

# BM2P121X-EVK-001 Parts list



Part Reference	Qty.	Type	Value	Description	Part Number	Manufacture	Configuration mm (inch)
C1	1	X2 Capacitor	0.22 $\mu$ F	275Vac, $\pm$ 20%	890324023028CS	Wurth	-
C2,C3	2	Y1 Capacitor	2200pF	Y1 capacitor	DE1E3KX222MB4BP01F	Murata	-
C4	1	Electrolytic	22 $\mu$ F	450V, $\pm$ 20%	450BXW22MEFR12.5X20	Rubycon	12.5mm $\Phi$ X20mm
C5	1	Ceramic	100pF	1kV, C0G, $\pm$ 10%	GRM31A5C3A101J	Murata	3216 (1206)
C6	1	Ceramic	2.2 $\mu$ F	50V, X7R, $\pm$ 10%	UMK316B7225KL-T	Taiyo Yuden	3216 (1206)
C7	1	Electrolytic	680 $\mu$ F	25V, $\pm$ 20%	UPA1E681MPD	Nichicon	10mm $\Phi$ X16mm
C8	1	Ceramic	0.1 $\mu$ F	100V, X7R, $\pm$ 10%	HMK107B7104MA-T	Taiyo Yuden	1608 (0603)
CN1	1	Connector	2pin	5mm pitch	B2P-NV	JST	-
D1	1	FRD	5A	600V	RFN5BM6S	ROHM	TO-252
D2	1	REC Di	0.2A	600V	RRE02VSM6S	ROHM	TUMD2SM
DB1	1	Bridge	1A	800V	D1UBA80	Shindengen	SOP-4
F1	1	Fuse	1.6A	1.6A 300V	36911600000	Littelfuse	-
IC1	1	AC/DC Converter	-	650V	BM2P121X-Z	ROHM	DIP7
JP1	1	Jumper	-	Jumper Wire	-	-	$\Phi$ 0.5mm
L1	1	Coil	150 $\mu$ H	1.9A	XF1501Y-151	Alpha Trans	-
LF1	1	Line Filter	13mH	1A	XF1482Y	Alpha Trans	-
LF2	1	Line Filter	60 $\mu$ H	1A	LF1246Y	Alpha Trans	-
PCB	1	FR4	-	-	-	-	-
R1,R2,R3	3	Resistor	220k $\Omega$	0.25W, $\pm$ 5%	MCR18EZPJ224	ROHM	3216 (1206)
R4	1	Resistor	10k $\Omega$	0.25W, $\pm$ 5%	MCR18EZPJ103	ROHM	3216 (1206)
ZNR1	1	Varistor	-	300Vac, 423Vmin, 400A	V470ZA05P	Littelfuse	5mm $\Phi$ Disc

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