

Comment	Description	Designator	Footprint	LibRef	Quantity	Value	Type	Rating	Inflow	Package
100n	Bipolar ceramic capacitor SMD	C2, C4, C6, C7, C14, C15	CAP 0805/2012	Cap_Multi_SMD_100nF_0805		6 100n	MultiLayer	50V	inflow?	0805
10u	Bipolar ceramic capacitor SMD	C13	CAP 0805/2012	Cap_Multi_SMD_0805		1 10u	MultiLayer	Rating?	inflow?	0805
47p	Bipolar ceramic capacitor SMD	C16, C17	CAP 0805/2012	Cap_Multi_SMD_0805		2 47p	MultiLayer	Rating?	inflow?	0805
4u7	Tantalum Capacitor,TAJ Series-SMD	C3	SMT_C_Tantalum_A	Cap_Tantalum		1 4u7	Tantalum	6.3V	inflow?	SMD-A
10u	Tantalum Capacitor,TAJ Series-SMD	C1	SMT_C_Tantalum_A	Cap_Tantalum		1 10u	Tantalum	6V3	inflow?	Package?
10u	Tantalum Capacitor,TAJ Series-SMD	C5	SMT_C_Tantalum_B	Cap_Tantalum		1 10u	Tantalum	6V3	inflow?	Package?
3x2	Header, dual row, 6 pin	J3	HDR_THT_3x2M_2.54mm_RA	Con_MPH_3x2_V_THT_2.54		1 3x2	Type?	Rating?	7152	Package?
4b	Header, single row, 4 pin	J2	HDR_THT_4M_2.54mm	Con_MPH_4x1_V_THT_2.54		1 4b	Vertical	4x1	7152	Dip
2Pin	Power Connector 2Pin	P1	Phoenix_2PIN_RA_P5.08mm	Con_Power_2		1 2Pin	Type?	Rating?	inflow?	Package?
16P	USB C Female Connector	J1	USBC_SMD_16_USB4110 - Extended	Con_USB_C_16P		1 16P	C	Rating?	inflow?	SMD
TJA1051T-3	High-Speed CAN Transceiver That Provides an Interface Between a CAN Protocol Controller and The Physical Two-Wire CAN Bus.	U1	SO8_narrow_M	IC_Converter_TJA1051T-3		1 TJA1051T-3	CAN-FD	5Mbps/s	inflow?	SOIC-8
STM32G431C8T6	32-Bit microcontroller	U3	LQFP48_N	IC_MCU_STM32G431C8T6		1 STM32G431C8T6	Microcontroller	CORTEX-M4	inflow?	LQFP48
3.3V	Fixed LDO Voltage Regulator 3.3V 300mA SOT-23-5	U2	SOT95P280X130-5N	IC_Reg_TLV74333PDBVR		1 3.3V	LDO	300m	inflow?	SOT-23-5
Value?	2 Line Common Mode Choke Surface Mount 90 Ohms @ 100 MHz 370mA DCR 300mOhm	L1	FIL_DLW31SN9005Q2L_Extended	Ind_EMI_DLW31SN900SQ2L		1 Value?	Type?	Rating?	inflow?	Package?
ECMF02-2AMX6	Common Mode Filter with ESD Protection for USB 2.0 and MIPI D-PHY/MDDI Interface	L2	SON50P150X170XS5-6N	Ind_EMI_ECMF02-2AMX6		1 ECMF02-2AMX6	EMI Filters	2.5R		QFN-6
250m	Short circiut protection	F3	1206_F	Other_Elec_Fuse_SMD		1 250m	Fast	Rating?	0.5A	1206
200m	SMD Resettable Fuses	F1, F2	1206_F	Other_Elec_PFUUSE_SMD		2 200m	Resettable	24V	inflow?	1206
1M	Resistor	R13	RES 0805 (2012X06L)	Res_SMD_0805		1 1M	10%	0.125W	inflow?	0805
4K7	Resistor	R4, R5, R10, R14	RES 0805 (2012X06L)	Res_SMD_0805		4 4K7	10%	0.125W	inflow?	0805
10K	Resistor	R9, R16	RES 0805 (2012X06L)	Res_SMD_0805		2 10K	10%	0.125W	inflow?	0805
22R	Resistor	R1, R2	RES 0805 (2012X06L)	Res_SMD_0805		2 22R	10%	0.125W	inflow?	0805
47K	Resistor	R11, R15	RES 0805 (2012X06L)	Res_SMD_0805		2 47K	10%	0.125W	inflow?	0805
100K	Resistor	R12	RES 0805 (2012X06L)	Res_SMD_0805		1 100K	10%	0.125W	inflow?	0805
120R	Resistor	R3	RES 0805 (2012X06L)	Res_SMD_0805		1 120R	1%	0.125W	inflow?	0805
330R	Resistor	R6, R7, R8	RES 0805 (2012X06L)	Res_SMD_0805		3 330R	10%	0.125W	inflow?	0805
BC817	NPN General purpose Transistor	Q3, Q4	SOT23_N	Semi_BJT_BC817		2 BC817	NPN	Rating?	inflow?	Package?
NPN	NPN General purpose Transistor	Q2	SOT23_N	Semi_BJT_SS8050		1 NPN	Type?	Rating?	5256	Package?
SM712	TVS, ESD PROTECT, 2CH, 400W/17A PP, 7.5VBR, ±8KV ESDmin	D1	SOT23_M	Semi_Diod_TVS_SM712		1 SM712	Type?	Rating?	inflow?	Package?
Green, 3mm	LED	D3	led-3mm	Semi_LED_Green_3		1 Green, 3mm	Type?	Rating?	7145	Package?
Red, 3mm	LED	D4	LED-3mm(RED)	Semi_LED_Red_3		1 Red, 3mm	Type?	Rating?	7142	Package?
Yellow	LED	D2	LED-3mm_Yellow	Semi_LED_Yellow_3		1 Yellow	LED	Rating?	7145	3mm
P-Channel	P-Channel MOSFET	Q1	SOT23_N	Semi_MOSFET_Si2301DS		1 P-Channel	Type?	Rating?	6208	Package?