ntity	Designator	Туре	Comment	Description	Manufacturer	Manufacturer Part Number	LibRef	Supplier 1	Supplier Part Number 1
	C500, C501, C502,					22144550001005	2:5 0 0 F ()/0		
	C503, C504, C505, C506, C507	Capacitor	C 2.2uF 0402 6.3V	CAP CER 2.2UF 6.3V X6T 0402	Murata Electronics		CAP_2.2uF_6V3_ 0402	Digi-Key	490-10450-1-ND
-		Connector	FPC24	CONN FPC BOT 24 PIN 1mm Pitch		522712479		LCSC	C293627
	500	Connector	FPG24	CONN FFC BOT 24 PIN IIIIII FILCII	Stanley Electric		D_LED_Yellow_06		C293027
1 /	D506	Diode, LED	LED Y	LED YELLOW DIFFUSED	,			Digi-Key	404-1273-1-ND
			 			XTEAWT-E0-0000-			XTEAWT-E0-0000
3 [D513, D514, D515	Diode, LED	LED W	LED XLAMP WARM WHT 2700K SMD	· ·	00000HEE8	D_LED_W_HP_3	Digi-Key	00000HEE8TR-ND
I,	DE04 DE05 DE07				OSRAM Opto	LT 0200 0100	D LED Groom 04		
	D504, D505, D507, D508	Diode, LED	LED G	LED GREEN DIFFUSED 0603 SMD			D_LED_Green_06 03	Digi-Key	475-3442-1-ND
	D500, D501, D502,	Blodd, LLB		LED GREEN BILL GOLD GOOD C.I		99-		Digi Noj	170 0112 1112
	D503, D509, D510,					218UMC/1637CD			
8 [D511, D512	Diode, LED	LED W	LED WHITE SIDE SMD	Everlight Elec			LCSC	C710226
	10504	10 Dulyan	DI 55070A D	10 1 00 00 10 10 10 10 10 10 10 10 10 10	BL(Shanghai		IC_LCD_cntr_BL5	1,000	2524044
- 1 11	C501	IC, Driver	BL55072A-R	IC LCD DRIVER 36SEG TSSOP-48	Ο,			LCSC	C524044
21	IC500, IC502	IC. Driver	MIC2841AYMT	IC LED DRIVER 4 CH	Microchip Technology	MIC2841AYMT- TR	IC_LED_cntr_MIC 2841	Mouser	998- MIC2841AYMTTF
- -	0300, 10302	IC, DITVE	MIOZOTIATIVIT	IO LLD DINIVLIN 4 OIT	reciliology	TK .	IC_LED_cntr_OC7	Modaci	1011020417(11011111
3 1	IC503, IC504, IC505	IC, Driver	OC7140	IC LED DRIVER 1 CH 2A ESOP8	осх	OC7140		LCSC	C842736
				FPC Cable 1mm Pitch 24Pin 80mm					
		other	FPC24p80mm	Opposite Sides	LX	C50299	CABLE_FPC24_80	LCSC	C50299
	HS500, HS501, HS502	other	Heatsink	Heatsink 6.5mm x 6.5mm	Alphacool	17425	Heatsink_6.5x6.5	Amazon	B077VQTB6Q
	SW500, SW501,	Other	Пеагзик	Heatsink o.oniin x o.oniin	Alphacool	17420	Heatsiir_0.5x0.5	Alliazuli	BUTTVQTBUQ
	SW500, SW501, SW502, SW503,					!	SW_TactileSW_V		
		other	SW	SWITCH TACTILE SW-SMD	BRIGHT	TSA063G50-250		LCSC	C294565
1 [DS500	other, Display	LCD 4x1	LCD MOD 4 DIG 4 X 1 REFLECTIVE	Varitronix	VI-402-DP-RC-S	DISPL_7SEG_4x1	Digi-Key	153-1135-ND
\neg		· · ·	†		Stackpole	RMCF0402FT2K0			RMCF0402FT2K0
1 [R513	Resistor	R 2k 0402	RES 2K OHM 1% 1/16W 0402	Electronics Inc	0	R_2k_0402	Digi-Key	CT-ND
3 F	R506, R509, R510	Resistor	R 0R27 1206	RES 0.27 OHM 1% 1/3W 1206			R_0R27_1206	LCSC	C104939
						RC0402FR-			
		Resistor	R 270k 0402	RES 270K OHM 1% 1/16W 0402			R_270k_0402	Digi-Key	311-270KLRCT-N
	R500, R501, R503, R504	Resistor	R 10k 0402	RES 10K OHM 1% 1/16W 0402		RC0402FR- 0710KL	D 10k 0402	Digi-Key	311-10.0KLRCT-
	R504 R511, R512, R514,	Resistor	R 10K 0402	RES TON OHIVI 1% 1/16VV 0402		RMCF0402FT16K	R_10k_0402	Digi-key	RMCF0402FT16
		Resistor	R 16k 0402	RES 16K OHM 1% 1/16W 0402			R_16k_0402	Digi-Key	CT-ND
	R505, R507, R508, R5		R 0R0 0402	RES 0 OHM JUMPER 1/16W 0402	Stacknole Electro	RMCF0402ZT0R00		Digi-Key	RMCF0402ZT0R0

Electrical Rules Check Report

Class	Document	Message
		Successful Compile for Timer_Clock_TOP.PrjPcb

Sonntag 3 Jul 2022 3:20:58 PN

Design Rules Verification ReportFilename : C:\Users\Marius\Documents\GitHub\LCD_Timer_Clock\HW\PCB_TOP\PCB_TOP.CSPcbDoc

Warnings 2 Rule Violations 0

Warnings	
Multilay er Pads with 0 size Hole found	2
Total	2
Rule Violations	

Rule Violations	
Unpoured Polygon (Allow unpoured: False)	0
Silk primitive without silk layer	0
Silk to Silk (Clearance=0.153mm) (All),(All)	0
Silk To Solder Mask (Clearance=0.15mm) (IsPad),(All)	0
Minimum Solder Mask Sliver (Gap=0.05mm) (All),(All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Hole Size Constraint (Min=0.2mm) (Max=6.3mm) (All)	0
Minimum Annular Ring (Minimum=0.2mm) (All)	0
Un-Routed Net Constraint ((Disabled)(All))	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Width Constraint (Min=0.125mm) (Max=2mm) (Preferred=0.2mm) (All)	0
Clearance Constraint (Gap=0.1mm) (All),(All)	0
Total	0

Multilayer Pads with 0 size Hole found Pad FIDJ100-1(12.8mm,-33.1mm) Multi-Layer Pad FIDJ101-1(-18.7mm,31.2mm) Multi-Layer

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