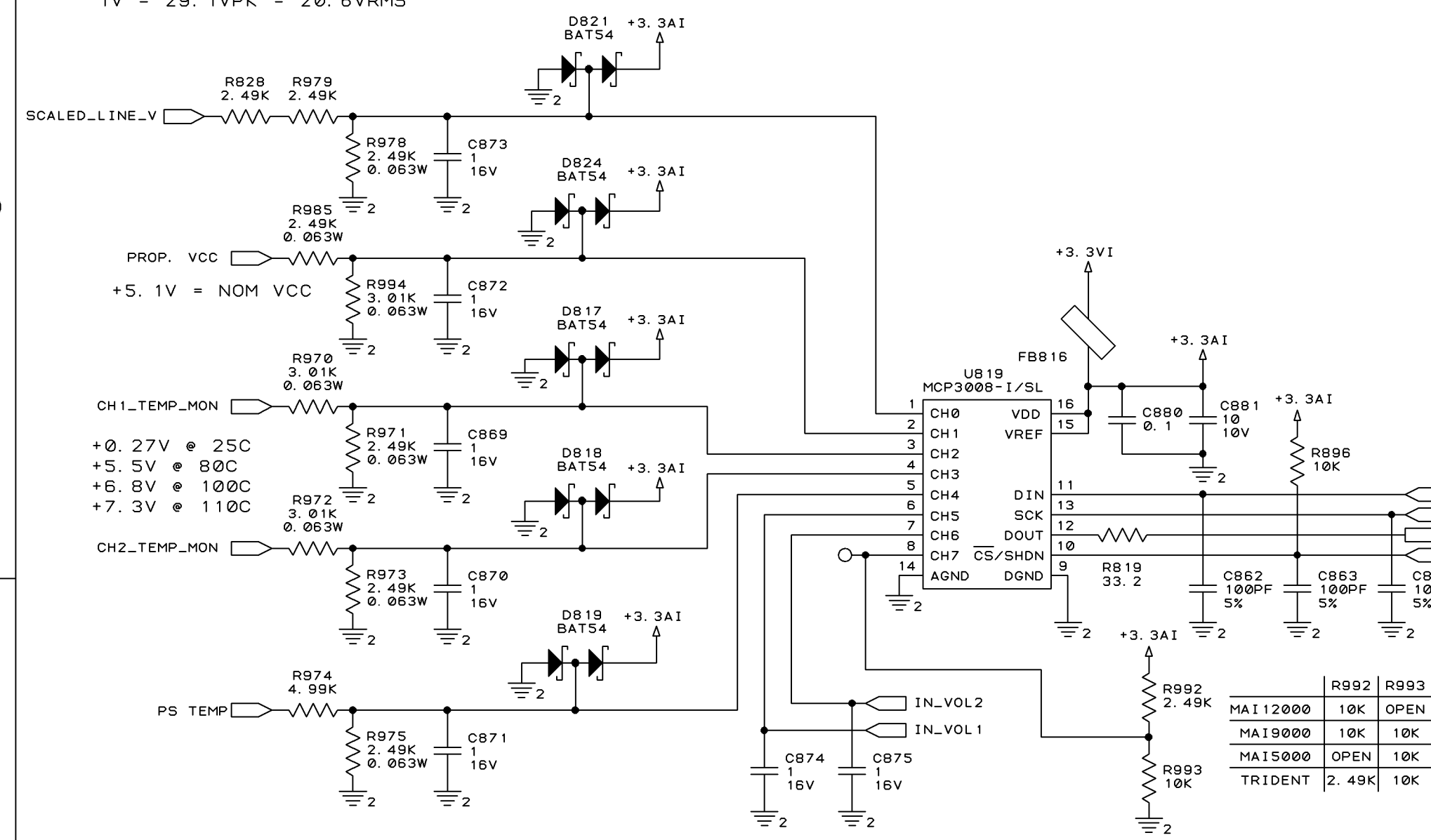
SIZE	D	DWG NO.	140464-5	REV	B
SCALE	NONE	PROJ NO.	600045	SHEET 3 OF 7	

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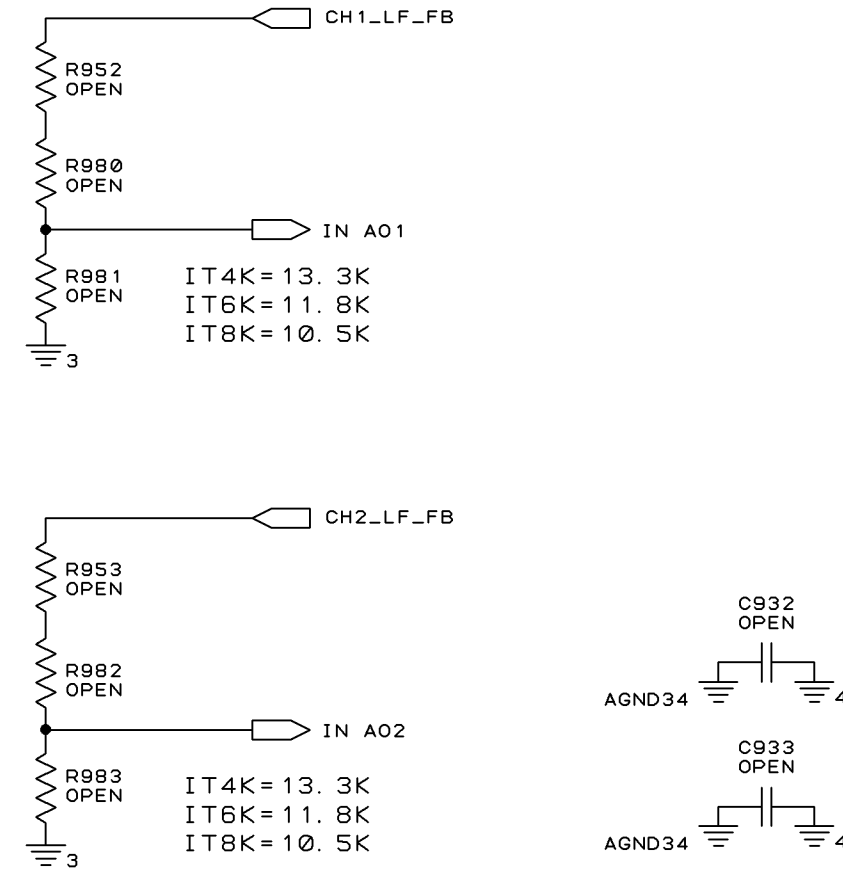
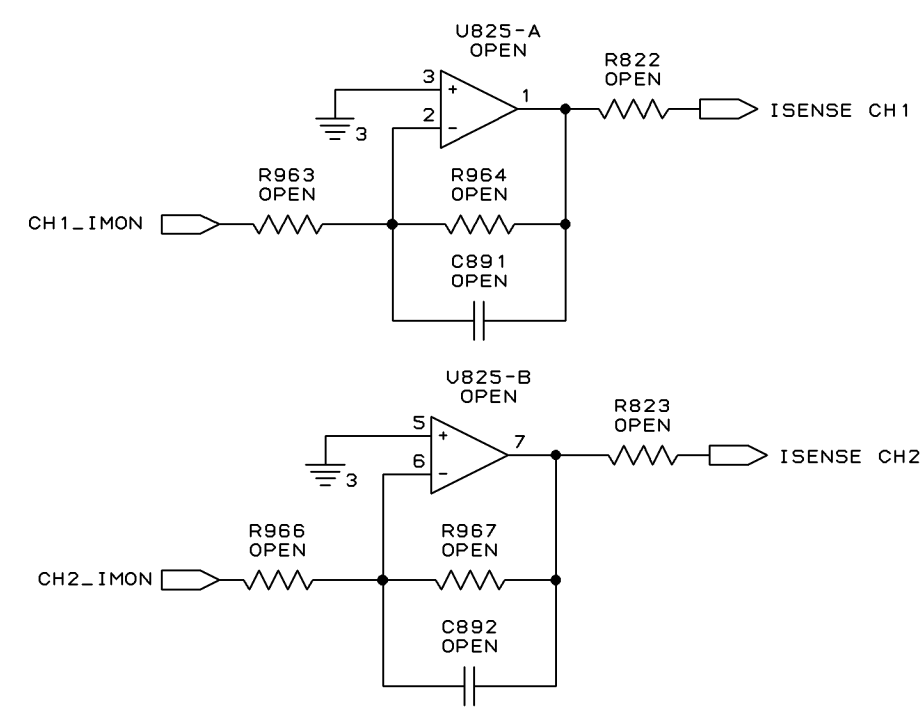
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THERMAL/LINE VOLTAGE ADC

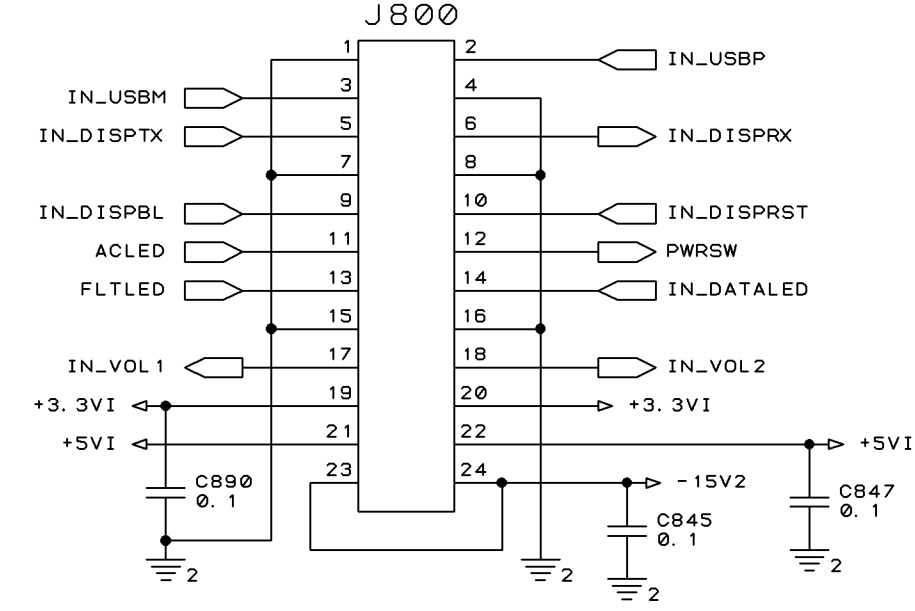
1V = 29.1VPK = 20.6VRMS



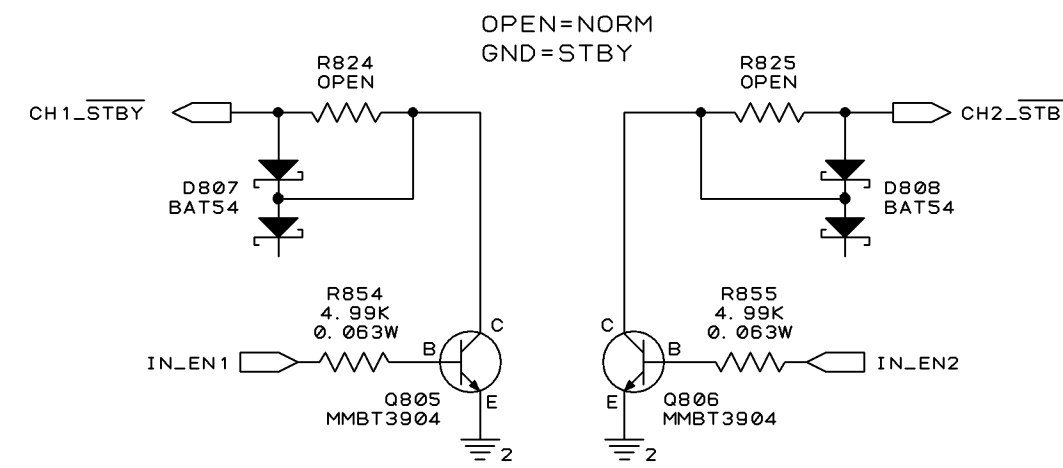
I MON BUFFER



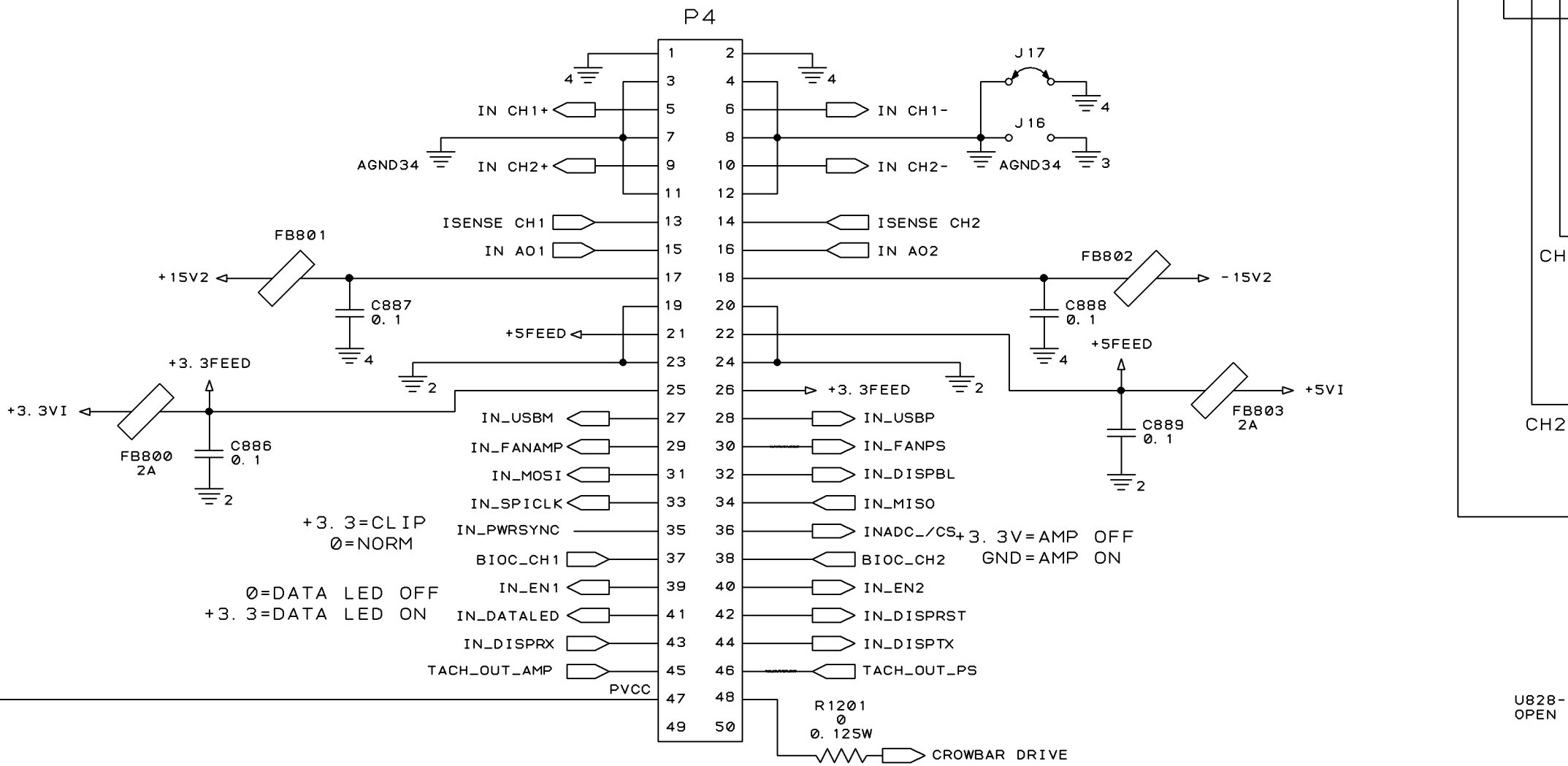
DISPLAY CONN



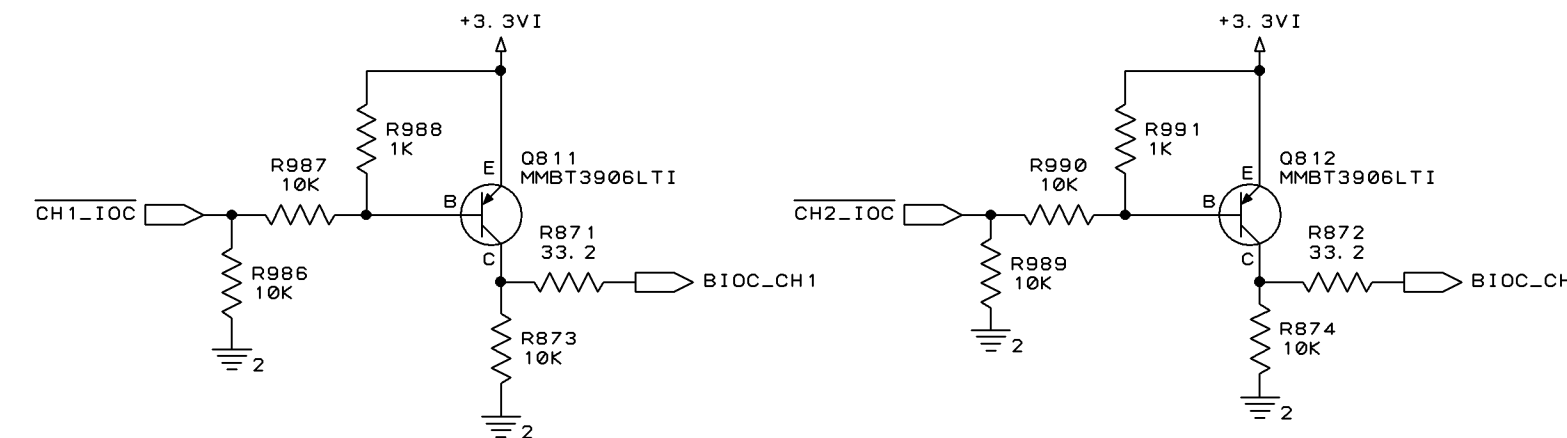
AMP ENABLE



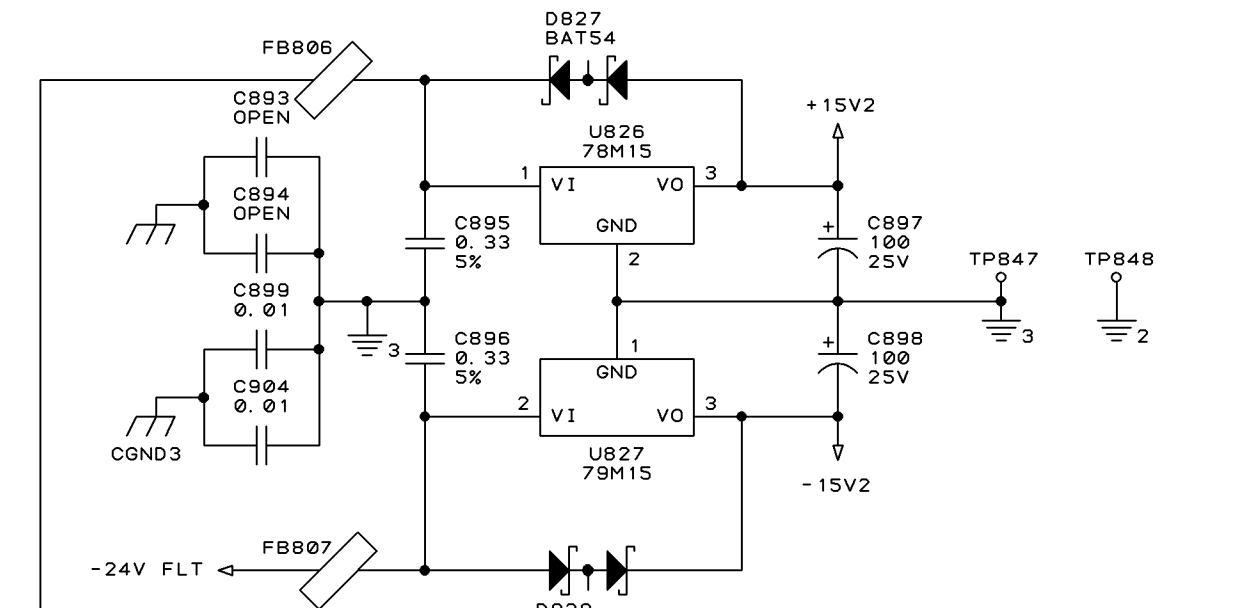
DSP CONN



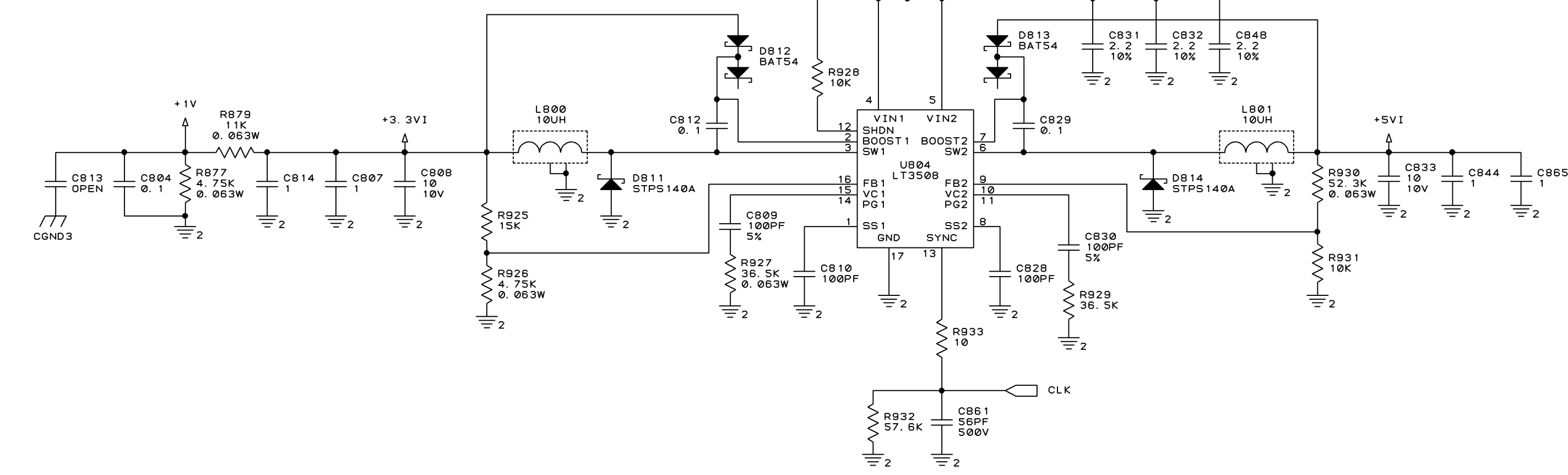
IOE LEVEL TRANSLATORS



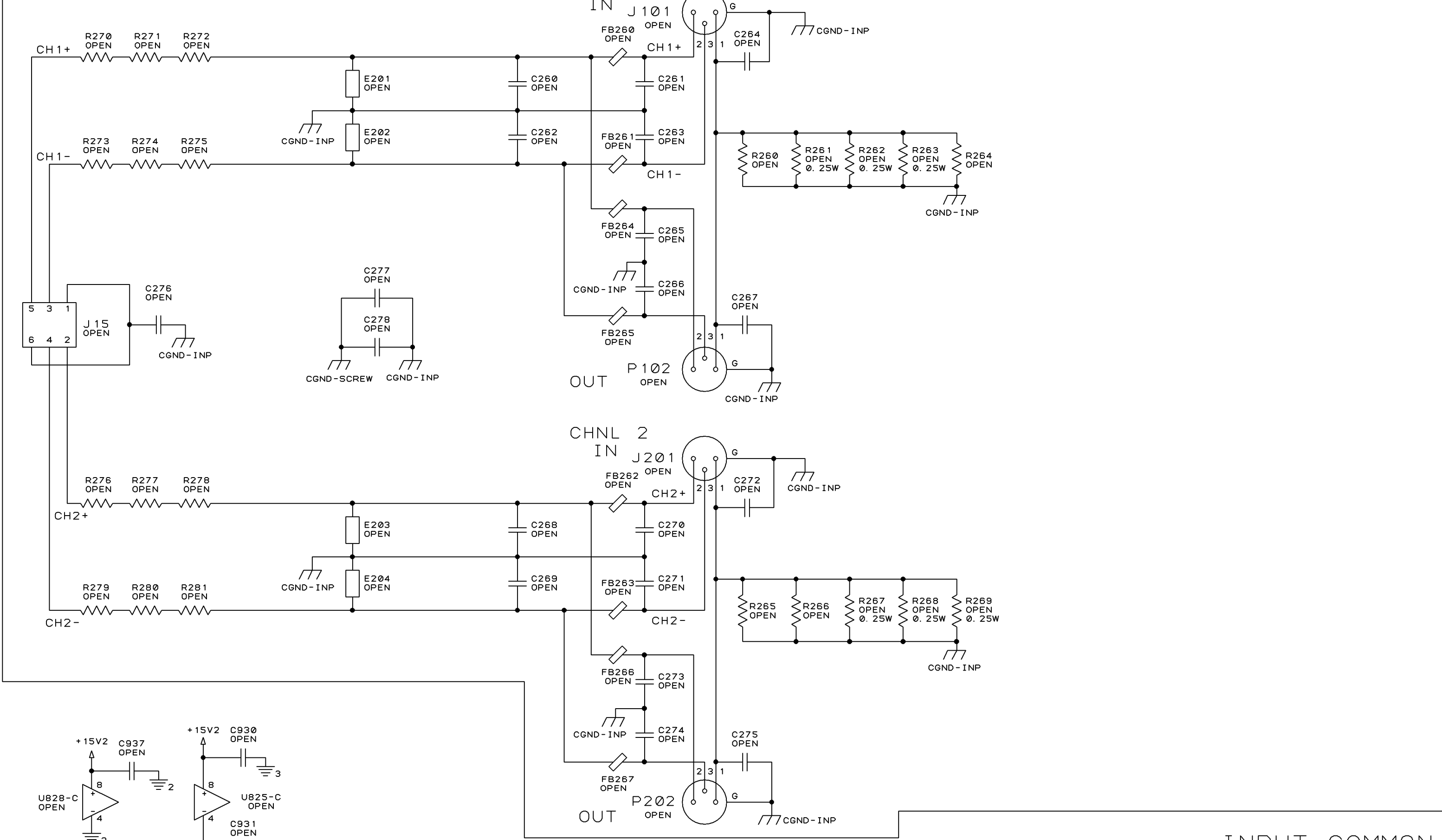
+15V/-15V POWER SUPPLY



+5V/+3.3V POWER SUPPLY



XLR BOARD



INPUT COMMON

REFERENCE DESIGNATOR RANGE IS 800-899, 900-999, 1200-ON

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TITLE	PWA, XTI/CDI/DSI6000 PANEL 2	
SIZE	DWG NO.	REV
D	140464-5	B
SCALE	PROJ NO.	SHEET
NONE	600045	4 OF 7

