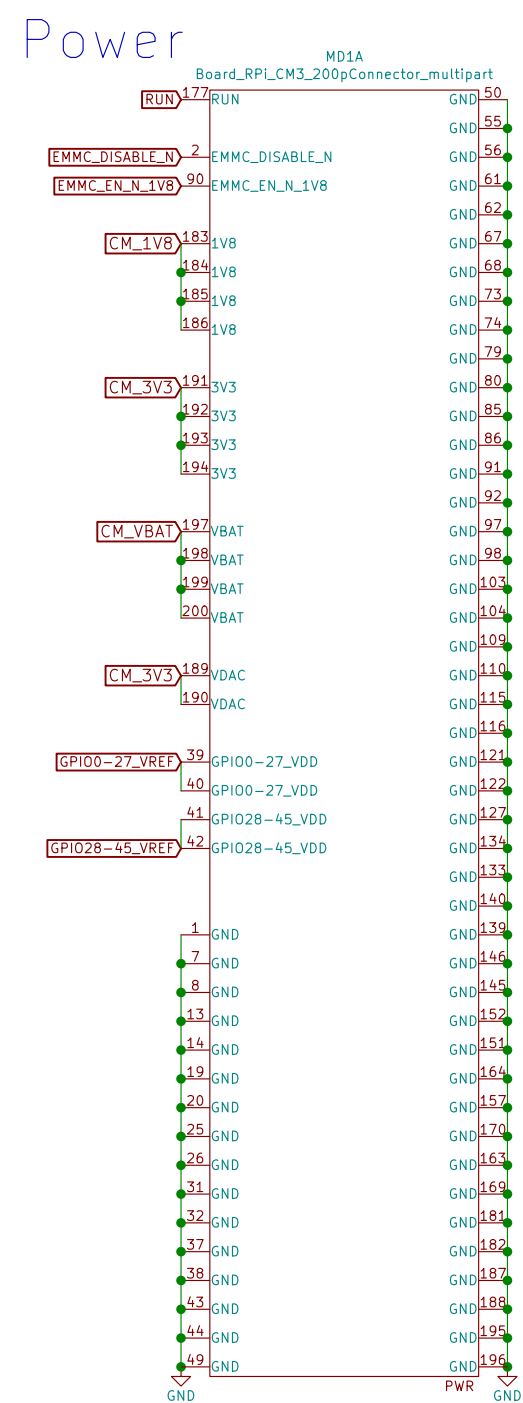
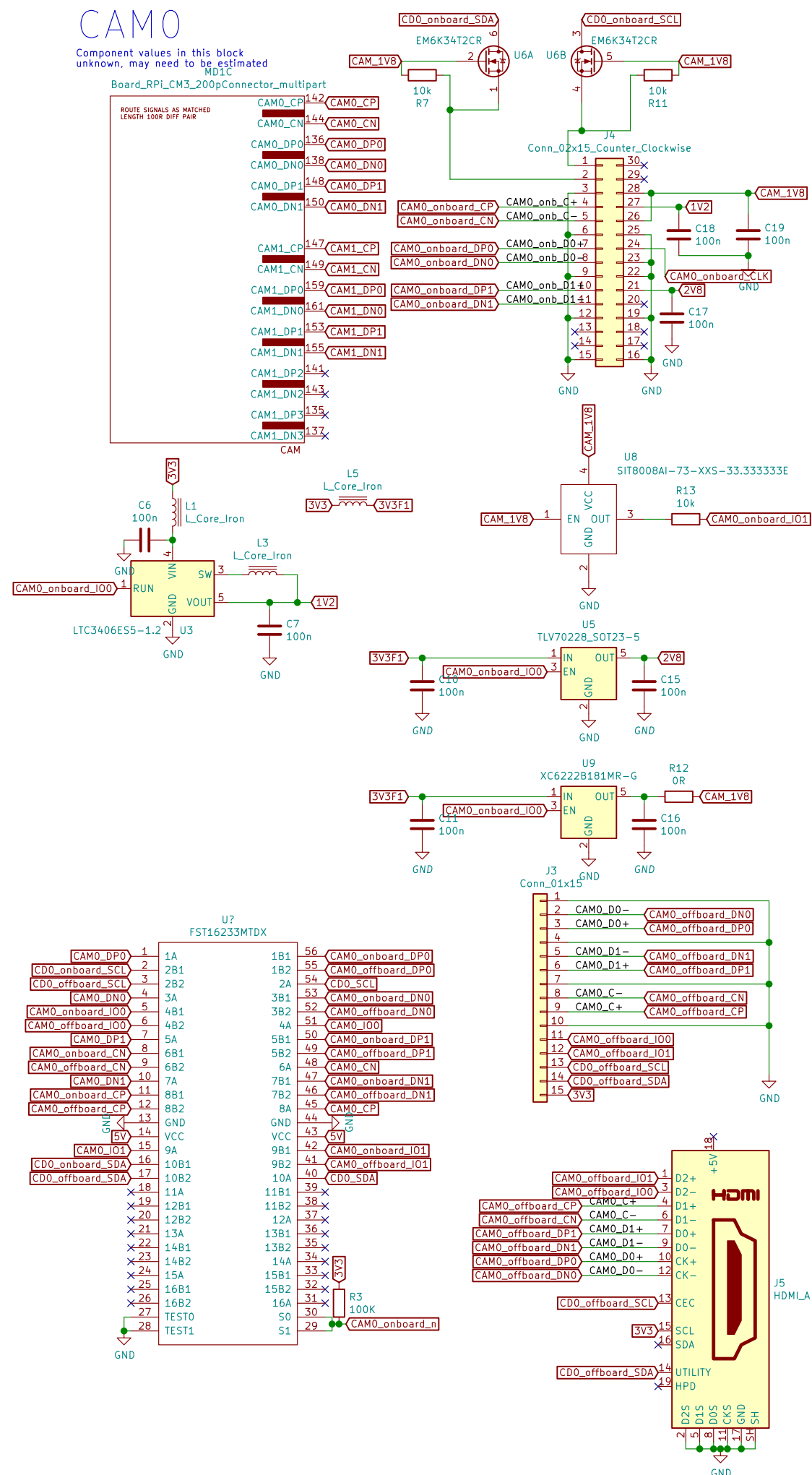


