C16 C18 C21	Reference	Quantity	Value	Footprint	Datasheet	Туре	Voltage
C17							
C17  1 2u2 mm P2.00mm		3	4u7		~	X7R	16V
1	C17						
C19 C20  2 12p der		1	2u2		~		25V
Strict	C19 C20						
C22							
C22		2	12p		~	X7R	16V
1 100nF etric ~ X7R 16V  C1 C2 C3 C4 C5 C6	C22		г				
C1 C2 C3 C4 C5 C6  C7 C8 C9 C10 C11  etric_Pad1.05x0.95mm_HandSol  C12 C13 C14 C15  15  100nF  der   2		1	100nF		~	X7R	16V
C7 C8 C9 C10 C11 C12 C13 C14 C15 15 100nF der	C1 C2 C3 C4 C5 C6						
C12 C13 C14 C15							
D1 D2		15	100nF		~	X7R	16V
LED_SMD:LED_0805_2012Metri   2   LED		13	100111	uci		λ/ Ι	101
Sesistor_SMD:R_0603_1608Met	D1 D2			LED SMD-LED 0805 2012Metri			
Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold ric_Pad1.05x0.95mm_HandSold ric_Pad1.05x0.95mm_HandSold ric_Pad1.05x0.95mm_HandSold ric_Pad1.05x0.95mm_HandSold ric_Pad1.05x0.95mm_HandSold ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_Hore ric_Pad1.05x0.95mm_HandSold ric_Pad2.05x0.95mm_HandSold		2	LED		~		
	ED1		LED				
1	LDI						
Connector_PinHeader_2.54mm:		1	1E0D	_	~		
PinHeader_1x09_P2.54mm_Vert	11	1	130K				
1	JI						
TerminalBlock_4Ucon:TerminalB   lock_4Ucon:TerminalB   lock_4Ucon:Terminal   lock_4Ucon:TerminalBeaction   lock_4Ucon:Terminal   loc		4	C 0100		•		
	12	1	Conn_01x09				
1	J2						
J4         Conn_ARM_J Connector_PinHeader_1.27mm:		4					
TAG_SWD_1 PinHeader_2x05_P1.27mm_Vert  1 0 ical_SMD    Connector_PinHeader_2.54mm:   PinHeader_1x03_P2.54mm_Vert     1		1					
1 0 ical_SMD    Connector_PinHeader_2.54mm:   PinHeader_1x03_P2.54mm_Vert     1   Conn_01x03   ical   ~     Connector_PinHeader_1.27mm:   Conn_02x05   PinHeader_2x05_P1.27mm_Vert     1  Odd_Even   ical_SMD   ~   R17 R18   Resistor_SMD:R_0603_1608Met     1  Odd_Even   ical_SMD   ~   R18 R18 R18 R20   Resistor_SMD:R_0603_1608Met     1  Odd_Even   ical_SMD:R_0603_1608Met     1  Odd_Even   ical_SMD:SMD:SMD:SMD:SMD:SMD:SMD:SMD:SMD:SMD:	J4						
PinHeader_1x03_P2.54mm_Vert     1		1	0				
1       Conn_01x03 ical       ~         J6       Connector_PinHeader_1.27mm:         Conn_02x05       PinHeader_2x05_P1.27mm_Vert         ical_SMD       ~         R17 R18       Resistor_SMD:R_0603_1608Met         ric_Pad1.05x0.95mm_HandSold       2         2       330R       er         R2 R7 R10 R11 R12       Resistor_SMD:R_0603_1608Met         R13 R16 R19 R20       ric_Pad1.05x0.95mm_HandSold         9       10k       er         R1 R4 R5 R6 R8 R9       Resistor_SMD:R_0603_1608Met         R14 R15       ric_Pad1.05x0.95mm_HandSold         8       10R       er         SW1       Button_Switch_SMD:SW_Push_         1       SW_Push       1P1T_NO_CK_KMR2         V1       Package_SO:TSSOP-         1       MCP3564       20_4.4x6.5mm_P0.65mm         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering	J5						
Connector_PinHeader_1.27mm:   Conn_02x05							
Conn_02x05 PinHeader_2x05_P1.27mm_Vert		1	Conn_01x03		~		