D

C

B

A

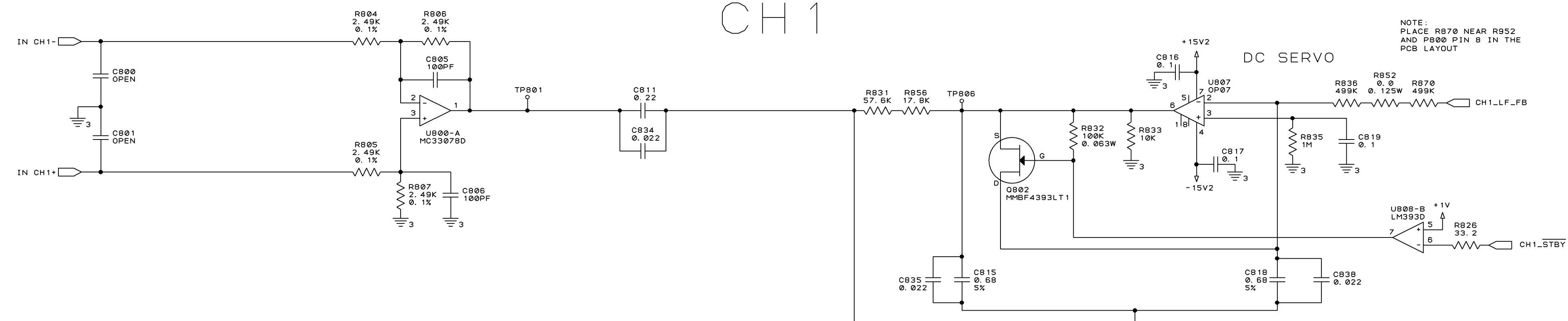
D

C

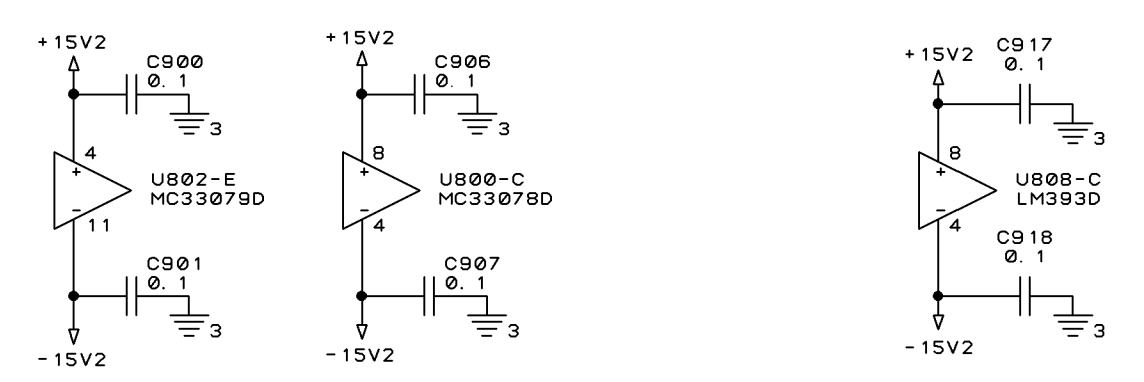
B

A

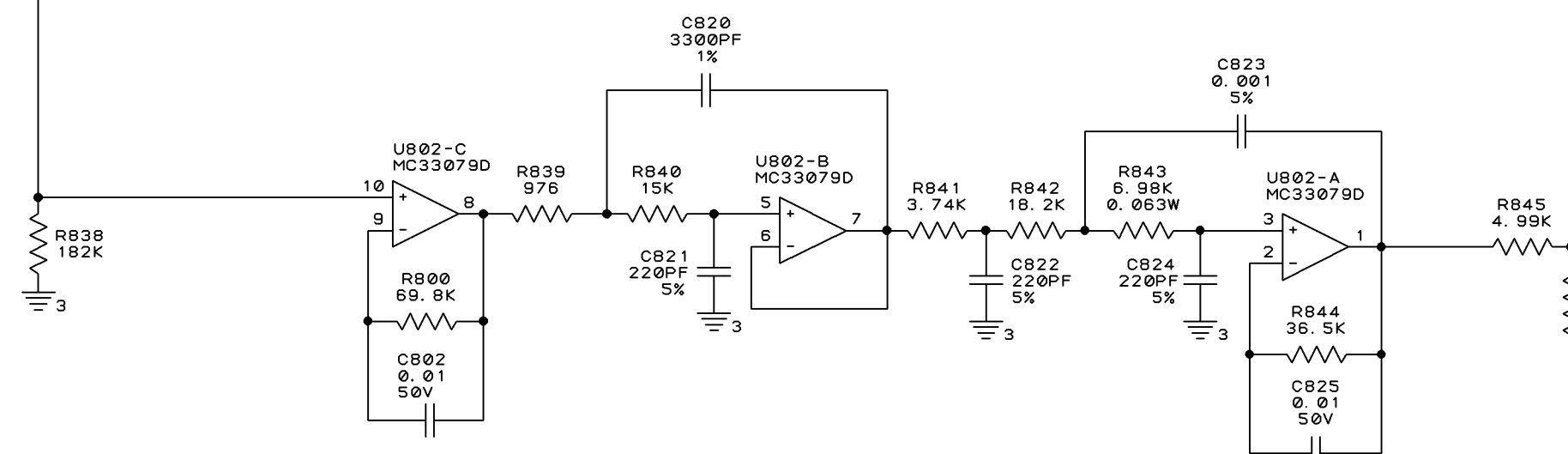
CH 1



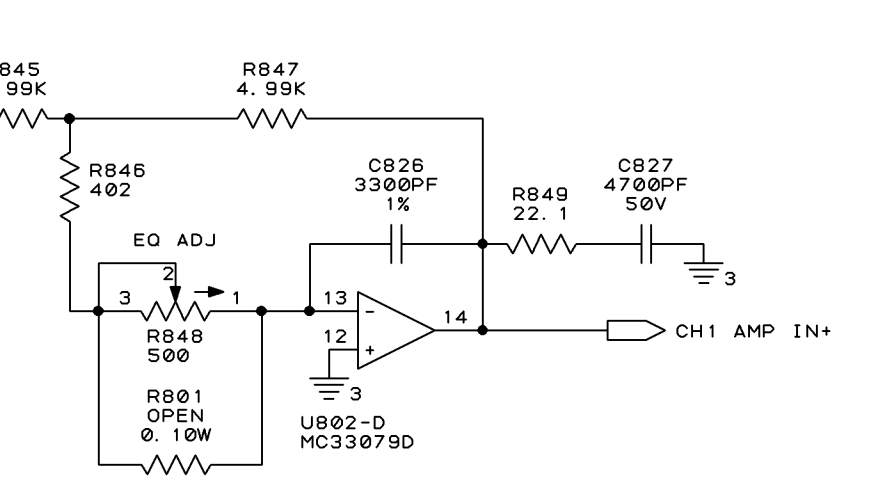
NOTE:
PLACE R870 NEAR R952
AND P800 PIN 8 IN THE
PCB LAYOUT



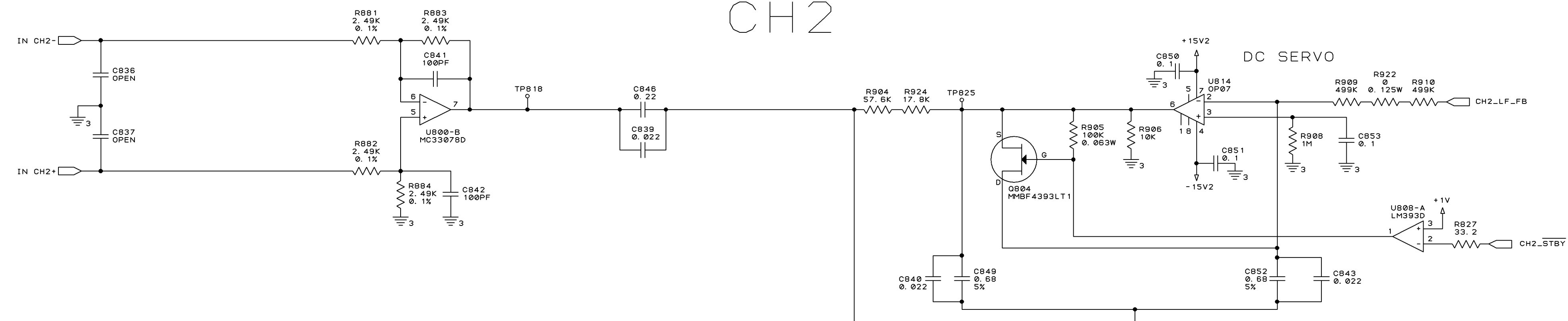
6TH ORDER LP



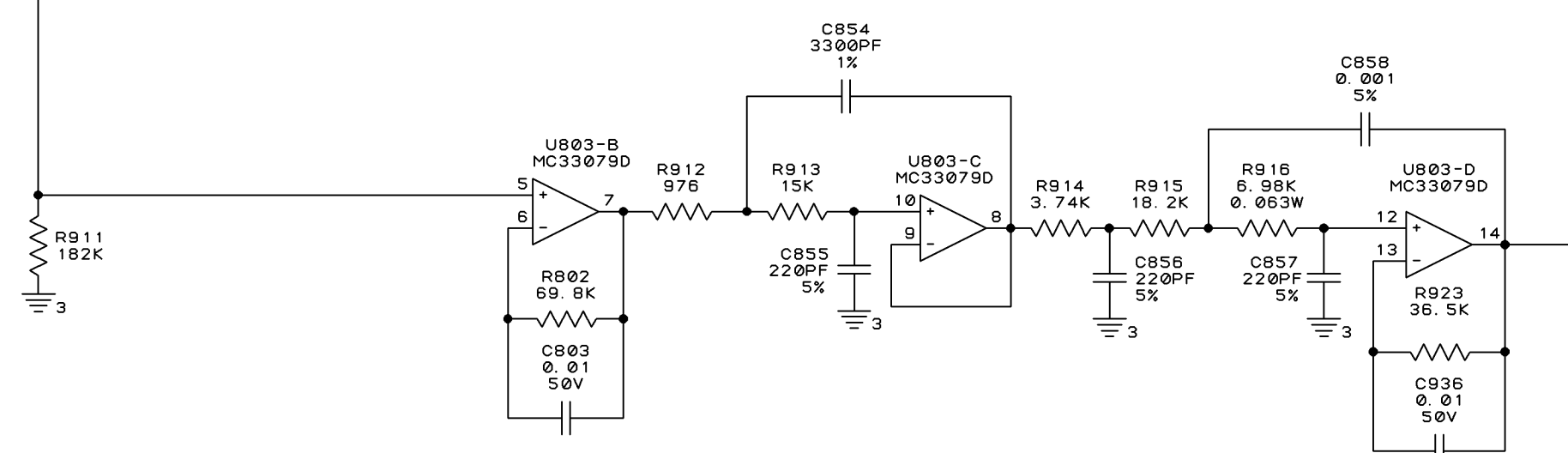
RESPONSE EQ



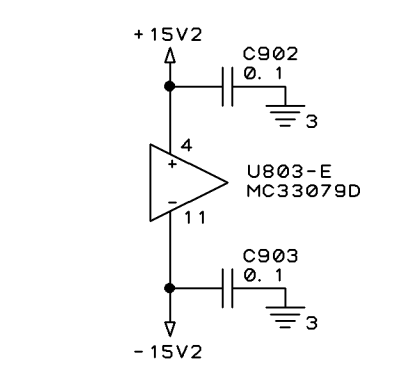
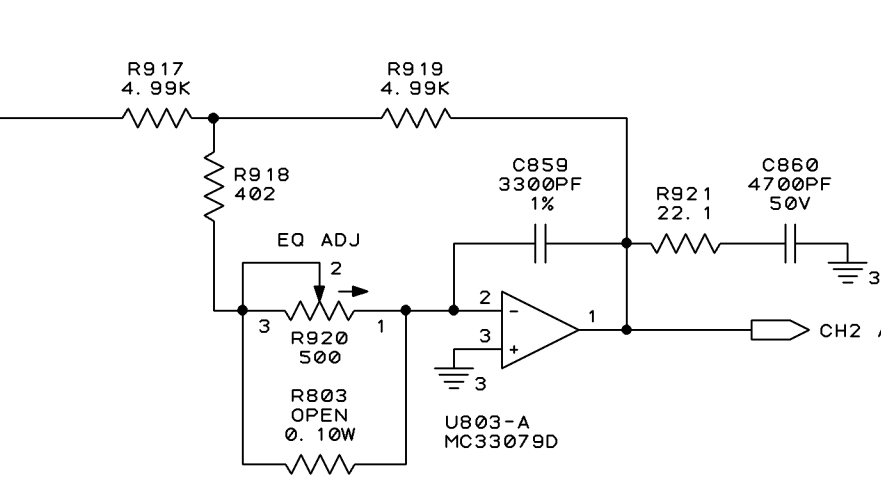
CH 2



6TH ORDER LP



RESPONSE EQ



INPUT

REFERENCE DESIGNATOR RANGE IS 800-899, 900-999, 1200-ON

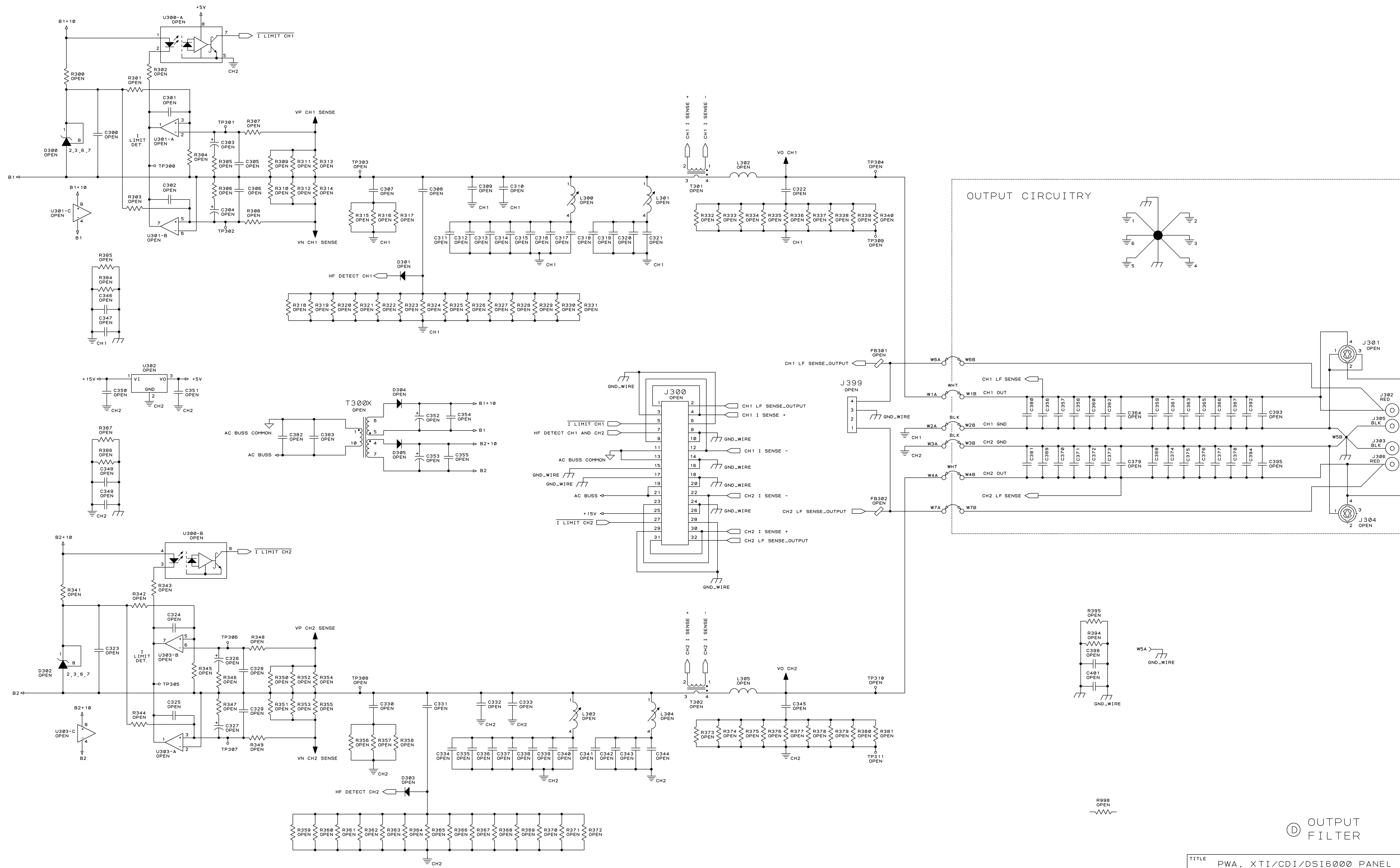
TITLE PWA, XTI/CDI/DSI6000 PANEL 2

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SIZE	DWG NO.	REV
D	140464-5	B
SCALE	PROJ NO.	SHEET
NONE	600045	5 OF 7

OUTPUT FILTER CIRCUITRY



OUTPUT CIRCUITRY

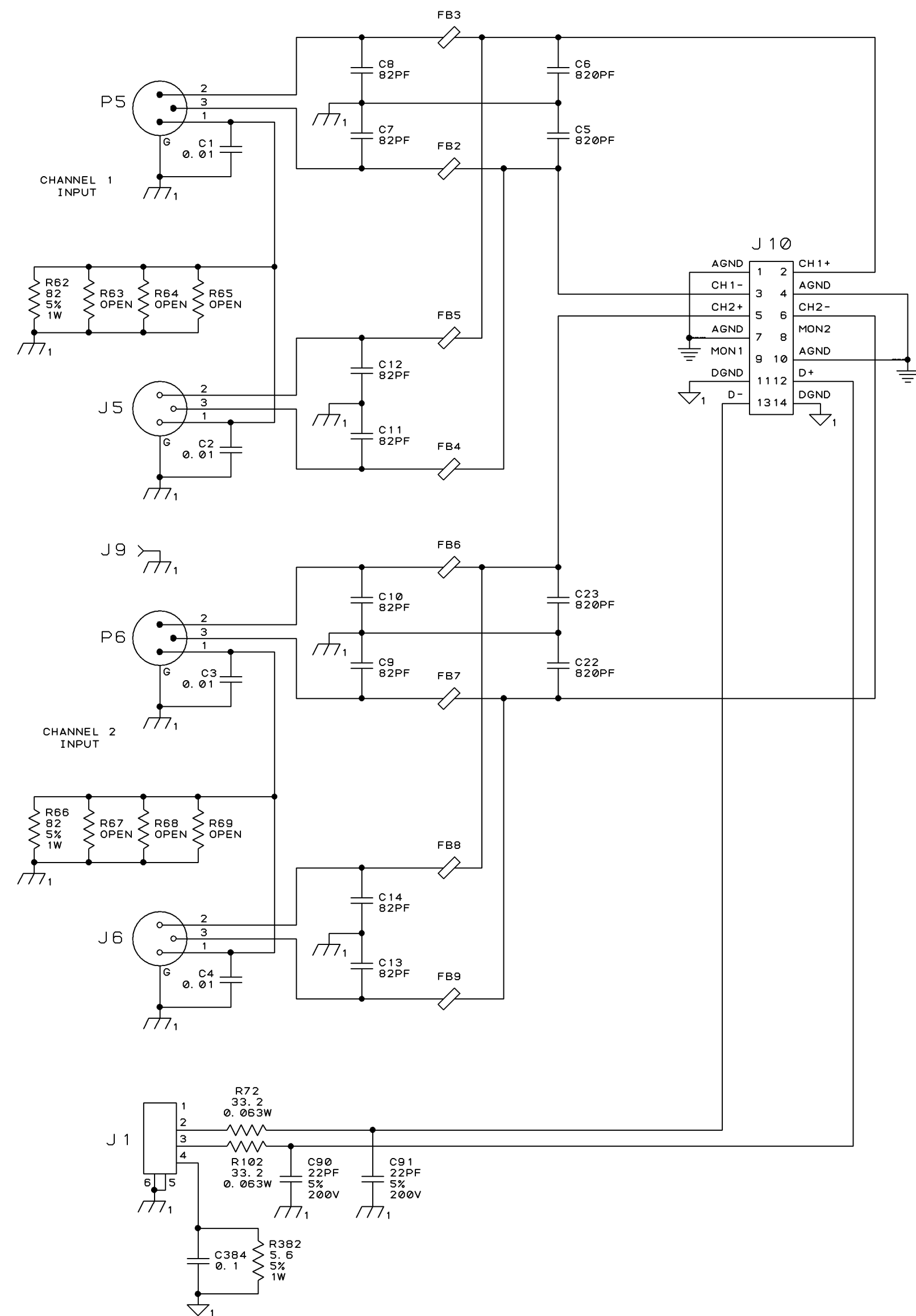
OUTPUT FILTER

TITLE PWA, XTI/CDI/DSI6000 PANEL 2			
SIZE D	DWG NO. 140464-5	REV B	
SCALE NONE	PROJ NO. 600045	SHEET 6 OF 7	

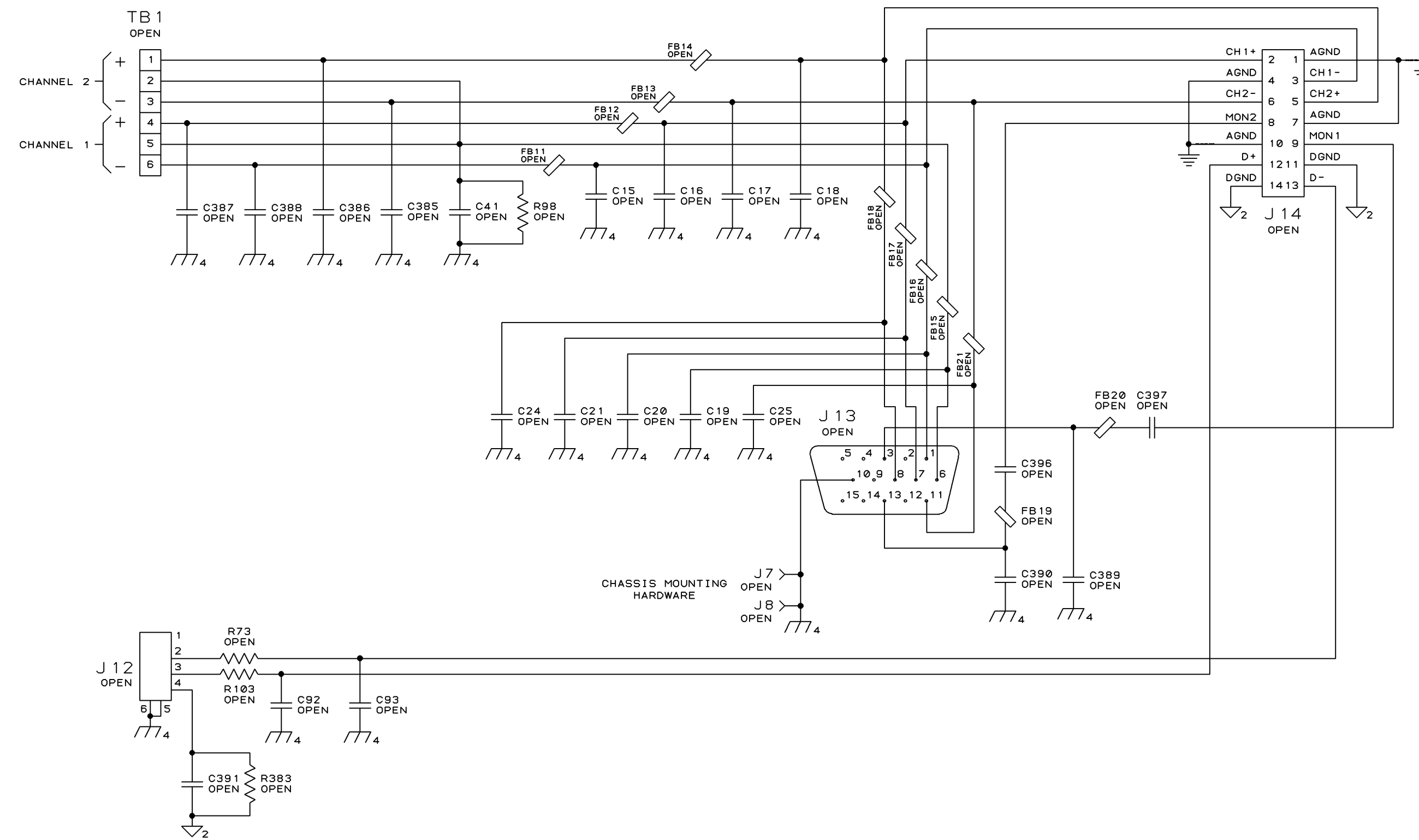
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XTI INPUT BOARD (B)



CDI AND DSI INPUT BOARD (C)



TITLE PWA, XTI/CDI/DSI6000 PANEL 2			
SIZE D	DWG NO. 140464-5	REV B	
SCALE NONE	PROJ NO. 600045	SHEET 7 OF 7	

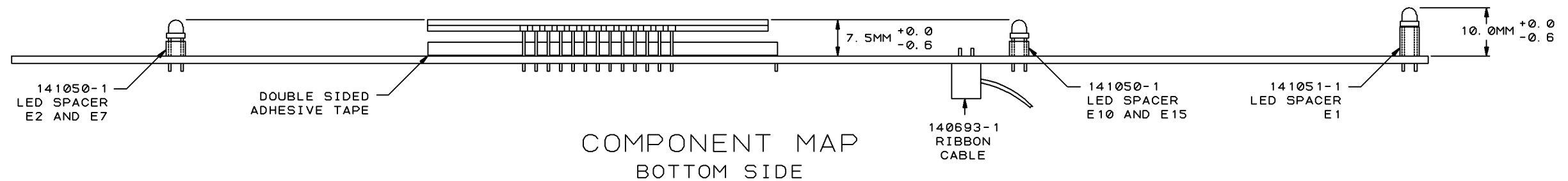
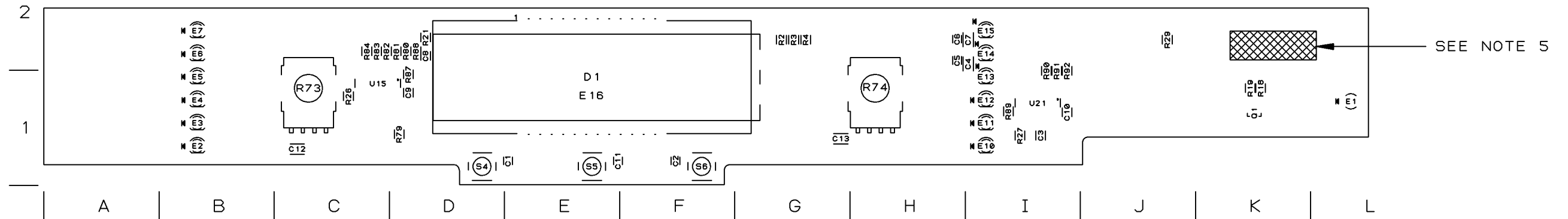
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REVISION HISTORY

E. C. N.	ZONE	REV	DESCRIPTION	DATE	APPROVED		
					DWN	CM	PE
		A	INITIAL RELEASE DERIVED FROM 140582-2 REV. 2 WITH THE FOLLOWING CHANGES: REDUCED COPPER AROUND SWITCHES. REDUCED VIAS UNDER DISPLAY.	01-19-09	KLW	KZ	TJS

