

Manufacturer
 ASTEC
MODEL AA13591
 MADE IN MALAYSIA

Specifications:
 MAXIMUM CONTINUOUS OUTPUT POWER
 WITH NATURAL CONVECTION IS 38W

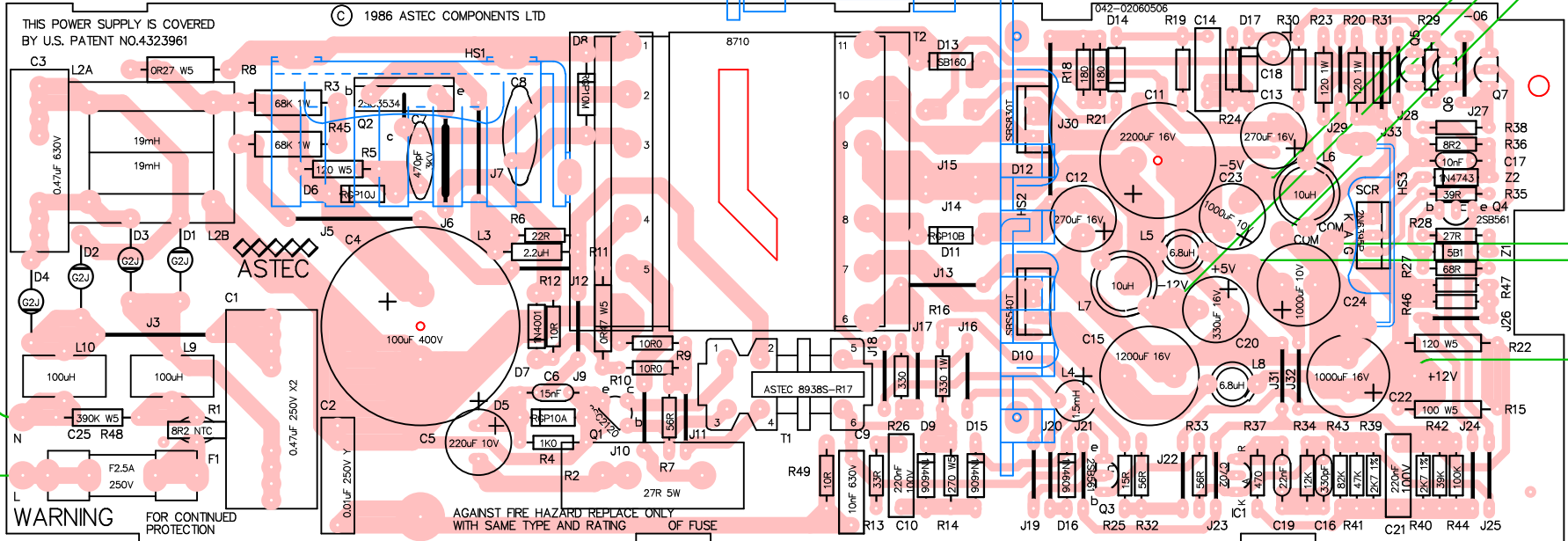
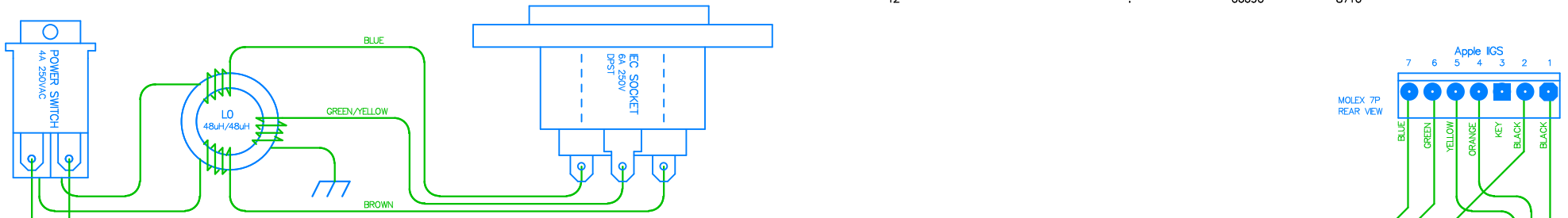
INPUT:	
V1	+ 5V 4.0A
V2	+12V 2.5A
V3	- 5V 0.25A
V4	-12V 0.25A
OUTPUT:	
V1	+ 5V 4.0A
V2	+12V 2.5A
V3	- 5V 0.25A
V4	-12V 0.25A
COMMON	
COMMON	

Component Notes:

- R1 NTC Thermistor ~8R2@25C
 - R49 redundant 10R fitted to PCB
 - C4 100uF 400V (ESR < 0.24 Ohms)
 - C5 220uF 10V (ESR < 0.28 Ohms)
 - C11 2200uF 16V (ESR < 0.03 Ohms)
 - C12, C13 270uF 16V (ESR < 0.28 Ohms)
 - C15 1200uF 16V (ESR < 0.07 Ohms)
 - C20 330uF 16V (ESR < 0.14 Ohms)
 - C22 1000uF 16V (ESR < 0.10 Ohms)
 - C23, C24 1000uF 10V (ESR < 0.08 Ohms)
 - C25 mislabelled near R48 ?
- } Typical ESR values.

Component Variants

Component Variants	REV -02	REV -03	REV -06
C12		270uF/220uF 16V	
C13		270uF 16V/10V	
D5	?	PLR810	RGP10A
IC1	?	C413	C702
R3, R45	100K	68K	68K
R15	100R 1/2W	not fitted	not fitted
R18, R21	470R	180R	180R
R25	8R2	8R2	15R
R36	10R	10R	8R2
R41	100K	100K	47K
R42	220K	68K	39K
R43	100K	not fitted	82K
R44	not fitted	100K	not fitted
T2	?	06690	8710



NOTE: Tracks are for reference only.
 Track widths are not-to-scale.
 Pads are not-to-scale.
 Component placement is +/- 50mil

Report errors to: apple.iegsg@gmail.com

Title Apple IIGS 240V Power Supply		
Size A4	Number ASTEC Model No. AA13591 APPLE Model No. 699-D127	Revision 2.0
Date: 06 Apr 2020	Sheet 1 of 1	
File: ASTEC-GS.PCB	Drawn By: Mark Cummings	
Protel for Windows v1.1	Checked By:	