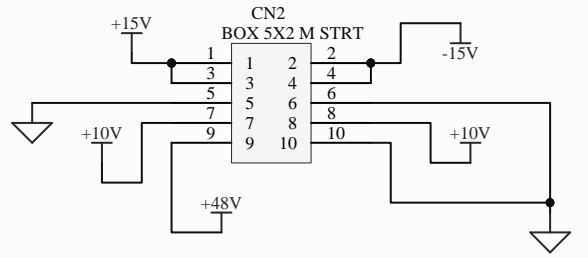
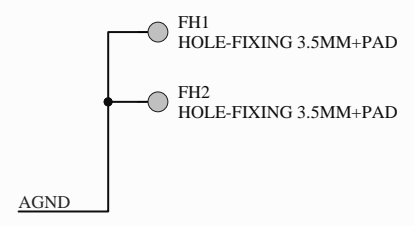
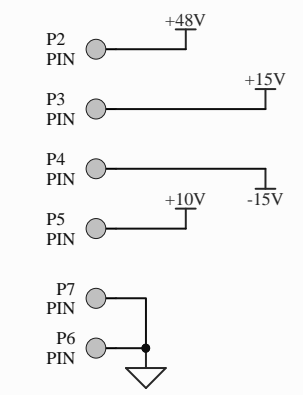
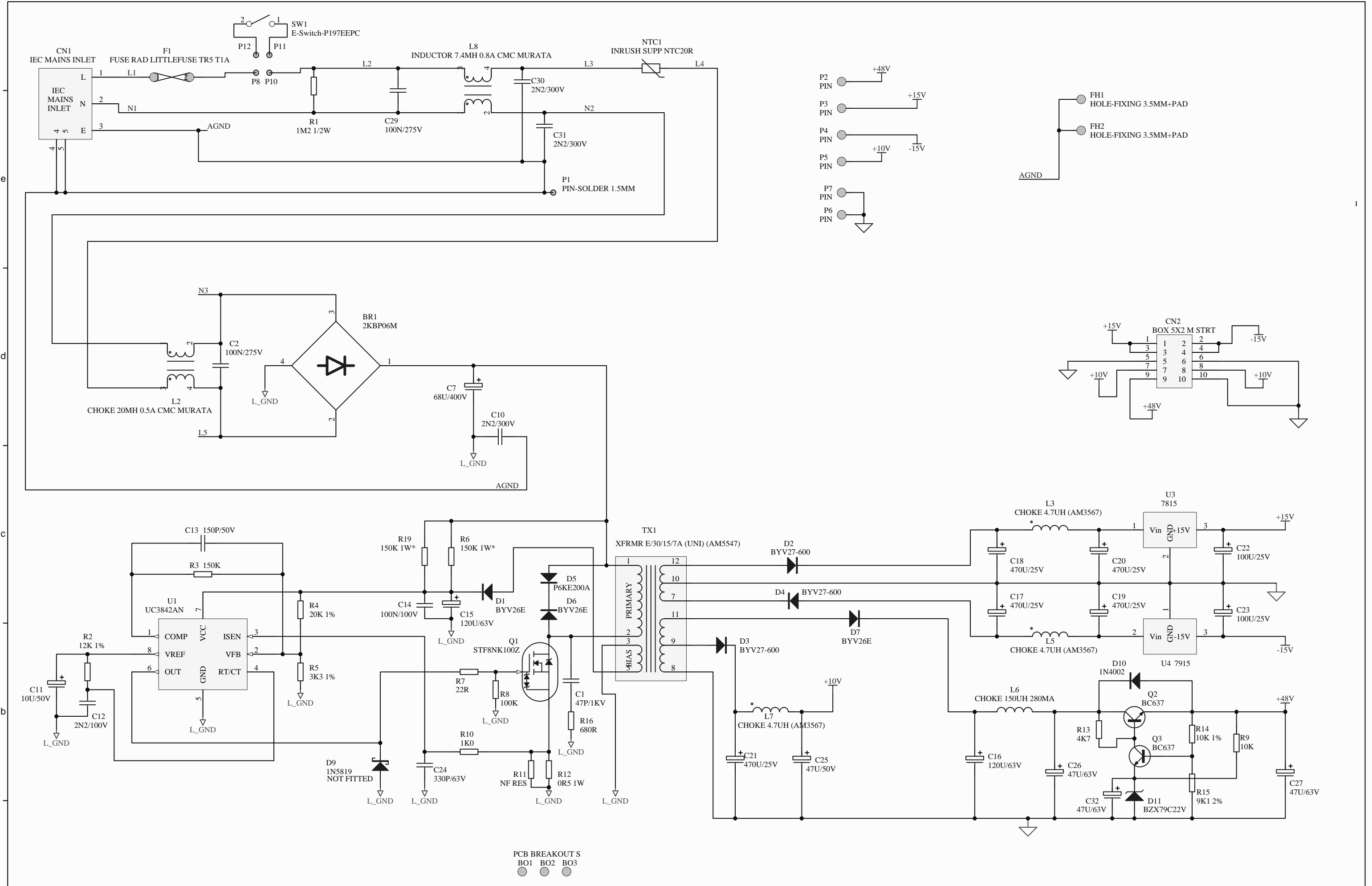


ALLEN & HEWLETT
GR84_PSU
AG10098_22

UL 94V-0

GLUE HERE

CUT BACK
BEHIND PCB
EDGE



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REV	BY	DATE	ECN	CHK
A	NB	25-2-15		XXX
1	NB	27-8-15		
2	JB	18-3-16		

