





Comment	Description	Designator	Footprint	LibRef	Quantity
Cap Semi	Capacitor (Semiconductor SIM Model)	C1, C2, C3, C4, C5, C6, C10, C11, C12, C13, C14, C18, C19	C-1608[0603]	Cap Semi	13
Cap Pol3	Polarized Capacitor (Surface Mount)	C15, C16, C17	C-2012[0805]	Cap Pol3	3
Cap Pol3	Polarized Capacitor (Surface Mount)	C20, C21	C1206	Cap Pol3	2
1N5822	Schottky Diode	D2, D5	DO-214AC	D Schottky	2
Power	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3	LED-0805	LED2	1
STATE	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D7	LED-0805	LED2	1
	Fuse	F1	2012[0805]	Fuse 1	1
MINI-USB	USB 2.0, Right Angle, SMT, A Type, Receptacle, 5 Position, Black	J1	Mini USB 3D	440478-1	1
Inductor	Inductor	L1	L0603	Inductor	1
Inductor	Inductor	L2	GDRH104R	Inductor	1
SWD	Header, 4-Pin	P1	HDR1X4	Header 4	1
DBG_UART	Header, 4-Pin	P2	HDR1X4	Header 4	1
Joystick	Header, 5-Pin	P3	HDR1X5	Header 5	1
SWO	Plug	P4	HDR1X1	Plug	1
Header 20	Header, 20-Pin	P12	HDR1X20-3D	Header 20	1
Header 8	Header, 8-Pin	P13	HDR1X8-3D	Header 8	1
X-Limit	Header, 4-Pin	P25	HDR1X4	Header 4	1
Y-Limit	Header, 4-Pin	P26	HDR1X4	Header 4	1
Z-Limit	Header, 4-Pin	P27	HDR1X4	Header 4	1
TF Card	Header, 10-Pin	P32	MicroSD auto	Header 10	1
8550	PNP Bipolar Transistor	Q1	SOT23B	PNP	1
Res Semi	Semiconductor Resistor	R2, R3, R4, R5, R8, R9, R10, R11, R12, R15, R16, R17, R18, R19, R20, R21, R22	R-1608[0603]	Res Semi	17
10K		RP1, RP2	R0603x4	RPACK4	2
RESET	Switch	SW1	SW-3D	SW-PB	1
STM32F103RCT6	STM32 ARM-based 32-bit MCU High- density	U1	LQFP64_N	STM32F103RBT6	1
REG1117-3.3	800mA and 1A Low Dropout Positive Regulator 2.85V, 3.3V, 5V, and Adjustable	U2	SOT223-3D	REG1117-3.3	1
MP1584		U3	MP1584	MP1584	1
8M	Crystal Oscillator	Y1	Crystal_C	XTAL_C	1