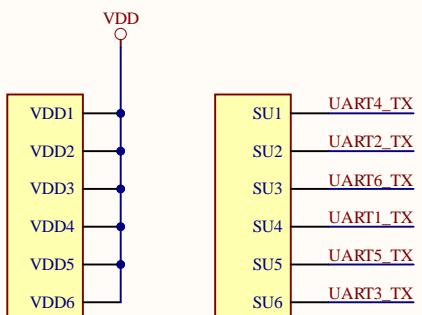
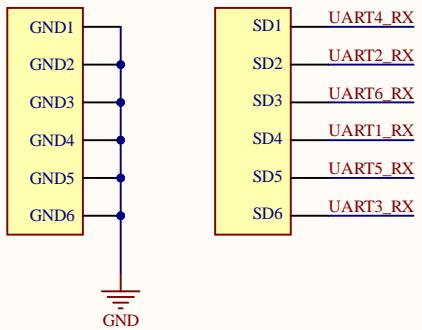


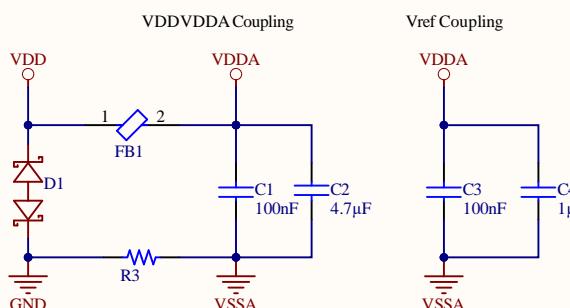
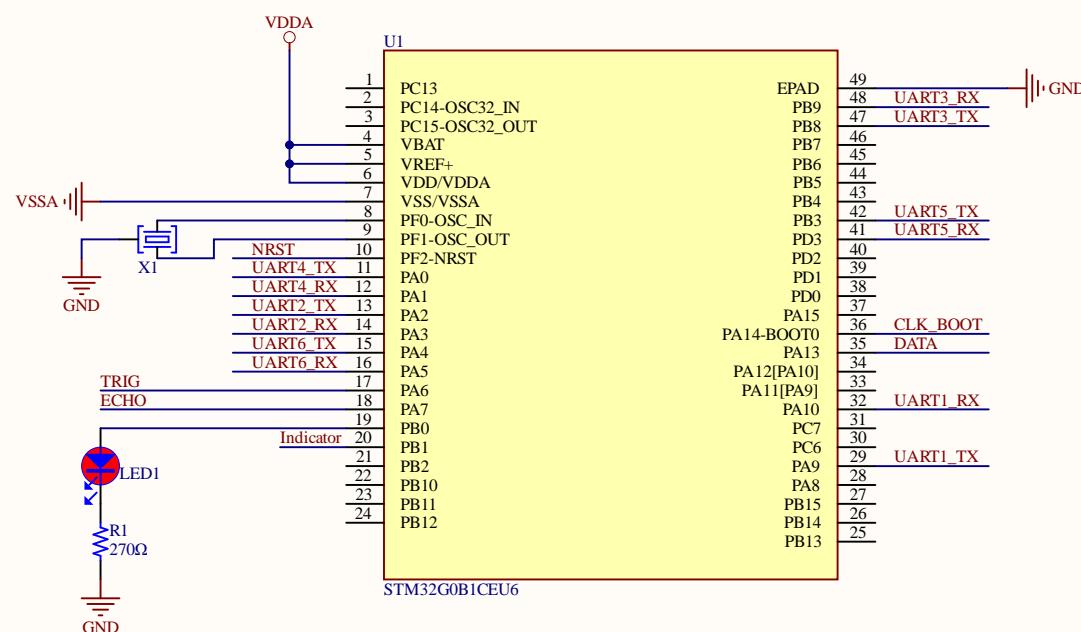
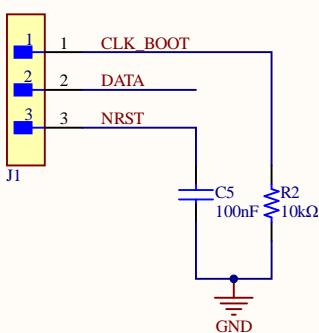
A



