

Comment	Description	Designator	Footprint	LibRef	Quantity
4u7 50V 5%	Capacitor, Ceramic, SMD, 4u7, 50V, 5%, X7R, 0603	C1	Cap_Ceramic_0603	4u7 50V 5% X7R 0603	1
470nF 50V 5%	Capacitor, Ceramic, SMD, 470nF, 50V, 5%, X7R, 0603	C2	Cap_Ceramic_0603	470nF 50V 5% X7R 0603	1
100nF 50V 5% X7R 0603	Capacitor, Ceramic, SMD, 100nF, 50V, 5%, X7R, 0603	C3, C4, C5, C6, C7, C8, C9, C10, C12, C19, C29	Cap_Ceramic_0603	100nF 50V 5% X7R 0603	11
4u7	Capacitor, Ceramic, SMD, 4u7, 50V, 5%, X7R, 0603	C11, C17	Cap_Ceramic_0603	4u7 50V 5% X7R 0603	2
22uF 35V	22uF ±20% 35V Ceramic Capacitor XSR 1206 (3216 Metric)	C13, C14	Cap_Ceramic_1206	22uF 35V 20% XSR 1206	2
47uF 16V 1210	Capacitor, Ceramic, SMD, 47uF, 16V, 5%, X7R, 1210	C15, C16	Cap_Ceramic_1210	47uF 16V 10% X7R 1210	2
1uF	Capacitor, Ceramic, SMD, 1uF, 25V, 5%, X7R, 0603	C18	Cap_Ceramic_0603	1uF 25V 5% X7R 0603	1
1uF 25V 5% X7R 0603	Capacitor, Ceramic, SMD, 1uF, 25V, 5%, X7R, 0603	C20, C22, C23, C24, C25, C26, C27, C28	Cap_Ceramic_0603	1uF 25V 5% X7R 0603	8
4u7 50V 5% X7R 0603	Capacitor, Ceramic, SMD, 4u7, 50V, 5%, X7R, 0603	C21	Cap_Ceramic_0603	4u7 50V 5% X7R 0603	1
1N4448WQ-7-F	Diode, SMD, 75V, 5%, 250mA, SOD123	D1	SMA	1N4448WQ-7-F	1
NUP210SL	NUP210SL	D2	NUP210SL	NUP210SL	1
B260A-13-F	Diode, Schottky Barrier Rectifier, 60 V, 2 A, B260A-13-F	D3	SMA	B260A-13-F	1
STPS0530Z	Diode, Schottky Barrier Rectifier, 30 V, 0.5 A, STPS0530Z	D4, D5, D6	SOD123	STPS0530Z	3
LED Red 0603	LED Red 0603	D51, D52	LED RED 0603	LED Red 0603	2
LED Green 0603	LED Green 0603	D53, D54, D59	LED GREEN 0603	LED Green 0603	3
LED Blue 0603	D55, D56	LED BLUE 0603	LED BLUE 0603	2	
LED Orange	D57, D58	LED ORANGE 0603	LED ORANGE 0603	2	
Jumper 2Way Solderable	Jumper 2Way Side Solderable	J1, J2	Jumper_2Way_Solderable	Jumper 2Way Side Solderable	2
IDC 10P 2x5 1.27mm	IDC 10P 2x5 1.27mm	J3	IDC 1.27MM 10P	IDC 10P 2x5 1.27mm	1
52437-2471	0.5 mm Pitch Easy-On(TMD) Type FPC Connector, Right Angle, ZIF, SMT, Bottom Contact, 24 Circuits, -40 to 85 degC, ELV and RoHS Compliant, Tape and Reel	J5	MOLX-52437-2471	52437-2471	1
JST PH 4 Way SMD Header		J6	JST 4P SMD	JST PH 4 Way SMD Header	1
JST PH 3 Way SMD Header		J7, J8, J9	JST 3P SMD	JST PH 3 Way SMD Header	3
JST PH 2 Way SMD Header		J10, J11, J12, J13	JST 2P SMD	JST PH 2 Way SMD Header	4
74404064221	FIXED IND 220uH 660MA 850 MOHM	L1	Inductor_6x6mm	74404064221	1
