

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Packaging	Typical Dimension	Not Mount
1	CN1	1	—	XW4A-03C1-H1	Omron	Terminal, 250V,12A	—	—	
2	CN2,CN3	2	—	OP-1100	Osada	Terminal, 1000V, 135A	—	—	
3	CN4	1	—	DF1B-5P-2.5DSA	HIROSE	Pin header	—	—	
4	C1,C2,C4,C5,C7,C8	6	22μF			Metal Terminal Type Ceramic,100V,±20%	—	6.1 x 5.1	
5	C3,C6,C9	3	1μF			Ceramic, 100V, ±10%	2012	2.0 x 1.25 (0805)	
6	C11,C12,C13,C21,C32,C34,C42,C46,C47,C48,C58,C61,C62,C66,C67	15	1μF			Ceramic, 50V, ±10%	2012	2.0 x 1.25 (0805)	
7	C14	1	2.2nF	ECWH20222JV	Panasonic	Metallized PP Film Capacitor, 2kVdc, ±5%	—	—	
8	C22,C23	2	100nF			Ceramic, 100V, ±10%	2012	2.0 x 1.25 (0805)	
9	C24,C25	2	1nF			Ceramic, 50V, ±5%	1005	1.0 x 0.5 (0402)	
10	C26	1	10nF			Ceramic, 50V, ±10%	1005	1.0 x 0.5 (0402)	
11	C27,C65	2	2.2nF			Ceramic, 50V, ±5%	1608	1.6 x 0.8 (0603)	
12	C28,C31,C33	3	47pF			Ceramic, 50V, ±5%	1005	1.0 x 0.5 (0402)	
13	C29	1	100nF			Ceramic, 50V, ±10%	1005	1.0 x 0.5 (0402)	
14	C41,C56,C57	3	22μF			Ceramic, 25V, ±10%	3225	3.2 x 2.5 (1210)	
15	C44	1	10μF	GCM32ER71E106K	MURATA	Ceramic, 25V, ±10%	3225	3.2 x 2.5 (1210)	
16	C52,C53,C54,C55	4	470μF			Ceramic, 4V, ±20%	4532	4.5 x 3.2 (1812)	
17	C63	1	150pF			Ceramic, 50V, ±5%	1005	1.0 x 0.5 (0402)	
18	C64	1	6.8nF			Ceramic, 50V, ±5%	1608	1.6 x 0.8 (0603)	
19	D3,D4	2	—	TBAT54S	TOSHIBA	Schottky Barrier Diode	SOT23	2.9 x 2.4	
20	D5,D6,D7,D9,D10	5	—	BAS316	TOSHIBA	Switching Diode	USC	2.5 x 1.25	
21	D8,D11	2	—	DZ2J110M0L	Panasonic	Zener Diode	SC-90A	1.25 x 2.5	
22	FB1	1	—	BLM18PG221SN1	MURATA	Ferrite Beads,1.4A	1608	1.6 x 0.8 (0603)	
23	IC1	1	—	LM5035MH/nopb	Texas Instruments	PWM Controller	TSSOP	6.5 x 4.4	
24	IC2,IC3	2	—	TLP2767	TOSHIBA	Photocoupler	SO6L	3.84 x 10.0	
25	IC4	1	—	TLP785(GR)	TOSHIBA	Photocoupler	DIP4	4.6 x 7.62	
26	IC5	1	—	UCC27523	Texas Instruments	Gate-Driver(Dual,Inverting)	SON	3.0 x 3.0	
27	IC6	1	—	NJM2831F-05	NJR	Voltage Regulator	SOT-23-5	2.9 x 2.8	
28	IC7	1	—	ADA4805-2ARMZ	Analog Devices	Operational amplifier	MSOP-8	4.9 x 3.0	
29	IC8	1	—	ADR280ARTZ	Analog Devices	Voltage Reference	SOT-23-3	2.9 x 2.4	
30	L1	1	4.7μH	IHLP6767GZER4R7M01	Vishay	25A	6767	17.15 x 17.15 (6767)	
31	L2,L3	2	1μH	IHTH1125KZEB1R0M5A	Vishay	65A	—	φ28.6	
32	Q1,Q2	2	—	TPN1200APL	TOSHIBA	Power MOS FET	TSOP Advance	3.3 x 3.3	
33	Q3,Q4	2	—	2SC5886A	TOSHIBA	Power Transistor	New PW-Mold	6.5 x 9.5	
34	Q5,Q6,Q7,Q8	4	—	TPHR6503PL	TOSHIBA	Power MOS FET	SOP Advance	5.0 x 6.0	
35	R1	1	10Ω	MOS2CT52A100J	KOA	2W,±5%	—	—	
36	R2,R3	2	47kΩ			400mW,±5%	2012	2.0 x 1.2 (0805)	
37	R4,R7	2	0Ω			0.125W	1608	1.6 x 0.8 (0603)	
38	R11,R43	2	2.2kΩ			400mW,±5%	2012	2.0 x 1.2 (0805)	
39	R21,R22,R32	3	100Ω			400mW,±5%	2012	2.0 x 1.2 (0805)	
40	R23	1	75kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
41	R24,R26	2	100kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
42	R25	1	3.9kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
43	R27,R64,R65	3	2kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
44	R28,R29,R61	3	20kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
45	R30,R31	2	1kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
46	R33	1	2.2Ω			100mW,±1%	1608	1.6 x 0.8 (0603)	
47	R36,R37,R38,R39	4	470Ω			100mW,±1%	1608	1.6 x 0.8 (0603)	
48	R44,R45,R46,R47	4	10Ω			400mW,±5%	2012	2.0 x 1.2 (0805)	
49	R52,R53	2	22Ω			100mW,±1%	1608	1.6 x 0.8 (0603)	
50	R54,R55,R56,R57,R59,R62,R63	7	22kΩ			100mW,±1%	1608	1.6 x 0.8 (0603)	
51	R58	1	560Ω			100mW,±1%	1608	1.6 x 0.8 (0603)	
52	T1	1	—	PC40EER28	TDK	Ferrite core (EER28.5, 12T:2T:1T:1T:2T)	—	11.4 x 28.6	
53	T2	1	—	53100C	MURATA	Current Trans(10Amax1A:1V@100Ω)	—	8.3 x 7.2	
901	C16,C51	2	2.2μF	ECQE2225KB	Panasonic	Metallized Polyester Capacitor,250Vdc,±10%	—	—	Not Mount
902	D1,D2	2	—	TBAT54S	TOSHIBA	Schottky Barrier Diode	SOT23	2.9 x 2.4	Not Mount
903	J1	1	—	FFC-2AMEP1	HONDA	Connector	—	—	Not Mount
904	R5,R6,R8,R9	4	47Ω			100mW,±1%	1608	1.6 x 0.8 (0603)	Not Mount
905	R12,R48	2	100Ω			2W,±5%	—	—	Not Mount