

Number to Build

Modified-April 15, 2010

Total Needed
Quantity

15 Filter Box Assembly

	Filter Box Assembly	Unit Quantity	CAD Name	Part #	Manufacture	Description	
PCB	1 PCB	1	12x6_pcb	ED-173687-2	Fermi-Design	Filter Board PCB	15
Single Filter Assembly	8 1-1/2 x 2-1/4 EMI Cover	1	1.5-2.25_shield	1.5x2.25x0.5	FOTOFAB	Secondary EMI Shield 1-1/2 x 2-1/4	120
	8 Cap	1	0.01uF-sm0603	PAN ECJ-2VB2A103K	Panasonic	0.01uf C0805 10% 100wvdc	120
	8 Fence	2	EMI_1.5in-3pin_fence	29-CBS	Leader Tech	EMI Fence 29 per MD-17369x	240
	8 Fence	1	EMI_2.25in-4pin_fence	29-CBS	Leader Tech	EMI Fence 29 per MD-173690	120
	8 Fence	1	EMI_2.25in-5pin_fence	29-CBS	Leader Tech	EMI Fence 29 per MD-173691	120
	8 Cap	4	c5750x7r2a475m	TDK C5750X7R2A475M	TDK	4.7uf C2220 20% 100wvdc	480
	8 Choke	1	Pulse P0502	P0502NL	Pulse	Pulse P0502 Common Mode Choke	120
	8 Pad	1	ThermalPad 1.5x2.25	BG407955	Berquist	0.125" Thermal Pad Berg	120
Monitoring Circuit	1 Monitoring Recpt.	1	amp74578-3	AMP 745783-4	Amp	D-Type Recpt Assy 25pin RA	15
	1 Resistor	1	Generic Resistor	RN732BTTDK5760B25	KOA	576ohms_0.1%_1W	15
	1 Resistor	2	Generic Resistor	RN732BTTDK1241B25	KOA	1.24Kohms_0.1%_125W	30
	1 Resistor	1	Generic Resistor	RN732BTTDK1300B25	KOA	130ohms_0.1%_125W	15
	1 Resistor	1	Generic Resistor	RN732BTTDK1501B25	KOA	1.50Kohms_0.1%_125W	15
	1 Resistor	4	Generic Resistor	RN732BTTDK2000B25	KOA	200ohms_0.1%_125W	60
	1 Resistor	3	Generic Resistor	RN732BTTDK3010B25	KOA	301ohms_0.1%_125W	45
	1 Resistor	1	Generic Resistor	RN732BTTDK3162B25	KOA	*31.2Kohms_0.1%_125W	15
	1 Resistor	1	Generic Resistor	RN732BTTDK3321B25	KOA	3.32Kohms_0.1%_125W	15
	1 Resistor	1	Generic Resistor	RN732BTTDK6650B25	KOA	665ohms_0.1%_125W	15
	1 Resistor	3	Generic Resistor	RN732BTTDK8061B25	KOA	8.06Kohms_0.1%_125W	45
1 Thermal Switch	1	Airpax_6700	67F060	AIRPAX	Normally Open Close @ 60C	15	
Barrier Strip Assembly	8 Feedthru Caps	1	T7602	T7604-602	Tusonix	FeedThru Cap	120
	8 Barrier Strip Bracket	1	barrier_strip_bracket-d	MD-173692-D	Fermi-Design	Barrier Strip Mounting Bracket	120
	8 4-40 x 5/16" PanHd	2	4-40_5_16panhd-br			4-40 x 5/16 panhd brass screw	240
	8 8-32 x 3/4" PanHd	2	8_32_3_4panhd-br			8-32 x 3/4 panhd brass screw	240
Mounting Bracket	4 Mounting Bracket	1	mount-brkt-d	MD-173693-D	Fermi-Design	PCB Mounting Bracket	60
Bracket	4 4-40 x 1/4" PanHd	2	4-40_1_4panhd			4-40 x 1/4" panhd screw ss	120
Cover	1 12 x 6 EMI Cover	1	12x6_shield	MD-173689-D	Fermi-Design	Primary EMI Shield	15

* requires 31.6K||2.49Meg = 31.2K