1       _Odd_Even       ical_SMD       ~         R17 R18       Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold       ~         2       330R       er       ~         R2 R7 R10 R11 R12       Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold       ~         R13 R16 R19 R20       9       10k       er       ~         R1 R4 R5 R6 R8 R9       Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold       ~         R14 R15       ric_Pad1.05x0.95mm_HandSold       ~         SW1       Button_Switch_SMD:SW_Push_       ~         SW1       Button_Switch_SMD:SW_Push_       ~         U1       Package_SO:TSSOP-       ~         U1       Package_SO:TSSOP-       ~         U2       Package_TO_SOT_SMD:SOT-23-       ~         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering	J6						
R17 R18       Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold         2       330R       er       ~         R2 R7 R10 R11 R12       Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold       ~         R1 R4 R19 R20       ric_Pad1.05x0.95mm_HandSold       ~         R1 R4 R5 R6 R8 R9       Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold       ~         R14 R15       ric_Pad1.05x0.95mm_HandSold       ~         SW1       Button_Switch_SMD:SW_Push_       ~         1       SW_Push       1P1T_NO_CK_KMR2       ~         U1       Package_SO:TSSOP-         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering			<del>-</del>				
ric_Pad1.05x0.95mm_HandSold  2 330R er ~  R2 R7 R10 R11 R12 Resistor_SMD:R_0603_1608Met R13 R16 R19 R20 ric_Pad1.05x0.95mm_HandSold 9 10k er ~  R1 R4 R5 R6 R8 R9 Resistor_SMD:R_0603_1608Met R14 R15 ric_Pad1.05x0.95mm_HandSold 8 10R er ~  SW1 Button_Switch_SMD:SW_Push_ 1 SW_Push 1P1T_NO_CK_KMR2 ~  U1 Package_SO:TSSOP- 1 MCP3564 20_4.4x6.5mm_P0.65mm  U2 Package_TO_SOT_SMD:SOT-23- 1 MAX6070 6_Handsoldering		1	_Odd_Even		~		
2 330R er ~  R2 R7 R10 R11 R12 Resistor_SMD:R_0603_1608Met R13 R16 R19 R20 ric_Pad1.05x0.95mm_HandSold 9 10k er ~  R1 R4 R5 R6 R8 R9 Resistor_SMD:R_0603_1608Met ric_Pad1.05x0.95mm_HandSold 8 10R er ~  SW1 Button_Switch_SMD:SW_Push_ 1 SW_Push 1P1T_NO_CK_KMR2 ~  U1 Package_SO:TSSOP- 1 MCP3564 20_4.4x6.5mm_P0.65mm  U2 Package_TO_SOT_SMD:SOT-23- 1 MAX6070 6_Handsoldering	R17 R18						
R2 R7 R10 R11 R12       Resistor_SMD:R_0603_1608Met         R13 R16 R19 R20       ric_Pad1.05x0.95mm_HandSold         9       10k       er         R1 R4 R5 R6 R8 R9       Resistor_SMD:R_0603_1608Met         R14 R15       ric_Pad1.05x0.95mm_HandSold         8       10R       er         SW1       Button_Switch_SMD:SW_Push_         1       SW_Push       1P1T_NO_CK_KMR2         V1       Package_SO:TSSOP-         1       MCP3564       20_4.4x6.5mm_P0.65mm         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering				ric_Pad1.05x0.95mm_HandSold			
