

BM2P0161-EVK-003 Parts list



Part Reference	Qty.	Type	Value	Description	Part Number	Manufacture	Configuration mm (inch)
C1,C2	2	X2 Capacitor	0.1μF	300Vac, ±20%	890324023023CS	Wurth	-
C5	1	Electrolytic	47μF	450V, ±20%	450BXW47MEFR16X25	Rubycon	16mmΦX25mm
C6	1	Ceramic	2200pF	1000V, X7R, ±10%	GRM31BR73A222KW01	Murata	3216 (1206)
C7	1	Ceramic	47pF	1000V, X7R, ±10%	RDE5C3A470J2K1H03B	Murata	-
C8	0	Ceramic	NC	-	-	-	1608 (0603)
C9	1	Ceramic	1000pF	100V, X7R, ±10%	HMK107B7102KA-T	Taiyo Yuden	1608 (0603)
C10	1	Ceramic	10μF	35V, ±10%	GMK316AB7106KL-TR	Taiyo Yuden	3216 (1206)
C11	1	Y1 Capacitor	2200pF	Y1 capacitor	DE1E3KX222MB4BP01F	Murata	-
C13	1	Electrolytic	1000uF	25V, ±20%	25ZLJ1000M10X20	Rubycon	10mmΦX20mm
C15,C16	2	Ceramic	0.1μF	100V, X7R, ±10%	HMK107B7104KA-T	Taiyo Yuden	1608 (0603)
D1	1	FRD	0.8A	700V	RFN1LAM7S	ROHM	PMDTM
D2	1	REC Di	0.2A	400V	RRE02VSM4S	ROHM	TUMD2SM
D3	1	SBD	10A	150V	RB088BGE150	ROHM	TO-252
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	BM2P0161	ROHM	DIP7
IC2	1	Shunt Regulator	-	±0.5%	TL431BIDBZT	TI	SOT-23-3
LF1	1	Line Filter	13mH	1A	XF1482Y	Alpha Trans	-
PC1	1	Optocoupler	-	5kV	LTV-817-B	LiteON	DIP4
T1	1	Transformer	-	Bobin:EI-2506, Core:EE25/20	XE2181A	Alpha Trans	-
R4	1	Resistor	0.43Ω	2W, ±1%	LTR100JZPFLR430	ROHM	3264 (1225)
R5	1	Resistor	5.6Ω	0.25W, ±5%	MCR18EZPJ5R6	ROHM	3216 (1206)
R6	1	Resistor	0Ω	0.25W	MCR18EZPJ000	ROHM	3216 (1206)
R7	1	Resistor	100kΩ	2W, 700V, ±2%	ERG2SJ104E	Panasonic	-
R10	1	Resistor	33kΩ	0.1W, ±1%	MCR03EZPFX3302	ROHM	1608 (0603)
R11	1	Resistor	5.6kΩ	0.1W, ±1%	MCR03EZPFX5601	ROHM	1608 (0603)
R12	1	Resistor	10kΩ	0.1W, ±1%	MCR03EZPFX1002	ROHM	1608 (0603)
R13	1	Resistor	2.2kΩ	0.1W, ±5%	MCR03EZPF222	ROHM	1608 (0603)
R14	1	Resistor	1kΩ	0.1W, ±5%	MCR03EZPJ102	ROHM	1608 (0603)
R15	1	Resistor	27kΩ	0.1W, ±5%	MCR03EZPJ273	ROHM	1608 (0603)
ZNR1	1	Varistor	-	300Vac, 423Vmin, 400A	V470ZA05P	Littelfuse	5mmΦ Disc

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