







Case/ Package	Case/Package	Comment	Description						Quantity
			0.1µF ±5% 50V	Designator	Footprint	LibRef	Number	Number	Quartity
08	805 (2012 Metric)	0.1uF	Ceramic Capacitor X7R 0805 (2012 Metric)	C1, C2, C3, C4, C7, C8, C9	CAP 0805	CAP_0.1uF-50V-5%- 0805		C0805C104J5RACT U	7
			22pF ±5% 50V		_				
			Ceramic Capacitor C0G, NP0 0805			CAR 225E 50V 5%	C0905C220 I5CACT		
08	805	22pF	(2012 Metric)	C5, C6, C11	CAP_0805	CAP_22pF-50V-5%- 0805	C0805C220J5GACT U		3
		<u>'</u>	1µF ±5% 50V	,,-					
			Ceramic Capacitor			0.4.5.4.5.504.504		000005 110/770000	
08	805 (2012 Metric)	1uF	X7R 0805 (2012 Metric)	C10	CAP_0805	CAP_1uF-50V-5%- 0805		CC0805JKX7R9BB1 05	1
	000 (2012 1110 1110)		4 pin, 1 row, 2.54mm	0.0	CON4_100_40D72_	CON-BS-PLG_4X1-			<u> </u>
TH	Н	4X1 Bergstrip	pitch bergstrip	J1	TH_ST_MALE	100-TH-ST		NA	1
TH	ш	OV2 Borg Strip	6 pin, 2 row, 2.54mm	J2	CON6_100_59D78_	CON-BS-PLG_2X3- 100-TH-ST	NA		4
	П	2X3 Berg Strip	pitch bergstrip USB - micro B USB	J2	TH_ST_Duplicate	100-111-31	IVA		ı
			2.0 Receptacle						
			Connector 5		CON 40440400	CON-			
SM	MD	MICRO USB2.0	Position Surface Mount, Right Angle	J3	CON_10118192- 0001LF_SMD	USB_10118192- 0002LF-SMD		10118192-0002LF	1
			20 pin, 1 row,		_				
		00V4 D	2.54mm pitch	14 15		CON-BS-PLG_20X1-			
TH	П	20X1 Bergstrip	bergstrip Red 621nm LED	J4, J5	_TH_ST	100-TH-ST		NA	2
			Indication - Discrete						
0005		DEDIED	2V 0805 (2012	LED4 LED0	LED 0005	LED-RED_10mA-	1 TOT 0470FKT		
0805		RED LED	Metric)	LED1, LED2	LED_0805	0805	LTST-C170EKT		2
08	805	10K	10 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R1, R5, R6, R7	RES_0805	RES_10K-0.125W- 1%-0805		RC0805FR-0710KL	4
			10 MOhms ±1%		_				
08	805 (2012 Metric)	10Mohm	0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200, High Voltage Thick Film	R2	RES_0805	RES_10MOHM- 0.125W-1%-0805		KTR10EZPF1005	1
08	805	1K	1 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R3, R4	RES_0805	RES_1K-0.125W- 1%-0805	RC0805FR-071KL		2
SOT-23-5		RT9193-33GB	Linear Voltage Regulator IC 1 Output 300mA SOT- 23-5	REG1	SOT23-5	REG_3.3V-5.5V- 0.3A-SOT-23-5	RT9193-33GB		1
SM	MD	TACT SWITCH	Tactile Switch SPST-NO Top Actuated Surface Mount	SW1	SW_342_SMD	SW_KSR223GLFG- SMD		KSR223GLFG	1
48	8-LQFP	STM32F103C8T6	ARM® Cortex®-M3 STM32F1 Microcontroller IC 32- Bit 72MHz 64KB (64K x 8) FLASH	U1	LQFP- 48_19.6_393_58X11 SMD	IC-STM32F103C8T6	STM32F103C8T6		-
		8MHz	Crystals 8MHz 22pF -20C 70C	Y1	_	XTAL_8MHZ- LFXTAL030234		LFXTAL030234Reel	
SM	MD	32.768KHz	Crystals SMD AT XT	Y2	XTAL_MC-405 32.768	XTAL_32.768KHz-MC		MC-405 32.7680K-G3	

Design Rules Verification ReportFilename: F:\Altium\STM_Project\STM_BLUEPILL\STM_BLUEPILL.PcbDoc

Warnings 0 Rule Violations 0

Rule Violations	
Short-Circuit Constraint (Allow ed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	C
Clearance Constraint (Gap=5mil) (All),(All)	C
Power Plane Connect Rule(Relief Connect)(Expansion=20mil) (Conductor Width=10mil) (Air Gap=10mil) (Entries=4)	C
(All)	
Width Constraint (Min=10mil) (Max=50mil) (Preferred=10mil) (All)	C
Height Constraint (Min=0mil) (Max=1000mil) (Prefered=500mil) (All)	(
Hole Size Constraint (Min=1mil) (Max=100mil) (All)	C
Hole To Hole Clearance (Gap=10mil) (All),(All)	C
Net Antennae (Tolerance=0mil) (All)	C
Width Constraint (Min=8mil) (Max=8mil) (Preferred=8mil) (InDifferentialPair('D'))	C
Matched Net Lengths(Tolerance=1000mil) (InDifferentialPair ('D'))	(

Monday 21 Jun 2021 10:41:10 AM