MD1G
Board_RPL_CM3_200pConnector_multipart

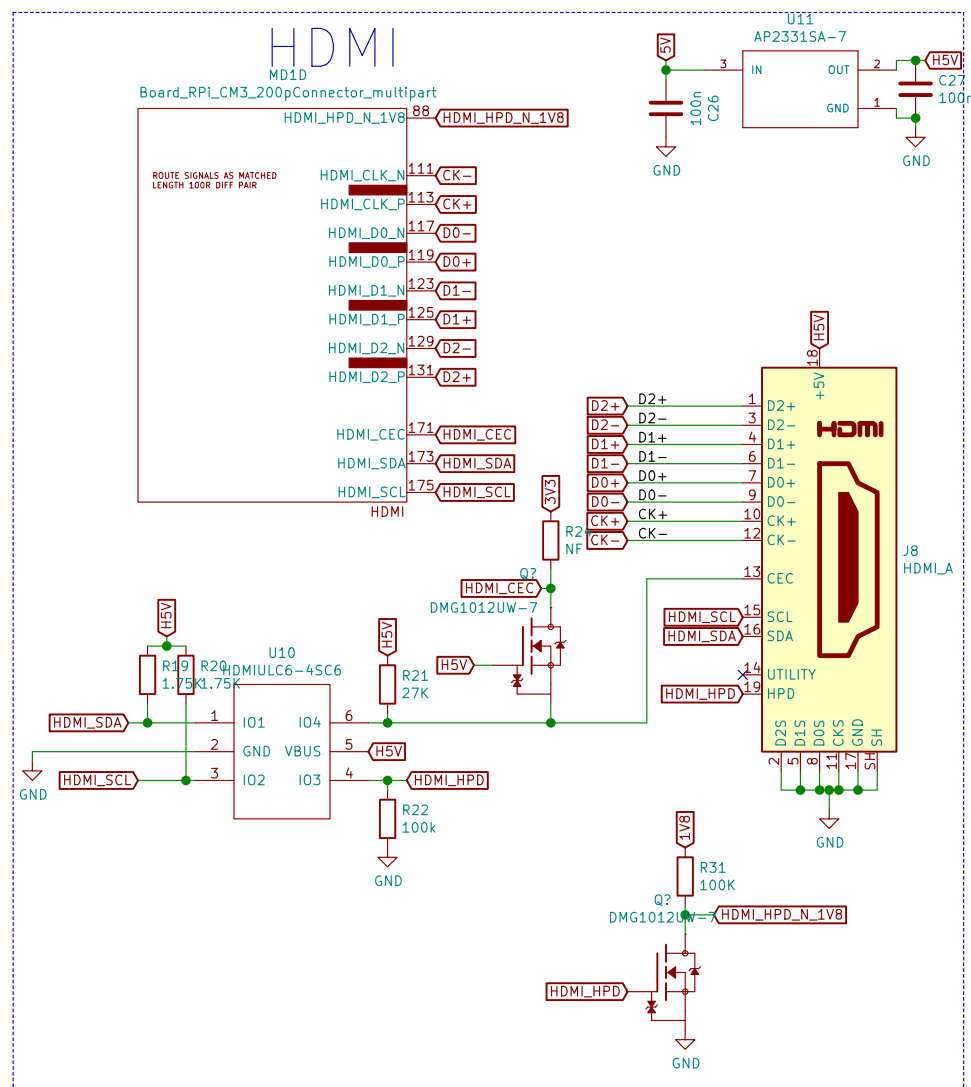
Pin	Signal	Value
166	TVDAC	VC_TRST_172
167	TVDAC	VC_TBD_174
168	TVDAC	VC_TMS_176
169	TVDAC	VC_TCK_178
170	TVDAC	VC_TCK_180
171	TVDAC	NC_4
172	TVDAC	NC_6
173	TVDAC	NC_10
174	TVDAC	NC_12
175	TVDAC	NC_16
176	TVDAC	NC_18
177	TVDAC	NC_22
178	TVDAC	NC_24
179	TVDAC	MISC



