



Comment	Description	Designator	Footprint	LibRef	Quantity
TP	BNC Connector	3V3, GREEN, RED, RX, T+, T-, TB1, TB2, TB3, TB4, TB5, TB+, TB-, TC+, TCOM, TP+, TP-/C-, TS1+, TS1-, TS2+, TS2-, TSOV, TX	test-Ø1.5mm	TP	23
B1	Header, 2-Pin	B1	ZB187381-B5	Header 1	1
B2	Header, 2-Pin	B2	ZB187381-B5	Header 1	1
B3	Header, 2-Pin	B3	ZB187381-B5	Header 1	1
B4	Header, 2-Pin	B4	ZB187381-B5	Header 1	1
B5	Header, 2-Pin	B5	ZB187381-B5	Header 1	1
B+	Header, 2-Pin	BATT+	B+/B.7mm	Header 1	1
B-	Header, 2-Pin	BATT-	B-/B.7mm	Header 1	1
0603-50V-103	CAP	C1, C2	SMD-0603-C	CAP	2
0603-50V-104	CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, [NoValue], CAP, [NoValue], CAP, CAP, CAP, CAP	C3, C4, C5, C6, C18, C21, C22, C23, C24, C25, C26, C29, C30, C31, C32, C33, C34, C38, C40, C42, C43, C45, C51	SMD-0603-C	CAP	23
0603-25V-105	CAP	C7, C8, C9, C10, C11, C12, C13, C14, C15, C16	SMD-0603-C	CAP	10
0805-25V-106	CAP	C17, C19	SMD-0805-C	CAP	2
1206-50V-106	CAP	C20	SMD-1206-C	CAP	1
0805-50V-224	CAP	C27, C37	SMD-0805-C	CAP	2
0603-50V-101		C28	SMD-0603-C	Cap	1
0603-50V-10P	CAP	C36	SMD-0603-C	CAP	1
0603-16V-475		C41	SMD-0603-C	Cap	1
0603-50V-221		C46	SMD-0603-C	Cap	1
5S310	Silicon Epitaxial Planar Diodes	D1, D2	DO-214-AA	DIODE-SWITCHING	2
BZT52-C18	Schottky barrier rectifier	D3, D10, D11, D15, D16, D17, D23, D24	SOD-123	DIODE-SCHOTTKY	8
LBAS21HT1G	Silicon Epitaxial Planar Diodes	D4, D5, D6, D7, D8, D9, D13, D14, D21, D22, D27	SOD-323	DIODE-SWITCHING	11
MM3Z-5V1	Schottky barrier rectifier	D12, D18, D19	SOD-323	DIODE-SCHOTTKY	3
LBAS21HT1G(DNP)	Silicon Epitaxial Planar Diodes	D20	SOD-323	DIODE-SWITCHING	1
TVS48V-SOD123(DNP)	TVS	D25	SOD-123	TVS	1
TVS48V-SOD123	TVS	D26	SOD-123	TVS	1
LTP2-AF2-20A065VTM	FUSE/20A	F1, F2	FUSE-S6125-SMD	FUSE	2
SFJ2415		F3	FUSE-4X3	SEFUSE	1
SOV	Jumper Wire	J1	跳点SHT	Jumper	1
Nickel		J2, J3, J4, J5, J6	NZ	Nickel	5
WEJT92RGC-R2G4- BC2ZD		LED1	LED-1206-DUAL	WEJT92RGC-R2G4- BC2ZD	1
LX-A08NO1P4-TC	Header, 8-Pin	P1	LX-A08NO1P4-TC	Header 8	1
JSP	Header, 4-Pin	P2	HDR1X4	Header 4	1
VBA2625	P-Channel MOSFET	Q1	SOIC-8-MOS	PMOS-SOT23	1
LMBT5551LT1G	NPN General Purpose Amplifier	Q2, Q3, Q5, Q12, Q16	SOT-23-3	NPN	5
LBSS84LT1G	P-Channel MOSFET	Q4	SOT-23-3	PMOS-SOT23	1
NCE0102	N-Channel MOSFET	Q6	SOT-23-3	NMOS-SOT23	1
MMBT5401	PNP General Purpose Amplifier	Q7	SOT-23-3	PNP	1
NCEP40T15GU	N-Channel MOSFET	Q8, Q9	SON-8 5X6-GDS	NMOS	2
VB2101K	P-Channel MOSFET	Q11	SOT-23-3	PMOS-SOT23	1
DNP	NPN General Purpose Amplifier	Q13	SOT-23-3	NPN	1
0603-51K-F	Resistor	R1, R2, R3, R8, R18, R97 R50, R51, R53, R61, R90	SMD-0603-R	Res	6
0603-100K-J	Resistor	R4, R6, R16, R17, R46, R50, R51, R53, R61, R90	SMD-0603-R	Res	10
0603-1K-F	Resistor	R5, R19, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R39, R54, R56, R60, R63, R68, R96	SMD-0603-R	Res	25
0805-100R-J	Resistor	R7	SMD-0805-R	Res	1
0603-200K-F	Resistor	R9	SMD-0603-R	Res	1
0603-3.3K-F	Resistor	R10	SMD-0603-R	Res	1
0603-10K-J	Resistor	R11, R12, R20, R40, R52, R65	SMD-0603-R	Res	6
0603-100R-F	Resistor	R13, R14, R42, R43	SMD-0603-R	Res	4
0603-499K-F	Resistor	R15	SMD-0603-R	Res	1
0603-100K-F	Resistor	R21, R57, R62	SMD-0603-R	Res	3
0805-10M-J	Resistor	R38	SMD-0805-R	Res	1
0603-1M-J	Resistor	R41	SMD-0603-R	Res	1
2512-0.001R-F	Resistor	R44	SMD-2512-R	Res	1
0603-0R-J	Resistor	R45	SMD-0603-R	Res	1
0603-4.7K-J	Resistor	R47	SMD-0603-R	Res	1
0603-4.7R-J	Resistor	R48, R49	SMD-0603-R	Res	2
0603-150K-J	Resistor	R55	SMD-0603-R	Res	1
0603-4.7M-J	Resistor	R58	SMD-0603-R	Res	1
DNP(100K)	Resistor	R59	SMD-0603-R	Res	1
0603-10R-J	Resistor	R64	SMD-0603-R	Res	1
0603-10K-F	Resistor	R66, R67	SMD-0603-R	Res	2
0603-3M-F(DNP)	Resistor	R69, R70	SMD-0603-R	Res	2
0603-300K-F(DNP)	Resistor	R71	SMD-0603-R	Res	1
0603-1.5M-J	Resistor	R89	SMD-0603-R	Res	1
0603-300K-J	Resistor	R92	SMD-0603-R	Res	1
0603-2K-F	Resistor	R95	SMD-0603-R	Res	1
Exsense-BT103F3435B- 30L55	NTC	RT1	DIP-1206-RT	Exsense-BT103F3435B- 30L55	1
MSP430G2553		U1	TSSOP-28	MSP430G2553	1
BQ7693003DBTR		U2	TSSOP-30	BQ76930	1
R5640G252AB	IC	U3, U4	MSOP-8	R5434D	2
LM33Z-C3V0	Schottky barrier rectifier	Z1	SOD-323	DIODE-SCHOTTKY	1