R13 R16 R19 R20       ric_Pad1.05x0.95mm_HandSold         9       10k       er         R1 R4 R5 R6 R8 R9       Resistor_SMD:R_0603_1608Met         R14 R15       ric_Pad1.05x0.95mm_HandSold         8       10R       er         SW1       Button_Switch_SMD:SW_Push_         1       SW_Push       1P1T_NO_CK_KMR2         V1       Package_SO:TSSOP-         1       MCP3564       20_4.4x6.5mm_P0.65mm         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering		2	330R		~		
9 10k er ~  R1 R4 R5 R6 R8 R9 Resistor_SMD:R_0603_1608Met  R14 R15 ric_Pad1.05x0.95mm_HandSold  8 10R er ~  SW1 Button_Switch_SMD:SW_Push_  1 SW_Push 1P1T_NO_CK_KMR2 ~  U1 Package_SO:TSSOP-  1 MCP3564 20_4.4x6.5mm_P0.65mm  U2 Package_TO_SOT_SMD:SOT-23-  1 MAX6070 6_Handsoldering							
R1 R4 R5 R6 R8 R9       Resistor_SMD:R_0603_1608Met         R14 R15       ric_Pad1.05x0.95mm_HandSold         8       10R       er         SW1       Button_Switch_SMD:SW_Push_         1       SW_Push       1P1T_NO_CK_KMR2         V1       Package_SO:TSSOP-         1       MCP3564       20_4.4x6.5mm_P0.65mm         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering	R13 R16 R19 R20			ric_Pad1.05x0.95mm_HandSold			
R14 R15       ric_Pad1.05x0.95mm_HandSold         8       10R       er       ~         SW1       Button_Switch_SMD:SW_Push_       _         1       SW_Push       1P1T_NO_CK_KMR2       ~         U1       Package_SO:TSSOP-         1       MCP3564       20_4.4x6.5mm_P0.65mm         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering		9	10k	er	~		
8       10R       er       ~         SW1       Button_Switch_SMD:SW_Push_       _         1       SW_Push       1P1T_NO_CK_KMR2       ~         U1       Package_SO:TSSOP-         1       MCP3564       20_4.4x6.5mm_P0.65mm         U2       Package_TO_SOT_SMD:SOT-23-         1       MAX6070       6_Handsoldering							
SW1         Button_Switch_SMD:SW_Push_           1         SW_Push         1P1T_NO_CK_KMR2         ~           U1         Package_SO:TSSOP-           1         MCP3564         20_4.4x6.5mm_P0.65mm           U2         Package_TO_SOT_SMD:SOT-23-           1         MAX6070         6_Handsoldering	R14 R15			ric_Pad1.05x0.95mm_HandSold			
1     SW_Push     1P1T_NO_CK_KMR2     ~       U1     Package_SO:TSSOP-       1     MCP3564     20_4.4x6.5mm_P0.65mm       U2     Package_TO_SOT_SMD:SOT-23-       1     MAX6070     6_Handsoldering		8	10R	er	~		
U1	SW1			Button_Switch_SMD:SW_Push_			
1 MCP3564 20_4.4x6.5mm_P0.65mm  U2 Package_TO_SOT_SMD:SOT-23-  1 MAX6070 6_Handsoldering		1	SW_Push	1P1T_NO_CK_KMR2	~		
U2 Package_TO_SOT_SMD:SOT-23- 1 MAX6070 6_Handsoldering	U1			Package_SO:TSSOP-			
1 MAX6070 6_Handsoldering		1	MCP3564	20_4.4x6.5mm_P0.65mm			
	U2			Package_TO_SOT_SMD:SOT-23-			
		1	MAX6070				
U3 STM32F373C Package_QFP:LQFP-	U3						
1 CT6 48_7x7mm_P0.5mm		1					

U4		TC1108-	Package_TO_SOT_SMD:SOT-223-
	1	3.3VDBTR	3_TabPin2
U5		MPE1205S-	simonmartin_kicad_lib:Converte
	1	1W	r_DCDC_multicorp_THT
X1		ECS-	
		2520MVLC-	Oscillator:Oscillator_SMD_ECS_
	1	049-BN	2520MV-xxx-xx-4Pin_2.5x2.0mm
Y1		Crystal_GND	Crystal:Crystal_SMD_TXC_7M-
	1	24	4Pin_3.2x2.5mm ~