

Designator	Comment	Description	Footprint	Quantity	From	Price ea.	Comments
<b>Power PCB WG30 Rev1 Assembly</b>							
Blank PCB		WG30Rev1		1			
C1 - C6, C9, C11	1u	Capacitor	2.54mm (0.1")	8			
C7, 8	1n5	Capacitor	2.54mm (0.1")	2			
C10	22u 10V	Capacitor	0.1" or 0.2"	1			
D1 - D4	LINK	Wire Link	3.81mm 0.15"	4			
D5	12V 1W	Zener Diode	3.81mm 0.15" Vert	1			
D6	5V1 1W	Zener Diode	3.81mm 0.15" Vert	1			
J1	8 Way Pin Strip	0.1" Header Strip	HDR8	1			
OC1 - OC4	FOD3182	Opto 3A Gate Drive	DIP8/300	4			
Q1 - Q8	HY5608W	NCH 360A 80V FET	TO-247HLSNG	8	LCSC	\$1.30/30off	Note USD + Del
Q9 - Q16	HY5608W	NCH 360A 80V FET	TO-247HLDNG	8	LCSC	\$1.30/30off	Suggest Buy 40
Q17, 19, 21, 23	FZT1049ATA	NPN Transistor	TO-223 Vert	4		~30c	
Q18, 20, 22, 24	ZX5T951GQTC	PNP Transistor	TO-223 Vert	4		~30c	
R1, 5, 9, 13	0R	Wire Link	3.8mm (0.15" pitch)	4			
R2, 3, 6, 7, 10, 11, 14, R15	1K	0.25 - 0.6W Axial	3.8mm pitch V	8			
R4	100R	0.25 - 0.6W Axial	3.8mm pitch V	1			
R17, 18, 19, 20	120R	0.25 - 0.6W Axial	10mm (0.4"pitch)	4			
R24	1K	0.25 - 0.6W Axial	10mm (0.4"pitch)	1			
R26	10K	0.25 - 0.6W Axial	10mm (0.4"pitch)	1			
R27 - R29	10K	0.25 - 0.6W Axial	3.8mm pitch V	3			
T1 - T4	CON Screw 120A	PCB-5 M6 Terminal	6 Pin 13 x 12.6 x M6	4	Ali	\$10.10 10pcs	Note AUD Free delivery
T5 - T16	CON Screw 33A	PCB-7 M4 Terminal	4 Pin 10 x 5 x M4	12	Ali	\$4.72 20pcs	Freight \$7.74
U1, 2	DC-DC 1W	LCSC C7465190	SPU01V	2	LCSC	0.90c	Note USD + Del
U3	DC-DC 2W	LCSC C5199978	SPU02M	1	LCSC	\$1.88	Note USD + Del

### Capacitor PCB WG06 Rev1 Assembly ( 2 x required for 1 power board)

Blank PCB		WG06Rev1		2			
C1 - C4	10,000u 80V	Electrolytic 35mmD	2.54mm (0.1")	8	Digikey	\$6.91	8200u \$Au 10off