

Manufacturer
AE
APPLIED ENGINEERING
Model No: 8950/4589

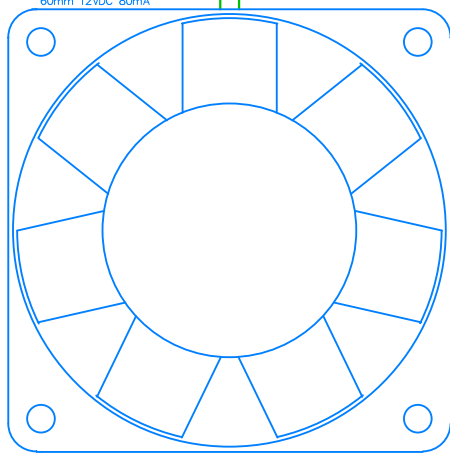
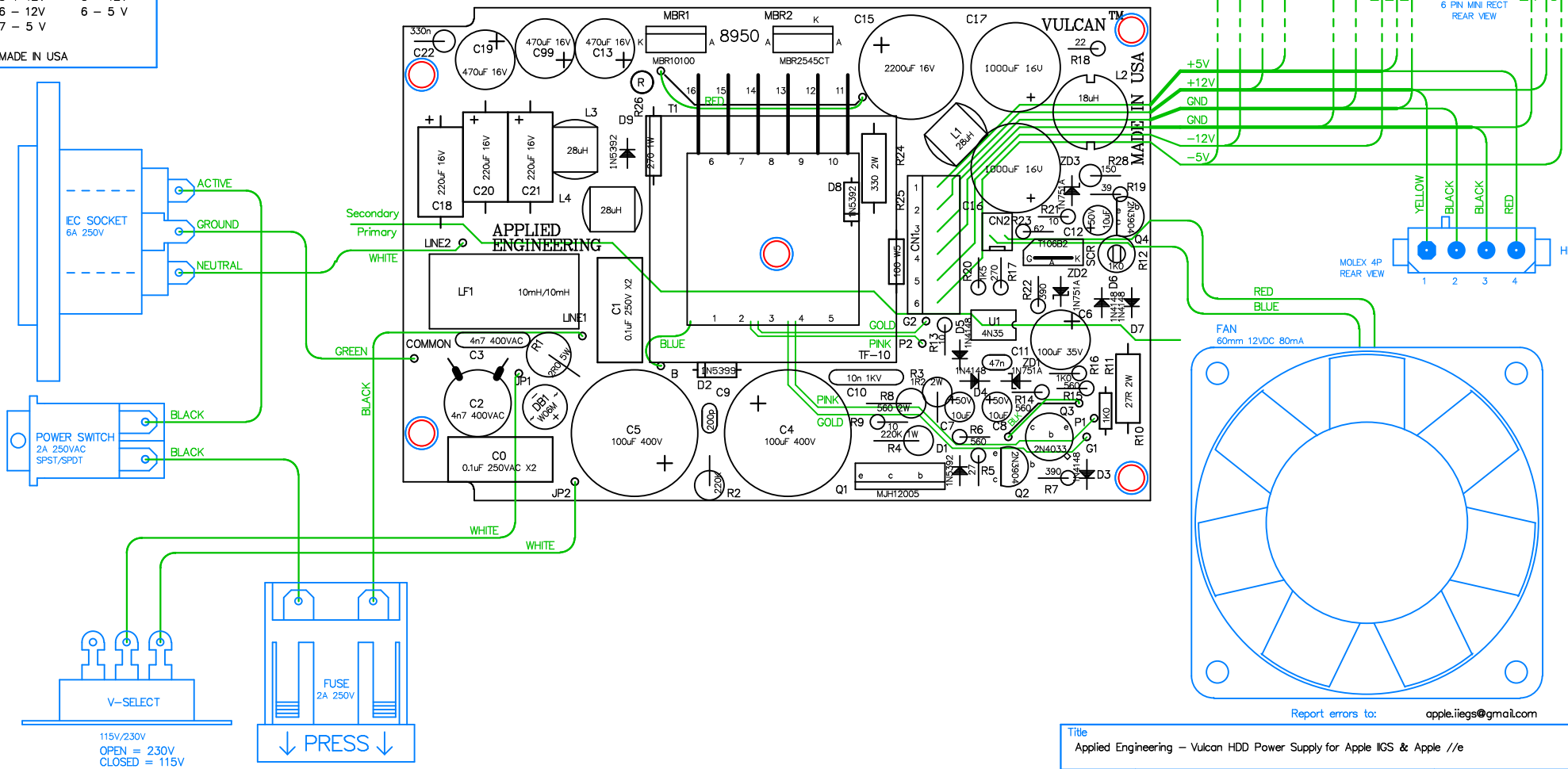
Specifications:
70 full watts w/o fan
115/230 VAC 50/60 Hz
40 degrees C w/ fan
60 degrees C w/o fan
under full load
Adjustable 5 volts DC

OUTPUT IGS: OUTPUT //e:
1 COMMON 1 COMMON
2 COMMON 2 COMMON
3 KEY 3 + 5 V
4 + 5 V 4 + 12V
5 + 12V 5 - 12V
6 - 12V 6 - 5 V
7 - 5 V

MADE IN USA

Component Notes:			Component Variants		
			//e PCB #4589	IGS PCB #8950	
C4, C5 (#4589)	100uF 250V	(ESR < 1.0 Ohms)	C4, C5	100uF 250V	100uF 400V
C4, C5 (#8950)	100uF 400V	(ESR < 1.2 Ohms)	C6	100uF 35V	100uF 25V
C6 (#4589)	100uF 35V	(ESR < 0.5 Ohms)	Q1	MJH16018	MJH12005
C6 (#8950)	100uF 25V	(ESR < 0.5 Ohms)	LF1	3.9mH/3.9mH	10mH/10mH
C7, C8, C12	10uF 50V	(ESR < 1.9 Ohms)			
C13, C19, C99	470uF 16V	(ESR < 0.2 Ohms)			
* C13/C99	(parallel ESR < 0.1 Ohms)				
C15	2200uF 16V	(ESR < .07 Ohms)			
C16, C17	1000uF 16V	(ESR < 0.1 Ohms)			
C18, C20, C21	220uF 16V	(ESR < 0.4 Ohms)			

Acceptable ESR reading



Report errors to: apple.iiegs@gmail.com

Title Applied Engineering – Vulcan HDD Power Supply for Apple IGS & Apple //e		
Size A4	Number #8950 & #4589 (REV B)	Revision 1.0
Date: 17 Feb 2020	Sheet 1 of 1	Drawn By: Mark Cummings
File: VULCAN50.PCB	Protel for Windows v1.1	Checked By: