

Designator	TYPE NAME	NM	Quantity	VALUE	RATINGS	MAKER	PARTS INFORMATION	MOUNTING	SIZE
BD100, BD101	GBJ1506	M	2		600V/15A	Diodes Incorporated	Diode, Bridge	INS	GBJ
C1, C2, C3	ECQ-UAAF224TA	M	3	0.22uF	AC275V	Panasonic	CAP, FILM (Class X2)	INS	17.5x7.5x14.5
C5, C6, C7, C8	VJ2220Y472KXUSTX1	M	4	4700pF	250Vac	Vishay	CAP, CHIP 5650M	SMD	5750
C9	C1608X7R1H103K080AA	M	1	0.01uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C10, C11	CD45-E2GA102M-NKA	M	2	1000pF	X1, Y1	TDK			
C100, C113	GRM31C7U3A102JW32	NM	2	1000pF	1000V	MURATA	CAP, CHIP 3216	SMD	3216
C104, C105	ECW-FE2W105K	M	2	1uF	450V	Panasonic	CAP, FILM	INS	17.5x7x13
C106, C107, C108	450BXW100MEFR18X35	M	3	100uF	450V	Rubycon	CAP, ELECT	INS	18x35
C109, C115	GRM31A5C3A151JW01D	M	2	150pF	1000V	MURATA	CAP, CHIP 3216	SMD	3216
C117	CGA3E2X7R1H153M080AA	M	1	0.015uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C118, C119, C121, C123, C234, C281, C284, C330, C331, C332	CGA3E2X7R1H104K080AA	M	10	0.1uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C120, C320	25ZL47MEFCT15X11	M	2	47uF	25V	Rubycon	CAP, ELECT	INS	5.0x12.5
C122, C288, C289	CGA3E3X5R1H105K080AB	NM	3	1uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C200, C207	C1608C0G2A102J080AA	M	2	1000pF	100V	TDK	CAP, CHIP 1608	SMD	1608
C201, C202, C203, C204	25ZLJ390M8X16	M	4	390uF	25V	Rubycon	CAP, ELECT	INS	8x17.5
C205	25ZL100MEFCT16.3X11	M	1	100uF	25V	Rubycon	CAP, ELECT	INS	6.3x12.5
C206	GCM21BR71H105KA03L	M	1	1uF	50V	MURATA	CAP, CHIP 2012	SMD	2012
C208, C227, C302, C305, C307, C308	CGA3E3X5R1H105K080AB	M	6	1uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C209, C228	CGA3E1X7S1C225K080AC	M	2	2.2uF	16V	TDK	CAP, CHIP 1608	SMD	1608
C210, C217, C251, C252	GRM31A5C3A221JW01	M	4	220pF	1000V	MURATA	CAP, CHIP 3216	SMD	3216
C211	CGA9P4X7T2W105K250KA	M	1	1uF	450V	TDK	CAP, CHIP 5750	SMD	5750
C216	C2012X7S2A105K125AE	M	1	1uF	100V	TDK	CAP, CHIP 2012	SMD	2012
C218, C226	C1608C0G2A101J080AA	M	2	100pF	100V	TDK	CAP, CHIP 1608	SMD	1608
C219, C220, C221, C222	100ZLJ390M16X25	M	4	390uF	100V	Rubycon	CAP, ELECT	INS	16x25
C223	100ZLJ100M10X20	M	1	100uF	100V	Rubycon	CAP, ELECT	INS	10x20
C224, C255	GRM31B5C2J821JW01L	M	2	820pF	630V	MURATA	CAP, CHIP 3216	SMD	3216
C229, C230, C253, C254	ECW-HA3C223J	M	4	0.022uF	1600V	Panasonic	CAP, FILM	INS	20.6x9.1x15.0
C231	CD45-E2GA102M-NKA	M	1	1000pF	440V	TDK	CAP, LEAD	TH	7.0x11.0
C232, C250	GCM31CR71H225KA55L	M	2	2.2uF	50V	MURATA	CAP, CHIP 3216	SMD	3216
C233, C256, C321	C1608C0G1H101J080AA	M	3	100pF	50V	TDK	CAP, CHIP 1608	SMD	1608
C235, C236, C237, C238	C1608C0G1H680F080AA	NM	4	68pF	50V	TDK	CAP, CHIP 1608	SMD	1608
