

OL-DRSSTCMasterPartsList  
Oct. 4, 2005 V5.0

	Order	Reference	Quantity	Manufacturer	Part Number	Description	Vendor	Part Number	Cost Each	Cost Total	
H-Bridge	0	C1, C2	2	Cornell Dubilier	942C6W2P5K	2.5uF 600V Metal Foil Polypropylene Caps	Richardson	942C6W2P5K	5.25	10.5	
	0	C3,C4	2	Panasonic	ECK-D3A103KBP	10nF 1kV Ceramic Capacitor	DigiKey	P4140-ND	0.96	1.91	
	0	IGBT1-IGBT4	4	International Rectifier	IRG4PF50WD	900V 204Apeak IGBT with Diode	DigiKey	IRG4PF50WD-ND	7.11	28.44	
	4	R1-R4	4	Panasonic	ERG2SJ101	100 Ohm 2W Resistor	DigiKey	P100W-2BK-ND	0.28	1.12	
	4	TVS1-TVS4	4	Diodes Inc.	1.5KE24CACT	24V 1500 Watt Bi-Dir TVS	DigiKey	1.5KE24CADICT-ND	0.6	2.38	
	0	Terminal Block	4	Molex	1716020000	2-Pos Terminal Block	DigiKey	281-1435-ND	0.51	2.05	
	0	Terminals	8	Keystone	8191	Screw Terminal	DigiKey	8191K-ND	0.02	0.16	
	0	PC Board	1	ExpressPCB	H-Bridge-02.pcb	Drive PC Board	ExpressPCB	H-Bridge-02.pcb	20	20	
	0	Heat Sink	4	Wakefield	634-20ABP	Small Heat Sink – IGBT	DigiKey	345-1027-ND	2.42	9.68	
									Total	76.25	76.25
Feedback	2	CT11-CT4	4	Triad	CST206-1T	120A Current Transformer 10k-200k Hz	DigiKey	237-1097-ND	6.67	26.68	
								Total	26.68	26.68	
Firing Circuit	0	D1	1	Diodes Inc.	1N4007DICT	1N4007 Rectifier	DigiKey	1N4007DICT-ND	0.26	0.26	
	1	C1	1	Panasonic	ECWF2105JB	1uF 250V Poly Capacitor	DigiKey	PF2105-ND	0.79	0.79	
	1	R1	1	Panasonic	ERG3SJ152	1.5K 3W Resistor	DigiKey	P1.5KW-3BK-ND	0.51	0.51	
	1	R2	1	Panasonic	ERX3SJ2R7	2.7 Ohm 3W Resistor	DigiKey	P2.7W-3BK-ND	0.51	0.51	
	1	SIDAC1	1	Teccor	K1400E70	140V 1A SIDAC	DigiKey	K1400E70-ND	0.05	0.05	
						1M Ohm 1/2 Watt resistor			Total	2.12	2.12
AC Line	1	F1	1	Bussmann	MDA-15	15A SlowBlow Fuse	DigiKey	283-2310-ND	1.23	1.23	
	1	D1	1	Crydom	CC1493	20A 1000PIV Rectifier	DigiKey	CC1493-ND	1.95	1.95	
	20	C1- C20	20	Panasonic	EEUEB2E220	22uF 250V Elect. Capacitor	DigiKey	PF5922-ND	0.63	12.68	
	1	FAN1	1	Sunon	259-1104-ND	120VAC 92MM AC Fan	DigiKey	259-1104-ND	11.82	11.82	
		Fan Guard	1			Fan Guard	DigiKey	CR220-ND			
								Total	27.68	27.68	
								Total		132.73	