COMPONENT MAP
TOP SIDE



COMPONENT MAP
BOTTOM SIDE



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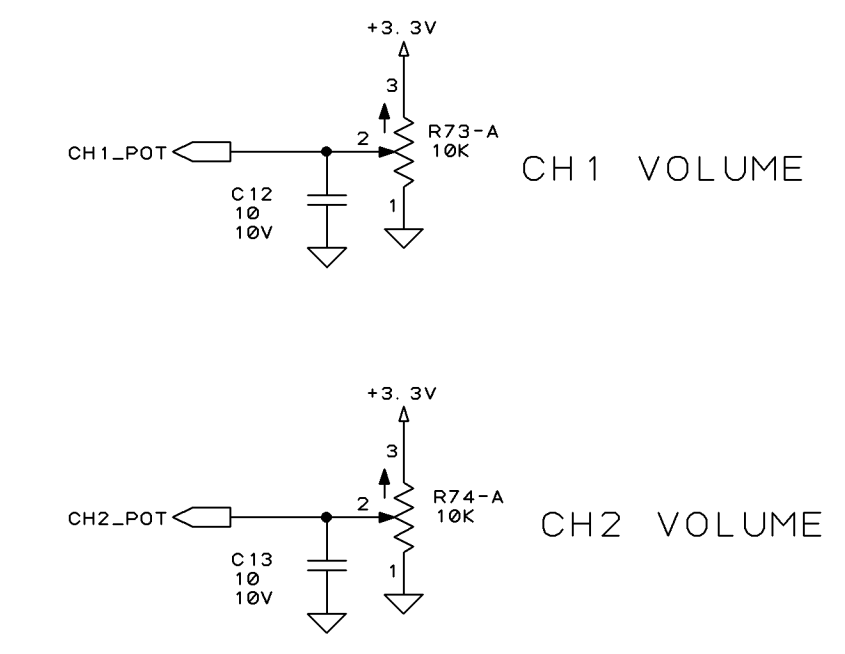
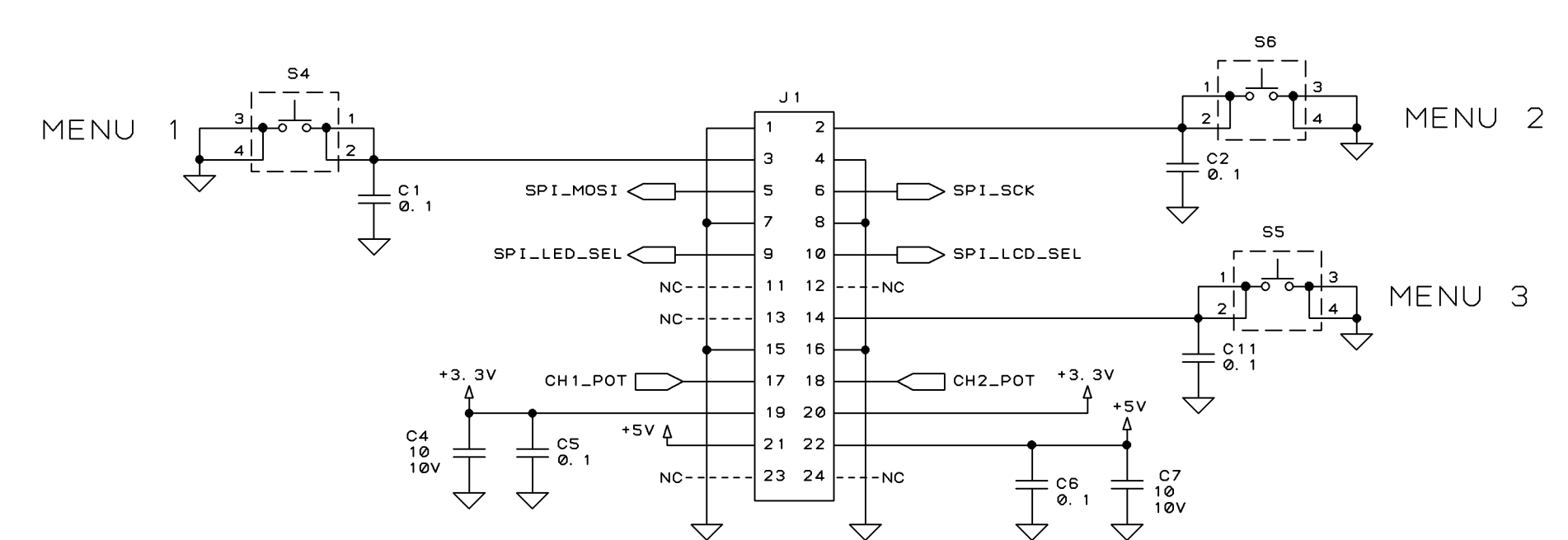
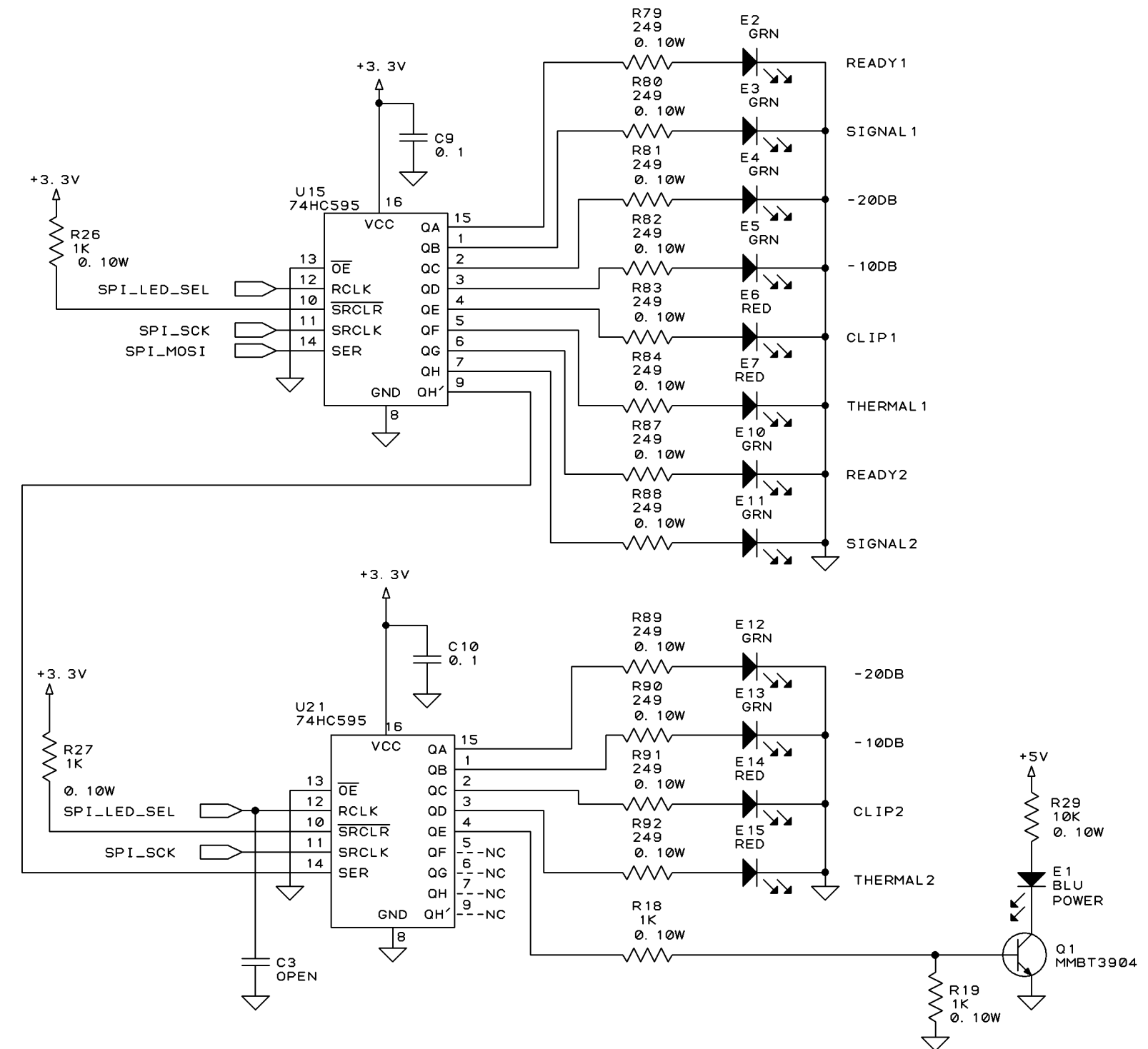
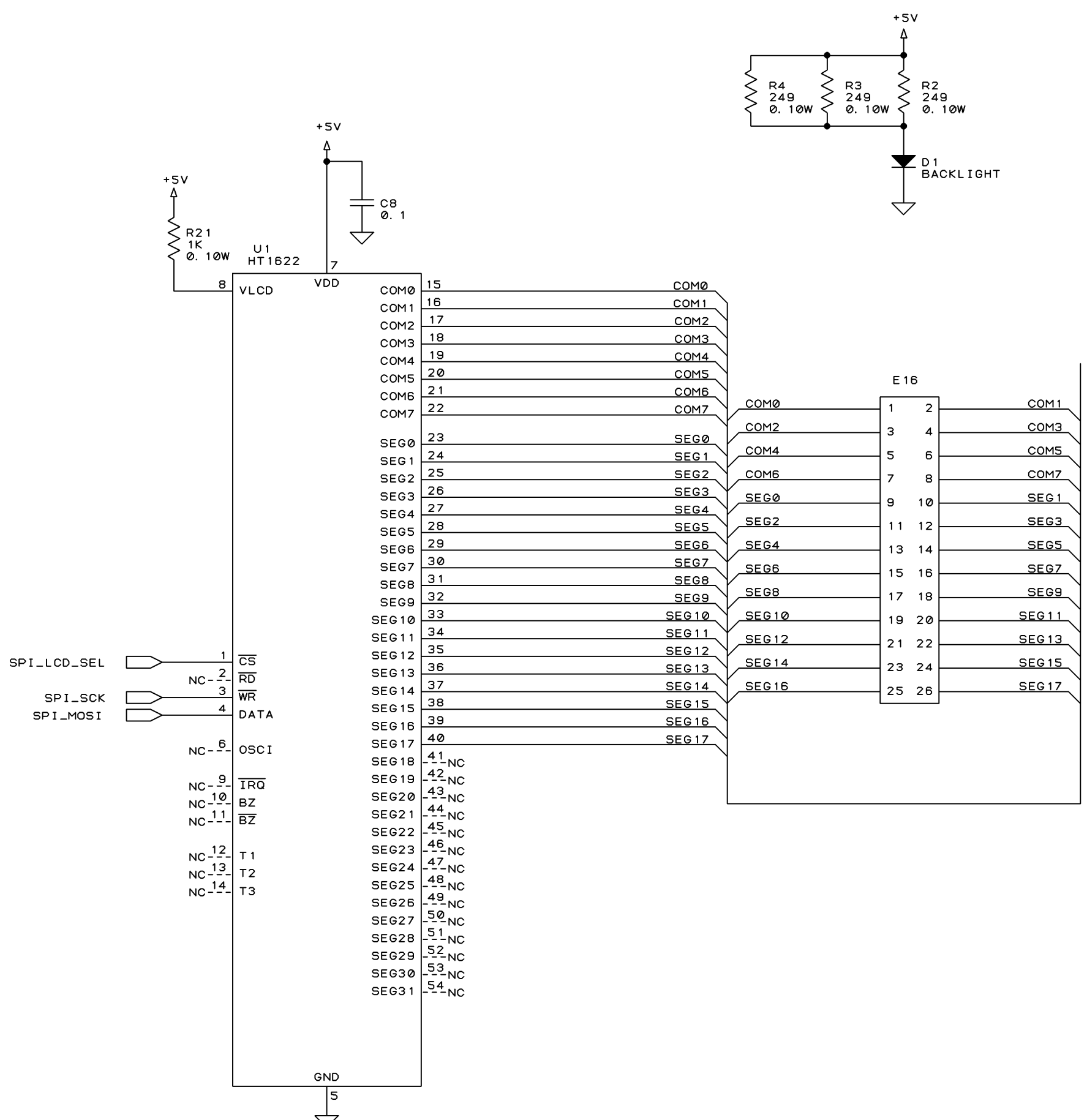
DISTRIBUTION	DWN	KLW	01-19-09
A	CM	KZ	1/23/09
FILENAME	PE	TJS	01-19-09
140582-3_A_01.PCB			
TOLERANCE UNLESS OTHERWISE SPECIFIED			
.00 = ±.02"			
.000 = ±.010"			
DRILLS = ±.003"			
DO NOT SCALE DRAWING			

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1718 WEST MISHAWAKA RD. ELKHART IN, 46517
PHONE 574-294-8000
WWW.CROWNAUDIO.COM

TITLE
*PWA, XTI6000 DISPLAY

SIZE B DWG NO. 140582-3 REV A

SCALE NONE PROJ NO. 600045 SHEET 1 OF 2

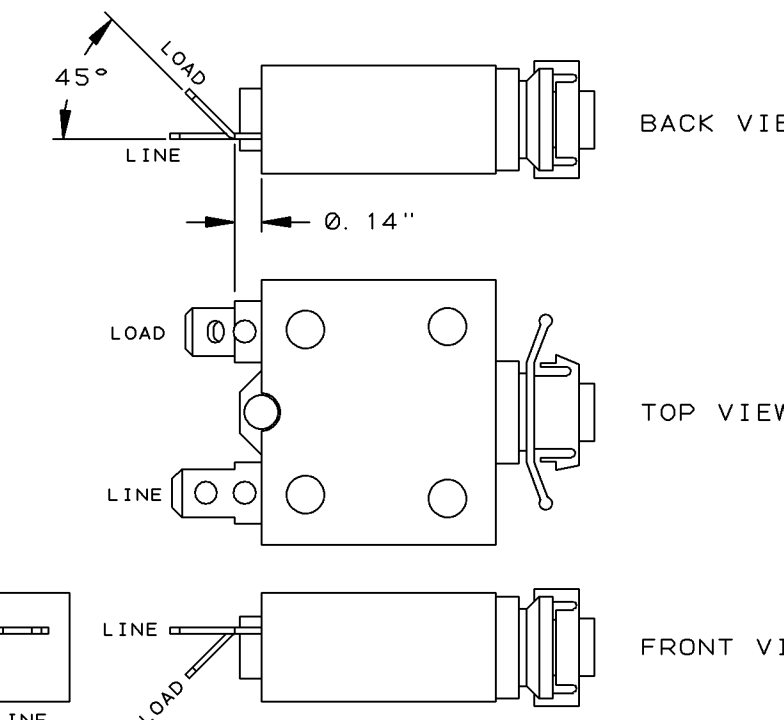
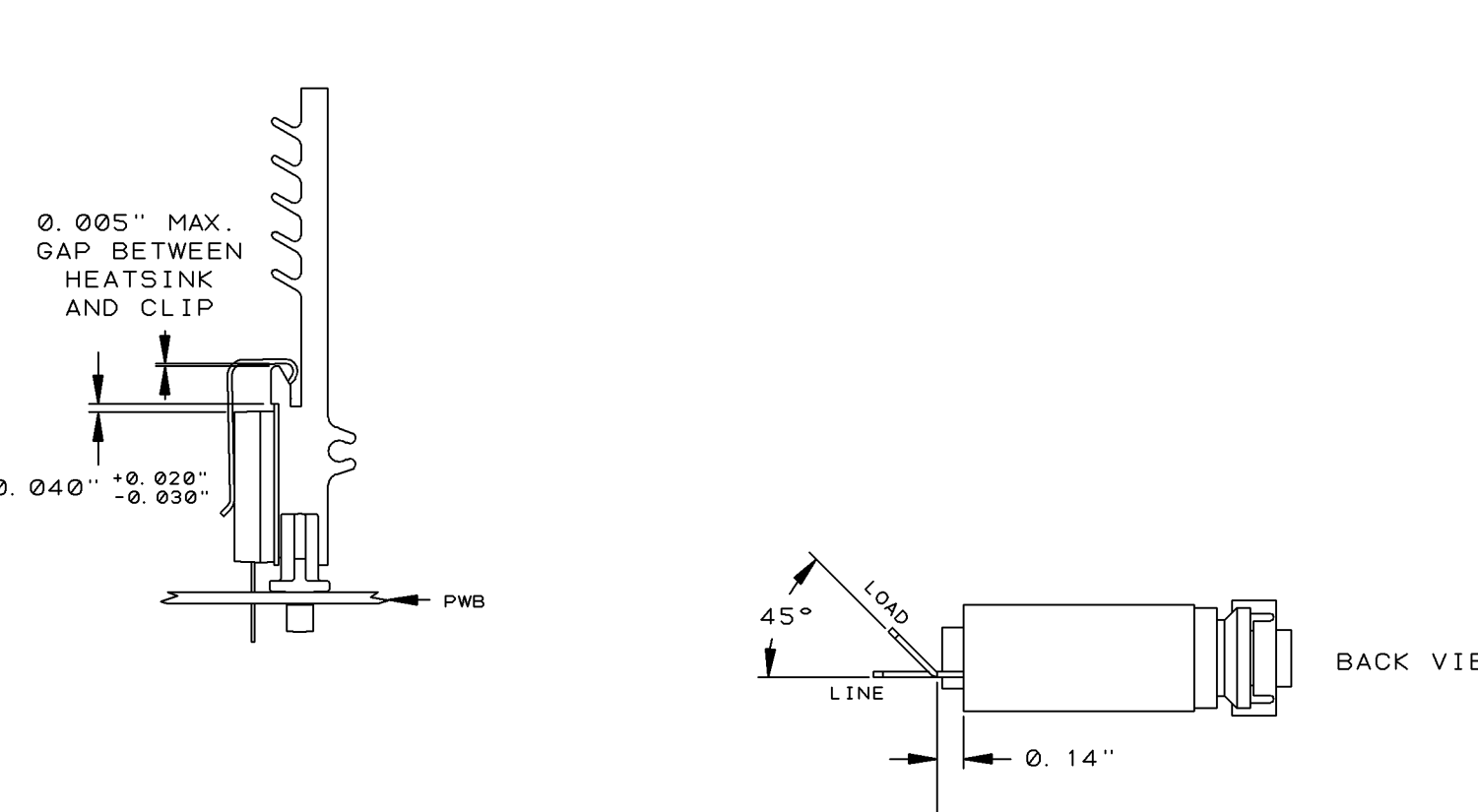
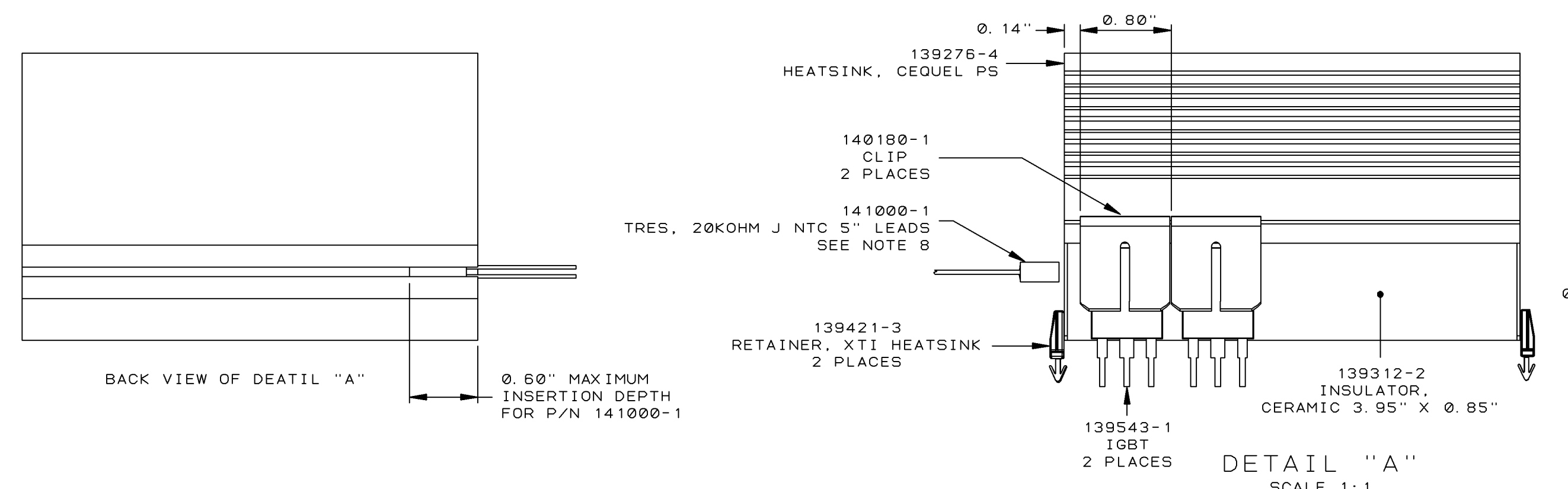


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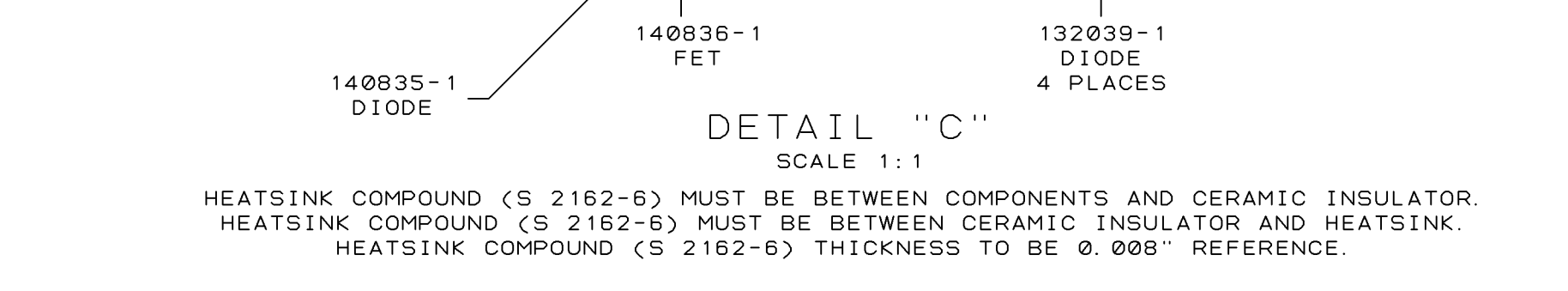
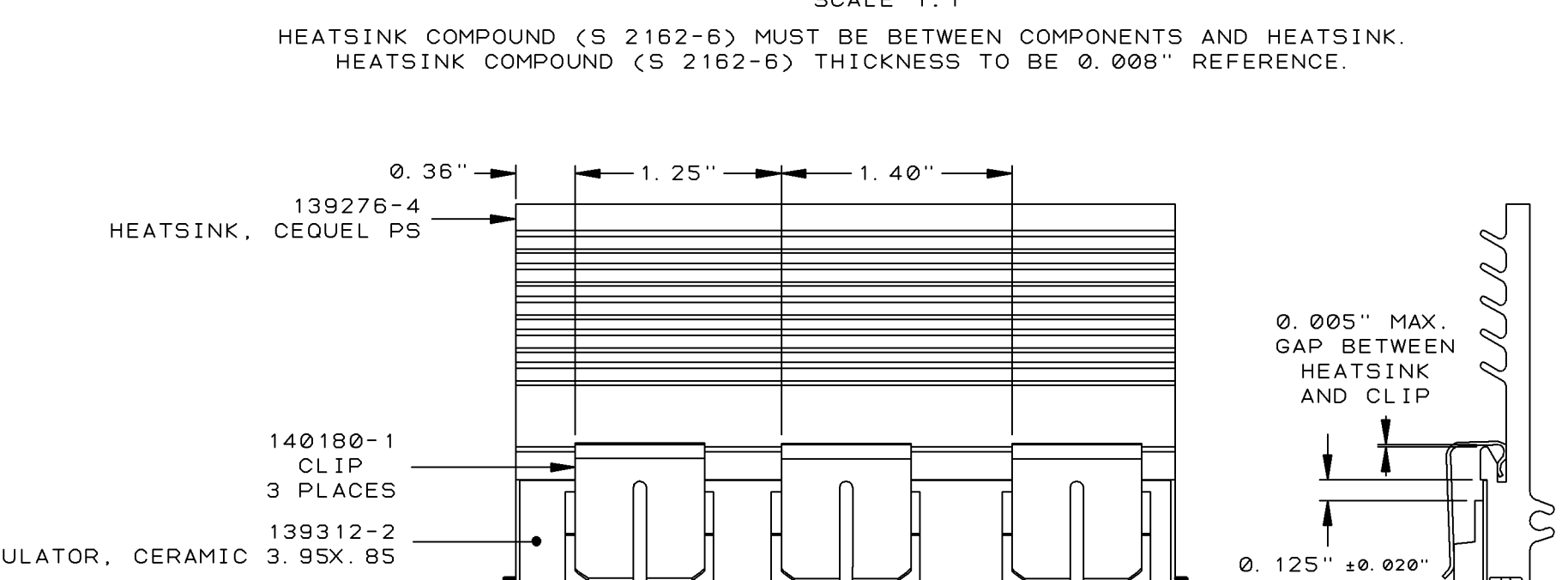
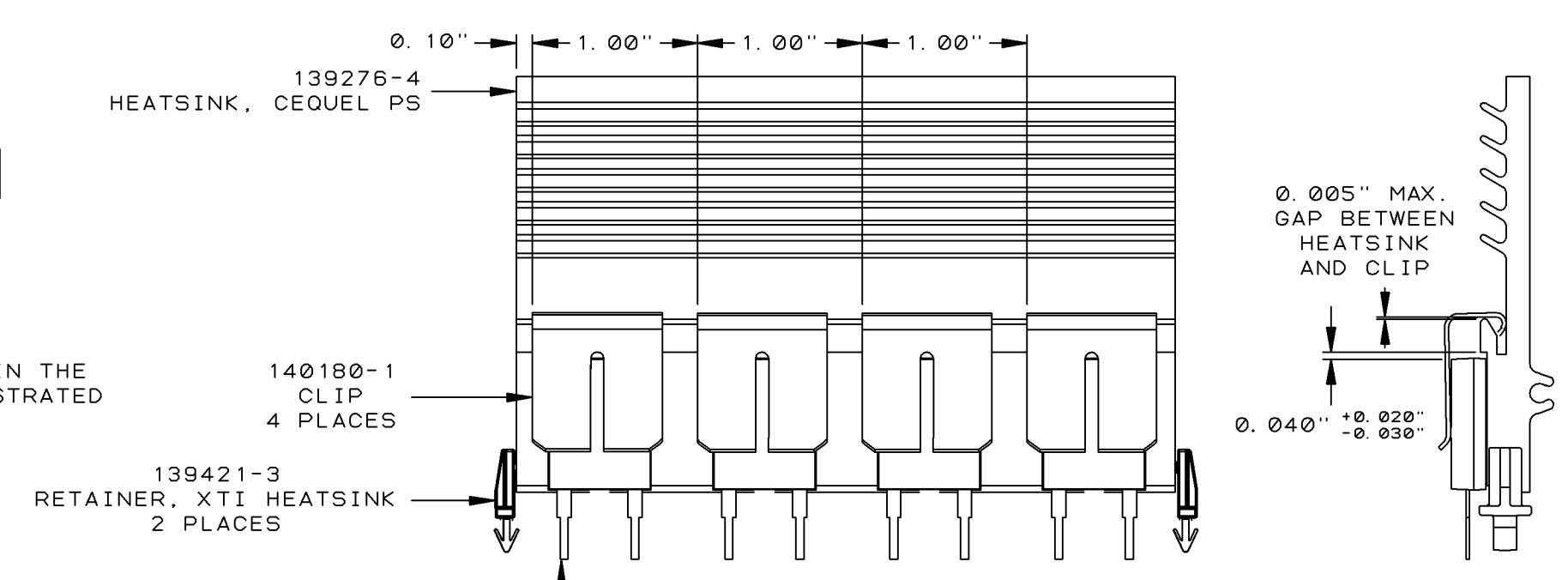
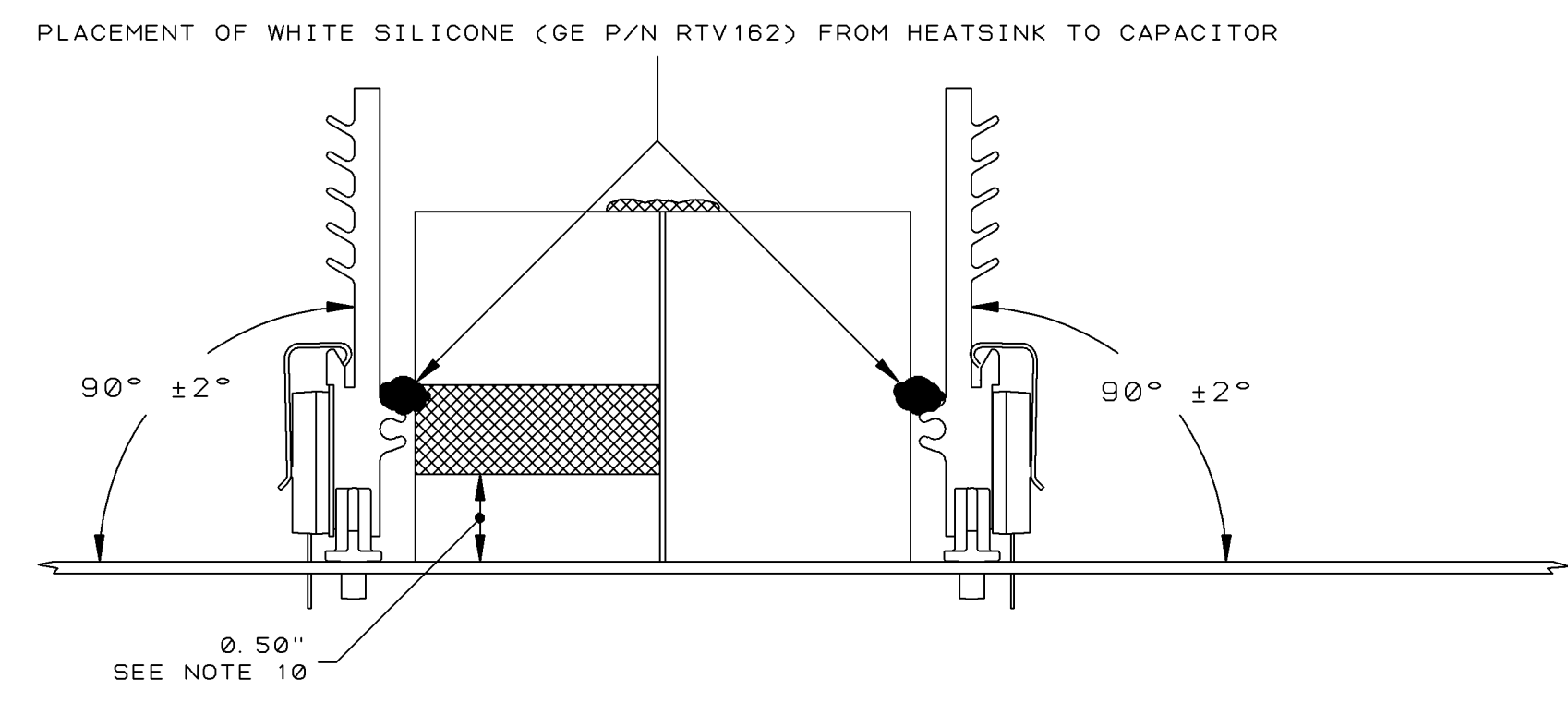
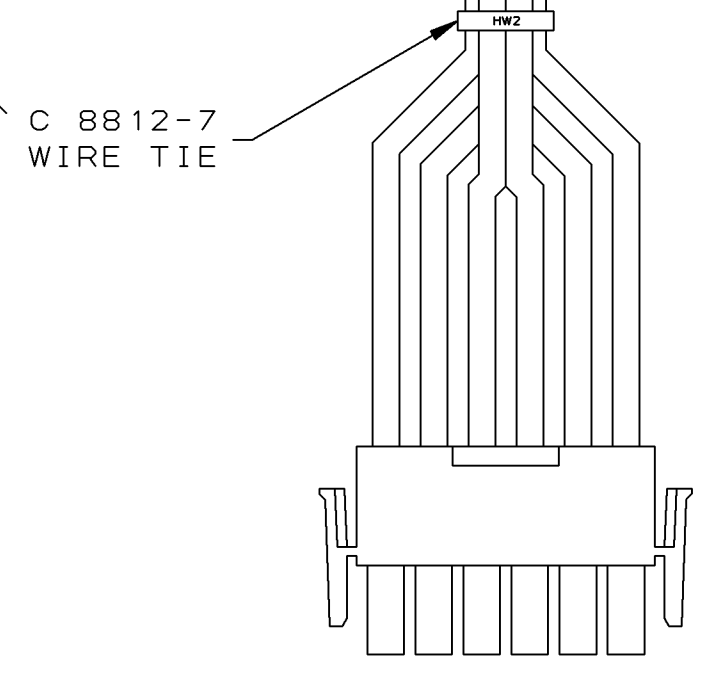
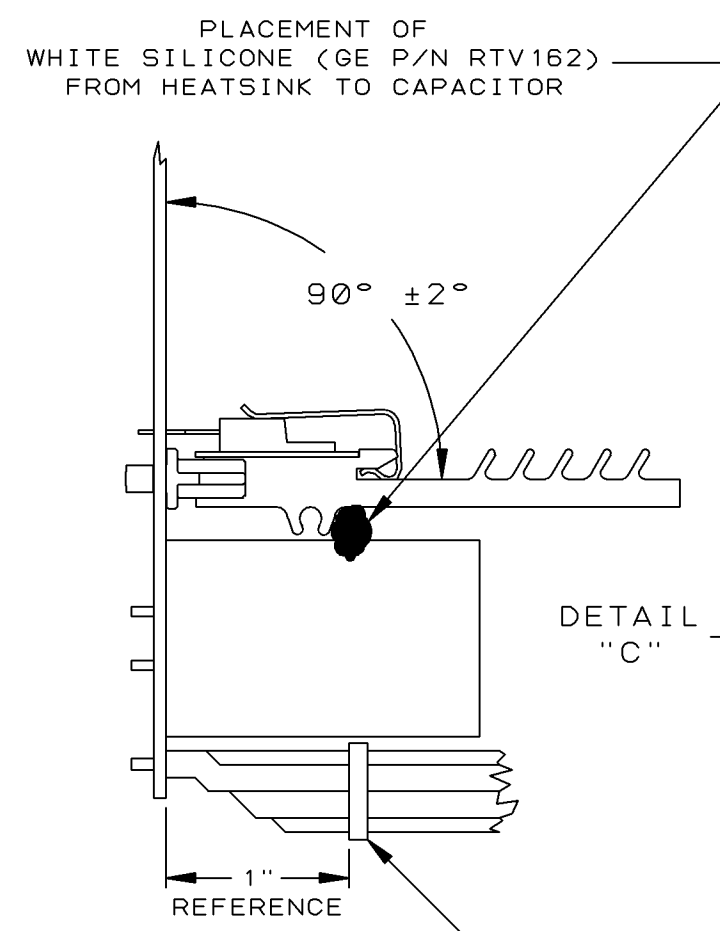
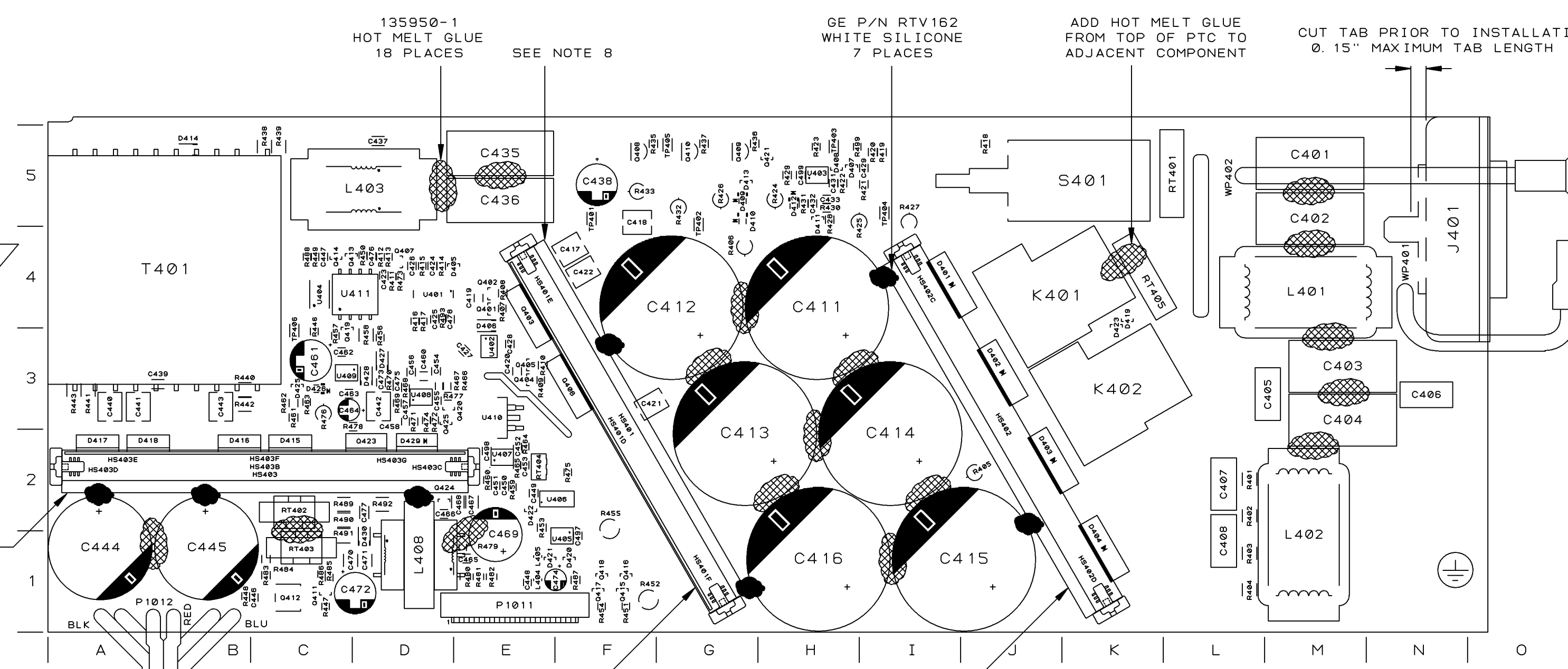
TITLE *PWA, XTI6000 DISPLAY		
SIZE C	DWG NO. 140582-3	REV A
SCALE NONE	PROJ NO. 600045	SHEET 2 OF 2

