



	Description	Designator	Footprint	LibRef	Quantity
3.2touch		3.2touch	PCBComponent_1	Component_1	
3.3V	Typical RED GaAs LED	3.3V	D0805	LED	
5A fuse	Fuse	5A fuse	FUSE SOCKET	Fuse 1	
5V	Typical RED GaAs LED	5V	D0805	LED	
12V	Typical RED GaAs LED	12V	D0805	LED	
12V_OUT	Header, 2-Pin	12V_OUT	T-CONNECTOR(F)	Header 2	
Buzzer		B1	POL_BUZZER-12.0	Buzzer	
MOTOR	Header, 2-Pin	BAT	T-CONNECTOR(M)	Header 2	
BC847		BC847	npn	BC847	
BLUETOOTH	Header, 5-Pin	BLUETOOTH	lockedHDR-5	Header 5	
BOOT1	Header, 3-Pin	BOOT1	HDR1X3	Header 3	
Boot0		Boot0	PCBComponent_1	Component_1	
BT_STATE	Header, 3-Pin	BT_STATE	HDR1X3	Header 3	
BUTTON	Single-Pole, Single-Throw Switch	BUTTON	PUSH SWITCH	SW-SPST	
B_LED	Typical RED GaAs LED	B_LED	D0805	LED	
100nF	Capacitor (Semiconductor SIM Model)	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C19, C30, C31, C32, C33, C34, C35, C36, C37, C50, C80	CC2012-0805	Cap Semi	
20pF	Capacitor (Semiconductor	C13, C14	CC2012-0805	Cap Semi	
	SIM Model) Capacitor (Semiconductor				
2u2F	SIM Model)	C15, C16	CC2012-0805	Cap Semi	
10nF	Capacitor (Semiconductor	C17, C22, C24	CC2012-0805	Cap Semi	
	SIM Model)				-
2200uF 6.3V	Polarized Capacitor (Axial)	C18	SV-H	Cap Pol2	<del>                                     </del>
470uF 25V	Polarized Capacitor (Axial)	C20	SV-G	Cap Pol2	-
10uF	Capacitor (Semiconductor SIM Model)	C21, C23	CC2012-0805	Cap Semi	1
i.e	Capacitor (Semiconductor	C3E	CC2012 090F	Can Sami	1
luF	SIM Model)	C25	CC2012-0805	Cap Semi	
CAN2	Header, 4-Pin	CAN1, CAN2	LOCKEDHDR-4	Header 4	
MBR745	Schottky Diode	D9	TO-220AC	D Schottky	
M2679	5A Step-Down Switching	IC1	TO-263(7)	LM2679	
LINK	Mode Voltage Regulator Header, 4-Pin	JLINK	LOCKEDHDR-4	Header 4	<del> </del>
loystick	ricader, 4 rin	Joystick	5D_SWITCH	Joystick	
nductor	Inductor	L1	MSS1260	Inductor	
AN SOCKET	inductor	LAN SOCKET	PCBComponent_1	Component_1	
Small_lcd		ICD		Small_lcd	
ED1	Typical RED GaAs LED	LED1	Lcd_red D0805	LED	+
	800mA Low-Dropout				<del>                                     </del>
.M1117MP-3.3	Linear Regulator	LM1117	MP04A_N	LM1117MP-3.3	
ASER SENSOR1	Header, 4-Pin	LS1	LOCKEDHDR-4	Header 4	
ASER SENSOR2	Header, 4-Pin	LS2	LOCKEDHDR-4	Header 4	
AO3400	N-Channel MOSFET	M2, M3, M4, M5, M6, M7	SO-G3/Z3.3	AO3400	
STM32F407VGT6	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 100-pin LQFP, Industrial Temperature	мси	LQFP100_N	STM32F407VET6	
OV7670		OV7670	PCBComponent_1	Component_1	
P2_PA7	Header, 3-Pin	P2_PA7	LOCKEDHDR-3	Header 3	
P3_PC4	Header, 3-Pin	P3_PC4	LOCKEDHDR-3	Header 3	
P4_PC5	Header, 3-Pin	P4_PC5	LOCKEDHDR-3	Header 3	
P5_PB0	Header, 3-Pin	P5_PB0	LOCKEDHDR-3	Header 3	
P6_PB1	Header, 3-Pin	P6_PB1	LOCKEDHDR-3	Header 3	
P7_PB2	Header, 3-Pin	P7_PB2	LOCKEDHDR-3	Header 3	
)R	Semiconductor Resistor	R0, R00	CR2012-0805	Res Semi	
100k	Semiconductor Resistor	R1, R3, R37, R39, R41,	CR2012-0805	Res Semi	
		R43, R45, R47			
10k	Semiconductor Resistor	R2, R49	CR2012-0805	Res Semi	
lk	Semiconductor Resistor	R4, R14, R18, R32	CR2012-0805	Res Semi	
1k7	Semiconductor Resistor	R5, R9, R34	CR2012-0805	Res Semi	
lk5	Semiconductor Resistor	R8, R35	CR2012-0805	Res Semi	
1.7k	Semiconductor Resistor	R10	CR2012-0805	Res Semi	
170k	Semiconductor Resistor	R11, R15	CR2012-0805	Res Semi	
200k	Semiconductor Resistor	R12, R16	CR2012-0805	Res Semi	
1.5k	Semiconductor Resistor	R13, R17	CR2012-0805	Res Semi	
2.2k	Semiconductor Resistor	R31	CR2012-0805	Res Semi	
510R	Semiconductor Resistor	R33, R50	CR2012-0805	Res Semi	
33R	Semiconductor Resistor	R48	CR2012-0805	Res Semi	
7R	Semiconductor Resistor	R52, R53, R54, R55, R56, R57, R58, R59	CR2012-0805	Res Semi	1
DECET.	Single-Pole, Single-Throw		DISCUSSION CONTRACTOR	CIV CRCT	<del> </del>
RESET	Switch	RESET	PUSH SWITCH	SW-SPST	
1_PE2	Header, 3-Pin	S1_PE2	LOCKEDHDR-3	Header 3	
2_PC10	Header, 3-Pin	S2_PC10	LOCKEDHDR-3	Header 3	
3_PC12	Header, 3-Pin	S3_PC12	LOCKEDHDR-3	Header 3	
4_PD2	Header, 3-Pin	S4_PD2	LOCKEDHDR-3	Header 3	
5_PD3	Header, 3-Pin	S5_PD3	LOCKEDHDR-3	Header 3	
	Header, 3-Pin	S6_PD4	LOCKEDHDR-3	Header 3	
66_PD4	Header, 3-Pin	S7_PD5	LOCKEDHDR-3	Header 3	
	Header, 3-Pin	S8_PD6	LOCKEDHDR-3	Header 3	
57_PD5			SO-8	DJA1050	
57_PD5 58_PD6		TJA1050	50 0		
56_PD4 57_PD5 58_PD6 TJA1050 UART1	Header, 4-Pin	TJA1050 UART1	LOCKEDHDR-4	Header 4	
57_PD5 58_PD6 FJA1050				Header 4 Header 4	
57_PD5 58_PD6 FJA1050 JART1	Header, 4-Pin	UART1	LOCKEDHDR-4		