









Bill of Materials < Parameter Title not found>

Source Data From: jichuang1.PrjPCB jichuang1.PrjPCB Project: Variant:

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Footprint	Comment	LibRef	Designator	Description	Quantity
Buzzer	Buzzer	Buzzer	BUZZER1		
SMD0603-S	C0603	C0603	C2, C3, C4, C5, C6, C7, C11, C12, C13, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34,	Ceramic Chip Capacitor - Standard	
			C35, C36, C38, C39, C40, C41, C46		
SMD0805L	C0603	C0603	C8, C9, C10, C37, C48, C50	Ceramic Chip Capacitor - Standard	
SMD0603-S	0603-100N	Cap	C14, C15	Capacitor	
SMD0603-S	Сар	Cap	C16, C17	Capacitor	
SMD0603-S	C_TA_B	C_TA_B	C18	Tantalum capacity	
CAP-	C_TA_B	C_TA_B	C42, C43	Tantalum capacity	
SMD3528(B) CAP-	C0603	C0603	C44, C45	Ceramic Chip Capacitor - Standard	
SMD3528(B)					
CAP D 7343	C_TA_B	C_TA_B	C47	Tantalum capacity	
CAP_SMD 0603C	C_TA_B Cap	C_TA_B Cap	C49 C51, C52, C54, C55, C57, C58, C59	Tantalum capacity Capacitor	
0805c	Cap	Cap2	C53, C56	Capacitor	
0402c	Сар	Сар	C60, C61, C62, C63, C64, C65, C66, C67,	Capacitor	
71020	Сар	Сар	C68, C69, C70, C71, C72, C73, C74, C75,	Capacitor	
0805 led	LEDGREEN	LEDGREEN	D1, D2, D6	1	
0805 led	LEDRED	LEDRED	D3, D5	1	
3.2X1.6X1.1	B230A	D Tunnel1	D4	Tunnel Diode - RLC Model	
3.96-4	Header 4	Header 4	ENCODER	Header, 4-Pin	
HDR2X5	Header 5X2	Header 5X2	FPGA_IO, MCU_IO H1, H2, H3, H4	Header, 5-Pin, Dual row	
GND_HOLE	GND_HOLE	GND_HOLE			
DB9	D Connector 9	D Connector 9	INPUT, OUTPUT	Receptacle Assembly, 9 Position, Right Angle	
HEADER10X	JTAG	JTAG	J-link		
JTAG7*2	DC3-14P	JTAG7*2	J1	JTAG_Connector	
SMD_KEY3*	KEY	SW-PB	K2	Switch	
2 54-11	Header 11	Header 11	KEY	Header 11-Pin	
AN66	KEY	KEY	key1	ricador, rrr m	
ND 0630	4.7uH	INDUCTOR_IRO	L1		
PC_1.0_11	LCD	Header 10	LCD	Header, 10-Pin	
3.96-2		XH_2.54_2	Power2		
DC-005		DC005	POWER1	1	
SOT-23 A	S8050	S8050-SOT23	Q1, Q2, Q3, Q4		
SMD0603-S	resistor	Res	R6, R7, R8, R9, R10, R11, R12, R13,	1	
J.VI.D0000 0	redictor	1.00	R14, R15, R16, R17		
SMD0603-S	R0603	R0603	R18, R19, R20, R21, R22, R23, R24, R25,	Precision Thick Film Chip Resistor, 10	
			R26, R27, R28, R29, R30, R31, R32, R33,	Ohm to 1M Ohm Range, 1% and 0.5%	
			R34, R35, R36, R37, R39, R40, R41	Tolerance, 0603 Size, 0.063 W	
SMD0805L	R0805	R0805	R38	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5%	
				Tolerance, 0805 Size, 0.1 W	
0603r	Res2	Res2	R42, R43, R44, R45, R48, R49, R50, R51,	Resistor	
			R52		
0603r	resistor	Res	R46, R47, R53	1	
0603r	R0603	R0603	R54, R57, R58, R59, R60, R61, R62, R63,		
			R64	Ohm to 1M Ohm Range, 1% and 0.5%	
				Tolerance, 0603 Size, 0.063 W	
0603r	NC	Res	R55, R56		
3.96-2 SOT23-5	switch_side SN74LVC1G17	switch_side SN74LVC1G17	SW	CNI741 1/04047	
SU123-5 DIP16	TI P521-4	TI P521-4	U3, U6, U7, U8, U9, U10, U14, U15	SN74LVC1G17	
AMS1117	1117-3.3	1117M3-3.3	U4, U5 U11, U17	-	
QFP144	STM32F103ZET	STM32F103ZET	U12	STM32 ARM-based 32-bit MCU	
	6	6		Performance Line with 512 kB Flash, 64	
				kB Internal RAM, -40 to +85癈	
				Temperature, 144-Pin LQFP, Tray	
SOP8	24c02	24c02	U13		
SOP16	CH340G	CH340G	U16	USB2UART	
SOT23-6	TPS562200	TPS56220	U18	2A DC/DC controller	
TQG144_N	XC6SLX9-	XC6SLX9-	U19	Spartan-6 LX 1.2V FPGA, 102 User I/Os,	
	2TQG144C	2TQG144C		144-Pin TQFP (0.5mm Pitch), Speed Grade 2, Commercial Grade, Pb-Free	
SOIC8	M25P16-	M25P16-	U20	Grade 2, Gorilliercial Grade, 1 5-1166	
30.00	VMN3PB	VMN3PB	020		
XTAL7050	CLK	CLK	U21		
SOT-223	1117-3.3	1117M3-3.3	U22	1	
SOT-223	1117-1.2	1117M3-3.3	U23]	
MINIUSB-1	MINIUSB	MINIUSB	USB	MINIUSB	
KTAL_HC-	XTAL_Norm	XTAL_Norm	XTAL1		
49S					
KTAL_HC- 49S	8MHz	XTAL	Y1	Crystal Oscillator	
Approved		Notes			1
		1		1	