

Main board Description	Manufacturer Part Number	Manufacturer	Qty.	Designator
Schottky Diode 2A 100V, SMA	MBRA2H100T3G	ON Semiconductor	10	D1, D2, D5, D6, D10, D25, D302, D303, D304, D305,
Rectifier Diode 50A 1000V, SMA	NRVUS2MA	ON Semiconductor	3	D3,D4,D8,
Schottky Diode 3A 40V, DO-214AB	SS34	ON Semiconductor	1	D14,
Schottky Diode 1A 30V, SOT-23	BAT54SLT1G	ON Semiconductor	1	D214,
Transient Diode 100A 5V, DO-214AA	SMBJ12CA		2	D7,TVS1,
IGBT 650V,40A, TO-247	FGH40T65SF-F085	ON Semiconductor	3	Q1,Q2,Q3,
MOSFET 20mΩ 100V, DPAK	NVD6824NL	ON Semiconductor	1	Q301,
IC IGBT Driver, SOIC-16 WB	NCV57000	ON Semiconductor	3	Drv-1, Drv-2, Drv-3,
IC Boost Controller, SOIC-8	NCV887104D1R2G	ON Semiconductor	1	IC301,
IC Linear Voltage Regulator, SOT-223	NCV1117ST33T3G	ON Semiconductor	1	U8
IC Operational Amplifier,TSOP-5	NCV20071SN2T1G	ON Semiconductor	4	U1, U3, U4, U6,
IC Linear Voltage Regulator, DPAK	NCV78M15BBDTG	ON Semiconductor	2	U19, U20,
IC Linear Voltage Regulator, SOT-223	NCV1117ST50T3G	ON Semiconductor	1	U22
IC Photo Coupler,SOP4	FOD817D	Any	2	U5, U7,
E-Cap 450V-22uF WCAP-AT1H (13X25mm)	860241478004	WURTH	1	C1,
E-Cap 35V-47uF WCAP-ASLU(6.3X7.7mm)	865090545008	WURTH	4	C4, C5, C374, C375,
MLCC 0805-50V-470nF		Any	4	C6, C32,C33, C34,C35,C376,
E-Cap 25V-10uF AF-CAP-D (6.6X6.6mm)	865060542002	WURTH	2	C7,C8,
MLCC 0603-16V-102M		Any	4	C9,C23, C24, C28,
MLCC 0603-50V-100nF		Any	2	C10,C11,
MLCC 0603-22pF		Any	2	C12,C22,
MLCC 0603-16V-0.1uF		Any	13	C13, C14, C15, C16, C17, C19, C20, C21, C26, C25, C27, C29, C30,
W-Cap 800VDC-2uF DKMJ-P	1GLBH520D800-301	BM-CAP	1	C31
MLCC 0805-50V-10pF		Any	3	C36,C37,C38,
W-Cap 310VAC-0.01uF X2CAP	1X2H310 K310-A73	BM-CAP	2	C39,C40,
MLCC 0603-16V-103M		Any	2	C41,C42,
W-Cap 68nF CAP-HV	890303423005CS	WURTH	3	C43,C44,C45,
MLCC 1210-1000pF		Any	2	C85,C103,
MLCC 1210-2200pF		Any	1	C90,
MLCC 0805-25V-2.2uF		Any	1	C277,
MLCC 0805-50V-100nF		Any	1	C279,
MLCC 0805-10V-470nF		Any	1	C300,
MLCC 2512-50V-1uF		Any	1	C301,
MLCC 0603-50V-1uF		Any	1	C302,
MLCC 0603-50V-0.1uF		Any	4	C303, C309 ,C310, C311,
MLCC 1210-50V-10uF		Any	1	C304,
MLCC 0603-100V-1nF		Any	2	C305, C306,
MLCC 0603-50V-100pF		Any	1	C307,
MLCC 1206-25V-22uF		Any	3	C312, C313, C314,
E-Cap 10V-10uF WCAP-ASLU	865090240001	WURTH	2	C398, C399,
LED 0805 (Green)		Any	3	D11,D12,D13,
DC-005 (5.5*2.1mm)		YI MENG	1	JACK1,
Interface_input_power (7*7mm)	WP-THRBU	WURTH	2	JP1,JP2,
JUMPER (2*3.5mm)		Any	1	JUMP1,

Temperature-sensor (2*3.5mm)		Any	2	NTC1,NTC2,
Terminal_3*3.5mm		Any	1	Ter1,
Terminal_2*3.5mm		Any	1	Ter2,

SMD Inductor 3.3uH-9.5A	74437377033	WURTH	2	L13,L15,
SMD Inductor 1.5uH-5A	74437346015	WURTH	1	L301,
Common Choke 16uH 10A	7448421016	WURTH	1	L14,
MID-Flyback Transformers	30400R-LF1	WURTH	1	T301,
IC RS-232 Line Driver/Receiver		Any	1	U2,
Chip resister 0805 10Kohm-J		Any	10	R1, R2, R3, R9, R10, R11, R21, R22, R25,R311
Chip resister 0805 5.1Kohm-J		Any	6	R4, R8, R12, R17, R26, R36,
Chip resister 1206 100ohm-J		Any	10	R5, R6, R7, R13, R15, R16, R27, R34, R35,R310,
Chip resister 0805 1Kohm-J		Any	8	R19, R23, R28, R29, R53, R54, R55, R56,
Chip resister 2512 1Kohm-J		Any	1	R14,
Chip resister 0603 5.1Kohm-J		Any	4	R18, R24, R31, R33,
Chip resister 0603 51ohm-J		Any	2	R20, R30,
Chip resister 0805 5.6Kohm-J		Any	1	R37,
Chip resister 0805 1.5Kohm-J		Any	1	R39,
Chip resister 0603 1Kohm-J		Any	8	R41, R44, R48, R51, R203, R287, R303, R306,
Chip resister 0603 5.1Kohm-J		Any	4	R42, R43, R49, R50,
Chip resister 0805 100Kohm-J		Any	2	R45, R46,
Chip resister 1206 150Kohm-J		Any	6	R278, R281, R285, R286, R282, R283,
Chip resister 0603 3.3Kohm-J		Any	1	R292,
Chip resister 0603 510ohm-J		Any	1	R301,
Chip resister 0603 4.1Kohm-J		Any	1	R302,
Chip resister 1206 2.2Kohm-J		Any	1	R304,
Chip resister 0603 4.7ohm-J		Any	1	R305,
Chip resister 0603 10Kohm-J		Any	2	R307, R309,
Chip resister1206 0.082ohm-J		Any	1	R308,