REVISION HISTORY					
E. C. N.	ZONE	REV	DESCRIPTION	DATE	APPROVED
		A	SEE 140413-5.A.XLS FOR COMPONENT DATA AND REVISION HISTORY	01-23-09	KLW KZ BLC
37749		B	SEE 140413-5.B.XLS FOR COMPONENT DATA AND REVISION HISTORY	02-18-09	KLW KZ BLC
37876		C	SEE 140413-5.C.XLS FOR COMPONENT DATA AND REVISION HISTORY	03-11-09	KLW KZ BLC
38146		D	SEE 140413-5.D.XLS FOR COMPONENT DATA AND REVISION HISTORY	04-30-09	KLW KZ GT
38269		E	SEE 140413-5.E.XLS FOR COMPONENT DATA AND REVISION HISTORY	05-20-09	KLW KZ GT



HEATSINK COMPOUND (S 2162-6) MUST BE BETWEEN COMPONENTS AND CERAMIC INSULATOR.
 HEATSINK COMPOUND (S 2162-6) MUST BE BETWEEN CERAMIC INSULATOR AND HEATSINK.
 HEATSINK COMPOUND (S 2162-6) THICKNESS TO BE 0.008" REFERENCE.

COMPONENT MAP
TOP SIDE



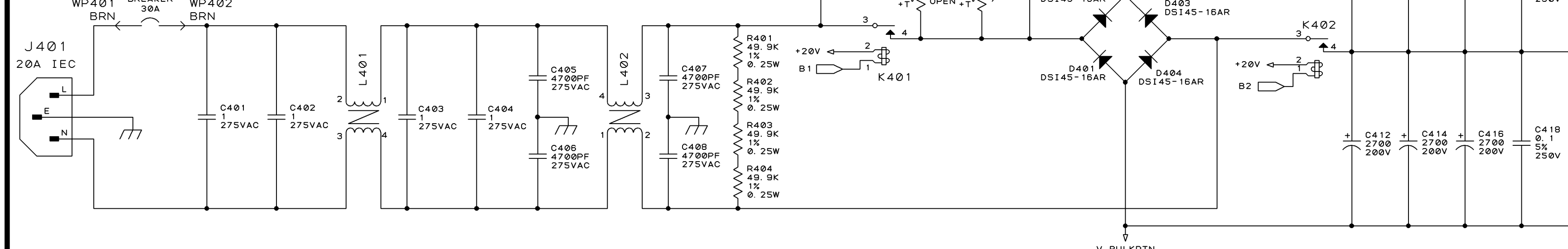
HEATSINK COMPOUND (S 2162-6) MUST BE BETWEEN COMPONENTS AND CERAMIC INSULATOR.
 HEATSINK COMPOUND (S 2162-6) MUST BE BETWEEN CERAMIC INSULATOR AND HEATSINK.
 HEATSINK COMPOUND (S 2162-6) THICKNESS TO BE 0.008" REFERENCE.

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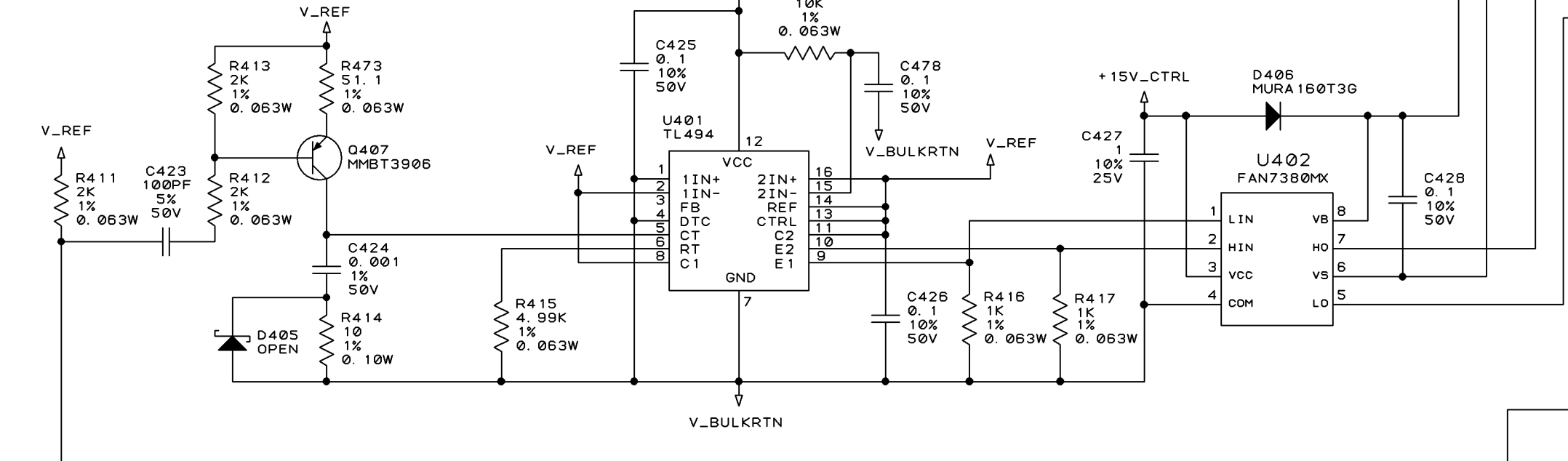
DWN	KLW	01-23-09	 CROWN H A Harman International Company 1718 WEST MISHAWAKA RD. ELKHART, IN. 46517 PHONE 574-294-8000 WWW.CROWNAUDIO.COM
CH	KZ	01-28-09	
PE	BLC	01-23-09	
DISTRIBUTION			TITLE
A			*PWA, XT16000 POWER SUPPLY
FILENAME			SIZE DWG NO.
TOLERANCE UNLESS OTHERWISE SPECIFIED			D 140413-5
.00 = ±.02"			REV
.010 = ±.010"			E
DRILLS = ±.003"			SCALE NONE
DO NOT SCALE DRAWING			PROJ NO. 600045
			SHEET 1 OF 2

CRITICAL TO SAFETY COMPONENTS.
REPLACE WITH SAME COMPONENT ONLY.

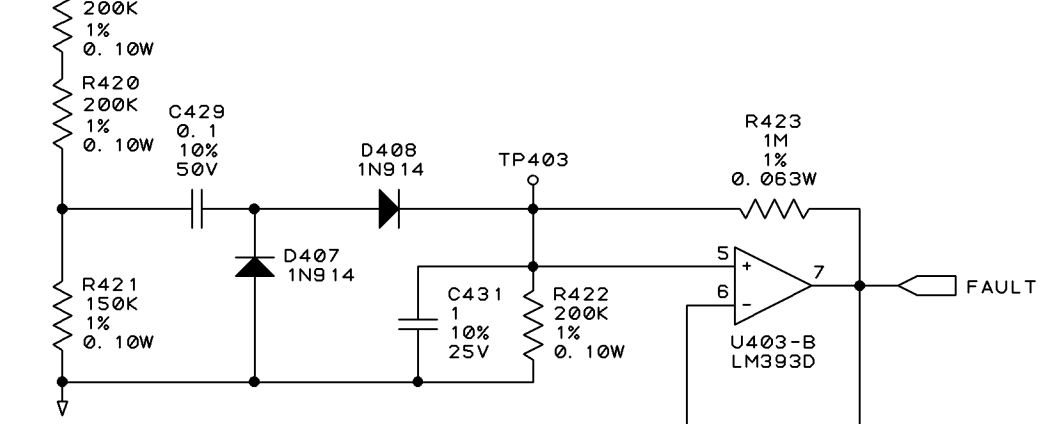
EMI FILTER



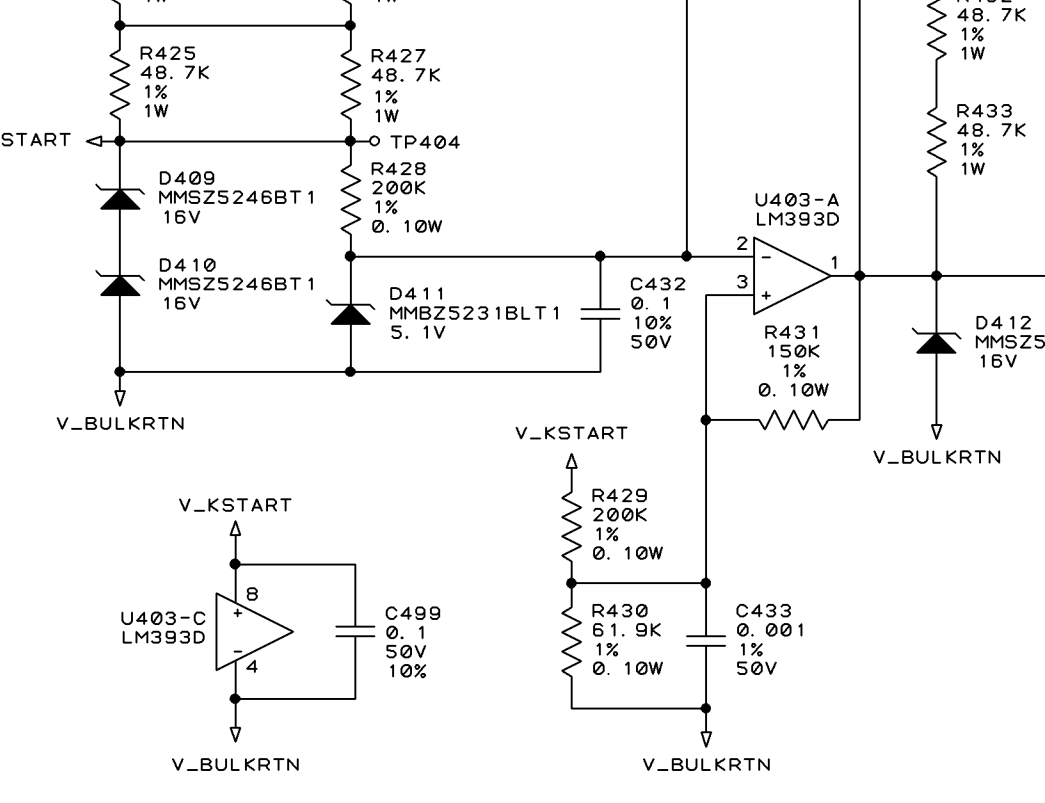
POWER SUPPLY CONTROL



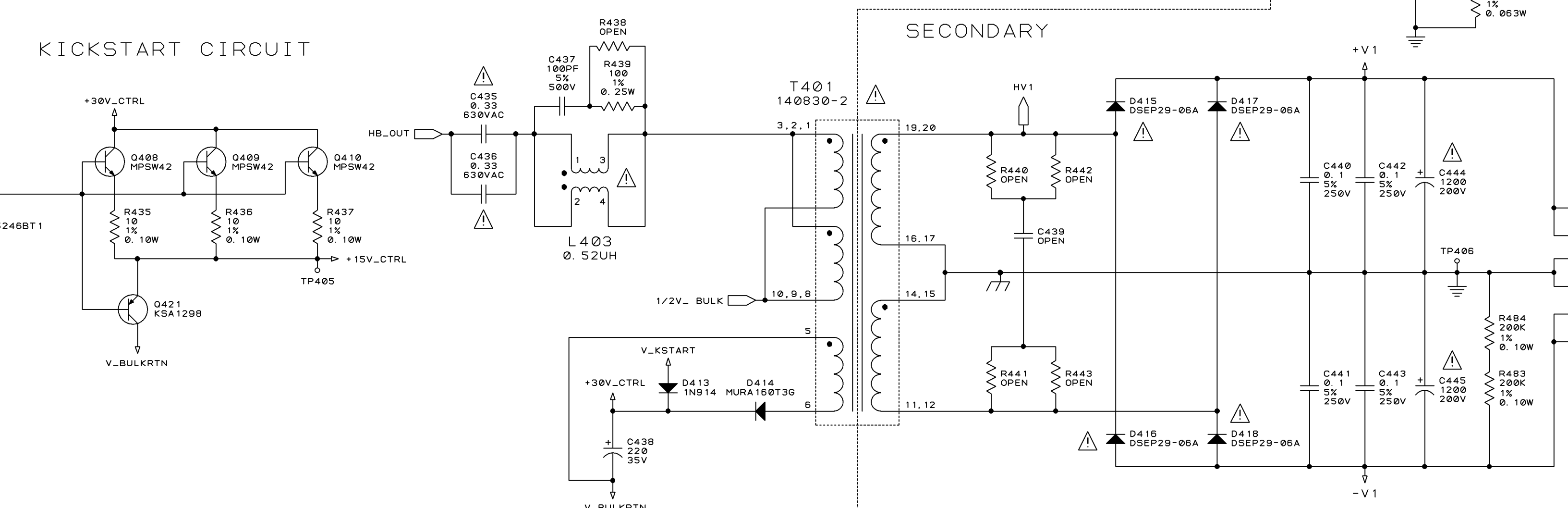
AC UVLO



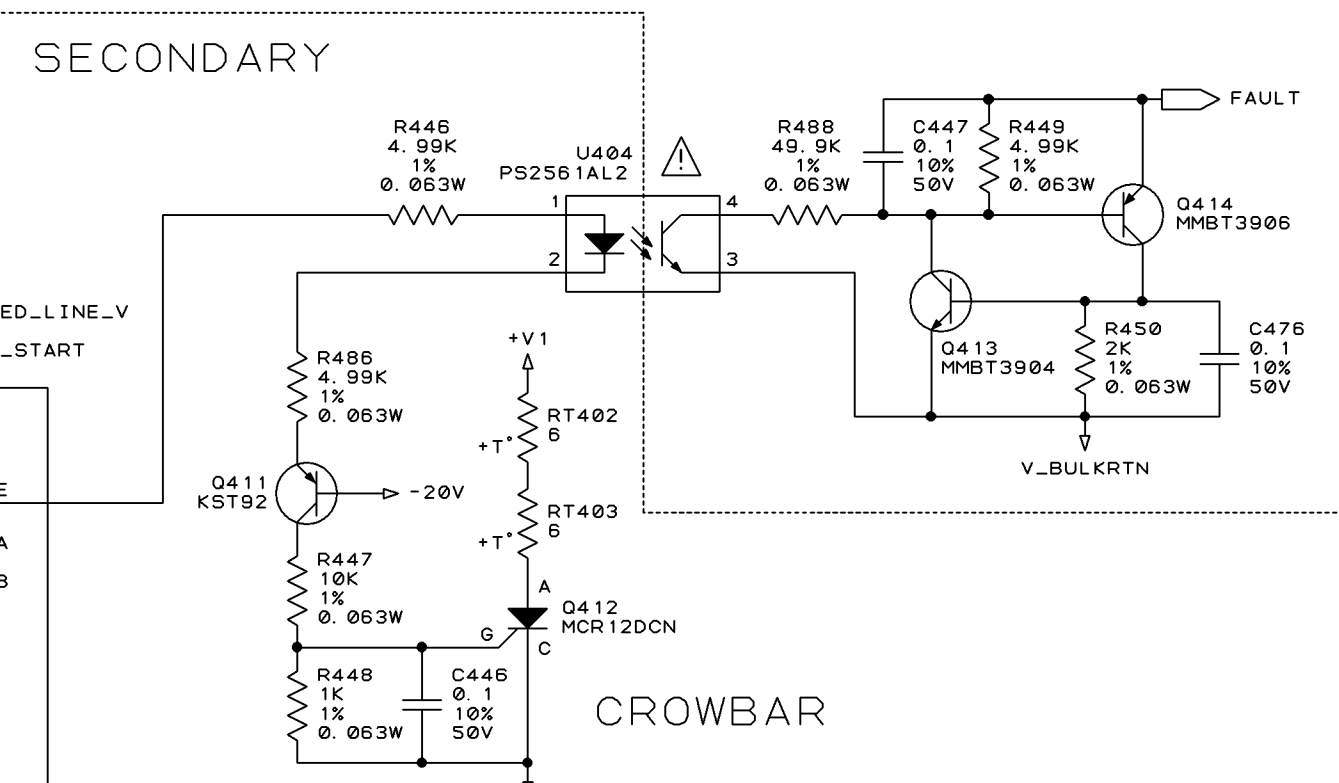
KICKSTART CIRCUIT



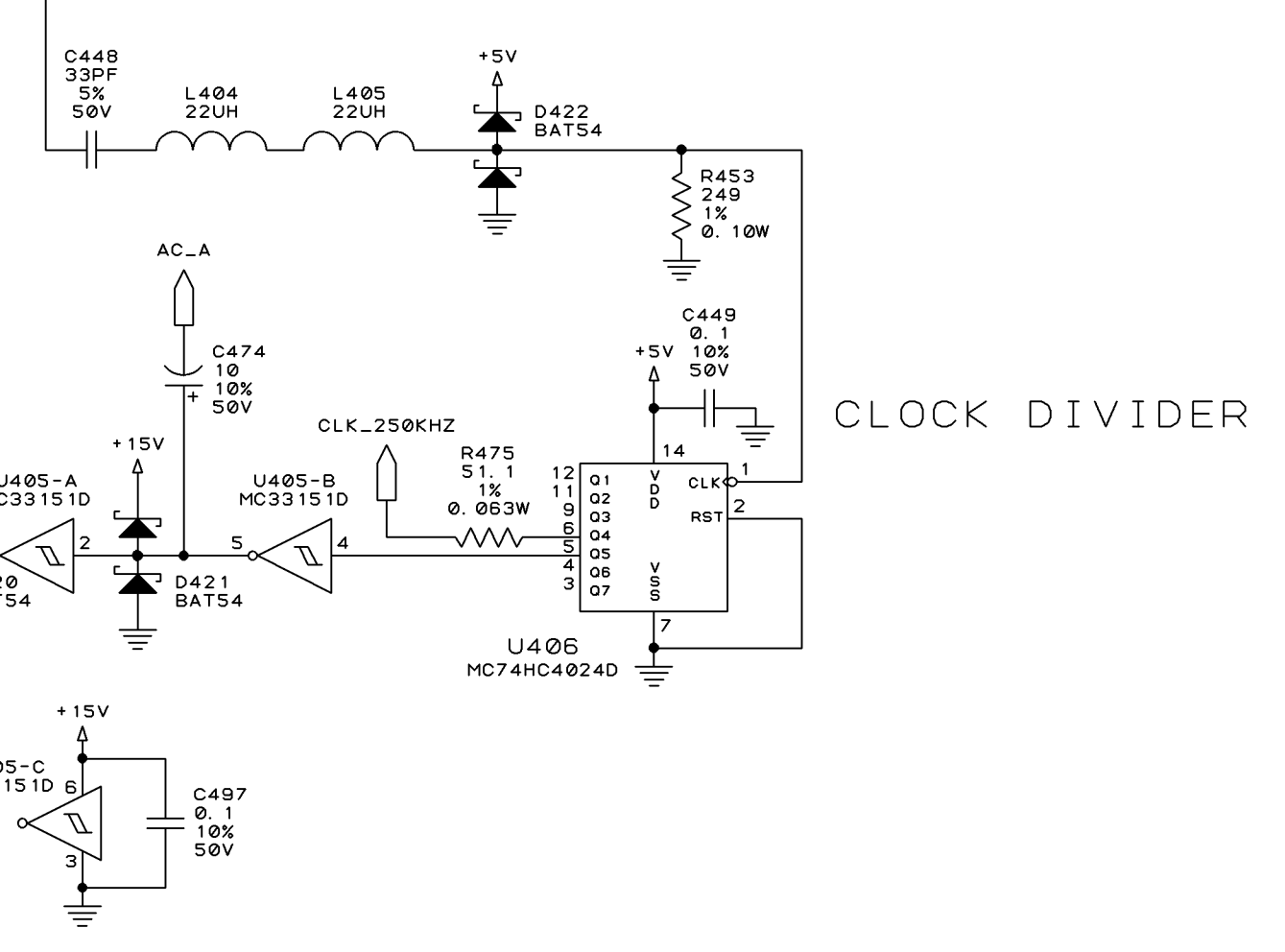
PRIMARY SECONDARY



PRIMARY



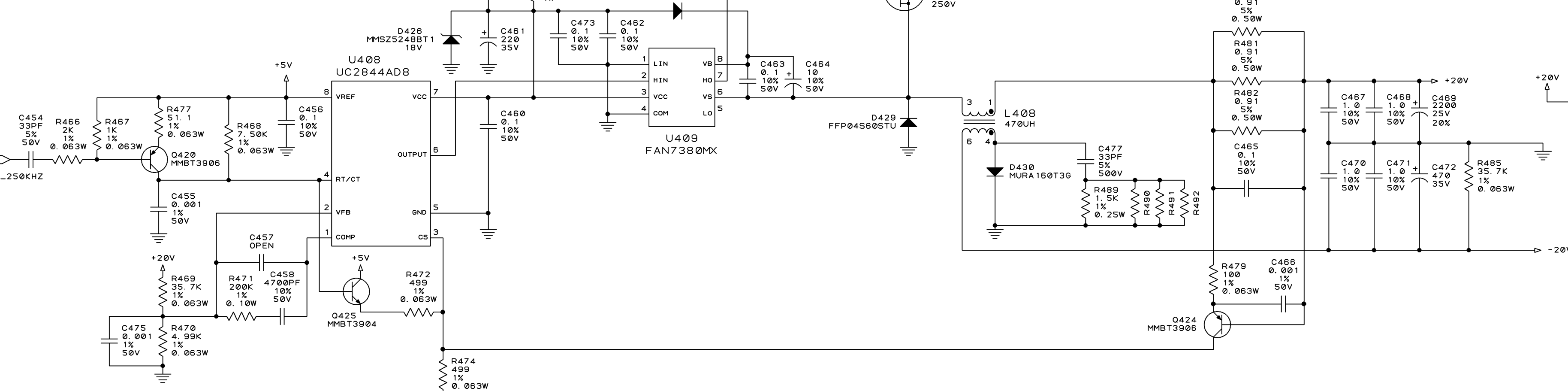
SECONDARY



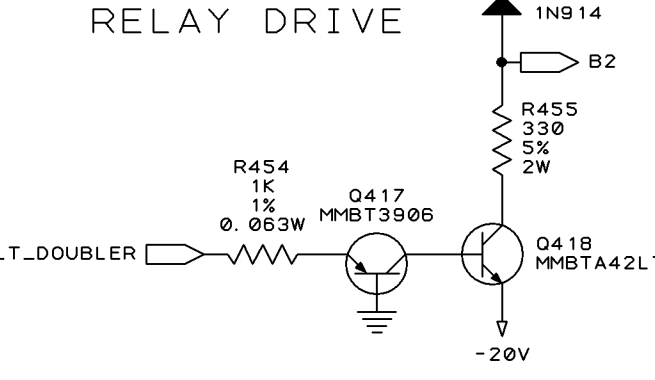
PRIMARY

SECONDARY

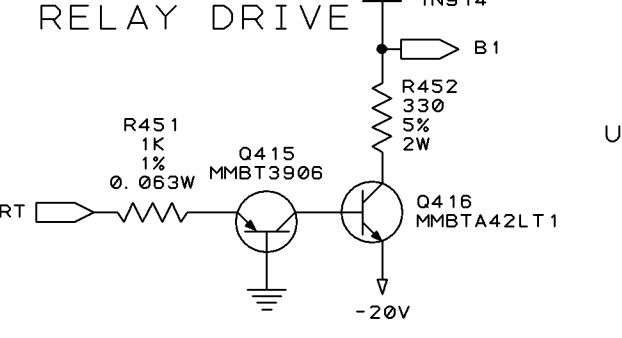
±20V POWER SUPPLY



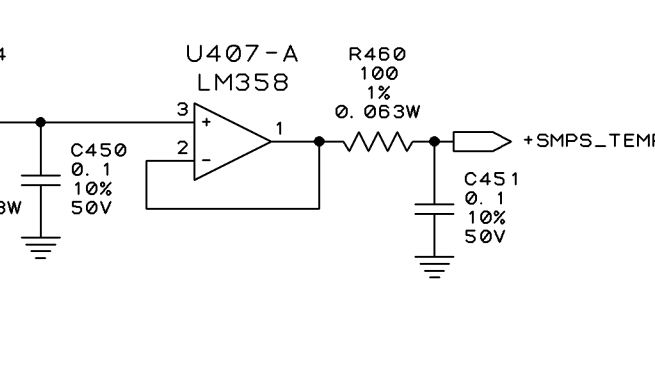
VOLTAGE DOUBLER RELAY DRIVE



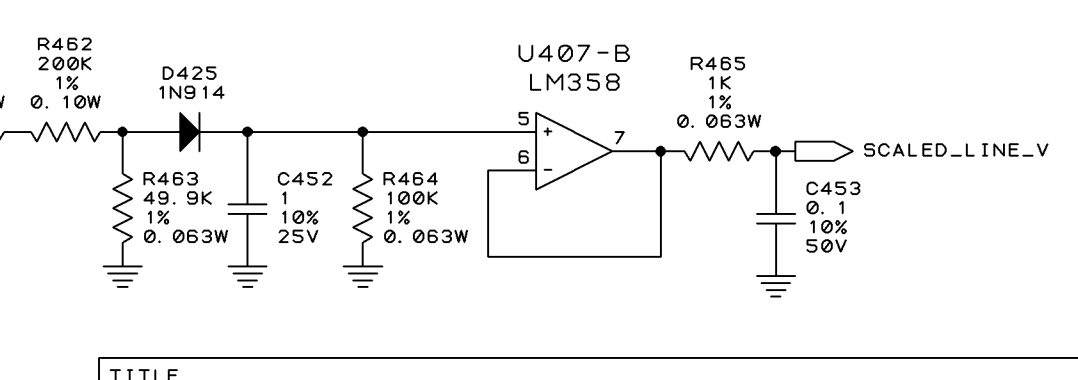
SOFT START RELAY DRIVE



SMPS TEMP MONITOR



LINE VOLTAGE MONITOR



TITLE XT16000 POWER SUPPLY

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		SCALE NONE	PROJ NO. 600045	SHEET 2 OF 2

REVISION HISTORY						
E.C.N	REV	DESCRIPTION	DATE	DWN	PE	CM
	A	INITIAL RELEASE DERIVED FROM 141367-1 REV. A WITH THE FOLLOWING CHANGE: J600 WAS 140736-1.	04/16/09	KLW	JF	KZ

UNLESS OTHERWISE SPECIFIED, THIS PRINTED WIRING ASSEMBLY SHALL MEET THE SPECIFICATION DESCRIBED IN IPC-A-610_ CLASS 2 STANDARDS.

