

BM3G007MUV-EVK-002 BOM



Item	Specification	Parts Name	Manufacturer
C1,C2,C3	470 nF, 310 Vac	890334025039CS	WURTH ELECTRONIK
C4	0.22 μ F, 310 Vac	890334023027CS	WURTH ELECTRONIK
C5	0.1 μ F, 630 Vdc	890324023023CS	WURTH ELECTRONIK
C6	220 μ F, 450 V	861021486029	WURTH ELECTRONIK
C8	0.47 μ F	UMK212BJ474KG-T	TAIYO YUDEN
C13	10 nF,50 V	885012206089	WURTH ELECTRONIK
C14	1nF,50 V	HMK107B7102KA-T	TAIYO YUDEN
C15	33 μ F, 50 V	860020672012	WURTH ELECTRONIK
C17,C18	2200 pF, Y1:300 Vac	DE1E3RA222MA4BP01F	MURATA
C19	0.1 μ F,50 V	GRM188R72A104KA35D	MURATA
C20	1 μ F / 35V	GMK212BJ105KG-T	TAIYO YUDEN
C7,C9,C10,C11,C12	-	NON-MOUNDTED	
CN1	3pin	B03P-NV(LF)(SN)	JST
CN2	3pin	6.91138E+11	WURTH ELECTRONIK
D1	FRD,20 A, 600 V	RFNL20TJ6S	ROHM
D2	3 A, 1k V	1N5408G	Onsemi
D3, D4	FRD, 0.5 A, 200 V	RF05VAM2S	ROHM
DB1	600 V	GBUE2560-M3/P	VISHAY
F1	310 Vac, 3.15 A	36913150000	LITTLE
L1	150 μ H 12 A	750345199	WURTH ELECTRONIK
L2	90 μ H	7447013	WURTH ELECTRONIK
LF1, LF2	35 mH/ 3.5 A	7448040435	WURTH ELECTRONIK
LF3	60 μ H	LF1246Y	ALPFATRANS
HEATSHINK1	8.3 $^{\circ}$ C/W	20PBE55-25B	MARUSAN
HEATSHINK2	14 $^{\circ}$ C/W	E2A-T220-38E	OHMITE
HEATSHINK3	32.7 k/W	OSH-1525-SFL	SANKYO THRMOTECH
IC1		BD7695FJ	ROHM
IC2		BM3G007MUV-EVK-003	ROHM
R1	820 k Ω	KTR18EZPF8203	ROHM
R2	750 k Ω	KTR18EZPF7503	ROHM
R3	10 k Ω	MCR03EZPFX1002	ROHM
R5,R6	680 k Ω	KTR18EZPJ684	ROHM
R7	6.8 k Ω	MCR03EZPJ682	ROHM
R8	27k Ω	MCR03EZPJ273	ROHM
R10,R11	100 Ω	MCR18EZPJ101	ROHM
R15, R16	220 m Ω	LTR50UZPFLR220	ROHM
R17,R18	100 k Ω	ESR18EZPJ104	ROHM
R19	20 k Ω	ESR18EZPJ203	ROHM
R4,R12,R13,R14	-	NON-MOUNDTED	
TH1	2 Ω , 4 A	2D2-13LD	SEMITEC
ZD1	24V	TFZV24B	ROHM
SCREW1,SCREW2		P-4 3MC 3 \times 8	
PCB		PCB0257E	

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