C240, C241, C285, C287, C294, C306	CGA3E2X7R1H104K080AA	NM	6	0.1uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C242, C243	35PK100MEFC6.3X11	NM	2	100uF	35V	Rubycon	CAP, ELECT	INS	6.3x11
C257	CK45-B3FD471KYGNA	NM	1	470pF	3kV	TDK	CAP, LEAD	INS	7.0x7.5
C280	35PK100MEFC6.3X11	M	1	100uF	35V	Rubycon	CAP, ELECT	INS	6.3x11
C286	CGA3E1X7S1C225K080AC	NM	1	2.2uF	16V	TDK	CAP, CHIP 1608	SMD	1608
C290, C291, C292	GRM188B31A106KE69D	NM	3	10uF	10V	MURATA	CAP, CHIP 1608	SMD	1608
C293	GCM31CR71H225KA55L	NM	1	2.2uF	50V	MURATA	CAP, CHIP 3216	SMD	3216
C300, C303, C304	GRM188B31A106KE69D	M	3	10uF	10V	MURATA	CAP, CHIP 1608	SMD	1608
C333, C334	C1608X7R1H224K080AE	M	2	0.22uF	50V	TDK	CAP, CHIP 1608	SMD	1608
C335, C336	CGA3E3X7R1H474K080AB	M	2	0.47uF	50V	TDK	CAP, CHIP 1608	SMD	1608
CN1, CN2, CN3	OT-047-M3	M	3	M3	20A	OSADA	Terminal	INS	
CN100	FSS-41057-09	M	1	9P	3A	HIROSUGIKEIKI	Connector, 2.54mm, Female,	INS	straight
CN200, CN201, CN202, CN203	OT-047-M4	M	4	M4	20A	OSADA	Terminal	INS	
CN210	XG4C-1431	NM	1	14P	AC300V/3A	OMRON	Connector, 2.54mm	INS	
CN211	PH-1x03SG	NM	1	3P	500V/3A	Useconn electronics	Connector, 2.54mm, Pinheader, straight	INS	
CN212	FFC-4BMEP1	NM	1	4P	300V/3A	Honda Tsushin Kogyo	Connector, 2.54mm, Pinheader, straight	INS	straight
CN300	XG4C-1431	M	1	14P	AC300V/3A	OMRON	Connector, 2.54mm	INS	
CN301	FFC-4BMEP1	M	1	4P	300V/3A	Honda Tsushin Kogyo	Connector, 2.54mm, Pinheader, straight	INS	straight
CT201	CT1903RF	NM	1	200:1	15A	KAMI Electronics	CT	INS	21x18x20
D1	RB168MM-60TF	M	1		60V/1A	ROHM	SBD	SMD	PMDU
D100	S3V60	M	1	VF=1.05V	600V/3.5A	Shindengen	Diode	INS	4.4Φ、1.4Φ
D101, D103	SDURF1060CT	M	2		600V/10A	SMC Diode Solutions	Diode	INS	TO-220FN
D102, D104, D204, D210, D220, D221	RB550VM-30FH	M	6		30V/0.5A	ROHM	SBD	SMD	UMD2
D105, D106, D107, D108, D109, D110, D111, D114, D214, D215, D222, D223, D224, D302,	1SS355VM	M	16		90V/0.1A	ROHM	Diode	SMD	UMD2
D112, D225, D226, D227, D230, D231	1SS355VM	NM	6		90V/0.1A	ROHM	Diode	SMD	UMD2
D115	RB560VM-40TE-17	NM	1		40V/0.5A	ROHM	SBD	SMD	UMD2
D200, D201, D202	RB088T-60NZC9	NM	3		60V/10A	ROHM	SBD	INS	TO-220FN
D209, D211, D212	RB088T150NZ	NM	3	VF=0.78V	150V/10A	ROHM	SBD	INS	TO-220FN
F1, F2	0232010.MXP	NM	2	10A	AC250V	Littelfuse Inc.	FUSE	INS	
F200	01530008Z	M	1	15A	DC32V	Littelfuse	FUSE HOLDER	INS	17.3x7.6x12.9
F201	0217015.MXP	NM	1	15A	250VAC	Littelfuse Inc.	FUSE	INS	φ 5.2x20
F203	0297015.L	NM	1	15A	DC32V	Littelfuse Inc.	FUSE, DC	INS	
FB100, FB101	BLM41PG600SH1L	M	2	60	6A	MURATA	FB, CHIP 4516	SMD	4516
FB201	BLM18PG471SN1	NM	1	470	1.0A	MURATA	FB, CHIP 1608	SMD	1608
FB300	BLM18PG471SN1	M	1	470	1.0A	MURATA	FB, CHIP 1608	SMD	1608