ROHS COMPLIANCE: THIS PART MUST COMPLY WITH CROWN AUDIO SPECIFICATION 138935 AND ROHS DIRECTIVE 2002/95/EC OR BE DEFINED AS A ROHS APPROVED EXCEPTION.

NOTES:

1. PRINTED WIRING BOARD PART NUMBER **140348-3**.
2. SEE **141367-2_A.TIF** FOR SCHEMATIC AND BOARD MAP
3. ALL LEADS SHALL BE TRIMMED TO 0.093" OR LESS.
4. POSITION COMPONENTS AS SHOWN ON COMPONENT MAP.
5. THE PRINTED WIRING ASSEMBLY PART NUMBER INCLUDING REVISION CHARACTER AND SERIAL BAR CODE FOR THIS ASSEMBLY SHALL BE PRINTED ON A SEPARATE BLANK LABEL (P/N **127269-1**) AND PLACED ON THE TOP SIDE OF THE PRINTED WIRING BOARD.
6. MAP LOCATIONS DENOTED BY AN ASTERISK (*), INDICATE COMPONENTS MOUNTED ON THE BOTTOM SIDE OF THE PRINTED WIRING BOARD.



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DWN	KLW	04/16/09	PE	JF	04/16/09	CM	KZ	04/22/09	DIST.	A		
-----	-----	----------	----	----	----------	----	----	----------	-------	---	--	--

REF. DES.	CPN	DESCRIPTION	MAP LOC.
C564	103418-103J2	.01UF 5% 100V X7R 0805	B 2*
C600	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	D 3
C601	102438-221F2	220PF 200V 1% NPO 0805	D 3*
C602	102438-221F2	220PF 200V 1% NPO 0805	D 2*
C603	102438-221F2	220PF 200V 1% NPO 0805	D 2*
C604	102438-221F2	220PF 200V 1% NPO 0805	D 2*
C605	102438-221F2	220PF 200V 1% NPO 0805	D 2*
C606	102438-221F2	220PF 200V 1% NPO 0805	D 2
C607	102438-221F2	220PF 200V 1% NPO 0805	D 2
C608	102438-221F2	220PF 200V 1% NPO 0805	D 2
C609	103418-103J2	.01UF 5% 100V X7R 0805	D 2*
C610	A11369-471J2	CAP, 470PF 5% 50V SMT 0805	C 2*
C611	137422-1	CAP, 0.01UF 25V 5% NPO 1206	D 2*
C612	137422-1	CAP, 0.01UF 25V 5% NPO 1206	D 2*
C613	103418-103J2	.01UF 5% 100V X7R 0805	D 2*
C614	103418-103J2	.01UF 5% 100V X7R 0805	D 2
C615	133875-1	CAP, 1UF 10% 10V X7R 0805 SMT	C 2
C616	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	C 2*
C617		OPEN	A 2*
C618	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	B 2
C619	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 2
C620		OPEN	A 2*
C622	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 2
C623	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 2
C624	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 2
C627	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 3
C628	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 3
C629	139304-1	CAP, 0.33UF 10% 25V X7R 0805	B 3
C630	A11369-102F2	1000PF 50V 1% CHIP CAP	A 1*
C631	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 1*
C632	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	C 2*
C633	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	C 2*
C634	139304-1	CAP, 0.33UF 10% 25V X7R 0805	C 2
C635	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 2*
C636	A11369-220J2	22 PF 5% 50V NPO CER CHIP	C 2*
C637	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 2*
C638	103418-103J2	.01UF 5% 100V X7R 0805	C 2*
C639	133875-1	CAP, 1UF 10% 10V X7R 0805 SMT	C 2*
C640	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 2*
C641	A11369-102F2	1000PF 50V 1% CHIP CAP	B 2*
C642	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 1
C643	126539-1	10UF 16V 5.5MM HIGH SMD	B 1
C644	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 3
C645	103418-103J2	.01UF 5% 100V X7R 0805	B 1
C646	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	B 1*
C647	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	B 2
C648	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	B 2*
C649	126539-1	10UF 16V 5.5MM HIGH SMD	B 2
C650	A11369-102F2	1000PF 50V 1% CHIP CAP	B 2*
C651	A11369-332J5	CAP, 3300PF 5% 50V SMT 1206	B 2*
C652	A11369-102F2	1000PF 50V 1% CHIP CAP	B 2*
C653	A11427-223K2	0.022UF 50V 10% CHIP X7R 0805	B 2*
C654	A11427-473K2	.047UF 50V 10% X7R MLC 0805 TR	B 2
C655	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2
C656	139304-1	CAP, 0.33UF 10% 25V X7R 0805	D 2
C657	126551-1	100UF 25V ELCAP SMD	B 1

C658	139304-1	CAP, 0.33UF 10% 25V X7R 0805	D 2
C659	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	D 2
C660	103418-103J2	.01UF 5% 100V X7R 0805	E 2*
C661	A11369-332J5	CAP, 3300PF 5% 50V SMT 1206	E 2*
C662	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	D 3*
C663	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 2*
C664	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2*
C665	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2*
C666	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 1
C667	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 2
C668	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 1*
C669	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 1*
C670	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 2
C671	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 2*
C672	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 1*
C673	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 2
C674	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2
C675	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 2
C676	A11369-102F2	1000PF 50V 1% CHIP CAP	C 2*
C677	A11369-102F2	1000PF 50V 1% CHIP CAP	B 2
C678	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 3
C679	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 2
D600	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 1
D601	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 2
D602	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 2*
D603	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 2*
D604	126549-1	DIODE,30V 200MA SCHOTTKY SOT23	C 2*
D605	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 1
D606	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 1*
D607	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 1
D608	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	D 3
D609	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	D 3
D610	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	D 3*
D611	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	D 3*
D612	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	A 2
D614	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	A 2
D615	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	A 3
E600	126473-1	LED, GRN SMT 1206	A 1
J600	141399-1	CON, HDR M 30POS DROW GLD TH HOR	C 3
PWB1	140348-3	PWB, BCA FRONT END	A 1
Q600	C 7448-1	MMBT3904 CHIP NPN	C 2
Q601	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 2
Q602	C 9931-4	MMBT5087LT1 PNP XSISTOR SOT-23	B 2*
Q603	C 9931-4	MMBT5087LT1 PNP XSISTOR SOT-23	B 2
Q604	125798-1	XSTR,MMBT3906 LT3 10K REEL	B 1*
Q605	125798-1	XSTR,MMBT3906 LT3 10K REEL	B 2*
Q606	C 7448-1	MMBT3904 CHIP NPN	B 2
Q607	C 7448-1	MMBT3904 CHIP NPN	B 2
Q608	C 7448-1	MMBT3904 CHIP NPN	B 1
Q609	125798-1	XSTR,MMBT3906 LT3 10K REEL	B 2*
R600	A11368-2R002	2.00 OHM .25W 1% 1206 T/R	D 3
R601	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 3
R602	A11368-12411	1.24K OHM 0.1W 1% 0805 T/R	D 2*
R603	A11368-12411	1.24K OHM 0.1W 1% 0805 T/R	D 2*
R604	A11368-11001	RES, 110 OHM 1% 0.1W SMT 0805	D 2
R606	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	D 2*
R607	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	D 2*
R608	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	D 2*
R609	A11368-25501	255 OHM 1% 0.1W 0805 T/R	D 2

R610	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R611	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R612	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R613	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R614	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R615	130966-1	2.87K 0.1W 0.1% 0805 THIN FILM	D 2
R616	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	D 2*
R617	A11368-45311	RES, 4.53K 1% 0.1W SMT 0805	C 2*
R618	A11368-68101	681 OHM 1% 0.1W 0805 T/R	C 2*
R619	A11368-82511	8.25KOHM .1W 1% CHIP 0805	C 2*
R620	A11368-82511	8.25KOHM .1W 1% CHIP 0805	D 2*
R621	A11368-57611	5.76K OHM 0.1W 1% 0805 T/R	C 2*
R622	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	D 2*
R623	A11368-24331	243KOHM 1/10W 1% SMD 0805 T/R	D 2
R624	A11368-27411	2.74KOHM 0.1W 1% 0805 T/R	C 1*
R625	A11368-33221	33.2KOHM .1W 1% 0805 T/R	C 1*
R626	A11368-10011	1.KOHM .1W 1% CHIP 0805	D 2*
R627	A11368-10011	1.KOHM .1W 1% CHIP 0805	D 2*
R628	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 2
R629	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R630	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1*
R631	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 2*
R632	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1*
R633	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1*
R634	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 2*
R635	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1*
R636	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1
R637	A11368-26721	26.7KOHM .1W 1% 0805 T/R	C 1*
R638	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1*
R639	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 1
R640	A11368-30121	30.1K, 0.10W 1% MF 0805	C 1*
R641	A11368-20021	20.KOHM .1W 1% CHIP 0805	C 1*
R642	127682-1	4.99K 0.1% 1206 THIN FILM T/R	C 2*
R643	127682-1	4.99K 0.1% 1206 THIN FILM T/R	C 2*
R644	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	A 2*
R646	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	A 2*
R647	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	A 2*
R648	A11368-49R91	RES, 49.9 OHM 1% 0.1W SMT 0805	A 2*
R649	A11368-12411	1.24K OHM 0.1W 1% 0805 T/R	A 2*
R650	A11368-10031	100.KOHM .1W 1% CHIP 0805	D 3
R651	A11368-53601	536 OHM 0.1W 1% 0805 T/R	A 2
R652	A11368-75R01	75.OHM 1/10W 1% SMD 0805 T/R	A 3*
R653	A11368-75R01	75.OHM 1/10W 1% SMD 0805 T/R	A 3*
R654	A11368-12411	1.24K OHM 0.1W 1% 0805 T/R	B 2*
R655	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	A 2
R656	A11368-12411	1.24K OHM 0.1W 1% 0805 T/R	B 2*
R657	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	A 2*
R658	A11368-49R91	RES, 49.9 OHM 1% 0.1W SMT 0805	B 2*
R659	A11368-12411	1.24K OHM 0.1W 1% 0805 T/R	B 2*
R660	A11368-10031	100.KOHM .1W 1% CHIP 0805	D 3*
R661	A11368-75R01	75.OHM 1/10W 1% SMD 0805 T/R	B 3*
R662	A11368-75R01	75.OHM 1/10W 1% SMD 0805 T/R	B 3*
R663	A11368-10011	1.KOHM .1W 1% CHIP 0805	A 2*
R665	A11368-10021	10K 1/10W 1% SMD 0805 T/R	A 3*
R666	A11368-40211	4.02K 1/10W 1% SMD 0805 T/R	A 1*
R667	A11368-10031	100.KOHM .1W 1% CHIP 0805	A 1*
R668	A11368-10021	10K 1/10W 1% SMD 0805 T/R	A 2*
R669	A11368-22131	221 KOHM .1W 1% 0805 T/R	A 1*
R670	A11368-10021	10K 1/10W 1% SMD 0805 T/R	A 1*

R671	A11368-10021	10K 1/10W 1% SMD 0805 T/R	A 2*
R672	A11368-24331	243KOHM 1/10W 1% SMD 0805 T/R	A 1*
R673	A11368-49931	499KOHM .1W 1% 0805 T/R	B 3*
R674	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	C 2*
R675	A11368-10011	1.KOHM .1W 1% CHIP 0805	C 2*
R676	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 2*
R677	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 2*
R678	A11368-1R001	1 OHM .1W 1% 0805 T/R	C 2*
R679	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	C 2*
R680	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 2*
R681	A11368-21511	2.15KOHM .1W 1% 0805 T/R	B 2*
R682	A11368-53601	536 OHM 0.1W 1% 0805 T/R	C 2*
R683	A11368-10001	100 OHM 1% 0805 RES T/R	B 1*
R684	A11368-27412	2.74 KOHM .125W 1% 1206 T/R	B 1
R685	A11368-21521	21.5 KOHM .1W 1% 0805 T/R	B 1*
R686	A11368-75R01	75.OHM 1/10W 1% SMD 0805 T/R	B 2
R687	A11368-54911	5.49K 0.1W 1% 0805 T/R	B 2*
R688	A11368-10011	1.KOHM .1W 1% CHIP 0805	B 1
R689	A11368-49R91	RES, 49.9 OHM 1% 0.1W SMT 0805	B 2
R690	A11368-76801	RES, 768 OHM 1% 0.1W 0805	B 2*
R691	A11368-10001	100 OHM 1% 0805 RES T/R	B 2*
R692	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	B 1*
R693	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	B 1
R694	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	B 2*
R695	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	B 2
R696	A11368-82501	RES, 825 OHM 1% 0.1W 0805	B 2*
R697	A11368-15021	15.0K, 0.10W 1% MF 0805	B 2*
R698	A11368-68111	6.81K 0.10W 1% CHIP 0805	B 2*
R699	A11368-15021	15.0K, 0.10W 1% MF 0805	B 2*
R700	A11368-15031	150K 1/10W 1% SMD 0805 T/R	B 2*
R703	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 2*
R704	A11368-61921	61.9 KOHM 0.1W 1% 0805	B 2*
R705	A11368-44221	44.2K 0.1W 1% 0805 T/R	D 3
R706	A11368-10711	1.07KOHM .1W 1% 0805 T/R	D 3
R707	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	D 3
R708	A11368-15031	150K 1/10W 1% SMD 0805 T/R	D 2*
R709	A11368-10001	100 OHM 1% 0805 RES T/R	D 3
R710	A11368-20021	20.KOHM .1W 1% CHIP 0805	D 2
R711	A11368-20031	200K 0.1W 1% SMD CHIP 0805	D 2*
R712	A11368-12741	1.27MOHM .1W 1% 0805 T/R	D 2
R713	A11368-40211	4.02K 1/10W 1% SMD 0805 T/R	D 2*
R714	140529-1	POT, 10K 4MM SMD	D 1
R715	A11368-11531	115K 1/10W 1% SMD 0805 T/R	E 2*
R716	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 3*
R717	A11368-20021	20.KOHM .1W 1% CHIP 0805	E 3*
R718	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 3
R719	A11368-10021	10K 1/10W 1% SMD 0805 T/R	E 3
R720	A11368-90921	90.9K, 0.10W 1% MF 0805	E 3*
R721	A11368-36531	RES, 365 KOHM 1% .1W 0805	B 2*
R722	A11368-75R01	75.OHM 1/10W 1% SMD 0805 T/R	B 2
R723	A11368-30121	30.1K, 0.10W 1% MF 0805	D 2*
R724	A11368-15021	15.0K, 0.10W 1% MF 0805	C 3*
R725	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2*
R726	A11368-17821	17.8 KOHM 1% 0.1W 0805 T/R	D 2*
R727	A11368-36511	3.65KOHM .1W 1% 0805 T/R	D 2
R728	A11368-28021	RES, 28K 1% .1W SMT 0805	D 2
R729	A11368-19621	19.6K OHM .1W 1% 0805 T/R	D 2*
R730	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 2
R731	A11368-20021	20.KOHM .1W 1% CHIP 0805	A 1*

R732	A11368-10031	100.KOHM .1W 1% CHIP 0805	A 1*
R733	A11368-10011	1.KOHM .1W 1% CHIP 0805	A 1*
R735	A11368-41221	41.2K OHM 0.1W 1% 0805 T/R	D 1*
R736	A11368-41211	4.12K OHM 0.1W 1% 0805 T/R	D 1*
R737	A11368-28711	2.87K .1W 1% 0805 T/R	D 1*
R738	A11368-11811	RES, 1.18KOHM 0.1W 1% 0805	D 2
R739	A11368-10011	1.KOHM .1W 1% CHIP 0805	D 2
R740	A11368-41221	41.2K OHM 0.1W 1% 0805 T/R	D 1*
R741	A11368-10011	1.KOHM .1W 1% CHIP 0805	C 2*
R742	A11368-2R002	2.00 OHM .25W 1% 1206 T/R	D 3
R745	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	B 2*
R748	A11368-10041	1M OHM .1W 1% CHIP 0805	D 3*
R749	A11368-24331	243KOHM 1/10W 1% SMD 0805 T/R	B 2*
R750	A11368-24331	243KOHM 1/10W 1% SMD 0805 T/R	B 3*
R751	A11368-49921	49.9KOHM .1W 1% CHIP 0805	B 2*
TP600	127064-1	TEST POINT, SMT 1206	D 2
TP601		OPEN	C 2
TP610		OPEN	C 2
TP611	127064-1	TEST POINT, SMT 1206	B 2
TP612		OPEN	E 2
TP613		OPEN	B 2*
U600	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	C 2
U601	125868-1	OP AMP TL074CD SMT	C 1
U602	135876-1	IC, COMP HI SPEED NJM360M DMP8	A 2
U603	135876-1	IC, COMP HI SPEED NJM360M DMP8	B 2
U606	126561-1	REG, +5V LOW POWER SO-8	A 3
U607	132159-1	REG, -5V LOW POWER SO-8	B 3
U608	125868-1	OP AMP TL074CD SMT	D 2
U609	C 9038-8	COMPARATOR, QUAD LM339D SO-14	A 1
U610	C 9038-8	COMPARATOR, QUAD LM339D SO-14	D 1
U611	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	B 2
U612	126561-1	REG, +5V LOW POWER SO-8	C 2
U613	C10344-7	74HC74AD DUAL D FLIP FLOP SOIC	C 2
U614	100851-1	HEX INVERTER, 74AC04 14P SOIC	C 2
U615	140211-1	SGL 2 INPUT OR GATE SOT-23-5	A 2
U616	140211-1	SGL 2 INPUT OR GATE SOT-23-5	A 2
U617	140211-1	SGL 2 INPUT OR GATE SOT-23-5	A 2
U618	140211-1	SGL 2 INPUT OR GATE SOT-23-5	B 2
U619	140211-1	SGL 2 INPUT OR GATE SOT-23-5	A 2

REVISION HISTORY						
E.C.N	REV	DESCRIPTION	DATE	DWN	PE	CM
	A	INITIAL RELEASE DERIVED FROM 140464-4 REV. A WITH THE FOLLOWING CHANGE: J1000 & J1001 WERE 140737-1.	04/15/09	KLW	JF	KZ
38269	B	ADDED CRITICAL TO QUALITY MARKINGS TO SCHEMATIC.	5/20/09	KLW	GT	KZ

UNLESS OTHERWISE SPECIFIED, THIS PRINTED WIRING ASSEMBLY SHALL MEET THE SPECIFICATION DESCRIBED IN IPC-A-610_ CLASS 2 STANDARDS.

ROHS COMPLIANCE: THIS PART MUST COMPLY WITH CROWN AUDIO SPECIFICATION 138935 AND ROHS DIRECTIVE 2002/95/EC OR BE DEFINED AS A ROHS APPROVED EXCEPTION.

NOTES:

1. PRINTED WIRING BOARD PART NUMBER **140265-5**.
2. SEE **140464-5_B.TIF** FOR SCHEMATIC AND BOARD MAP
3. ALL LEADS SHALL BE TRIMMED TO 0.093" OR LESS.
NO LEAD TRIM REQUIRED FOR 1200UF CAPACITORS (**131310-2**)
4. POSITION COMPONENTS AS SHOWN ON COMPONENT MAP.
5. THE PRINTED WIRING ASSEMBLY PART NUMBER AND SERIAL BAR CODE FOR THIS ASSEMBLY SHALL BE PRINTED ON A SEPARATE BLANK LABEL (P/N **127269-1**) AND PLACED ON THE TOP SIDE OF THE PRINTED WIRING BOARD.
6. REMOVE SOLDER OR PREVENT SOLDER FROM ACCUMULATING IN PRINTED WIRING BOARD MOUNTING HOLES.



UNCONTROLLED
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DWN	KLW	04/15/09	PE	JF	04/15/09	CM	KZ	05/01/09	DIST.	K		
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REF. DES.	CPN	DESCRIPTION	MAP LOC.
BB301	140447-1	BUSBAR, BCA COMMON	J 2
BB302	140447-1	BUSBAR, BCA COMMON	G 2
BB401	140447-1	BUSBAR, BCA COMMON	D 2
BB402	140447-1	BUSBAR, BCA COMMON	A 2
C1	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	G 11
C2	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	G 11
C3	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	I 11
C4	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	I 11
C5	A11369-821K2	820PF 50V 10% NPO MLC 0805	G 11
C6	A11369-821K2	820PF 50V 10% NPO MLC 0805	G 11
C7	A11369-820K1	82PF 50V 10% NPO MLC 0603	F 11
C8	A11369-820K1	82PF 50V 10% NPO MLC 0603	F 11
C9	A11369-820K1	82PF 50V 10% NPO MLC 0603	I 11
C10	A11369-820K1	82PF 50V 10% NPO MLC 0603	I 11
C11	A11369-820K1	82PF 50V 10% NPO MLC 0603	G 11
C12	A11369-820K1	82PF 50V 10% NPO MLC 0603	G 11
C13	A11369-820K1	82PF 50V 10% NPO MLC 0603	I 11
C14	A11369-820K1	82PF 50V 10% NPO MLC 0603	I 11
C15		OPEN	H 10
C16		OPEN	H 10
C17		OPEN	H 10
C18		OPEN	H 10
C19		OPEN	I 10
C20		OPEN	I 10
C21		OPEN	I 10
C22	A11369-821K2	820PF 50V 10% NPO MLC 0805	I 11
C23	A11369-821K2	820PF 50V 10% NPO MLC 0805	I 11
C24		OPEN	I 10
C25		OPEN	I 10
C41		OPEN	H 10
C90	102438-220J2	22PF 200V 5% NPO 0805 T/R	F 11
C91	102438-220J2	22PF 200V 5% NPO 0805 T/R	F 11
C92		OPEN	F 9
C93		OPEN	F 9
C260		OPEN	D 11
C261		OPEN	E 11
C262		OPEN	D 11
C263		OPEN	D 11
C264		OPEN	D 11
C265		OPEN	C 11
C266		OPEN	D 11
C267		OPEN	D 11
C268		OPEN	B 11
C269		OPEN	A 11
C270		OPEN	B 11
C271		OPEN	B 11
C272		OPEN	B 11
C273		OPEN	A 11
C274		OPEN	A 11
C275		OPEN	A 11
C276		OPEN	D 11
C277		OPEN	A 11
C278		OPEN	E 11
C300		OPEN	N 9
C301		OPEN	N 9
C302		OPEN	N 10

C303	OPEN	O 10
C304	OPEN	N 10
C305	OPEN	N 9
C306	OPEN	N 10
C307	OPEN	P 8
C308	OPEN	P 11
C309	OPEN	P 11
C310	OPEN	P 11
C311	OPEN	O 9
C312	OPEN	O 9
C313	OPEN	O 9
C314	OPEN	O 9
C315	OPEN	O 9
C316	OPEN	O 9
C317	OPEN	O 9
C318	OPEN	P 9
C319	OPEN	P 9
C320	OPEN	P 9
C321	OPEN	P 9
C322	OPEN	P 5
C323	OPEN	L 9
C324	OPEN	M 9
C325	OPEN	M 10
C326	OPEN	L 10
C327	OPEN	L 10
C328	OPEN	L 9
C329	OPEN	M 10
C330	OPEN	L 9
C331	OPEN	J 11
C332	OPEN	J 11
C333	OPEN	J 11
C334	OPEN	J 9
C335	OPEN	K 9
C336	OPEN	J 9
C337	OPEN	J 9
C338	OPEN	K 9
C339	OPEN	K 9
C340	OPEN	K 9
C341	OPEN	K 9
C342	OPEN	K 9
C343	OPEN	K 9
C344	OPEN	K 9
C345	OPEN	M 5
C346	OPEN	O 5
C347	OPEN	O 5
C348	OPEN	N 5
C349	OPEN	N 5
C350	OPEN	N 9
C351	OPEN	N 9
C352	OPEN	N 9
C353	OPEN	L 9
C354	OPEN	N 9
C355	OPEN	L 9
C356	OPEN	O 3
C357	OPEN	O 3
C358	OPEN	O 3
C359	OPEN	O 3
C360	OPEN	M 3
C361	OPEN	N 3

C362		OPEN	O 3
C363		OPEN	N 3
C364		OPEN	O 3
C365		OPEN	N 3
C366		OPEN	N 3
C367		OPEN	N 3
C368		OPEN	N 2
C369		OPEN	O 1
C370		OPEN	O 1
C371		OPEN	O 1
C372		OPEN	O 1
C373		OPEN	O 1
C374		OPEN	N 2
C375		OPEN	N 1
C376		OPEN	N 2
C377		OPEN	N 1
C378		OPEN	N 1
C379		OPEN	M 1
C380		OPEN	M 3
C381		OPEN	N 2
C382		OPEN	M 8
C383		OPEN	M 8
C384	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 11
C385		OPEN	H 10
C386		OPEN	H 10
C387		OPEN	G 10
C388		OPEN	G 10
C389		OPEN	I 10
C390		OPEN	I 10
C391		OPEN	F 10
C392		OPEN	N 3
C393		OPEN	N 3
C394		OPEN	N 1
C395		OPEN	N 1
C396		OPEN	I 9
C397		OPEN	I 9
C398		OPEN	N 5
C401		OPEN	O 5
C526		OPEN	A 3
C527		OPEN	A 3
C528	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	A 3
C532	C 9465-3	10UF 50V 20% VERT ELECT T/A	A 2
C800		OPEN	D 9
C801		OPEN	D 9
C802	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	D 9
C803	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	D 8
C804	135505-1	CAP, 0.1UF 25V 10% X7R 0603	A 10
C805	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	D 9
C806	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	D 9
C807	139719-1	CAP, 1.0UF 25V X7R 10% 0805	A 9
C808	139947-1	CAP, 10UF 10V 10% X5R 1206	A 9
C809	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	A 10
C810	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	A 9
C811	A10434-224JA	CAP, 0.22 UF 5% 50V MET POLY T/A	D 9
C812	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 9
C813		OPEN	E 10
C814	139719-1	CAP, 1.0UF 25V X7R 10% 0805	A 10
C815	A10434-684JA	CAP, 0.68UF 5% 50V MET POLY T/A	E 9
C816	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 8