Edit in Project Options, Parameters Tab.
 FILE: C10098_2.SchDoc

VCS Revision Not in version control
 PRINTED: 11:04:22 24/03/2016

* All parts to be RoHS Compliant *

GR84
 TITLE: GR84_PSU
 PAGE:
 DRG No: C10098 ISSUE: 2 SHEET: 1 OF 1

Designator	Description
	AG10098_2 GR4 GR3 PSU 004-703 cct
Q2	TRANSISTOR NPN BC637 (AE0068)
Q3	TRANSISTOR NPN BC637 (AE0068)
Q1	TRANSISTOR MOSFET N CHANNEL FAST POWER(1KV) STF8NK100Z (AE7610)
TX1	TRANSFORMER E30/15/7 UNIVERSAL (AM5547)
R12	RESISTOR WIRE WOUND 0R5 1W (AC5757)
R19	RESISTOR PR01 150K 1W (AC5895)
R6	RESISTOR PR01 150K 1W (AC5895)
R4	RESISTOR METAL FILM 20K 1/4W 1% (AC3997)
R2	RESISTOR METAL FILM 12K 1/4W 1% (AC0360)
R14	RESISTOR METAL FILM 10K 1/4W 1% (AC0345)
R15	RESISTOR METAL FILM 9K1 1/4W 2% (AC8144)
R5	RESISTOR METAL FILM 3K3 1/4W 1% (AC8120)
R1	RESISTOR METAL FILM 1M2 1/2W 5% (AC3691)
R11	RESISTOR CARBON NOT FITTED
R16	RESISTOR CARBON 680R 1/4W 5% (AC0029)
R3	RESISTOR CARBON 150K 1/4W 5% (AC0068)
R8	RESISTOR CARBON 100K 1/4W 5% (AC0064)
R7	RESISTOR CARBON 22R 1/4W 5% (AC0004)
R9	RESISTOR CARBON 10K 1/4W 5% (AC0046)
R13	RESISTOR CARBON 4K7 1/4W 5% (AC0044)
R10	RESISTOR CARBON 1K0 1/4W 5% (AC0031)
U3	REG 7815 15V (AE0047)
U4	REG 7915 -15V (AE0048)
NTC1	INRUSH SUPPRESSOR THERMISTOR S 236/20/M NTC20R (AE3478)
L6	INDUCTOR 150uH 280MA (AM2970)
L8	INDUCTOR 7.4mH 0.8A CMC MURATA (AM5654)
CN1	IEC MAINS INLET (AL3179)
U1	IC UC3842AN SMPS (AE3473)
F1	FUSE TR5 1A A/SURGE RADIAL (LITTLEFUSE) (AL10084)
SW1	E-Switch-P197EEPC (AL10692)
D5	DIODE P6KE200A TAPED (AE3471)
D11	DIODE BZX79C22V 22V ZENER (AE4933)
D2	DIODE BYV27-600 600V 2A (AE3469)
D3	DIODE BYV27-600 600V 2A (AE3469)
D4	DIODE BYV27-600 600V 2A (AE3469)
D1	DIODE BYV26E 1KV 1A (AE3470)
D6	DIODE BYV26E 1KV 1A (AE3470)
D7	DIODE BYV26E 1KV 1A (AE3470)
D9	DIODE 1N5819 SCHOTTKY (AE3914)
D10	DIODE 1N4002 RECTIFIER (AE0005)
CN2	Connector BOX,Molex Type 0.1" Pitch 5x2 pins (AL4662)
L2	CHOKE 20mH 0.5A CMC MURATA (AM5653)
L3	CHOKE 4.7UH (AM3567)
L5	CHOKE 4.7UH (AM3567)
L7	CHOKE 4.7UH (AM3567)
C12	CAPACITOR MYLAR 2N2 100V 10% (AF0151)
C14	CAPACITOR MULTILAYER CERAMIC 100NF 100V (AF2689)
C1	CAPACITOR MULTILAYER CERAMIC 47PF 1KV (AF3075)

C2	CAPACITOR METALISED POLYESTER 100NF 275V X2 (AF3073)
C29	CAPACITOR METALISED POLYESTER 100NF 275V X2 (AF3073)
C10	CAPACITOR METALISED POLYESTER 2N2 300V Y2/X1 (AF3071)
C30	CAPACITOR METALISED POLYESTER 2N2 300V Y2/X1 (AF3071)
C31	CAPACITOR METALISED POLYESTER 2N2 300V Y2/X1 (AF3071)
C17	CAPACITOR ELECTROLYTIC 470uF 25V LESR (AF3462)
C18	CAPACITOR ELECTROLYTIC 470uF 25V LESR (AF3462)
C19	CAPACITOR ELECTROLYTIC 470uF 25V LESR (AF3462)
C20	CAPACITOR ELECTROLYTIC 470uF 25V LESR (AF3462)
C21	CAPACITOR ELECTROLYTIC 470uF 25V LESR (AF3462)
C15	CAPACITOR ELECTROLYTIC 120uF 63V LESR (AF3464)
C16	CAPACITOR ELECTROLYTIC 120uF 63V LESR (AF3464)
C22	CAPACITOR ELECTROLYTIC 100uF 25V (AF0221)
C23	CAPACITOR ELECTROLYTIC 100uF 25V (AF0221)
C7	CAPACITOR ELECTROLYTIC 68uF 400V 105C 21.5 HIGH (AF5616)
C26	CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)
C27	CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)
C32	CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)
C25	CAPACITOR ELECTROLYTIC 47uF 50V LESR (AF5000)
C11	CAPACITOR ELECTROLYTIC 10uF 50V (AF0214)
C24	CAPACITOR DISK CERAMIC 330PF 63V (AF0105)
C13	CAPACITOR DISK CERAMIC 150PF 50V (AF3972)
BR1	BRIDGE 2KBP06M (AE3477)