

BM1P10CFJ-EVK-001 Parts list



	Item	Specifications	Parts name	Manufacture
Capacitor	C1	470 n, 310 Vac	890334025039CS	WURTH ELECTRONIK
	C2	220 n, 310 Vac	890334025027CS	WURTH ELECTRONIK
	C3	120 μ , 450 V	450CXW120MEFC18x31.5	RUBYCON
	C4	22 nF, 630 V	885342208014	WURTH ELECTRONIK
	C5	100 p, 1000 V	885342208022	WURTH ELECTRONIK
	C6	10 μ F, 63 V	860080772001	WURTH ELECTRONIK
	C7	1000 pF, 100 V	HMK107B7102KA-T	TAIYO YUDEN
	C8	100 p, 100 V	885012206102	WURTH ELECTRONIK
	C10	0.1 μ F, 100 V	HMK107B7104KA-T	TAIYO YUDEN
	C11	680 μ F, 35 V	860080578019	WURTH ELECTRONIK
	C12	0.1 μ F, 100 V	HMK107B7104KA-T	TAIYO YUDEN
	C9,C13,C18,C22,C24	NON MOUNTED	-	-
	C14	22 nF, 630 V	885342208014	WURTH ELECTRONIK
	C15	1 n, 630 V	885342208011	WURTH ELECTRONIK
	C17	2200 pF, AC 500 V	DE1E3RA222MA4BP01F	MURATA
	C19	2200 pF, AC 500 V	DE1E3RA222MA4BP01F	MURATA
	C20	2200 pF, AC 500 V	DE1E3RA222MA4BP01F	MURATA
	C21	470 μ F, 35 V	860080575017	WURTH ELECTRONIK
Diode	D1	1 A, 1000 V	1N4007	MCCSEMI
	D2	1 A, 1000 V	1N4007	MCCSEMI
	D3	FRD, 0.8 A, 700 V	RFN1LAM7S	ROHM
	D4	FRD, 0.5 A, 200 V	RF05VAM2S	ROHM
	D5	FRD, 600 V, 0.2 A	RFU02VSM6S	ROHM
	D6	FRD, 200 V, 20 A	RF2001T2DNZ	ROHM
	D7	FRD, 600 V, 0.2 A	RFU02VSM6S	ROHM
Opto-Coupler	PC1		LTV-817-B	LITEON
MOSFET	Q1	800 V, 9 A	R8009KNX	ROHM
	Q2	20 V, 0.1 A	RU1C001UN	ROHM
Diode-Brigde	DB1	800 V, 10 A	D10XB80	SHINDENGEN

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Resistor	R1	100 Ω	ESR18EZPJ101	ROHM
	R2	100 Ω	ESR18EZPJ101	ROHM
	R3,R15	NON MOUNTED	-	-
	R4	0 Ω	MCR03EZPJ000	ROHM
	R5	3.3 kΩ	MCR03EZPJ332	ROHM
	R6	100 kΩ	MOS2CT52R104J	KOA
	R7	22 Ω	ESR18EZPJ220	ROHM
	R8	220 Ω	MCR03EZPJ221	ROHM
	R9	10 kΩ	MCR03EZPJ103	ROHM
	R10	220 mΩ	LTR50EZPZFLR220	ROHM
	R11	10 kΩ	ESR18EZPJ103	ROHM
	R12	0 Ω	MCR18EZPJ000	ROHM
	R13	47 Ω	ESR18EZPJ470	ROHM
	R14	33 kΩ	MCR03EZPJ333	ROHM
	R16	0 Ω	MCR03EZPJ000	ROHM
	R17	200 kΩ	MCR03EZPFX2003	ROHM
	R18	100 kΩ	MCR03EZPFX1003	ROHM
	R19	3.9 kΩ	MCR03EZPJ392	ROHM
	R20	15 kΩ	MCR03EZPJ153	ROHM
	R21	2.2 kΩ	MCR03EZPJ222	ROHM
R23	200 kΩ	MCR03EZPJ204	ROHM	
R25	30 kΩ	MCR03EZPFX3002	ROHM	
R27	47 Ω	MCR03EZPJ470	ROHM	
R28	10 Ω	ESR18EZPJ100	ROHM	
Fuse	F1	1.6 A, 300 V	38911600000	LITTELFUSE
Varistor	ZNR1	300 V, 400 A	V470ZA05P	LITTELFUSE
Coil	LF1	34.5 mH	SSR21NV-M12345	KMENT
	LF2	60 μH	LF1246Y	ALPHA TRANS
Transformer	T1	PQ 26	XE2395Y	ALPHA TRANS
IC	IC1		BM1P10CFJ	ROHM
	IC3		NCP431AVSNT1G	ONSEMI
Heatshink	HEAT1	22.9 kW	IC-1625-STL	SANKYO THRMOTECH
	HEAT2	22.9 kW	IC-1625-STL	SANKYO THRMOTECH
Connector	CN1		B02P - NV	JST
Pin	TP1~4		CD-10-15	MAC8

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