C817	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 9
C818	A10434-684JA	CAP, 0.68UF 5% 50V MET POLY T/A	E 9
C819	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 9
C820	A11369-332F5	3300.PF 50V 1% NPO MLC 1206	D 9
C821	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	D 9
C822	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	D 10
C823	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	E 10
C824	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	D 10
C825	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	E 10
C826	A11369-332F5	3300.PF 50V 1% NPO MLC 1206	D 9
C827	A11427-472K1	4700PF 50V 10% X7R 0603 T/R	E 9
C828	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	B 9
C829	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 9
C830	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	B 10
C831	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	B 9
C832	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	A 9
C833	139947-1	CAP, 10UF 10V 10% X5R 1206	B 9
C834	A11427-223J2	.022UF 50V 5% X7R 0805 T/R	D 9
C835	A11427-223J2	.022UF 50V 5% X7R 0805 T/R	D 9
C836		OPEN	D 8
C837		OPEN	D 8
C838	A11427-223J2	.022UF 50V 5% X7R 0805 T/R	E 9
C839	A11427-223J2	.022UF 50V 5% X7R 0805 T/R	D 8
C840	A11427-223J2	.022UF 50V 5% X7R 0805 T/R	D 8
C841	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	D 8
C842	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	D 8
C843	A11427-223J2	.022UF 50V 5% X7R 0805 T/R	E 8
C844	139719-1	CAP, 1.0UF 25V X7R 10% 0805	B 9
C845	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 7
C846	A10434-224JA	CAP, 0.22 UF 5% 50V MET POLY T/A	D 8
C847	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 7
C848	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	B 9
C849	A10434-684JA	CAP, 0.68UF 5% 50V MET POLY T/A	E 8
C850	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 8
C851	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 8
C852	A10434-684JA	CAP, 0.68UF 5% 50V MET POLY T/A	E 8
C853	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 8
C854	A11369-332F5	3300.PF 50V 1% NPO MLC 1206	D 7
C855	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	D 7
C856	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	D 7
C857	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	D 7
C858	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	E 7
C859	A11369-332F5	3300.PF 50V 1% NPO MLC 1206	D 8
C860	A11427-472K1	4700PF 50V 10% X7R 0603 T/R	E 7
C861	130636-560J5	CAP, 56PFD 500V 5% NPO 1206	B 10
C862	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	B 8
C863	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	B 8
C864	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	B 8
C865	139719-1	CAP, 1.0UF 25V X7R 10% 0805	B 10
C869	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 8
C870	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 9
C871	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 8
C872	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 8
C873	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 8
C874	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 8
C875	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	B 8
C880	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 8
C881	139947-1	CAP, 10UF 10V 10% X5R 1206	B 8
C886	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 8

C887	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 7
C888	135505-1	CAP, 0.1UF 25V 10% X7R 0603	A 8
C889	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 7
C890	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 6
C891		OPEN	D 7
C892		OPEN	D 8
C893		OPEN	B 10
C894		OPEN	B 10
C895	139705-1	CAP, 0.33UF 50V 5% X7R 1206	B 9
C896	139705-1	CAP, 0.33UF 50V 5% X7R 1206	C 9
C897	C10208-4	100.UF 25V 20% RAD ELECT T/R	C 9
C898	C10208-4	100.UF 25V 20% RAD ELECT T/R	D 9
C899	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	E 9
C900	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 10
C901	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 9
C902	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 8
C903	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 7
C904	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	E 9
C906	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 8
C907	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 8
C917	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 9
C918	135505-1	CAP, 0.1UF 25V 10% X7R 0603	F 8
C930		OPEN	D 7
C931		OPEN	D 7
C932		OPEN	A 8
C933		OPEN	A 8
C936	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	E 7
C937		OPEN	C 8
C938		OPEN	C 8
C939		OPEN	C 8
C940		OPEN	C 8
C941		OPEN	C 8
C1000	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	K 7
C1001	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	L 7
C1002	131015-1	220UF 35V 20% RAD ELECT T/A	K 7
C1003	131015-1	220UF 35V 20% RAD ELECT T/A	L 7
C1004	133872-1	3900PF 5% 50V POLYESTER T/R	J 5
C1005	133873-1	8200PF 5% 50V POLYESTER T/R	J 5
C1006	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	J 5
C1007	A11369-471J2	CAP, 470PF 5% 50V SMT 0805	J 5
C1008	131015-1	220UF 35V 20% RAD ELECT T/A	I 7
C1009	131015-1	220UF 35V 20% RAD ELECT T/A	J 7
C1010	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	I 5
C1011		OPEN	I 5
C1012	140670-101J5	CAP, 100PF 5% 500V NPO 1206	K 2
C1013	140670-101J5	CAP, 100PF 5% 500V NPO 1206	K 2
C1014	140670-101J5	CAP, 100PF 5% 500V NPO 1206	H 2
C1015	140670-101J5	CAP, 100PF 5% 500V NPO 1206	H 2
C1016	C10208-4	100.UF 25V 20% RAD ELECT T/R	K 2
C1017	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	K 2
C1018	A10434-473JD	.047UF 250VDC 5% MET POLY T/A	I 3
C1019	A10434-473JD	.047UF 250VDC 5% MET POLY T/A	G 3
C1020	C10208-4	100.UF 25V 20% RAD ELECT T/R	G 2
C1021	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 2
C1022	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	I 7
C1023	140064-1	CAP, 2.2UF 50V 10% X7R 1812 CER	J 7
C1024		OPEN	K 2
C1025		OPEN	H 2
C1026	133872-1	3900PF 5% 50V POLYESTER T/R	F 5

C1027	133873-1	8200PF 5% 50V POLYESTER T/R	F 5
C1028	A11369-100J2	CAP, 10PF 5% 50V SMT 0805	F 5
C1029	A11369-471J2	CAP, 470PF 5% 50V SMT 0805	F 5
C1030		OPEN	E 2
C1031		OPEN	B 2
C1032	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	E 5
C1033		OPEN	E 5
C1034	140670-101J5	CAP, 100PF 5% 500V NPO 1206	E 2
C1035	140670-101J5	CAP, 100PF 5% 500V NPO 1206	E 2
C1036	140670-101J5	CAP, 100PF 5% 500V NPO 1206	B 2
C1037	140670-101J5	CAP, 100PF 5% 500V NPO 1206	B 2
C1038	C10208-4	100.UF 25V 20% RAD ELECT T/R	E 2
C1039	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C1040	A10434-473JD	.047UF 250VDC 5% MET POLY T/A	F 3
C1041	A10434-473JD	.047UF 250VDC 5% MET POLY T/A	D 3
C1042	C10208-4	100.UF 25V 20% RAD ELECT T/R	A 2
C1043	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	B 2
C1044	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 6
C1045	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 5
C1046	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	J 5
C1047	139705-1	CAP, 0.33UF 50V 5% X7R 1206	B 6
C1048	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	E 5
C1049	C 5362-6	2.2UF 50V VERT ELECT T/A	E 5
C1050	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	E 6
C1051		OPEN	D 6
C1052	139705-1	CAP, 0.33UF 50V 5% X7R 1206	E 5
C1053	A11427-224J5	0.22UF 50V 5% X7R 1206 T/R	D 5
C1054	A11427-224J5	0.22UF 50V 5% X7R 1206 T/R	D 5
C1055	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	F 5
C1056		OPEN	A 7
C1057	139705-1	CAP, 0.33UF 50V 5% X7R 1206	C 7
C1058	C 4477-3	470 UF 35V VERT	K 6
C1060	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 6
C1061	A11369-680J2	CAP, 68PF 5% 50V SMT 0805	H 5
C1062	A11369-680J2	CAP, 68PF 5% 50V SMT 0805	I 5
C1063	C 9465-3	10UF 50V 20% VERT ELECT T/A	L 6
C1064		OPEN	B 5
C1065		OPEN	B 5
C1066	140049-1	CAP, 0.1UF 630V 10% RAD CER	L 2
C1067		OPEN	B 7
C1068	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	B 7
C1069	140049-1	CAP, 0.1UF 630V 10% RAD CER	K 2
C1072	140049-1	CAP, 0.1UF 630V 10% RAD CER	J 2
C1073	140049-1	CAP, 0.1UF 630V 10% RAD CER	K 2
C1081	140049-1	CAP, 0.1UF 630V 10% RAD CER	H 2
C1082	140049-1	CAP, 0.1UF 630V 10% RAD CER	I 2
C1086	140049-1	CAP, 0.1UF 630V 10% RAD CER	H 2
C1087	140049-1	CAP, 0.1UF 630V 10% RAD CER	G 2
C1088	131310-2	CAP,1200UF 200VDC PC MNT ELECT	K 4
C1089		OPEN	L 4
C1090		OPEN	K 4
C1091	131310-2	CAP,1200UF 200VDC PC MNT ELECT	J 4
C1092	131310-2	CAP,1200UF 200VDC PC MNT ELECT	I 4
C1093		OPEN	J 4
C1094		OPEN	I 4
C1095	131310-2	CAP,1200UF 200VDC PC MNT ELECT	H 4
C1096	131310-2	CAP,1200UF 200VDC PC MNT ELECT	G 4
C1097	131310-2	CAP,1200UF 200VDC PC MNT ELECT	H 4
C1098	131310-2	CAP,1200UF 200VDC PC MNT ELECT	F 4

C1099	131310-2	CAP,1200UF 200VDC PC MNT ELECT	F 4
C1100		OPEN	E 4
C1101	131310-2	CAP,1200UF 200VDC PC MNT ELECT	E 4
C1102	131310-2	CAP,1200UF 200VDC PC MNT ELECT	D 4
C1103		OPEN	D 4
C1104	131310-2	CAP,1200UF 200VDC PC MNT ELECT	C 4
C1105	131310-2	CAP,1200UF 200VDC PC MNT ELECT	C 4
C1106		OPEN	B 4
C1107		OPEN	B 4
C1110	140049-1	CAP, 0.1UF 630V 10% RAD CER	B 3
C1111	140049-1	CAP, 0.1UF 630V 10% RAD CER	B 2
C1113	140049-1	CAP, 0.1UF 630V 10% RAD CER	B 2
C1114	140049-1	CAP, 0.1UF 630V 10% RAD CER	C 2
C1123	140049-1	CAP, 0.1UF 630V 10% RAD CER	E 2
C1124	140049-1	CAP, 0.1UF 630V 10% RAD CER	D 2
C1126	140049-1	CAP, 0.1UF 630V 10% RAD CER	F 2
C1129	140049-1	CAP, 0.1UF 630V 10% RAD CER	E 2
C1130	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 5
C1131	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 6
C1132	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	K 6
C1133	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	K 7
C1134	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 5
C1135	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 6
C1136	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 6
C1137	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 6
C1138	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 6
C1139	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 6
C1140	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 6
C1141	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 5
C1142	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	A 9
C1145		OPEN	A 5
C1146		OPEN	L 5
C1147	A11369-221J2	220 PF 50V 5% NPO MLC 0805 T/R	H 5
C1148	A10434-474JA	CAP,0.47UF 50V 5% MET POLY T/A	C 6
D300		OPEN	N 9
D301		OPEN	O 8
D302		OPEN	L 9
D303		OPEN	M 9
D304		OPEN	N 9
D305		OPEN	M 9
D502		OPEN	A 2
D503	135343-1	DIODE, DUAL MMBD4148SE SOT-23	A 2
D807	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	C 8
D808	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	C 8
D811	125593-1	DIODE, SCHOTTKY 40V 1A SMA	A 9
D812	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	A 9
D813	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 9
D814	125593-1	DIODE, SCHOTTKY 40V 1A SMA	B 9
D817	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 9
D818	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 9
D819	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 9
D821	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 8
D824	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 8
D827	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 9
D828	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	C 9
D1000	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	K 6
D1001	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	K 6
D1002	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	G 6
D1003	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	G 6

D1004	134347-1	FORMED, 134346-1 PAIR (R3060)	K 1
D1005	134347-1	FORMED, 134346-1 PAIR (R3060)	H 1
D1007	140214-1	DIODE, DFLU1400 SMD	K 2
D1011	140330-1	DIODE, 1N5349B RAD FRM 12V 5W	K 2
D1014	140214-1	DIODE, DFLU1400 SMD	H 2
D1018	140330-1	DIODE, 1N5349B RAD FRM 12V 5W	G 2
D1020	134347-1	FORMED, 134346-1 PAIR (R3060)	E 1
D1021	134347-1	FORMED, 134346-1 PAIR (R3060)	B 1
D1023	140214-1	DIODE, DFLU1400 SMD	E 2
D1027	140330-1	DIODE, 1N5349B RAD FRM 12V 5W	F 2
D1030	140214-1	DIODE, DFLU1400 SMD	B 2
D1034	140330-1	DIODE, 1N5349B RAD FRM 12V 5W	A 2
D1036	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 6
D1037	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	K 6
D1038	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	E 5
D1039	C 9929-8	TL431ACLP ADJ PREC RFNC T/A	E 6
D1040	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	D 5
E201		OPEN	D 11
E202		OPEN	D 11
E203		OPEN	B 11
E204		OPEN	A 11
F2		OPEN	A 6
F3		OPEN	J 6
FB1	125846-1	FERRITE BEAD, 600 OHM .5A 0805	H 6
FB2	125846-1	FERRITE BEAD, 600 OHM .5A 0805	F 11
FB3	125846-1	FERRITE BEAD, 600 OHM .5A 0805	F 11
FB4	125846-1	FERRITE BEAD, 600 OHM .5A 0805	G 11
FB5	125846-1	FERRITE BEAD, 600 OHM .5A 0805	G 11
FB6	125846-1	FERRITE BEAD, 600 OHM .5A 0805	I 11
FB7	125846-1	FERRITE BEAD, 600 OHM .5A 0805	I 11
FB8	125846-1	FERRITE BEAD, 600 OHM .5A 0805	I 11
FB9	125846-1	FERRITE BEAD, 600 OHM .5A 0805	I 11
FB11		OPEN	G 10
FB12		OPEN	G 10
FB13		OPEN	H 10
FB14		OPEN	H 10
FB15		OPEN	I 10
FB16		OPEN	I 9
FB17		OPEN	I 9
FB18		OPEN	I 9
FB19		OPEN	I 10
FB20		OPEN	I 10
FB21		OPEN	I 9
FB23		OPEN	P 4
FB260		OPEN	E 11
FB261		OPEN	D 11
FB262		OPEN	B 11
FB263		OPEN	B 11
FB264		OPEN	C 11
FB265		OPEN	D 11
FB266		OPEN	A 11
FB267		OPEN	A 11
FB301		OPEN	O 5
FB302		OPEN	N 5
FB800	125694-1	FERRITE BEAD, 2A SMT 4532	A 8
FB801	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 7
FB802	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 8
FB803	125694-1	FERRITE BEAD, 2A SMT 4532	B 8
FB806	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 9

FB807	125846-1	FERRITE BEAD, 600 OHM .5A 0805	C 9
FB816	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 8
FB1000	125846-1	FERRITE BEAD, 600 OHM .5A 0805	J 7
FB1001	125846-1	FERRITE BEAD, 600 OHM .5A 0805	K 7
FB1002	125846-1	FERRITE BEAD, 600 OHM .5A 0805	I 7
FB1003	125846-1	FERRITE BEAD, 600 OHM .5A 0805	I 7
FB1004	125846-1	FERRITE BEAD, 600 OHM .5A 0805	E 5
FB1005	125846-1	FERRITE BEAD, 600 OHM .5A 0805	E 5
HW1	140089-1	SPRING, NEGATIVE CONTACT	E 11
HW2	133915-1	THREADED NUT W/FAST-ON	D 3
HW2X		OPEN	N 2
HW3	133915-1	THREADED NUT W/FAST-ON	E 3
HW4	133915-1	THREADED NUT W/FAST-ON	E 3
HW5	133915-1	THREADED NUT W/FAST-ON	F 3
HW6	133915-1	THREADED NUT W/FAST-ON	G 3
HW7	133915-1	THREADED NUT W/FAST-ON	H 3
HW8	133915-1	THREADED NUT W/FAST-ON	H 3
HW9	133915-1	THREADED NUT W/FAST-ON	I 3
HW10		OPEN	F 6
HW11		OPEN	H 6
HW12		OPEN	C 12
HW13		OPEN	O 3
HW14		OPEN	O 3
HW15		OPEN	O 2
HW16		OPEN	O 1
HW17		OPEN	O 3
HW18		OPEN	O 1
HW20		OPEN	N 3
HW23		OPEN	N 2
HW24		OPEN	M 2
HW27		OPEN	N 1
HW28		OPEN	M 1
HW29		OPEN	N 2
HW30		OPEN	N 1
HW31		OPEN	N 3
HW32		OPEN	M 3
HW33		OPEN	N 3
HW34		OPEN	N 3
HW300		OPEN	P 11
HW301		OPEN	O 11
HW302		OPEN	M 11
HW303		OPEN	N 11
HW304		OPEN	M 11
HW305		OPEN	L 11
HW306		OPEN	J 11
HW307		OPEN	K 11
J1	138976-1	CONN, USB B RA TH	E 12
J5	138319-1	XLR, FEM HORZ PC PLASTIC	G 11
J6	138319-1	XLR, FEM HORZ PC PLASTIC	I 11
J7		OPEN	H 10
J8		OPEN	F 10
J9	C10612-7	PC MOUNT SCREW TERMINAL	H 12
J10	140806-1	HDR, LATCH/EJECT 14 PIN .1X.1	H 11
J12		OPEN	F 10
J13		OPEN	I 10
J14		OPEN	H 9
J15		OPEN	D 11
J16		OPEN	D 8
J17	127064-1	TEST POINT, SMT 1206	A 8

J101		OPEN	D 11
J201		OPEN	B 11
J300		OPEN	O 8
J301		OPEN	N 3
J302		OPEN	O 3
J303		OPEN	O 1
J304		OPEN	N 1
J305		OPEN	O 3
J306		OPEN	O 2
J399		OPEN	N 5
J500A	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	L 2
J500B	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	F 2
J501A	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	J 2
J501B	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	D 2
J502A	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	I 2
J502B	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	C 2
J503A	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	G 2
J503B	140717-1	CONN,10P VERT .1CTRS SMD W/ALIGN PIN BLK	A 2
J800	136627-1	HDR, LATCH/EJECT 24PIN .1X.1	B 7
J1000	141454-1	CON, HDR F 30P 0.1" DROW GLD TH VRT	J 6
J1001	141454-1	CON, HDR F 30P 0.1" DROW GLD TH VRT	F 6
J1010	131159-1	RECEP,32P VERT TOP & BOT ENTRY	H 6*
J1011	130640-1	HEADER,3M LATCH 26 PIN .1X.1	B 5
J1012	131315-2	HDR, 6PIN MATE N LOK IN LINE	A 4
J1014		OPEN	A 6
J1015	140302-1	CON, 4PIN .1 CTR FRICTION LOCK/POLAR PIN	J 6
L300		OPEN	O 9
L301		OPEN	P 9
L302		OPEN	P 5
L303		OPEN	K 9
L304		OPEN	K 9
L305		OPEN	N 5
L800	139710-1	IND, 10UH 1.8A 5.2X5.2	A 9
L801	139710-1	IND, 10UH 1.8A 5.2X5.2	B 9
L802	139710-1	IND, 10UH 1.8A 5.2X5.2	A 9
L1000	137717-1	IDCTR, 470UH PM75 10% SMD T/R	K 2
L1001	137717-1	IDCTR, 470UH PM75 10% SMD T/R	H 2
L1002	137717-1	IDCTR, 470UH PM75 10% SMD T/R	E 2
L1003	137717-1	IDCTR, 470UH PM75 10% SMD T/R	B 2
L1004	139710-1	IND, 10UH 1.8A 5.2X5.2	A 6
L1005	139710-1	IND, 10UH 1.8A 5.2X5.2	B 6
L1006	137450-1	INDUCTOR, 3.3UH 290ma SMD	H 5
L1007	137450-1	INDUCTOR, 3.3UH 290ma SMD	H 5
L1008		OPEN	B 6
L1009	140543-1	IND, 100UH 1A 10X12.7 SMD	J 7
P4	140367-1	CBL, 50POS PCB W/HDR 3.5IN MOLDED	B 7
P5	138443-1	XLR, MALE HORZ PC PLASTIC	F 11
P6	138443-1	XLR, MALE HORZ PC PLASTIC	I 11
P102		OPEN	D 11
P202		OPEN	A 11
PWB1	140265-5	PWB, MAI/ITECH-HD/TRIDENT PANEL 2	A 1
Q802	134833-1	FET, N-CH JFET 30V SOT-23	E 9
Q804	134833-1	FET, N-CH JFET 30V SOT-23	E 8
Q805	C 7448-1	MMBT3904 CHIP NPN	C 8
Q806	C 7448-1	MMBT3904 CHIP NPN	C 8
Q811	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 7
Q812	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 7
Q1000	137024-1	FORMED, 136905-1 FET (20N50)	L 1
Q1001	137024-1	FORMED, 136905-1 FET (20N50)	L 1

Q1002	137024-1	FORMED, 136905-1 FET (20N50)	J 1
Q1003	137024-1	FORMED, 136905-1 FET (20N50)	J 1
Q1004	137024-1	FORMED, 136905-1 FET (20N50)	I 1
Q1005	137024-1	FORMED, 136905-1 FET (20N50)	I 1
Q1006	137024-1	FORMED, 136905-1 FET (20N50)	G 1
Q1007	137024-1	FORMED, 136905-1 FET (20N50)	G 1
Q1008	137024-1	FORMED, 136905-1 FET (20N50)	F 1
Q1009	137024-1	FORMED, 136905-1 FET (20N50)	F 1
Q1010	137024-1	FORMED, 136905-1 FET (20N50)	D 1
Q1011	137024-1	FORMED, 136905-1 FET (20N50)	D 1
Q1012	137024-1	FORMED, 136905-1 FET (20N50)	C 1
Q1013	137024-1	FORMED, 136905-1 FET (20N50)	C 1
Q1014	137024-1	FORMED, 136905-1 FET (20N50)	A 1
Q1015	137024-1	FORMED, 136905-1 FET (20N50)	A 1
Q1016	102483-1	PNP 300V 500MA SOT-23	B 6
Q1017	C 7448-1	MMBT3904 CHIP NPN	D 6
Q1018		OPEN	C 7
Q1019	C 7448-1	MMBT3904 CHIP NPN	C 7
R62	A11371-8205	82 OHM 1W 5% SMD 2512	G 11
R63		OPEN	H 11
R64		OPEN	H 11
R65		OPEN	H 11
R66	A11371-8205	82 OHM 1W 5% SMD 2512	I 11
R67		OPEN	H 11
R68		OPEN	H 11
R69		OPEN	H 11
R72	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	F 11
R73		OPEN	F 10
R98		OPEN	G 10
R102	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	F 11
R103		OPEN	F 10
R260		OPEN	D 11
R261		OPEN	C 11
R262		OPEN	C 11
R263		OPEN	C 11
R264		OPEN	D 11
R265		OPEN	A 11
R266		OPEN	B 11
R267		OPEN	C 11
R268		OPEN	C 11
R269		OPEN	C 11
R270		OPEN	D 11
R271		OPEN	D 11
R272		OPEN	D 11
R273		OPEN	D 11
R274		OPEN	D 11
R275		OPEN	D 11
R276		OPEN	B 11
R277		OPEN	A 11
R278		OPEN	A 11
R279		OPEN	B 11
R280		OPEN	A 11
R281		OPEN	A 11
R300		OPEN	N 9
R301		OPEN	N 9
R302		OPEN	M 9
R303		OPEN	N 10
R304		OPEN	N 9
R305		OPEN	O 10

R306	OPEN	N 9
R307	OPEN	O 11
R308	OPEN	M 10
R309	OPEN	O 10
R310	OPEN	N 10
R311	OPEN	P 10
R312	OPEN	M 10
R313	OPEN	O 10
R314	OPEN	N 10
R315	OPEN	P 8
R316	OPEN	P 8
R317	OPEN	P 8
R318	OPEN	P 8
R319	OPEN	P 8
R320	OPEN	P 8
R321	OPEN	P 8
R322	OPEN	P 9
R323	OPEN	P 9
R324	OPEN	P 9
R325	OPEN	P 10
R326	OPEN	P 10
R327	OPEN	P 10
R328	OPEN	P 10
R329	OPEN	P 10
R330	OPEN	P 9
R331	OPEN	P 9
R332	OPEN	P 7
R333	OPEN	P 7
R334	OPEN	P 7
R335	OPEN	P 7
R336	OPEN	P 7
R337	OPEN	P 6
R338	OPEN	P 6
R339	OPEN	P 6
R340	OPEN	P 6
R341	OPEN	L 9
R342	OPEN	M 9
R343	OPEN	M 9
R344	OPEN	L 10
R345	OPEN	M 9
R346	OPEN	L 9
R347	OPEN	L 9
R348	OPEN	M 10
R349	OPEN	L 11
R350	OPEN	L 10
R351	OPEN	K 10
R352	OPEN	M 10
R353	OPEN	K 10
R354	OPEN	L 10
R355	OPEN	K 10
R356	OPEN	L 9
R357	OPEN	L 9
R358	OPEN	L 8
R359	OPEN	J 8
R360	OPEN	J 8
R361	OPEN	J 8
R362	OPEN	J 9
R363	OPEN	J 9
R364	OPEN	J 9

R365		OPEN	J 9
R366		OPEN	J 9
R367		OPEN	J 9
R368		OPEN	J 10
R369		OPEN	J 10
R370		OPEN	J 10
R371		OPEN	J 10
R372		OPEN	J 10
R373		OPEN	L 8
R374		OPEN	L 8
R375		OPEN	L 8
R376		OPEN	L 8
R377		OPEN	K 8
R378		OPEN	K 8
R379		OPEN	K 8
R380		OPEN	K 8
R381		OPEN	K 8
R382	A11371-5R65	5.6 OHM 1W 5% 2512 T/R	E 11
R383		OPEN	F 10
R384		OPEN	O 6
R385		OPEN	O 6
R386		OPEN	N 6
R387		OPEN	N 6
R394		OPEN	O 5
R395		OPEN	O 5
R800	A11368-69821	RES, 69.8K 1% 0.1W SMT 0805	D 9
R801		OPEN	E 9
R802	A11368-69821	RES, 69.8K 1% 0.1W SMT 0805	D 8
R803		OPEN	E 8
R804	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 9
R805	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 9
R806	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 9
R807	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 9
R816	A11368-33R21	33.2 OHM 1% 0805 RES T/R	C 7
R818		OPEN	B 7
R819	A11368-33R21	33.2 OHM 1% 0805 RES T/R	B 8
R820	A11368-82501	RES, 825 OHM 1% 0.1W 0805	B 7
R821		OPEN	A 7
R822		OPEN	D 7
R823		OPEN	D 8
R824		OPEN	C 8
R825		OPEN	C 8
R826	A11368-33R21	33.2 OHM 1% 0805 RES T/R	F 9
R827	A11368-33R21	33.2 OHM 1% 0805 RES T/R	F 8
R828	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	B 8
R829	A11371-0R02	RES, 0 OHM 1206 50 MILOHM MAX	J 6
R830		OPEN	A 6
R831	A11368-57621	57.6KOHM 0.1W 1% 0805 T/R	D 9
R832	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	E 9
R833	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 9
R834	A11368-35721	35.7 KOHM 0.1W 1% 0805 T/R	D 9
R835	A11368-10041	1M OHM .1W 1% CHIP 0805	E 9
R836	A11368-49931	499KOHM .1W 1% 0805 T/R	E 9
R837		OPEN	B 7
R838	A11368-18231	182 KOHM 1% 0.10W 0805	D 9
R839	A11368-97601	976 OHM 1% 0.1W 0805 T/R	D 9
R840	A11368-15021	15.0K, 0.10W 1% MF 0805	D 9
R841	A11368-37411	3.74K OHM 1% 0.1W 0805 T/R	D 10
R842	A11368-18221	18.2KOHM 0.1W 1% CHIP 0805	D 10