FC1, FC2, FC3, FC4, FC201, FC202	01110506Z	M	6	10A	250V	Littelfuse	FUSE HOLDER	INS	
JP102, JP201	FFC-2AMEP1	M	2	2P	300V/3A	Honda Tsushin Kogyo	Connector, 2.54mm, Pinheader, straight	INS	

Designator	TYPE NAME	NM	Quantity	VALUE	RATINGS	MAKER	PARTS INFORMATION	MOUNTING	SIZE
L1, L2	SC-07-50J	M	2	7mH	7.3A	KEMET	Choke Coil, Common Mode	INS	34x24x33
PC200, PC201, PC202	PS2561DL1-1Y-A	M	3	CTR=50~400		Renesas	Photo Coupler	INS	PS2561DL-1
PC203, PC204	RV1S9060ACCSP	NM	2	Ifhl=2.2mA	5.5V	Renesas	Photo Coupler	SMD	SO6
Q1	2SC2712-BL	M	1		50V/0.15A	TOSHIBA	NPN Transistor	SMD	SOT-23-3
Q100, Q101	IPA60R160P7	M	2		600V/20A	INFINEON	Nch Power MOSFET	INS	TO-220-3 Full Pack
Q200, Q202	STF100N10F7	M	2		100V/45A	STMicro	Nch Power MOSFET	INS	TO-220FP
Q201, Q203, Q210, Q211	IPA60R280CFD7	M	4		650V/6A	INFINEON	Nch Power MOSFET	INS	TO-220-3 Full Pack
Q204, Q205	RCX450N20	M	2		200V/45A	ROHM	Nch Power MOSFET	INS	TO-220FM
R7, R104, R107, R304, R305, R312, R313, R314, R316, R327, R329, R330	RK73H1JTTD1003F	M	12	100K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R8	RK73H1JTTD2202F	M	1	22K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R100, R119	WK73R3ATTE470J	NM	2	47	2W/200V	KOA	RES, CHIP	SMD	3A (1225)
R101, R106	RK73B2BTDD472J	M	2	4.7k	0.25W	KOA	RES, CHIP 3216	SMD	3216
R102, R105, R108	RK73H2ATTD2204F	M	3	2.2M	0.25W	KOA	RES, CHIP 2012	SMD	2012
R103	RK73H1JTTD1004F	M	1	1M	0.1W	KOA	RES, CHIP 1608	SMD	1608
R109, R110, R111, R112	MCR18EZPJ475	M	4	4.7M	0.25W	ROHM	RES, CHIP 3216	SMD	3216
R113, R122	RK73B2BTDD100J	M	2	10	0.25W	KOA	RES, CHIP 3216	SMD	3216
R114, R123	ESR18EZPJ2R2	M	2	2.2	0.5W	ROHM	RES, CHIP 3216	SMD	3216
R115, R120	MCR18EZPJ224	M	2	220k	0.25W	ROHM	RES, CHIP 3216	SMD	3216
R116, R124	RK73B2BTDD4R7J	M	2	4.7	0.25W	KOA	RES, CHIP 3216	SMD	3216
R117, R125	RK73B2BTDD103J	M	2	10k	0.25W	KOA	RES, CHIP 3216	SMD	3216
R118, R126	CRM2512-FX-R200ELF	M	2	200m	2W	BOURNS	RES, SHUNT	SMD	2512
R121	RK73H1JTTD5602F	M	1	56K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R127, R128	NKN3WSJT-73-0R04	M	2	40mΩ	3W	YAGEO	RES, LEAD	AX	5.3x15.5
R129	RK73B2BTDD472J	NM	1	4.7k	0.25W	KOA	RES, CHIP 3216	SMD	3216
R130	RK73H1JTTD5103F	NM	1	510K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R131	RK73H1JTTD9100F	NM	1	910	0.1W	KOA	RES, CHIP 1608	SMD	1608
R132	RK73H1JTTD1802F	NM	1	18K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R133, R249, R263, R276, R277, R278, R279, R281, R285, R286, R298, R299, R335, R337	RK73Z1JTTD	NM	14	0	0.1W	KOA	RES, CHIP 1608	SMD	1608
R140, R141, R142	RK73Z2BTDD	M	3	0		KOA	RES, CHIP 3216	SMD	3216
R143, R144, R145	RK73B2BTDD623J	NM	3	62k	0.25W	KOA	RES, CHIP 3216	SMD	3216
