





Comment	Description	Designator	Footprint	LibRef	Quantity
BOOT0		B0	KEY-II	SW-PB	1
RESET		B1	KEY-II	SW-PB	1
10pF	Capacitor	C1, C2	0603P	CAP	2
20pF	Capacitor	C3, C4	0603P	CAP	2
100nF	Capacitor	C5, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C21, C23	0603P	CAP	14
10nF	Capacitor	C6, C7, C26, C27	0603P	Cap	4
10uF	Polarized Capacitor (Radial)	C8, C25	TAN-B	Cap Pol1	2
10uF/16V	Polarized Capacitor (Radial)	C20, C22	TAN-B	Cap Pol1	2
4.7nF	Capacitor	C24	0603P	CAP	1
USB	CONN USB MINI-B Receptacle	CN1	USB/SM0.8-6H5	USB_MINI_B_REC EPTACLE	1
JTAG		CN7	IDC20S	20PIN1	1
HEADER 25X2		CN10, CN11	IDC50	HEADER 25X2	2
HEADER 4X2		CN12, CN14, CN15	IDC10	HEADER 4X2	3
HEADER 6X2		CN13	IDC16	HEADER 6X2	1
ISP	Connector	J1	SIP4	CON4	1
BEAD	Inductor	L1	1206	Inductor	1
3V3	Typical RED, GREEN, YELLOW, AMBER GaAs LED	LD1	SMDLED	LED2	1
red	Typical RED, GREEN, YELLOW, AMBER GaAs LED	LD2	SMDLED	LED2	1
1M	Resistor	R1, R27	0603P	Res1	2
0R		R2, R3, R5, R6, R7, R8, R17, R18	0603P	R	8
10K	Resistor	R4, R12, R16, R28, R29, R30, R31, R32	0603P	res1	8
0	Resistor	R9	0603P	Res1	1
47	Resistor	R10	0603P	Res1	1
680	Resistor	R11, R15	0603P	Res1	2
100K	Resistor	R13, R14	0603P	R, res1	2
22		R23, R24	0603P	RES1	2
1.5K		R25	0603P	RES1	1
3V3		TP1	TP	TP	1
GND		TP2	TP	TP	1
5V		TP3	TP	TP	1
STM32F407ZGT6		U1	TQFP144	STM32F407ZGT6	1
AMS1117-3.3V		U2	AMS1117	VOLTREG1	1
32.768KHz	Crystal	X1	XTAL32	CRYSTAL	1
8MHz	Crystal	X2	XTAL_US	CRYSTAL	1