R843	A11368-69810	RES, 6.98 KOHM 1/16W 1% 0603	D 10
R844	A11368-36521	36.5K OHM 0.1W 1% 0805 T/R	E 10
R845	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	E 9
R846	A11368-40201	402 OHM 1% 0805 RES T/R	E 9
R847	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	E 9
R848	133871-1	TRIMPOT, 500 OHM TOP ADJ T/R	E 9
R849	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	E 9
R850		OPEN	C 7
R851		OPEN	C 7
R852	A11371-0R02	RES, 0 OHM 1206 50 MILOHM MAX	E 9
R853	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	C 7
R854	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	C 8
R855	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	C 8
R856	A11368-17821	17.8 KOHM 1% 0.1W 0805 T/R	D 8
R870	A11368-49931	499KOHM .1W 1% 0805 T/R	H 7
R871	A11368-33R21	33.2 OHM 1% 0805 RES T/R	D 7
R872	A11368-33R21	33.2 OHM 1% 0805 RES T/R	D 7
R873	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 7
R874	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 7
R877	A11368-47510	RES, 4.75 KOHM 1/16W 1% 0603	A 10
R879	A11368-11020	RES, 11.0 KOHM 1/16W 1% 0603	A 10
R881	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 8
R882	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 8
R883	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 8
R884	133981-1	2.49K 0.1% 0.1W 0805 THIN FILM	D 8
R896	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 8
R904	A11368-57621	57.6KOHM 0.1W 1% 0805 T/R	D 8
R905	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	E 8
R906	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 8
R907	A11368-35721	35.7 KOHM 0.1W 1% 0805 T/R	D 8
R908	A11368-10041	1M OHM .1W 1% CHIP 0805	E 8
R909	A11368-49931	499KOHM .1W 1% 0805 T/R	E 8
R910	A11368-49931	499KOHM .1W 1% 0805 T/R	G 7
R911	A11368-18231	182 KOHM 1% 0.10W 0805	D 8
R912	A11368-97601	976 OHM 1% 0.1W 0805 T/R	D 8
R913	A11368-15021	15.0K, 0.10W 1% MF 0805	D 8
R914	A11368-37411	3.74K OHM 1% 0.1W 0805 T/R	D 7
R915	A11368-18221	18.2KOHM 0.1W 1% CHIP 0805	D 7
R916	A11368-69810	RES, 6.98 KOHM 1/16W 1% 0603	D 7
R917	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	E 7
R918	A11368-40201	402 OHM 1% 0805 RES T/R	E 8
R919	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	E 8
R920	133871-1	TRIMPOT, 500 OHM TOP ADJ T/R	E 8
R921	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	E 8
R922	A11371-0R02	RES, 0 OHM 1206 50 MILOHM MAX	E 8
R923	A11368-36521	36.5K OHM 0.1W 1% 0805 T/R	E 7
R924	A11368-17821	17.8 KOHM 1% 0.1W 0805 T/R	D 8
R925	A11368-15021	15.0K, 0.10W 1% MF 0805	A 10
R926	A11368-47510	RES, 4.75 KOHM 1/16W 1% 0603	A 10
R927	A11368-36520	RES, 36.5 KOHM 1/16W 1% 0603	A 10
R928	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 10
R929	A11368-36521	36.5K OHM 0.1W 1% 0805 T/R	B 10
R930	A11368-52320	RES, 52.3K OHM 1% 1/16W 0603	B 10
R931	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 10
R932	A11368-57621	57.6KOHM 0.1W 1% 0805 T/R	B 10
R933	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	B 10
R935	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	H 6
R952		OPEN	H 7
R953		OPEN	G 7

R963		OPEN	D 7
R964		OPEN	D 7
R966		OPEN	D 8
R967		OPEN	D 8
R970	A11368-30110	3.01KOHM 1/16W 1% 0603 T/R	B 9
R971	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 9
R972	A11368-30110	3.01KOHM 1/16W 1% 0603 T/R	B 9
R973	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 9
R974	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	B 9
R975	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 9
R978	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 8
R979	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	B 8
R980		OPEN	H 7
R981		OPEN	H 7
R982		OPEN	G 7
R983		OPEN	F 7
R985	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 8
R986	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 6
R987	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 6
R988	A11368-10011	1.KOHM .1W 1% CHIP 0805	D 6
R989	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 6
R990	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 6
R991	A11368-10011	1.KOHM .1W 1% CHIP 0805	D 6
R992	A11368-24911	2.49K 1/10W 1% SMD 0805 T/R	B 8
R993	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 8
R994	A11368-30110	3.01KOHM 1/16W 1% 0603 T/R	B 8
R998		OPEN	L 11
R999	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	E 10
R1000	A11368-17821	17.8 KOHM 1% 0.1W 0805 T/R	J 5
R1001	A11368-68111	6.81K 0.10W 1% CHIP 0805	J 5
R1002	A11368-68111	6.81K 0.10W 1% CHIP 0805	J 5
R1003		OPEN	K 5
R1004		OPEN	K 5
R1005	A11368-10041	1M OHM .1W 1% CHIP 0805	K 5
R1006	140065-1	TRIMPOT, 100K OHM TOP ADJ T-R	K 5
R1007	132095-1	NTC, 20K J 2% W/CONNECTOR	L 2
R1008	133932-1	RES, 47KOHM 5% 1W RADIAL	J 3
R1009	133932-1	RES, 47KOHM 5% 1W RADIAL	K 3
R1010	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	K 2
R1011	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	K 2
R1012	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1013	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1014	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1015	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1016	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1017	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1018	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1019	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1020	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1021	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	J 3
R1022	133932-1	RES, 47KOHM 5% 1W RADIAL	J 2
R1023	133932-1	RES, 47KOHM 5% 1W RADIAL	H 2
R1024	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	H 2
R1025	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	H 2
R1027		OPEN	F 5
R1028	A11368-17821	17.8 KOHM 1% 0.1W 0805 T/R	E 5
R1029	A11368-68111	6.81K 0.10W 1% CHIP 0805	F 5
R1030	A11368-68111	6.81K 0.10W 1% CHIP 0805	F 5
R1031		OPEN	G 5

R1032		OPEN	G 5
R1033	A11368-10041	1M OHM .1W 1% CHIP 0805	G 5
R1034	140065-1	TRIMPOT, 100K OHM TOP ADJ T-R	G 5
R1035	132095-1	NTC, 20K J 2% W/CONNECTOR	F 2
R1036	133932-1	RES, 47KOHM 5% 1W RADIAL	D 2
R1037	133932-1	RES, 47KOHM 5% 1W RADIAL	E 2
R1038		OPEN	H 7
R1039	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	E 2
R1040	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1041	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1042	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1043	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1044	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1045	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1046	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1047	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1048	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1049	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 3
R1050	133932-1	RES, 47KOHM 5% 1W RADIAL	C 3
R1051	133932-1	RES, 47KOHM 5% 1W RADIAL	B 3
R1052	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	E 2
R1053	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	B 2
R1054	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 5
R1055	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 5
R1056	A11371-5R63	5.6 OHM .25W 5% 1210 T/R	B 2
R1057	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 5
R1058	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 5
R1059		OPEN	E 6
R1060		OPEN	G 5
R1061		OPEN	K 5
R1062	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	C 6
R1063	A11368-10021	10K 1/10W 1% SMD 0805 T/R	C 6
R1064	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	C 6
R1065	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	K 6
R1066	A11368-40212	4.02KOHM .125W 1% CHIP RES T/R	K 6
R1067	A11368-10011	1.KOHM .1W 1% CHIP 0805	E 5
R1068	A11368-78721	78.7KOHM 0.1W 1% 0805 T/R	E 5
R1069	A11368-90911	9.09 KOHM .1W 1% 0805 T/R	E 5
R1070	A11368-49911	4.99K 1/10W 1% SMD 0805 T/R	E 6
R1071	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 6
R1072	A11368-10021	10K 1/10W 1% SMD 0805 T/R	D 6
R1073	A11368-10021	10K 1/10W 1% SMD 0805 T/R	E 6
R1074	A11368-20022	20. KOHM .125W 1% CHIP RES T/R	D 6
R1075	A11368-20030	RES, 200 KOHM 1/16W 1% 0603	E 5
R1076	A11368-10021	10K 1/10W 1% SMD 0805 T/R	E 5
R1077	A11368-35721	35.7 KOHM 0.1W 1% 0805 T/R	E 5
R1078	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	E 5
R1079	A11368-20030	RES, 200 KOHM 1/16W 1% 0603	D 5
R1080	A11368-36520	RES, 36.5 KOHM 1/16W 1% 0603	D 5
R1081		OPEN	B 7
R1082	A11368-10001	100 OHM 1% 0805 RES T/R	G 2
R1083	A11368-10001	100 OHM 1% 0805 RES T/R	A 2
R1089	A11368-10021	10K 1/10W 1% SMD 0805 T/R	B 7
R1095		OPEN	B 7
R1097	A11368-10011	1.KOHM .1W 1% CHIP 0805	B 7
R1103	A11368-18202	182 OHM .125W 1% 1206 T/R	I 6
R1104	A11368-18202	182 OHM .125W 1% 1206 T/R	I 6
R1105	A11368-40R21	RES, 40.2 OHM 1% 0.1W SMT 0805	H 5
R1108	A11371-2202	22 OHM 1/8W 5% CHIP RES T/R	H 6

R1109	A11371-2202	22 OHM 1/8W 5% CHIP RES T/R	H 6
R1112	A11368-20011	2.0K, 0.10W 1% MF 0805	H 5
R1113	A11368-10041	1M OHM .1W 1% CHIP 0805	I 5
R1114	A11368-15021	15.0K, 0.10W 1% MF 0805	K 6
R1115	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	K 6
R1116	A11368-10021	10K 1/10W 1% SMD 0805 T/R	K 6
R1117	A11368-12421	12.4K 1/10W 1% SMD 0805 T/R	K 6
R1118	A11368-10001	100 OHM 1% 0805 RES T/R	D 6
R1119	A11368-47511	4.75KOHM 0.10W 1% CHIP 0805	D 5
R1120	A11368-20532	205KOHM .125W 1% 1206 T/R	D 5
R1121	A11368-11531	115K 1/10W 1% SMD 0805 T/R	D 5
R1122	A11368-47511	4.75KOHM 0.10W 1% CHIP 0805	D 5
R1123	A11368-11531	115K 1/10W 1% SMD 0805 T/R	D 5
R1124	A11368-20532	205KOHM .125W 1% 1206 T/R	D 5
R1125	A11371-8235	82K OHM 5% 1W 2512 T/R	B 4
R1126	A11371-8235	82K OHM 5% 1W 2512 T/R	B 5
R1163	A11368-1R004	1 OHM 0.5W 1% 2010 T/R	A 5
R1164	A11368-1R004	1 OHM 0.5W 1% 2010 T/R	A 5
R1165	A11368-1R004	1 OHM 0.5W 1% 2010 T/R	L 5
R1166	A11368-1R004	1 OHM 0.5W 1% 2010 T/R	L 5
R1167		OPEN	E 10
R1168		OPEN	K 6
R1169		OPEN	B 10
R1201	A11371-0R02	RES, 0 OHM 1206 50 MILOHM MAX	B 6
R1220		OPEN	C 8
R1221		OPEN	C 8
R1222		OPEN	C 8
R1223		OPEN	C 8
R1224		OPEN	C 8
R1225		OPEN	C 8
R1226		OPEN	C 8
T300X		OPEN	N 8
T301		OPEN	O 7
T302		OPEN	M 7
TB1		OPEN	G 10
TJ1000	137164-1	HEADER, 14PIN .1X.1 PIN8 VOID	F 6
TP300		OPEN	N 9
TP301		OPEN	O 9
TP302		OPEN	N 10
TP303		OPEN	P 9
TP304		OPEN	P 5
TP305		OPEN	M 9
TP306		OPEN	L 9
TP307		OPEN	L 10
TP308		OPEN	J 11
TP309		OPEN	P 5
TP310		OPEN	M 5
TP311		OPEN	J 8
TP801		OPEN	D 9
TP806		OPEN	D 9
TP818		OPEN	D 8
TP825		OPEN	D 8
TP826		OPEN	A 2
TP847	127064-1	TEST POINT, SMT 1206	E 10
TP848	127064-1	TEST POINT, SMT 1206	A 9
TP1000	127064-1	TEST POINT, SMT 1206	J 6
TP1001	127064-1	TEST POINT, SMT 1206	J 6
TP1002	127064-1	TEST POINT, SMT 1206	J 6
TP1003	127064-1	TEST POINT, SMT 1206	K 6

TP1004	127064-1	TEST POINT, SMT 1206	K 6
TP1006		OPEN	B 6
TP1008	127064-1	TEST POINT, SMT 1206	E 8
TP1010	127064-1	TEST POINT, SMT 1206	C 6
TP1011	127064-1	TEST POINT, SMT 1206	E 7
TP1013		OPEN	B 6
TP1014		OPEN	A 6
TP1015		OPEN	I 6
TP1016	127064-1	TEST POINT, SMT 1206	K 6
TP1017	127064-1	TEST POINT, SMT 1206	H 7
TP1018	127064-1	TEST POINT, SMT 1206	C 5
TP1019	127064-1	TEST POINT, SMT 1206	I 6
TP1020		OPEN	J 6
U300		OPEN	M 9
U301		OPEN	N 9
U302		OPEN	M 9
U303		OPEN	M 9
U800	C 8262-5	MC33078D LOW NOISE DUAL OP AMP	D 8
U802	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	D 9
U803	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	D 7
U804	140109-1	IC, DUAL SW REG 1.4A LT3508 TSSOP16	B 9
U807	134835-1	OP AMP,OP07 LOW OFFSET SO8	E 9
U808	126559-1	COMPARATOR, LM393 SO-8 DUAL	F 8
U814	134835-1	OP AMP,OP07 LOW OFFSET SO8	E 8
U819	131262-1	CONV, A/D SERIAL 8CH 10BIT SMT	B 8
U825		OPEN	D 7
U826	102484-1	REG +15V D2PAK 2.25W	C 10
U827	102485-1	REG -15V D2PAK 2.25W	D 10
U828		OPEN	C 8
U1000	102484-1	REG +15V D2PAK 2.25W	K 7
U1001	102485-1	REG -15V D2PAK 2.25W	L 7
U1002	102484-1	REG +15V D2PAK 2.25W	I 7
U1003	102485-1	REG -15V D2PAK 2.25W	J 7
U1004	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	D 6
U1005	C 9038-8	COMPARATOR, QUAD LM339D SO-14	K 6
U1006	C 9038-8	COMPARATOR, QUAD LM339D SO-14	D 5
U1007	126540-1	IC,QUAD 2 INPUT NOR GATE SO-14	I 6
U1008	C 9898-5	78L05ACM 5V 5%RES SO-8 SMT	H 5
U1009	125867-1	MC74HC4024D 7 STAGE COUNTER SM	H 5
U1010	126540-1	IC,QUAD 2 INPUT NOR GATE SO-14	H 6
W1A-B		OPEN	O 5
W2A-B		OPEN	P 5
W3A-B		OPEN	M 5
W4A-B		OPEN	M 5
W5A-B		OPEN	O 5
W6A-B		OPEN	O 5
W7A-B		OPEN	N 5
W1234		OPEN	O 5
Y1000	131114-1	CRYSTAL, 4MHZ SMD	I 5

REVISION HISTORY						
E.C.N	REV	DESCRIPTION	DATE	DWN	PE	CM
	A	INITIAL RELEASE DERIVED FROM 140582-2 REV. 1 WITH THE FOLLOWING CHANGES: PWB1 WAS 140581-2. ADDED E1X, E2X, E7X, E10X, AND E15X.	01/19/09	KLW	TJS	KZ

UNLESS OTHERWISE SPECIFIED, THIS PRINTED WIRING ASSEMBLY SHALL MEET THE SPECIFICATION DESCRIBED IN IPC-A-610_ CLASS 2 STANDARDS.

ROHS COMPLIANCE: THIS PART MUST COMPLY WITH CROWN AUDIO SPECIFICATION 138935 AND ROHS DIRECTIVE 2002/95/EC OR BE DEFINED AS A ROHS APPROVED EXCEPTION.

NOTES:

1. PRINTED WIRING BOARD PART NUMBER 140581-3.
2. SEE 140582-3_A.TIF FOR SCHEMATIC AND BOARD MAP
3. ALL LEADS SHALL BE TRIMMED TO 0.093" OR LESS.
4. POSITION COMPONENTS AS SHOWN ON COMPONENT MAP.
5. THE PRINTED WIRING ASSEMBLY PART NUMBER FOR THIS ASSEMBLY SHALL BE PRINTED ON A BLANK LABEL (P/N 127269-1) AND PLACED ON THE BOTTOM SIDE OF THE PRINTED WIRING BOARD.
6. MAP LOCATIONS DENOTED BY AN ASTERISK (*), INDICATE COMPONENTS MOUNTED ON THE BOTTOM SIDE OF THE PRINTED WIRING BOARD.



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DWN	KLW	01/19/09	PE	TJS	01/19/09	CM	KZ	01/23/09	DIST.	A		
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REF. DES.	CPN	DESCRIPTION	MAP LOC.
C1	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 1
C2	135505-1	CAP, 0.1UF 25V 10% X7R 0603	F 1
C3		OPEN	I 1
C4	139947-1	CAP, 10UF 10V 10% X5R 1206	I 2
C5	135505-1	CAP, 0.1UF 25V 10% X7R 0603	H 2
C6	135505-1	CAP, 0.1UF 25V 10% X7R 0603	H 2
C7	139947-1	CAP, 10UF 10V 10% X5R 1206	I 2
C8	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2
C9	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 1
C10	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 1
C11	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 1
C12	139947-1	CAP, 10UF 10V 10% X5R 1206	C 1
C13	139947-1	CAP, 10UF 10V 10% X5R 1206	G 1
D1	140095-1	LED, CEQUEL BACKLIGHT	E 1
E1	140077-2	LED, 2.5MM ROUND TOP BLUE	L 1
E1X	141051-1	SPCR, 4.0MMODX4.5MM NYL66	L 1
E2	140078-2	LED, 2.5MM ROUND TOP GREEN	B 1
E2X	141050-1	SPCR,4.0MMODX2.0MM NYL66	B 1
E3	140078-2	LED, 2.5MM ROUND TOP GREEN	B 1
E4	140078-2	LED, 2.5MM ROUND TOP GREEN	B 1
E5	140078-2	LED, 2.5MM ROUND TOP GREEN	B 1
E6	140079-2	LED, 2.5MM ROUND TOP RED	B 2
E7	140079-2	LED, 2.5MM ROUND TOP RED	B 2
E7X	141050-1	SPCR,4.0MMODX2.0MM NYL66	B 2
E10	140078-2	LED, 2.5MM ROUND TOP GREEN	I 1
E10X	141050-1	SPCR,4.0MMODX2.0MM NYL66	I 1
E11	140078-2	LED, 2.5MM ROUND TOP GREEN	I 1
E12	140078-2	LED, 2.5MM ROUND TOP GREEN	I 1
E13	140078-2	LED, 2.5MM ROUND TOP GREEN	I 1
E14	140079-2	LED, 2.5MM ROUND TOP RED	I 2
E15	140079-2	LED, 2.5MM ROUND TOP RED	I 2
E15X	141050-1	SPCR,4.0MMODX2.0MM NYL66	I 2
E16	140076-1	LCD, CEQUEL SERIES	E 1
J1	140693-1	CBL, RBN 24POS PCB W/HDR 11.7IN	H 1*
PWB1	140581-3	PWB, XTI6000 DISPLAY	A 1
Q1	C 7448-1	MMBT3904 CHIP NPN	K 1
R2	A11368-24901	249 OHM 0.1W 1% 0805 T/R	G 2
R3	A11368-24901	249 OHM 0.1W 1% 0805 T/R	G 2
R4	A11368-24901	249 OHM 0.1W 1% 0805 T/R	G 2
R18	A11368-10011	1.KOHM .1W 1% CHIP 0805	K 1
R19	A11368-10011	1.KOHM .1W 1% CHIP 0805	K 1
R21	A11368-10011	1.KOHM .1W 1% CHIP 0805	D 2
R26	A11368-10011	1.KOHM .1W 1% CHIP 0805	C 1
R27	A11368-10011	1.KOHM .1W 1% CHIP 0805	I 1
R29	A11368-10021	10K 1/10W 1% SMD 0805 T/R	J 2
R73	138593-1	POT, ALPHA RV110T-40E1-125A-B10K-0E	C 1
R74	138593-1	POT, ALPHA RV110T-40E1-125A-B10K-0E	H 1
R79	A11368-24901	249 OHM 0.1W 1% 0805 T/R	D 1
R80	A11368-24901	249 OHM 0.1W 1% 0805 T/R	D 2
R81	A11368-24901	249 OHM 0.1W 1% 0805 T/R	D 2
R82	A11368-24901	249 OHM 0.1W 1% 0805 T/R	C 2
R83	A11368-24901	249 OHM 0.1W 1% 0805 T/R	C 2
R84	A11368-24901	249 OHM 0.1W 1% 0805 T/R	C 2
R87	A11368-24901	249 OHM 0.1W 1% 0805 T/R	D 1
R88	A11368-24901	249 OHM 0.1W 1% 0805 T/R	D 2
R89	A11368-24901	249 OHM 0.1W 1% 0805 T/R	I 1

R90	A11368-24901	249 OHM 0.1W 1% 0805 T/R	I 1
R91	A11368-24901	249 OHM 0.1W 1% 0805 T/R	I 1
R92	A11368-24901	249 OHM 0.1W 1% 0805 T/R	I 1
S4	136731-1	SWITCH,DPDT 2.2MM MOMENTARY PB	D 1
S5	136731-1	SWITCH,DPDT 2.2MM MOMENTARY PB	E 1
S6	136731-1	SWITCH,DPDT 2.2MM MOMENTARY PB	F 1
U1	140075-1	CONTROLLER, LCD HT1622	E 1*
U15	140091-1	IC, SHIFT REGISTER 8 BIT WITH LATCH	C 1
U21	140091-1	IC, SHIFT REGISTER 8 BIT WITH LATCH	I 1

REVISION HISTORY						
E.C.N	REV	DESCRIPTION	DATE	DWN	PE	CM
	A	INITIAL RELEASE DERIVED FROM 140402-4 REV. 3 WITH THE FOLLOWING CHANGES: R95, R106, R107, AND R432 WERE A11368-30110. R96, R98, R108, AND R110 WERE A11368-69811.	01/20/09	KLW	BLC	KZ

UNLESS OTHERWISE SPECIFIED, THIS PRINTED WIRING ASSEMBLY SHALL MEET THE SPECIFICATION DESCRIBED IN IPC-A-610_ CLASS 2 STANDARDS.

ROHS COMPLIANCE: THIS PART MUST COMPLY WITH CROWN AUDIO SPECIFICATION 138935 AND ROHS DIRECTIVE 2002/95/EC OR BE DEFINED AS A ROHS APPROVED EXCEPTION.

NOTES:

1. PRINTED WIRING BOARD PART NUMBER 140401-3.
2. SEE 140402-5_A.TIF FOR SCHEMATIC AND BOARD MAP
3. ALL LEADS SHALL BE TRIMMED TO 0.093" OR LESS.
4. POSITION COMPONENTS AS SHOWN ON COMPONENT MAP.
5. THE PRINTED WIRING ASSEMBLY PART NUMBER AND SERIAL BAR CODE FOR THIS ASSEMBLY SHALL BE PRINTED ON A SEPARATE BLANK LABEL (P/N 127269-1) AND PLACED ON THE TOP SIDE OF THE PRINTED WIRING BOARD.



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DWN	KLW	01/20/09	PE	BLC	01/20/09	CM	KZ	01/21/09	DIST.	K		
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REF. DES.	CPN	DESCRIPTION	MAP LOC.
C1	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 4
C2	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 4
C3	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 4
C4	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 4
C5	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 4
C6	139947-1	CAP, 10UF 10V 10% X5R 1206	B 4
C7	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 4
C8	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	C 3
C9	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	C 3
C10	A11369-471K1	CAP, 470PF 50V 10% NPO 0603 TR	C 4
C11	A11369-471K1	CAP, 470PF 50V 10% NPO 0603 TR	C 3
C12	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 4
C13	139947-1	CAP, 10UF 10V 10% X5R 1206	D 3
C14	139947-1	CAP, 10UF 10V 10% X5R 1206	D 3
C15	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C16	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C17	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C18	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C19	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C20	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C21	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C22	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C23	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C24	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C25	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C26	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 2
C27	139719-1	CAP, 1.0UF 25V X7R 10% 0805	B 2
C28	139947-1	CAP, 10UF 10V 10% X5R 1206	B 3
C29	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 3
C30	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 2
C31	139719-1	CAP, 1.0UF 25V X7R 10% 0805	B 2
C32	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 2
C33	139947-1	CAP, 10UF 10V 10% X5R 1206	C 2
C34	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 3
C35	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 3
C36	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 3
C37	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	D 4
C38	A11427-103K1	0.01UF 50V 10% X7R MLC 0603	D 4
C39	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	E 1
C40	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	F 2
C41	A11369-101J1	100PF 50V 5% NPO 0603	E 2
C43	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	E 2
C44	A11369-101J1	100PF 50V 5% NPO 0603	E 1
C45	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 1
C46	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 1
C47	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 2
C48	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 2
C49	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	E 2
C50	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	F 2
C51	A11369-101J1	100PF 50V 5% NPO 0603	E 2
C53	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	E 2
C54	A11369-101J1	100PF 50V 5% NPO 0603	E 2
C55	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 2
C56	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 2
C57	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3
C58	135505-1	CAP, 0.1UF 25V 10% X7R 0603	E 3

C59	126623-1	47UF 16V 6.3X5.5MM 20% SMT	E 2
C60	126623-1	47UF 16V 6.3X5.5MM 20% SMT	E 1
C61	A11369-182J2	CAP, 1800P NPO 5% 50V 0805	D 2
C62	126623-1	47UF 16V 6.3X5.5MM 20% SMT	E 2
C63	126623-1	47UF 16V 6.3X5.5MM 20% SMT	E 2
C64	A11369-182J2	CAP, 1800P NPO 5% 50V 0805	D 2
C65	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 2
C66	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 2
C67	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C68	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	D 2
C69	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	D 2
C70	126623-1	47UF 16V 6.3X5.5MM 20% SMT	D 2
C71	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 2
C72	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 2
C73	139719-1	CAP, 1.0UF 25V X7R 10% 0805	D 2
C74	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	B 2
C75	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	B 2
C76	A11369-102F2	1000PF 50V 1% CHIP CAP	B 2
C77	A11369-103J5	CAP, 0.01 UF NPO 50V 5% 1206	A 2
C78	A11369-102F2	1000PF 50V 1% CHIP CAP	A 2
C79	A11369-101J1	100PF 50V 5% NPO 0603	A 2
C80	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 2
C81	135505-1	CAP, 0.1UF 25V 10% X7R 0603	A 2
C82	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	C 2
C83	A11369-220J1	CAP, 22PF 50V 5% 0603 NPO	C 2
C84	A11369-102F2	1000PF 50V 1% CHIP CAP	C 2
C85	A11369-103J5	CAP, 0.01 UF NPO 50V 5% 1206	B 2
C86	A11369-102F2	1000PF 50V 1% CHIP CAP	B 2
C87	A11369-101J1	100PF 50V 5% NPO 0603	B 2
C88	135505-1	CAP, 0.1UF 25V 10% X7R 0603	C 2
C89	135505-1	CAP, 0.1UF 25V 10% X7R 0603	B 2
C90	135505-1	CAP, 0.1UF 25V 10% X7R 0603	D 3
C91		OPEN	F 4
C92	135505-1	CAP, 0.1UF 25V 10% X7R 0603	A 2
C93	135505-1	CAP, 0.1UF 25V 10% X7R 0603	F 2
C94	A11369-101J1	100PF 50V 5% NPO 0603	B 2
C95	A11369-101J1	100PF 50V 5% NPO 0603	C 2
C171	A11369-101J1	100PF 50V 5% NPO 0603	B 3
C172	A11369-101J1	100PF 50V 5% NPO 0603	B 3
C173	A11369-101J1	100PF 50V 5% NPO 0603	B 3
C176	A11369-101J1	100PF 50V 5% NPO 0603	B 3
D1	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	B 4
D2		OPEN	B 4
D3	135343-1	DIODE, DUAL MMBD4148SE SOT-23	F 1
D4	135343-1	DIODE, DUAL MMBD4148SE SOT-23	F 2
D5	135343-1	DIODE, DUAL MMBD4148SE SOT-23	F 2
D6	135343-1	DIODE, DUAL MMBD4148SE SOT-23	F 2
E1	126473-1	LED, GRN SMT 1206	C 3
FB1	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 3
FB2	125846-1	FERRITE BEAD, 600 OHM .5A 0805	D 4
FB3	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 2
FB4	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 2
FB5	125846-1	FERRITE BEAD, 600 OHM .5A 0805	C 3
FB6	125846-1	FERRITE BEAD, 600 OHM .5A 0805	B 2
FB7	125846-1	FERRITE BEAD, 600 OHM .5A 0805	D 4
J1	140548-1	HDR, 14POS SMT SHROUDED	F 3
J2		OPEN	D 4
J3		OPEN	A 4
J4	140474-2	HDR, 50POS SMT SHROUDED W/ LCP RESIN	C 3

