

0117 Revision (-) GPC41-5 40W power supply							
ITEM	QUAN	REFDES	MPN	MFR	VPN	VEN	VAL
1	1.000	R1					0.56 ohm 1W 5% axial
2		R2					120K 2W 5% axial
3		R3					100 ohm 1/4W 1% axial
4		R4					750K 1W 5% axial
5		R5					680 ohm 1/4W 5% axial
6		R6,R13,R15					1K 1/8W 5% axial
7		R7					13.7K 1/4W 1% axial
8		R8					60.4K 1/8W 1% axial
9		R9					1.24K 1/8W 1% axial
10		R10					60.4K 1/4W 1% axial
11		R11					1.30K 1/4W 1% axial
12		R12					100 ohm 1/4W 5% axial
13		R14					470K 1W 5% axial
14		R16					33K 2W 5% axial
15		R17					47 ohm 1W 5% axial
16		R18					47 ohm 1/8W 5% axial
17		R19,R20					22 ohm 1W 5% axial
18		R21					27 ohm 1/8W 5% axial
19		RT1					12 ohm PTC
20		C1					0.22uF 275VAC film
21		C2					47uF 25V radial elec
22		C3,C8					0.001uF X7R MLC
23		C4					0.01uF X7R MLC
24		C5,C6					100pF 400VAC CDC
25		C7					120uF 400V radial elec
26		C9					0.0022uF 1KV CDC
27		C10					0.01uF 250V X7R CDC
28		C11,C22					0.33uF Z5U MLC
29		C13					0.022 X7R MLC
30		C14,C16,C18					1200uF 16V radial elec
31		C15					0.1uF X7R MLC
32		C17					4.7uF 63V radial elec
33		C20					0.001uF 1KV CDC
34		M1	V320LA20AP	Littelfuse	F3023-ND	Digikey	VARISTOR 320V 14MM 80J RADIAL LA
35		L1		Condor		Condor	6T coil
36		T1	34969-A	Condor	34969-A	Condor	Input choke
37		T2	34068-B	Condor	34068-B	Condor	Output transformer
38		CR1	KBP206G	Diodes	KBP206GDI-ND	Digikey	RECT BRIDGE GPP 600V 2A KBP
39		CR2,CR3	1N4937-T	Diodes	1N4937DICT-ND	Digikey	RECTIFIER FST REC 600V 1A DO-41
40		CR4	1N4746A-T	Diodes	1N4746ADICT-ND	Digikey	DIODE ZENER 18V 1W DO-41
41		CR5	1N5232B-T	Diodes	1N5232BDICT-ND	Digikey	DIODE ZENER 5.6V 500MW DO-35
42		CR6	MBR1045	On Semi	MBR1045OS-ND	Digikey	DIODE SCHOTTKY 45V 10A TO220AC
43		CR7	1N4728A-T	Diodes	1N4728ADICT-ND	Digikey	DIODE ZENER 3.3V 1W DO-41
44		SCR1	S0508R (S2008R)	Teccor	S2008R-ND	Digikey	SCR NON-SENSITIVE GATE 8.0A 50V
45		Q1	P6NK60Z	ST Micro	497-3198-5-ND	Digikey	MOSFET N-CH 600V 6A TO-220
46		Q2	MPS2907ARLRAG	On Semi	MPS2907ARLRAGOSCT-ND	Digikey	TRANS PNP GP SS 60V TO92
47		U1	UC3844AN	TI	296-11291-5-ND	Digikey	IC CUR-MODE PWM CONT 8-DIP
48		U2	CNY17F-3	Lite-On	160-1320-5-ND	Digikey	OPTOISOLATOR W/O BASE 6-DIP
49		U4	TL431CLP	TI	296-1290-ND	Digikey	IC ADJ SHUNT REG TO-92
50		J1					2 pin header
51		J2					4 pin header
52		W1-W6					Wire jumper
53							
54		PWB	2-34969-1	Condor	2-34969-1	Condor	PWB