## BD7682FJ-LB-EVK-402 Parts list



	Item	Specifications	Parts name	Manufacture
Capacitor	C1, C9	0.033 µF, 650 Vac	PHE450RB5330J	KEMET
	C10	N.C.	-	-
	C12	2200 pF, 50 V	08055C222JAT2A	AVX
	C14	330 pF, 1 kV	225000111543	YAGEO
	C15	0.1 µF, 50 V	UMK212BJ104KGHT	TAIYO YUDEN
	C2, C3, C4	100 µF, 450 V	450BXW100MEFR18X30	RUBYCON
	C5	22 µF, 35 V	UVR1V220MDD1TD	NICHICON
	C6	4.7 µF, 35 V	UVR1V4R7MDD1TD	NICHICON
	C7	0.1 µF, 35 V	GRM21BR71H104JA01L	MURATA
	C8, C11, C13	47 pF, 50 V	GQM2195C1H470JB01D	MURATA
	CIN1, CIN2, CIN3, CIN4	2200 pF, X1:760 Vac, Y1:500 Vac	DE1E3RB222MJ4BR01F	MURATA
	CN1	2200 pr, X1.700 vac, 11.500 vac	691250910003	WURTH ELECTRONIK
Connector	CN1 CN2		691250610003	WURTH ELECTRONIK
	CN2 CN3			WURTH ELECTRONIK
		470 VE 25 V	69110171002	
Capacitor	Cout1, Cout2	470 μF, 35 V	LER471M1VG16VR6	HERMEI Corp., LTD
	Cout3	220 µF, 35 V	UPS1V221MPD	NICHICON
	Cout4	1 µF, 50 V	UMK212B7105KG-T	TAIYO YUDEN
	Csnubber1	2200 pF, 2 kV	202S41W222KV4E.	JOHANSON DIELECTRICS INC
	CY1, CY2, CY3	2200 pF, X1:760 Vac, Y1:500 Vac	DE1E3RB222MJ4BR01F	MURATA
Diode	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D20, D21	1 A, 1 kV	1N4007	
	D13, D14	1 A, 1 kV	UF4007	
	D15, D16	5.5 A, 200 V	1.5KE200A	
	D17	1 A, 40 V	RB160L-40TE25	ROHM
	D18	0.5 A, 200 V	RF05VAM2S	ROHM
	D19	0.1 A, 90 V	1SS355VM	ROHM
	DN1	SBD, 10 A x 2, 200 V	STPS20200CFP	ST-MICRO
	HS1	Heat Sink	MI-217-25	MEICON. Co., LTD.
Heat Sink Inductor	HS2	Heat Sink	MI-301G-25.4	MEICON. Co., LTD.
	L1, L2	1 mH	768772102	WURTH ELECTRONIK
	L3	2.2 µH, 4.3 A	7447462022	WURTH ELECTRONIK
	<u>L3</u>	N.C.	7447402022	WORTH LEECTRONIK
LED	L4 LED1	RED 1 mA	SML-P11UTT86RK	ROHM
FET	Q1	1700 V, 4 A		ROHM
		1700 V, 4 A	SCT2H12NZ	KOHM
Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R13, R14	470 kΩ	MCR18ERTF4703	ROHM
	R11, R12	1 MΩ	KTR18EZPF1004	ROHM
	R15	33 kΩ	MCR10ERTF3302	ROHM
	R16	10 Ω	MCR10ERTF10R0	ROHM
	R17	150 Ω	MCR10EZPF1500	ROHM
	R18, R28	10 kΩ	MCR10ERTF1002	ROHM
	R19	1.5 Ω	ERX2SJ1R5	PANASONIC
	R20	150 kΩ	MCR10ERTF1503	ROHM
	R21	20 kΩ	MCR10ERTF2002	ROHM
	R22, R24, R32	1 kΩ	MCR10ERTF1001	ROHM
	R23	82 Ω	MCR100JZHF82R0	ROHM
	R25	82 kΩ	MCR10ERTF8202	ROHM
	R26	4.7 kΩ	MCR10ERTF4701	ROHM
	R27	8.2 kΩ	MCR10ERTF8201	ROHM
	R27 R29	N.C.	PICKIULKII 0201	-
	R29 R30	30 kΩ	MCR03ERTF3002	ROHM
	D24		MCR100JZHF10R0	ROHM
	R31	<u>10 Ω</u>		
	Rsnubber1	200 kΩ	RSF3WS-200KRJT	MAX-QUALITY Co., LTD
	Rsnubber1 RT1, RT2, RT3	200 kΩ 5.1 Ω	FKN2W5R1J	MAX-QUALITY Co., LTD
	Rsnubber1 RT1, RT2, RT3 RVCC1	200 kΩ 5.1 Ω 11 Ω	FKN2W5R1J MCR10ERTF11R0	MAX-QUALITY Co., LTD ROHM
Trans	Rsnubber1 RT1, RT2, RT3 RVCC1 T1	200 kΩ 5.1 Ω	FKN2W5R1J MCR10ERTF11R0 GC-FED30-172K	MAX-QUALITY Co., LTD ROHM G-CHAN Co., LTD
	Rsnubber1 RT1, RT2, RT3 RVCC1	200 kΩ 5.1 Ω 11 Ω	FKN2W5R1J MCR10ERTF11R0	MAX-QUALITY Co., LTD ROHM
IC	Rsnubber1 RT1, RT2, RT3 RVCC1 T1	200 kΩ 5.1 Ω 11 Ω	FKN2W5R1J MCR10ERTF11R0 GC-FED30-172K	MAX-QUALITY Co., LTD ROHM G-CHAN Co., LTD
Trans IC PhotoCoupler IC	Rsnubber1   RT1, RT2, RT3   RVCC1   T1   U1	200 kΩ 5.1 Ω 11 Ω	FKN2W5R1J MCR10ERTF11R0 GC-FED30-172K BD7682FJ-LB	MAX-QUALITY Co., LTD ROHM G-CHAN Co., LTD ROHM

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