

# BM64300MUV-EVK-001 Part list



Part Reference	Type	Value	Part Description	Parts Number	Manufacturer	Package, Size
IC1	Motor Driver LSI	-	Motor Pre-Driver	BM64300MUV-E2	ROHM	VQFN040V6060
Q1,Q2,Q3,Q4,Q5,Q6	Nch MOSFET	100V/17.5A/85mΩ	NchMOS	RD3P175SNFRATL	ROHM	TO-252
Q101	NPN Transistor	120V,3A	NPN(120V/3A)	2SCR587D3TL1	ROHM	TO-252
D11,D21,D31	Diode	40V/0.5A	Schottky Barrier Diode	RB160VAM-40TR	ROHM	TUMD2M
D12,D22,D32	Diode	40V/0.5A	Schottky Barrier Diode	RB160VAM-40TR	ROHM	TUMD2M
D101,D102	Diode	200V/0.8A	First Recovery Diode	RF081MM 2 STF	ROHM	PMDU
C1	Electrolytic Capacitor	47uF/100V	100V,±20%	UVR2A470MPD	Nichicon	-
C2	Ceramic Capacitor	0.1µF/100V	100V,±10%	GRM188R72A104KA35D	Murata	1608
C11,C21,C31	Ceramic Capacitor	0.1µF/100V	100V,±10%	GRM188R72A104KA35D	Murata	1608
C101	Ceramic Capacitor	1.0µF/25V	25V,±10%	GRM155R61E105KA12D	Murata	1005
C102,C107	Ceramic Capacitor	0.1µF/25V	25V,±10%	GRM155R71E104KE14D	Murata	1005
C103	Ceramic Capacitor	0.1µF/25V	25V,±10%	GRM155R71E104KE14D	Murata	1005
C105	Ceramic Capacitor	0.1µF/100V	100V,±10%	GRM188R72A104KA35D	Murata	1608
C104,C106	Ceramic Capacitor	0.1µF/100V	100V,±10%	GRM188R72A104KA35D	Murata	1608
C108,C109,C110	Ceramic Capacitor	0.01µF	50V,±10%	GRM155R71H103KA88D	Murata	1005
C111	Ceramic Capacitor	1.0µF/25V	25V,±10%	GRM155R61E105KA12D	Murata	1005
R11,R21,R31	Resistor	470Ω	1%,1/10W	MCR03EZPFX4700	ROHM	1608
R12,R22,R32	Resistor	0Ω	5%,1/10W	MCR03EZPJ000	ROHM	1608
R14,R24,R34	Resistor	470Ω	1%,1/10W	MCR03EZPFX4700	ROHM	1608
R15,R25,R35	Resistor	0Ω	5%,1/10W	MCR03EZPJ000	ROHM	1608
R13,R23,R33	Resistor	10kΩ	1%,1/10W	MCR03EZPFX1002	ROHM	1608
R16,R26,R36	Resistor	10kΩ	1%,1/10W	MCR03EZPFX1002	ROHM	1608
R41	Resistor	0Ω	5%,1/10W	MCR03EZPJ000	ROHM	1608
R43,R44,R45,R46,R47	Resistor	100mΩ	1%,3/4W	LTR18EZPFLR100	ROHM	1632
R101	Resistor	510Ω	1%,1W	MCR100JZHF5100	ROHM	6432
R102,R104	Resistor	10kΩ	1%,1/10W	MCR03EZPFX1002	ROHM	1608
R103,R105,R112,R120	Resistor	100Ω	1%,1/10W	MCR03EZPFX1000	ROHM	1608
R106,R110	Resistor	10kΩ	1%,1/10W	MCR03EZPFX1002	ROHM	1608
R108	Resistor	10kΩ	1%,1/10W	MCR03EZPFX1002	ROHM	1608
R109	Resistor	20kΩ	1%,1/10W	MCR03EZPFX2002	ROHM	1608
R113,R116	Resistor	0Ω	5%,1/10W	MCR03EZPJ000	ROHM	1608
R118	Resistor	10kΩ	1%,1/10W	MCR03EZPFX1002	ROHM	1608
R121	Resistor	10Ω	1%,1/10W	MCR03EZPFX10R0	ROHM	1608
R135,R137	Resistor	0Ω	5%,1/10W	MCR03EZPJ000	ROHM	1608
R139	Resistor	200Ω	1%,1/10W	MCR03EZPFX2000	ROHM	1608
R141	Resistor	0Ω	5%,1/10W	MCR03EZPJ000	ROHM	1608
SW101	Switch	-	DIP Switch	CHS-02A1	Nidec copal electronics	-
SW103	Switch	-	DIP Switch	CHS-01A1	Nidec copal electronics	-
CN101	Pin	-	Pin Header	PSS-710102-08	Hirosugi-keiki	-
VCC5,BRK,FR,PWMB, TEST,FGO,PS,GND, VCC,U,V,W	Terminal	-	Terminal	HT0810-3	Hirosugi-keiki	-

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