PWB1	140401-3	PWB, XTI6000 DSP	A 2
Q1	127169-1	MOSFET, P-CH 50V 150MA SOT-23	D 4
Q2	138411-1	XSISTOR, STT818B LV PWR PNP	D 3
Q3	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 3
R1	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R2	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	C 4
R3	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	C 4
R4	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R5	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 4
R6	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 3
R7	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 4
R8	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R9	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	C 4
R10	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 4
R11	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R12	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 4
R14	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R15	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 4
R16	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R17	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R18	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	C 4
R19	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	C 4
R20	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	B 4
R21	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	B 4
R22	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R23	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R24	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 3
R25	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	B 4
R26	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	B 4
R27	A11368-15010	RES, 1.5 K OHM 1/16W 1% 0603	D 4
R28	A11371-0R00	RES, 0 OHM 0603 50 MILOHM MAX	F 3
R29	A11371-0R00	RES, 0 OHM 0603 50 MILOHM MAX	F 3
R30	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	C 3
R31		OPEN	B 3
R32		OPEN	B 4
R33		OPEN	B 4
R34		OPEN	B 4
R35		OPEN	B 4
R36		OPEN	B 4
R37		OPEN	B 4
R38		OPEN	B 4
R39	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	B 4
R40	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 3
R41	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	E 3
R42	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	E 3
R43	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 4
R44	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 4
R45	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 4
R46	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 4
R47	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 3
R48	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 3
R49	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 4
R50	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 3
R51	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 3
R52	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 3
R53	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 3
R54	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 3
R55	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 3
R56	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 3

R57	137362-1	10K 0.1% 0.1W 0805 THIN FILM	F 1
R58	137362-1	10K 0.1% 0.1W 0805 THIN FILM	F 2
R59	137362-1	10K 0.1% 0.1W 0805 THIN FILM	E 1
R60	A11368-10000	RES, 100 OHM 1/16W 1% 0603	F 1
R61	137362-1	10K 0.1% 0.1W 0805 THIN FILM	F 1
R62	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	E 2
R63	A11368-23210	RES, 2.32 KOHM 1/16W 1% 0603	E 2
R64	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	E 2
R65	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	E 1
R66	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	E 1
R67	137362-1	10K 0.1% 0.1W 0805 THIN FILM	F 2
R68	137362-1	10K 0.1% 0.1W 0805 THIN FILM	F 3
R69	137362-1	10K 0.1% 0.1W 0805 THIN FILM	E 2
R70	A11368-10000	RES, 100 OHM 1/16W 1% 0603	F 2
R71	137362-1	10K 0.1% 0.1W 0805 THIN FILM	F 2
R72	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	E 2
R73	A11368-23210	RES, 2.32 KOHM 1/16W 1% 0603	E 3
R74	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	E 2
R75	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	E 2
R76	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	E 2
R77	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	F 3
R78	A11368-82500	RES, 825 OHM 1/16W 1% 0603	D 2
R79	A11368-82500	RES, 825 OHM 1/16W 1% 0603	D 1
R80	A11368-11800	RES, 118 OHM 1/16W 1% 0603	D 2
R81	A11368-11800	RES, 118 OHM 1/16W 1% 0603	D 2
R82	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 2
R83	A11368-82500	RES, 825 OHM 1/16W 1% 0603	D 2
R84	A11368-82500	RES, 825 OHM 1/16W 1% 0603	D 2
R85	A11368-11800	RES, 118 OHM 1/16W 1% 0603	D 2
R86	A11368-11800	RES, 118 OHM 1/16W 1% 0603	D 2
R87	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 2
R88	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	C 2
R89	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	C 2
R90	A11368-47520	RES, 47.5 K OHM 1/16W 1% 0603	D 3
R91	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 3
R92	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 3
R93	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 3
R94	A11368-33R20	RES, 33.2 OHM 1/16W 1% 0603	D 3
R95	140467-30110	RES, 3.01KOHM 0.0625W 0.1% 0603	B 2
R96	140467-69811	RES, 6.98KOHM 0.1W 0.1% 0805	B 2
R97	A11368-10000	RES, 100 OHM 1/16W 1% 0603	B 2
R98	140467-69811	RES, 6.98KOHM 0.1W 0.1% 0805	B 2
R99	A11368-69811	6.98KOHM .1W 1% 0805 T/R	B 2
R100	A11368-11311	1.13KOHM .1W 1% 0805 T/R	B 2
R101	A11368-30110	3.01KOHM 1/16W 1% 0603 T/R	A 2
R102	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	A 2
R103	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	A 2
R104	A11368-49R90	RES, 49.9 OHM 1% 1/16W 0603	B 2
R105	A11368-49R90	RES, 49.9 OHM 1% 1/16W 0603	B 2
R106	140467-30110	RES, 3.01KOHM 0.0625W 0.1% 0603	C 2
R107	140467-30110	RES, 3.01KOHM 0.0625W 0.1% 0603	C 2
R108	140467-69811	RES, 6.98KOHM 0.1W 0.1% 0805	C 2
R109	A11368-10000	RES, 100 OHM 1/16W 1% 0603	C 2
R110	140467-69811	RES, 6.98KOHM 0.1W 0.1% 0805	C 2
R111	A11368-69811	6.98KOHM .1W 1% 0805 T/R	C 2
R112	A11368-11311	1.13KOHM .1W 1% 0805 T/R	C 2
R113	A11368-30110	3.01KOHM 1/16W 1% 0603 T/R	B 2
R114	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 2
R115	A11368-24910	RES, 2.49 KOHM 1/16W 1% 0603	B 2

R116	A11368-49R90	RES, 49.9 OHM 1% 1/16W 0603	C 2
R117	A11368-49R90	RES, 49.9 OHM 1% 1/16W 0603	C 2
R118	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 3
R432	140467-30110	RES, 3.01KOHM 0.0625W 0.1% 0603	B 2
T1		OPEN	F 3
TP1	127064-1	TEST POINT, SMT 1206	E 4
TP2	127064-1	TEST POINT, SMT 1206	C 2
TP3	127064-1	TEST POINT, SMT 1206	C 4
U1	140418-3	IC, MCU LPC2144 128KB FLASH (PROGRAMMED)	C 4
U2	140102-1	IC, +3.3V RST SUP SOT23	B 4
U3	139908-2	IC, M45PE20 256KX8 FLASH XTI(PROGRAMMED)	B 4
U4	137548-1	IC, 28-BIT PROCESSOR AD1940	D 3
U5	135429-1	IC, 74LCX244 OCT BUFFR TSSOP20	D 4
U6	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	E 1
U7	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	E 2
U8	140461-1	IC, DIG POT 10K OHM SPI MSOP10	E 2
U9	140461-1	IC, DIG POT 10K OHM SPI MSOP10	E 3
U10	138251-1	IC, CS4272 24 BIT 192KHZ CODEC	D 2
U11	136940-1	LM3480 100MA LIN VOLTREG SOT23	D 2
U12	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	B 2
U13	C 9012-3	OP AMP, QUAD LO NOISE MC33079D	C 2
Y1	132014-1	XTAL, 16MHZ 20PF LOAD SMT	C 3
Y2	140549-1	XTAL, 24.576MHZ HC49SM 30PPM 18PF	D 2

REVISION HISTORY						
E.C.N	REV	DESCRIPTION	DATE	DWN	PE	CM
	A	INITIAL RELEASE DERIVED FROM 140413-4 REV. 2 WITH THE FOLLOWING CHANGES: C427 AND C433 WERE A11427-104K2. L401 AND L402 WERE 139523-1. PWB1 WAS 140412-4. R421 WAS A11368-24930. R430 WAS A11368-68120. R499 WAS OPEN. RT401 AND RT405 WERE 141257-1. DELETED C434 AND R434. ADDED C478, Q421, AND R493.	01/23/09	KLW	BLC	KZ
37749	B	140838-2 WAS 140838-1 OPTO, HISPEED IEC60065 COMPLIANT SMD	02/18/09	KLW	BLC	KZ
37876	C	RT401 WAS 141343-1. RT405 WAS OPEN. WP402 WAS 141251-1. NOTE 6 WAS 0.075" ±0.025". ADDED 45° BEND NOTATION TO CIRCUIT BREAKER TAB.	03/11/09	KLW	BLC	KZ
38146	D	P1012 WAS 140889-1. WP401 WAS 140874-1. WP402 WAS 141251-2. NOTE 2 WAS 140413-5_C	04/30/09	KLW	GT	KZ
38269	E	ADDED CRITICAL TO QUALITY MARKINGS TO SCHEMATIC.	5/20/09	KLW	GT	KZ

UNLESS OTHERWISE SPECIFIED, THIS PRINTED WIRING ASSEMBLY SHALL MEET THE SPECIFICATION DESCRIBED IN IPC-A-610 CLASS 2 STANDARDS.

ROHS COMPLIANCE: THIS PART MUST COMPLY WITH CROWN AUDIO SPECIFICATION 138935 AND ROHS DIRECTIVE 2002/95/EC OR BE DEFINED AS A ROHS APPROVED EXCEPTION.

NOTES:

1. PRINTED WIRING BOARD PART NUMBER **140412-5**.
2. SEE **140413-5_E.TIF** FOR SCHEMATIC AND BOARD MAP
3. THE MAXIMUM LEAD LENGTH ON THE BOTTOM SIDE OF THE BOARD SHALL NOT EXCEED 0.150".
4. POSITION COMPONENTS AS SHOWN ON COMPONENT MAP.
5. THE PRINTED WIRING ASSEMBLY PART NUMBER AND SERIAL BAR CODE FOR THIS ASSEMBLY SHALL BE PRINTED ON SEPARATE BLANK LABELS (P/N **127269-1**) AND PLACED ON THE TOP SIDE OF THE PRINTED WIRING BOARD.
6. RADIAL RESISTOR BODIES MUST BE MOUNTED 0.016" MINIMUM ABOVE THE BOARD. MAXIMUM RADIAL RESISTOR HEIGHT NOT TO EXCEED 0.60".
7. APPLY WHITE SILICONE **GE P/N RTV162** WHERE SHOWN ON THE COMPONENT MAP.
8. APPLY THERMALLY CONDUCTIVE EPOXY AND HARDNER **TIMTRONICS P/N "TIM-PC 8850FT/EH-9"** OR **EMERSON & CUMING P/N "STYCAST 2850 FT C9"** TO THERMAL SENSOR RT404 PRIOR TO INSTALLATION INTO HEAT SINK.
9. APPLY HOT MELT GLUE P/N **135950-1** WHERE SHOWN ON THE COMPONENT MAP.
10. APPLY 5" OF KAPTON TAPE **S6351-3** AROUND THE BODY OF COMPONENTS C412, C413, AND C416 (SEE COMPONENT MAP).



UNCONTROLLED
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DWN	KLW	01/23/09	PE	BLC	01/23/09	CM	KZ	01/28/09	DIST.	A		
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REF. DES.	CPN	DESCRIPTION	MAP LOC.
C401	137030-1	CAP, 1UF X2 REDUCED SIZE	M 5
C402	137030-1	CAP, 1UF X2 REDUCED SIZE	M 5
C403	137030-1	CAP, 1UF X2 REDUCED SIZE	M 3
C404	137030-1	CAP, 1UF X2 REDUCED SIZE	M 3
C405	137455-1	CAP, 4700 PF 10% FILM Y2	M 3
C406	137455-1	CAP, 4700 PF 10% FILM Y2	N 3
C407	137455-1	CAP, 4700 PF 10% FILM Y2	L 2
C408	137455-1	CAP, 4700 PF 10% FILM Y2	L 2
C411	134163-1	CAP, 2700UF 20% 200V ELECT	H 4
C412	134163-1	CAP, 2700UF 20% 200V ELECT	G 4
C413	134163-1	CAP, 2700UF 20% 200V ELECT	G 3
C414	134163-1	CAP, 2700UF 20% 200V ELECT	I 3
C415	134163-1	CAP, 2700UF 20% 200V ELECT	J 1
C416	134163-1	CAP, 2700UF 20% 200V ELECT	H 1
C417	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	F 4
C418	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	F 5
C419	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 4
C420	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 3
C421	125434-1	CAP,.068UF 400V FILM POLYESTER	F 3
C422	125434-1	CAP,.068UF 400V FILM POLYESTER	F 4
C423	A11369-101J2	100 PF 50V 5% NPO MLC 0805 T/R	D 4
C424	A11369-102F2	1000PF 50V 1% CHIP CAP	D 4
C425	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C426	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C427	139719-1	CAP, 1.0UF 25V X7R 10% 0805	E 3
C428	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 4
C429	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 5
C431	139719-1	CAP, 1.0UF 25V X7R 10% 0805	H 5
C432	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 5
C433	A11369-102F2	1000PF 50V 1% CHIP CAP	H 5
C435	139004-1	CAP, 0.33UF 630V POLYPROP	E 5
C436	139004-1	CAP, 0.33UF 630V POLYPROP	E 5
C437	140670-101J5	CAP, 100PF 5% 500V NPO 1206	D 6
C438	131015-1	220UF 35V 20% RAD ELECT T/A	F 5
C439		OPEN	B 3
C440	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	A 3
C441	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	A 3
C442	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	D 3
C443	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	B 3
C444	131310-2	CAP,1200UF 200VDC PC MNT ELECT	A 2
C445	131310-2	CAP,1200UF 200VDC PC MNT ELECT	B 2
C446	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 1
C447	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 4
C448	A11369-330J2	33 PF 50V 5% NPO MLC 0805	E 1
C449	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C450	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C451	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C452	139719-1	CAP, 1.0UF 25V X7R 10% 0805	E 3
C453	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C454	A11369-330J2	33 PF 50V 5% NPO MLC 0805	D 3
C455	A11369-102F2	1000PF 50V 1% CHIP CAP	D 3
C456	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 3
C457		OPEN	D 3
C458	A11427-472K1	4700PF 50V 10% X7R 0603 T/R	D 3
C460	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 3
C461	131015-1	220UF 35V 20% RAD ELECT T/A	C 3

C462	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 3
C463	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	C 3
C464	C 9465-3	10UF 50V 20% VERT ELECT T/A	C 3
C465	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 1
C466	A11369-102F2	1000PF 50V 1% CHIP CAP	D 2
C467	140063-1	CAP, 1.0UF 50V 10% X7R 1210	E 2
C468	140063-1	CAP, 1.0UF 50V 10% X7R 1210	E 2
C469	137217-1	CAP, 2200UF 25V ELEC	E 2
C470	140063-1	CAP, 1.0UF 50V 10% X7R 1210	C 1
C471	140063-1	CAP, 1.0UF 50V 10% X7R 1210	D 1
C472	C 4477-3	470 UF 35V VERT	D 1
C473	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 3
C474	C 9465-3	10UF 50V 20% VERT ELECT T/A	F 1
C475	A11369-102F2	1000PF 50V 1% CHIP CAP	D 3
C476	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C477	140670-330J5	CAP, 33PF 5% 500V NPO 1206	D 2
C478	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C497	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 2
C498	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C499	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 5
CB1	141256-1	BRKR, 30A 1P CHAS UL TUV CCC SNAP-IN	O 5
D401	138498-1	PRP, 136293-1 (DSI4516AR).325	I 4
D402	138498-1	PRP, 136293-1 (DSI4516AR).325	J 3
D403	138498-1	PRP, 136293-1 (DSI4516AR).325	J 2
D404	138498-1	PRP, 136293-1 (DSI4516AR).325	K 2
D405		OPEN	E 4
D406	138997-1	DIODE, 600V 1A SMA	E 4
D407	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	H 5
D408	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	H 5
D409	131648-1	DIODE, ZENER 500MW 16V SOD 123	G 5
D410	131648-1	DIODE, ZENER 500MW 16V SOD 123	G 5
D411	C 9773-0	DIODE, ZENER 5.1V 1N5231 SMT	H 5
D412	131648-1	DIODE, ZENER 500MW 16V SOD 123	H 5
D413	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	G 5
D414	138997-1	DIODE, 600V 1A SMA	B 5
D415	132039-1	DIODE, 600V 30A TO220	C 3
D416	132039-1	DIODE, 600V 30A TO220	B 3
D417	132039-1	DIODE, 600V 30A TO220	A 3
D418	132039-1	DIODE, 600V 30A TO220	A 3
D419	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	K 4
D420	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	F 1
D421	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	E 1
D422	137118-1	DIODE, 30V 200mA DUAL SCHOTTKY	E 2
D423	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	K 4
D425	C 9283-0	DIODE, MMBD4148/914 SOT-23 SMT	C 3
D426	141087-1	DIODE, ZENER 500MW 18V SOD 123	C 3
D427	138997-1	DIODE, 600V 1A SMA	D 3
D428	138997-1	DIODE, 600V 1A SMA	D 3
D429	140835-1	DIODE, 600V 4A TO220 STEALTH2	D 3
D430	138997-1	DIODE, 600V 1A SMA	D 2
HS401	139276-4	HEATSINK, CEQUEL PS	F 3
HS401B	140180-1	CLIP, 2 FINGER TO-220	E 4
HS401C	140180-1	CLIP, 2 FINGER TO-220	F 3
HS401D	139312-2	INSULATOR, CERAMIC 3.95X.85	F 3
HS401E	139421-3	RETAINER, XTI HEATSINK	E 4
HS401F	139421-3	RETAINER, XTI HEATSINK	G 1
HS402	139276-4	HEATSINK, CEQUEL PS	J 3
HS402C	139421-3	RETAINER, XTI HEATSINK	I 4
HS402D	139421-3	RETAINER, XTI HEATSINK	K 1

HS402E	140180-1	CLIP, 2 FINGER TO-220	I 4
HS402F	140180-1	CLIP, 2 FINGER TO-220	J 3
HS402G	140180-1	CLIP, 2 FINGER TO-220	J 2
HS402H	140180-1	CLIP, 2 FINGER TO-220	K 1
HS403	139276-4	HEATSINK, CEQUEL PS	C 2
HS403B	139312-2	INSULATOR, CERAMIC 3.95X.85	C 2
HS403C	139421-3	RETAINER, XTI HEATSINK	E 2
HS403D	139421-3	RETAINER, XTI HEATSINK	A 2
HS403E	140180-1	CLIP, 2 FINGER TO-220	A 2
HS403F	140180-1	CLIP, 2 FINGER TO-220	C 2
HS403G	140180-1	CLIP, 2 FINGER TO-220	D 2
HW2	C 8812-7	TIE, CABLE 5.5" OR MORE 18 LB	B 1
J401	140787-1	IEC, 20A RA PC MNT	O 5
K401	C10335-5	RELAY 30A 24V T90 SEALED CE	K 4
K402	C10335-5	RELAY 30A 24V T90 SEALED CE	K 3
L401	141361-1	CHOKER, CM15T 5000PERM	M 4
L402	141361-1	CHOKER, CM15T 5000PERM	M 2
L403	140870-1	IND; T130-2 0.52UH 2x14AWG	D 5
L404	137119-1	INDUCTOR, 22UH 2520 SMT T/R	E 1
L405	137119-1	INDUCTOR, 22UH 2520 SMT T/R	E 1
L408	140843-1	COUPLED INDUCTOR 470UH	D 1
P1011	140585-1	CBL, RBN 26POS PCB SKT DU 7.0IN MLD	E 1
P1012	140889-2	CABLE, WIRE TERM 6PIN MATE-N-LOK	A 1
PWB1	140412-5	PWB, XTI6000 POWER SUPPLY	A 1
Q401	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	E 4
Q402	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	E 4
Q403	139543-1	PRP, 134423-1 (30N60A4D) .420	E 4
Q404	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	E 3
Q405	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	E 3
Q406	139543-1	PRP, 134423-1 (30N60A4D) .420	F 3
Q407	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 4
Q408	C 8103-1	MPSW42 300V 1 WATT NPN T/R	F 5
Q409	C 8103-1	MPSW42 300V 1 WATT NPN T/R	G 5
Q410	C 8103-1	MPSW42 300V 1 WATT NPN T/R	G 5
Q411	102483-1	PNP 300V 500MA SOT-23	C 1
Q412	137218-1	SCR, 12A MCR12DSN DPAK 369A	C 1
Q413	C 7448-1	MMBT3904 CHIP NPN	C 4
Q414	125798-1	XSTR,MMBT3906 LT3 10K REEL	C 4
Q415	125798-1	XSTR,MMBT3906 LT3 10K REEL	F 1
Q416	132242-1	XSISTOR, NPN SOT 23 MMBTA42LT1	F 1
Q417	125798-1	XSTR,MMBT3906 LT3 10K REEL	F 1
Q418	132242-1	XSISTOR, NPN SOT 23 MMBTA42LT1	F 1
Q419	C 7448-1	MMBT3904 CHIP NPN	C 4
Q420	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 3
Q421	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	H 5
Q423	140836-1	MOSFET, N-CH 250V 1 OHM TO220	D 3
Q424	125798-1	XSTR,MMBT3906 LT3 10K REEL	D 2
Q425	C 7448-1	MMBT3904 CHIP NPN	D 3
R401	A11368-49923	49.9KOHM .25W 1% CHIP 1210	L 2
R402	A11368-49923	49.9KOHM .25W 1% CHIP 1210	L 2
R403	A11368-49923	49.9KOHM .25W 1% CHIP 1210	L 1
R404	A11368-49923	49.9KOHM .25W 1% CHIP 1210	L 1
R405	133483-1	48.7 KOHM 1W 1% RAD T/A	J 2
R406	133483-1	48.7 KOHM 1W 1% RAD T/A	G 4
R407	A11368-51R10	RES, 51.1 OHM 1/16W 1% 0603	E 4
R408	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	E 4
R409	A11368-51R10	RES, 51.1 OHM 1/16W 1% 0603	E 3
R410	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	E 3
R411	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 4

R412	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 4
R413	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 4
R414	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	D 4
R415	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	D 4
R416	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 4
R417	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 4
R418	A11368-20031	200K 0.1W 1% SMD CHIP 0805	J 6
R419	A11368-20031	200K 0.1W 1% SMD CHIP 0805	I 5
R420	A11368-20031	200K 0.1W 1% SMD CHIP 0805	I 5
R421	A11368-15031	150K 1/10W 1% SMD 0805 T/R	I 5
R422	A11368-20031	200K 0.1W 1% SMD CHIP 0805	H 5
R423	A11368-10040	RES, 1.00 MOHM 1/16W 1% 0603	H 5
R424	133483-1	48.7 KOHM 1W 1% RAD T/A	H 5
R425	133483-1	48.7 KOHM 1W 1% RAD T/A	I 5
R426	133483-1	48.7 KOHM 1W 1% RAD T/A	G 5
R427	133483-1	48.7 KOHM 1W 1% RAD T/A	I 5
R428	A11368-20031	200K 0.1W 1% SMD CHIP 0805	H 5
R429	A11368-20031	200K 0.1W 1% SMD CHIP 0805	H 5
R430	A11368-61921	61.9 KOHM 0.1W 1% 0805	H 5
R431	A11368-15031	150K 1/10W 1% SMD 0805 T/R	H 5
R432	133483-1	48.7 KOHM 1W 1% RAD T/A	G 5
R433	133483-1	48.7 KOHM 1W 1% RAD T/A	F 5
R435	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	F 6
R436	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	G 6
R437	A11368-10R01	10 OHM .1W 1% 0805 T/R ROHS	G 6
R438		OPEN	C 5
R439	A11368-10003	100 OHM 0.25W 1% 1210 T/R	C 5
R440		OPEN	B 3
R441		OPEN	A 3
R442		OPEN	B 3
R443		OPEN	A 3
R446	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	C 4
R447	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	C 1
R448	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	B 1
R449	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	C 4
R450	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 4
R451	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	F 1
R452	125609-1	RES, 330 OHM 2W 5% AXIAL MF	F 1
R453	A11368-24901	249 OHM 0.1W 1% 0805 T/R	E 2
R454	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	F 1
R455	125609-1	RES, 330 OHM 2W 5% AXIAL MF	F 2
R456	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 4
R457	A11368-49900	RES, 499 OHM 1/16W 1% 0603	C 4
R458	A11368-10013	1K 0.25W 1% 1210 T/R	D 4
R459	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	E 2
R460	A11368-10000	RES, 100 OHM 1/16W 1% 0603	E 2
R461	A11368-20031	200K 0.1W 1% SMD CHIP 0805	C 3
R462	A11368-20031	200K 0.1W 1% SMD CHIP 0805	C 3
R463	A11368-49920	RES, 49.9 KOHM 1/16W 1% 0603	C 3
R464	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	E 3
R465	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	E 2
R466	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 3
R467	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 3
R468	A11368-75010	RES, 7.50 KOHM 1/16W 1% 0603	D 3
R469	A11368-35720	RES, 35.7K OHM 1% 1/16W 0603	D 3
R470	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	D 3
R471	A11368-20031	200K 0.1W 1% SMD CHIP 0805	D 3
R472	A11368-49900	RES, 499 OHM 1/16W 1% 0603	D 3
R473	A11368-51R10	RES, 51.1 OHM 1/16W 1% 0603	D 4

R474	A11368-49900	RES, 499 OHM 1/16W 1% 0603	D 3
R475	A11368-51R10	RES, 51.1 OHM 1/16W 1% 0603	F 2
R476	133483-1	48.7 KOHM 1W 1% RAD T/A	C 3
R477	A11368-51R10	RES, 51.1 OHM 1/16W 1% 0603	D 3
R478	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	D 3
R479	A11368-10000	RES, 100 OHM 1/16W 1% 0603	E 2
R480	A11371-R914	RES, 0.91 OHM 5% 1/2W 2010	E 1
R481	A11371-R914	RES, 0.91 OHM 5% 1/2W 2010	E 1
R482	A11371-R914	RES, 0.91 OHM 5% 1/2W 2010	E 1
R483	A11368-20031	200K 0.1W 1% SMD CHIP 0805	C 1
R484	A11368-20031	200K 0.1W 1% SMD CHIP 0805	C 1
R485	A11368-35720	RES, 35.7K OHM 1% 1/16W 0603	C 1
R486	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	C 1
R487	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	F 1
R488	A11368-49920	RES, 49.9 KOHM 1/16W 1% 0603	C 4
R489	A11368-15013	1.5KOHM .25W 1% 1210 T/R	C 2
R490	A11368-15013	1.5KOHM .25W 1% 1210 T/R	C 2
R491	A11368-15013	1.5KOHM .25W 1% 1210 T/R	C 2
R492	A11368-15013	1.5KOHM .25W 1% 1210 T/R	D 2
R493	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	D 4
R499	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	H 5
RT401		OPEN	L 5
RT402	138357-1	PRP, 101103-1 PTC .155	C 2
RT402X	C 8982-8	TO-220 XSISTOR HOLDER, PLASTIC	C 2
RT403	138357-1	PRP, 101103-1 PTC .155	C 2
RT403X	C 8982-8	TO-220 XSISTOR HOLDER, PLASTIC	C 2
RT404	141000-1	TRES, 20KOHM J NTC 5"LEAD	E 2
RT405	141343-1	TRES, 7 OHM ICL PTC 265V TH	K 4
S401	132498-1	SWITCH, DPST PUSHBUTTON VDECSA	J 5
T401	140830-2	XFMR; E55 11:11 125KHZ	B 4
TP401	127064-1	TEST POINT, SMT 1206	F 5
TP402	127064-1	TEST POINT, SMT 1206	G 5
TP403	127064-1	TEST POINT, SMT 1206	H 5
TP404	127064-1	TEST POINT, SMT 1206	I 5
TP405	127064-1	TEST POINT, SMT 1206	G 5
TP406	127064-1	TEST POINT, SMT 1206	C 4
U401	138341-1	IC, TL494 PWM CTRL SO-16	D 4
U402	138908-1	DRVR, 600V HB FAN7380MX	E 4
U403	126559-1	COMPARATOR, LM393 SO-8 DUAL	H 5
U404	139969-1	OPTO, SMD IEC60065 COMPLIANT	C 4
U405	140879-1	IC, DUAL DRIVER MC33151	F 2
U406	125867-1	MC74HC4024D 7 STAGE COUNTER SM	F 2
U407	133552-1	OP AMP, LM358 LOW PWR DUAL S08	E 2
U408	141315-1	IC, PWM UC2844A SO8	D 3
U409	138908-1	DRVR, 600V HB FAN7380MX	C 3
U410	102484-1	REG +15V D2PAK 2.25W	E 3
U411	140838-2	IC, OPTO HCNW4502 HISPD	D 4
WP401	140874-2	WIRE, 12AWG BRN 3.75" W/FAST-ON	N 4
WP402	141251-3	WIRE ASSY, 12AWG BRN STRP 3.00" FSTN	L 5