R150, R151	CRM2512-FX-R200ELF	NM	2	200m	2W	BOURNS	RES, SHUNT	SMD	2512
R200, R205, R214, R221	RK73B2BTDD101J	M	4	100	0.25W	KOA	RES, CHIP 3216	SMD	3216
R201, R208, R209, R215, R217, R224, R233, R253, R256, R284, R303	RK73H1JTTD1002F	M	11	10K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R202, R212, R218, R226	RK73H1JTTD4R70F	M	4	4.7	0.1W	KOA	RES, CHIP 1608	SMD	1608
R203, R219	RK73H1JTTD10R0F	M	2	10	0.1W	KOA	RES, CHIP 1608	SMD	1608
R204, R211, R220, R223, R225, R257, R262, R301, R302	RK73H1JTTD1001F	M	9	1K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R206, R222	RK73H1JTTD1000F	M	2	100	0.1W	KOA	RES, CHIP 1608	SMD	1608
R207, R213, R251, R254	RK73B2BTDD680J	M	4	68	0.25W	KOA	RES, CHIP 3216	SMD	3216
R210, R216, R252, R255	RK73B2BTDD220J	M	4	22	0.25W	KOA	RES, CHIP 3216	SMD	3216
R227	MCR10EZPJ151	M	1	150	0.125W	ROHM	RES, CHIP 2012	SMD	2012
R228, R230	RK73H1JTTD5601F	M	2	5.6K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R229	RK73H1JTTD2201F	M	1	2.2K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R231, R250	MCR10EZPJ2R2	M	2	2.2	0.125W	ROHM	RES, CHIP 2012	SMD	2012
R232, R283	RK73H1JTTD1201F	M	2	1.2K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R234, R242	RK73H1JTTD2401F	M	2	2.4K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R235	RK73H1JTTD2700F	M	1	270	0.1W	KOA	RES, CHIP 1608	SMD	1608
R236	RK73H1JTTD2402F	M	1	24K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R237	RK73H1JTTD2702F	M	1	27K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R238, R260	RK73H1JTTD2200F	M	2	220	0.1W	KOA	RES, CHIP 1608	SMD	1608
R240, R241, R245, R246, R280, R325, R331, R334, R243	RK73Z1JTTD	M	9	0	0.1W	KOA	RES, CHIP 1608	SMD	1608
R243	RK73H1JTTD3000F	M	1	300Ω	0.1W	KOA	RES, CHIP 1608	SMD	1608
R244, R259	RK73H1JTTD3301F	M	2	3.3K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R247, R248, R271, R274, R275, R287, R289, R294	RK73H1JTTD1001F	NM	8	1K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R258	MCR10EZPJ510	M	1	51	0.125W	ROHM	RES, CHIP 2012	SMD	2012
R261	MCR100JZHJ000	M	1	0	0.8W	ROHM	RES, CHIP 6432	SMD	6432
R270, R288	RK73H1JTTD1002F	NM	2	10K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R272, R319	RK73H1JTTD1000F	NM	2	100	0.1W	KOA	RES, CHIP 1608	SMD	1608
R273, R290, R291, R295, R296	RK73H1JTTD1003F	NM	5	100K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R282	RK73H1JTTD3901F	M	1	3.9K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R292	RK73H1JTTD4702F	NM	1	47K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R293	RK73H1JTTD4701F	NM	1	4.7K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R297	MCR10EZPJ2R2	NM	1	2.2	0.125W	ROHM	RES, CHIP 2012	SMD	2012