B



C



D

Module: H01R0

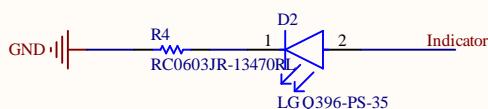
Title: H01R0\_Backend.SchDoc

Description:  
RGB LEDRevision: 0  
Size: Letter

Date: 11/14/2025

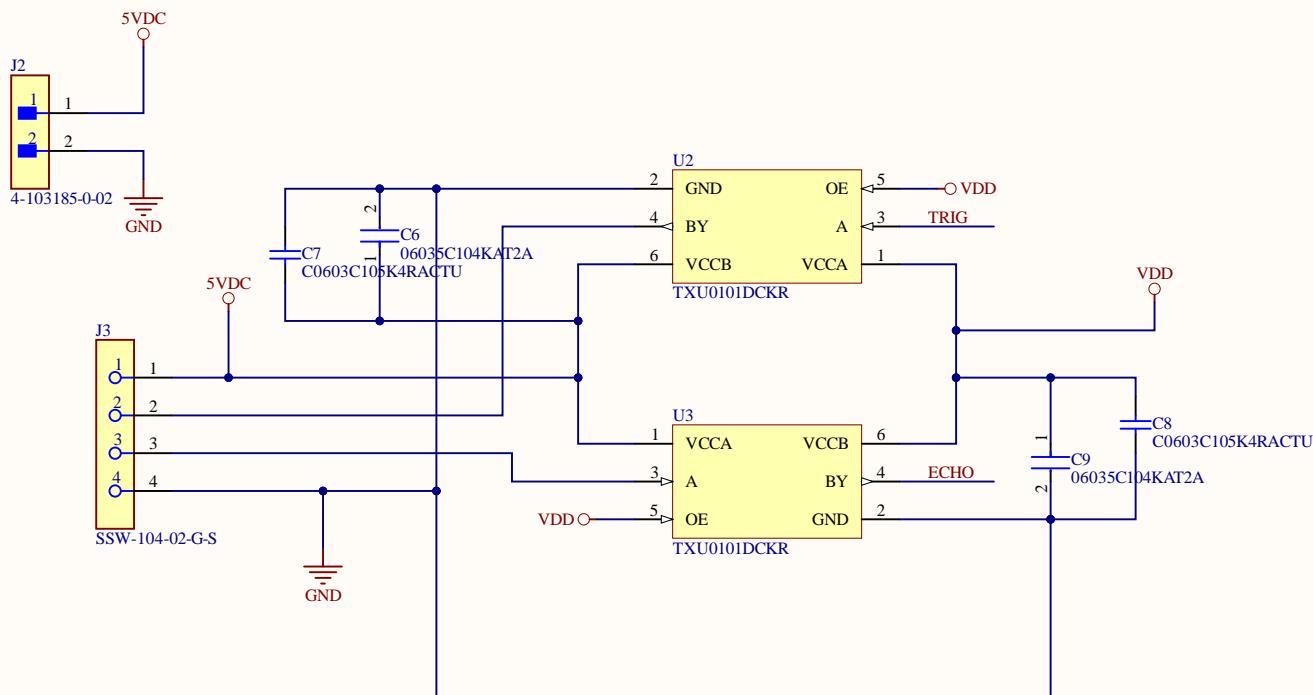
Time: 7:23:10 AM

A



A

B



B

C

C

D

D

Module: <b>H01R0</b>	Title: <b>H01R0_Frontend.SchDoc</b>	Revision: 0 Size: Letter
Description: <b>RGB LED</b>		
Date: 11/14/2025	Time: 7:23:10 AM	Sheet 2 of 2

Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	CL10B104KA8NNNC	Ceramic Capacitor, Multilayer, Ceramic, 25V, 10% ±Tol, 10% -Tol, X/R, +15%TC, 100nF, Surface Mount, 0603 inch	C1, C3, C5		Not managed		3							
	CL21X475KAGNNNE	Ceramic Capacitor, Multilayer, Ceramic, 25V, 10% ±Tol, 10% -Tol, X/S, +22%TC, 4.7uF, Surface Mount, 0805 inch	C2		Not managed		1							
	CC0805K107RZBB105	Ceramic Capacitor, Ceramic, 16V, 10% ±Tol, 10% -Tol, X/R, 15%TC, 1uF, Surface Mount, 0805	C4		Not managed		1							
	06035C104KAT2A	General Purpose Ceramic Capacitor, 0603, 100nF, 10%, X/R, 15%, 50V	C6, C9		Unknown server		2							
	C0603C105K4RAC TU		C7, C8		Unknown server		2							
	CDSOD323-T03SC	A3V, 350W, bi-directional, standard capacitance, SOD323 (kg) TVS Diode   Bourns CDSOD323-T03SC	D1		Not managed		1				DigKey	CDSOD323-T03SCDKR-ND		
	LG Q396-PS-35	LED GREEN DIFFUSED 0603 SMD	D2		Unknown server		1							
	MM21608Y300B	Ferrite Beads 0603 30ohms 1500mA Signal Line AEC-Q200	FB1		Not managed		1	TDK	MM21608Y300BTA00	Volume Production	DigKey	445-MM21608Y300BTA00DKR-ND	0.1	0.1
	TSW-103-14-G-S	CONN HEADER VERT3POS 2.54MM	J1		Unknown server		1	Samtec	TSW-103-14-G-S	Volume Production	Mouser	200-TSW10314GS	0.46	0.46
4-103185-0-02	4-103185-0-02	Conn Header Vert 2POS 2.54MM	J2		Unknown server		1							
	SSW-104-02-G-S	SSW-104-02-G-S Board to Board & Mezzanine Connectors Tiger Buy Socket Strip with PCB Tails, .100 Pitch	J8		Unknown server		1							
	VLMS1300-GS08	LED Uni-Color Super Red 639nm 2-Rn Chip 0603(1608Metric) T/R	LED1		Not managed		1	Vishay	VLMS1300-GS08	Volume Production	DigKey	VLMS1300-GS08DKR-ND	0.21	0.21
	Manufacturer Part Number	Res Thick Film 0603 270 Ohm 5% 0.1W(1/10W) ±200ppm/C Pad SMD Automotive T/R	R1		Not managed		1							
	Manufacturer Part Number	100mW Thick Film Resistors ±100ppm/°C ±1% 10kΩ 0603 Chip Resistor - Surface Mount RO+HS	R2		Not managed		1							
	RO0603-R-13470RL		R3		Not managed		1							
	STM32G0B1CEU6	MCU 32-bit ARM Cortex-M0+ RISC 512KB Flash 1.8V/2.5V/3.3V/48-Pin UQFPN EP Tray	U1		Not managed		1	STMicroelectronics	STM32G0B1CEU6	Volume Production	Digkey	497-STM32G0B1CEU6-ND		
	TXU0101DCKR	Single channel fixed-direction level shifter 6-SCT0-40 to 125	U2, U3		Unknown server		2							
	CSTCEBM00G52Z-R0	Ceramic Resonator 8MHz±0.5% (Tol) ±0.2% (Stability) 10pF 40Ohm 3-Pin CSMD T/R	X1		Not managed		1							