

# BM1Q104FJ-EVK-001 Parts list



Items	Specifications	Parts name	Manufacture
C1,C2	0.47uF/310V	890334025039CS	WURTH ELECTRONIK
C4,C5	150uF/450V	450QXW150M	Rubycon
C7	2.2nF/500V	GRM31BR73A222KW01	MURATA
C8,C18	0.1uF/100V	HMK107B7104KA-T	TAIYO YUDEN
C10	1000pF	HMK107B7102KA-T	TAIYO YUDEN
C11	100pF	HMK107SD101KA-T	TAIYO YUDEN
C12	22pF/1kV	885342008008	WURTH
C13	33uF/50V	860020672012	WURTH ELECTRONIK
C14	10uF/35V	GRM31CC8YA106KA12L	MURATA
C16	680uF/35V	860080578019	WURTH ELECTRONIK
C17	1000uF/35V	860080578021	WURTH ELECTRONIK
C21,C22,C23	2200 pF, Y1:300 Vac	DE1E3RA222MA4BP01F	MURATA
C25	680pF / 630V	GRM31A7U2J681JW31-00B	MURATA
CN1		B03P-NV	JST
D1,D7,D8	FRD 700 V / 0.8 A	RFN1LAM7STR	ROHM
D2	FRD 200 V / 0.5 A	RF05VAM2STR	ROHM
D3	400 V / 0.2 A	RRE02VSM4STR	ROHM
D4	SBD 40 V / 0.1 A	RB500VM-40TE17	ROHM
D5,D6	FRD 300 V / 20 A	RF2001T3DNZC9	ROHM
DB1	600 V	GBUE2560-M3/P	VISHAY
F1	2A 300 V	36912000000	LITTELFUSE
FL1	20.5mH 2.5A	SSRH24NV-25205	TOKIN
FL2	14uH	744841414	WURTH
IC1		BM1Q104FJ	ROHM
IC3		NCP431AVSNT1G	On-semi
PC1		LTV-817	LITE-ON
Q1		R6524KNX3C16	ROHM
Q2		2SAR523UBTL	ROHM
R1	47 k / 2 W	ERG2SJ473E	Panasonic
R2,R5	10Ω	ESR18EZPJ100	ROHM
R3	10 kΩ	KTR18EZPJ103	ROHM
R4	2.2Meg	KTR18EZPJ225	ROHM
R6	47Ω	ESR10EZPJ470	ROHM
R7	15k	MCR03EZPJ153	ROHM
R8	1.5k	ESR18EZPJ152	ROHM
R9,R10	0.13	LTR18EZPLR130	ROHM
R11	75k	MCR03EZPJ753	ROHM
R12,R28	10k	MCR03EZPJ103	ROHM
R13	0	MCR18EZPJ000	ROHM
R14	100k	MCR18EZPJ104	ROHM
R15	1.8	MCR25JZHFL1R80	ROHM
R16	2k	MCR03EZPF2001	ROHM
R17	68k	MCR03EZPF6802	ROHM
R18	10k	MCR03EZPF1002	ROHM
R19	2.2k	MCR03EZPJ222	ROHM
R20	16k	MCR03EZPJ163	ROHM
R21	150k	MCR03EZPJ154	ROHM
R22	330k	MCR18EZPJ334	ROHM
R23,R24,R25	560k	MCR18EZPJ564	ROHM
R26,R27	1k	MCR03EZPJ102	ROHM
T1		XE2662Y A	ALPHA TRANS
TH1	2 Ω, 4 A	2D2-13LD	SEMITEC
ZD2	24V	UDZVTE-1724B	ROHM
ZD4	39V	UDZVTE-1739B	ROHM
C6,C9,C15,C19,C20,C24,ZD3,ZNR1	-		
HEAT1	11.5 °C/W	30PBE30	MARUSAN DENKI
HEAT2	14 °C/W	E2A-T220-38E	OHMITE
HEAT 3	8.3 °C/W	20PBE55-25B	MARUSAN DENKI
TP1,TP2		CD-10-15	MAC8
Screw1,Screw2		P-4 3MC 3×8	YAWATANEJI
PCB		PCB0253D	SIGNUS

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