R328	RK73H1JTTD4702F	M	1	47K	0.1W	KOA	RES, CHIP 1608	SMD	1608
R340, R341	RK73H1JTTD9101F	M	2	9.1k	0.1W	KOA	RES, CHIP 1608	SMD	1608
R342	RK73H1JTTD20R0F	NM	1	20	0.1W	KOA	RES, CHIP 1608	SMD	1608
R343, R344	RK73H1JTTD20R0F	M	2	20	0.1W	KOA	RES, CHIP 1608	SMD	1608
RT1	10D2-18	M	1	10Ω	6A	Semitec	Power Thermistor	INS	19.5x8
RY1			1						
SW201	SKHHLQA010	NM	1		12V/50mA	Alps Alpine	SW, TACT	INS	
SW300, SW301	SKHHLQA010	M	2		12V/50mA	Alps Alpine	SW, TACT	INS	

Designator	TYPE NAME	NM	Quantity	VALUE	RATINGS	MAKER	PARTS INFORMATION	MOUNTING	SIZE
T100, T101	ST-222	M	2			ADP	Transformer	INS	PQ26/25Z-12
T200	ST-223	M	1			ADP	Transformer	INS	PQ26/25Z-12
T201	ST-220	M	1			ADP	Transformer	INS	PQ40/40Z-12
T202, T203	PH9572.111ANLT	M	2	1:1:1		Pulse Electronics	CT	SMD	10.2x7.5
T204	P0584ANL	NM	1	1:1:1		Pulse Electronics	Transformer	INS	20.57x12.19x19.05
T205	ST-223	NM	1			ADP	Transformer	INS	PQ26/25Z-12
T206	ST-220	NM	1			ADP	Transformer	INS	PQ40/40Z-12
TP100, TP101, TP102, TP103, TP104, TP105, TP106, TP107, TP108, TP200, TP201, TP202, TP203, TP204, TP206, TP208, TP209, TP210, TP211, TP212, TP220, TP221, TP222, TP223, TP224, TP300, TP302, TP303, TP304, TP305, TP306, TP307, TP308, TP309, TP311, TP312, TP320, TP321, TP322, TP323, TP324, TP325,	ST-4-2	M	43			MAC8	Test Pin	INS	ϕ 1.0
TP230, TP231, TP232, TP233	ST-4-2	NM	4			MAC8	Test Pin	INS	ϕ 1.0
TP327, TP328, TP329, TP330, TP331, TP332, TP333, TP334, TP335	HK-4-T	M	9			MAC8	Test Pin	SMD	1.2x1.2x1.0
U100	ISL28113	NM	1	5.5V		Renesas	IC, OPAMP	SMD	SOT23-5
U200, U201	UCC24624DT	M	2	4.25V-26V	1.5A,4A	Texas Instruments	MOSFET Driver IC, Synchronous Rectification	SMD	SOIC-8
U202, U203	TL431CDBZR	M	2	2.495V	37V	Texas Instruments	Shunt Regulator	SMD	SOT-23-3
U204	RT9058-50GV	NM	1		5V/0.1A	Richtek USA Inc.	IC, LDO	SMD	SOT-23-3
U205	R7F101G6GxSP	NM	1			Renesas	MPU, RL78/G24	SMD	20-LSSOP
U206	NFM31KC223R2A3L	NM	1	0.022uF	100V/10A	MURATA	EMI Filter	SMD	3216
U207	UCC27424D	NM	1		4V-15V	Texas Instruments	Gate Driver IC	SMD	MSOP8
U208	BRM-2508	NM	1	TTL,CMOS	2.7V-5.5V	American Bright	IR Receiver Module	INS	
U300	NFM31KC223R2A3L	M	1	0.022uF	100V/10A	MURATA	EMI Filter	SMD	3216
U301	R7F101GFGxFP	M	1			Renesas	MCU, RL78/G24	SMD	44-LQFP
U302, U303, U307	UCC27424D	M	3		4V-15V	Texas Instruments	Gate Driver IC	SMD	MSOP8
U304	BRM-2508	M	1	TTL,CMOS	2.7V-5.5V	American Bright	IR Receiver Module	INS	
Z1	V20H320AUTO	M	1	510V	AC320V	Littelfuse	VARISTOR, LEAD (Straight leads)	INS	20mm
ZD100, ZD101	KDZVTR24B	M	2	24V	1W	ROHM	Diode, Zener	SMD	PMDU
ZD222	KDZVTR13B	M	1	13V	1W	ROHM	Diode, Zener	SMD	PMDU