LQM21FN100M70L		L2	Murata_LQM21FN_70_I PC_C	LQM21FN100M70L	1
Hole M3 Tight Unplated Header 3	M3.2 Hole, No Plating Header, 3-Pin	M1, M2, M3, M4	M3.2 UNPLATED	Hole M3 Tight Unplated Header 3	4
		P1	HDR1X3	Header 3	1
MOSFET N-CH 30V 4A SOT323	N-Channel 30V 4A (Ta) 770mW (Ta) Surface Mount SOT-323	Q1	Diodes_SOT323_0	DMN306SLW-13	1
4k7 5% 0603	Resistor, SMD, 4k7, 0.1W, 5%, 0603	R1, R2, R3, R6	Res_ThinFilm_0603	4k7 5% 0603	4
2M2 1%	Resistor, SMD, 2M2, 0.125W, 1%, 0603	R4, R5	Res_ThinFilm_0603	2M2 1% 0603	2
150k 5% 0603	Resistor, SMD, 150k, 0.1W, 5%, 0603	R7	Res_ThinFilm_0603	150k 5% 0603	1
390k 5%	Resistor, SMD, 390k, 0.1W, 5%, 0603	R8	Res_ThinFilm_0603	390k 5% 0603	1
240k 5%	Resistor, SMD, 240k, 0.1W, 5%, 0603	R9	Res_ThinFilm_0603	240k 5% 0603	1
1k 5% 0603	Resistor, SMD, 1k, 0.1W, 5%, 0603	R10	Res_ThinFilm_0603	1k 5% 0603	1
330R	Resistor, SMD, 330R, 0.1W, 5%, 0603	R11, R12, R14, R15	Res_ThinFilm_0603	330R 5% 0603	4
120R 1% 1210	Resistor, SMD, 120R, 0.25W, 1%, 1210	R13	Res_ThinFilm_1210	120R 1% 1210	1
10k 1% 0603	Resistor, SMD, 20k, 0.1W, 5%, 0603, Resistor, SMD, 10k, 0.1W, 1%, 0603	R16, R30	Res_ThinFilm_0603	20k 1% 0603, 10k 1% 0603	2
4k7	Resistor, SMD, 4k7, 0.1W, 5%, 0603	R17	Res_ThinFilm_0603	4k7 5% 0603	1
64k9 1%	Resistor, SMD, 64k9, 0.1W, 5%, 0603	R18	Res_ThinFilm_0603	64k9 1% 0603	1
1k	Resistor, SMD, 1k, 0.1W, 5%, 0603	R19	Res_ThinFilm_0603	1k 5% 0603	1
19k6 1%	Resistor, SMD, 19k6, 0.1W, 5%, 0603	R20	Res_ThinFilm_0603	19k6 1% 0603	1
0R47 5% 0603	Resistor, SMD, 0R, 0.1W, 5%, 0603	R31	Res_ThinFilm_0603	0R47 5% 0603_1	1
10k 5% 0603	Resistor, SMD, 10k, 0.1W, 5%, 0603	R32, R33, R34, R35	Res_ThinFilm_0603	10k 5% 0603	4
47219-2001	MicroSD Card Connector, Hinge Type, -40 to 85 degC, 8-Pin SMD, RoHS, Tape and Reel	SD1	47219-2001	47219-2001	1
B3U-1000P	Omron B3U-1000P Ultra Miniature Switch	SW1	BTN B3U-1000P	BTN B3U-1000P	1
MAX17612A	4.5V to 60V, 250mA Current-Limiter with OV, UV, and Reverse Protection	U1	MAX17612A	MAX17612A	1
SN65HVD233	SN65HVD233	U2	SN65HVD233DR	SN65HVD233	1
3	ARM Cortex-M3 32-bit MCU, 1024 KB Flash, 128 KB Internal RAM, 82 I/Os, 100-pin LQFP, -40 to 105 degC, Tray	U3	STM-LQFP100_N	STM32F207VGT7-Custom	1
DS1101CIS-020.0000T	No Description Available	U4	VDPA6_3P2XPS_MCH	DS1101CIS-020.0000T	1
LMR14010ADDCR		U5	Texas_Instruments_DD C006A_IPC_A	LMR14010ADDCR	1