Component values in this block unknown, may need to be estimated



Timing diagram for the 200P Connector multipart. The diagram shows signals HDML_HPD_N_LVB, HDML_CLK_N, HDML_CLK_P, HDML_D0_N, HDML_D0_P, HDML_D1_N, HDML_D1_P, HDML_D2_N, HDML_D2_P, HDML_CEC, HDML_SDA, and HDML_SCL over time. A 200ns scale bar is shown at the top. A red box labeled "WATCHED FOR" is on the left. A red box labeled "3.3V" is on the right.



Pin configuration diagram for the J6 connector. The diagram shows a vertical list of pins from 1 to 15. Pins 1 through 12 are connected to specific functions, while pins 13, 14, and 15 are marked as 'Not connected'. The functions are as follows:

- Pin 1: CAM1_DQ0
- Pin 2: CAM1_DQ1
- Pin 3: CAM1_DP0
- Pin 4: CAM1_DP1
- Pin 5: CAM1_CN
- Pin 6: CAM1_CP
- Pin 7: CAM1_OD
- Pin 8: CAM1_IO1
- Pin 9: CD1_S01
- Pin 10: CD1_S0A
- Pin 11: SV3
- Pin 12: GND
- Pins 13, 14, 15: Not connected

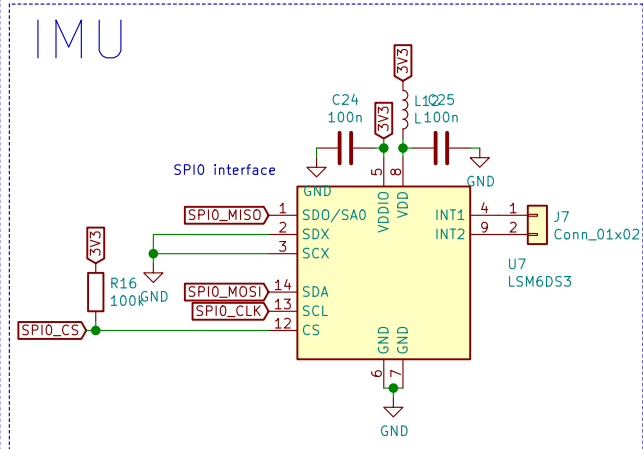
[illegible]

Figure 1 consists of two schematic diagrams, (a) and (b), showing LED driver circuits. Both circuits are powered by a 5V supply and ground (GND).

(a) LED driver circuit for the LED: This circuit uses three MOSFETs (GP030, GP031, GP032) as drivers. Each MOSFET's gate is connected to the 5V supply. The drains of GP030 and GP031 are connected to resistors R25 (470Ω) and R26 (470Ω) respectively, which are then connected to the anodes of LEDs D8 and D9. The source of GP030 is connected to the cathode of D9, and the source of GP031 is connected to the cathode of D8. The source of GP032 is connected to GND. The common cathode of the LED array is connected to GND.

(b) LED driver circuit for the RGB LEDs: This circuit uses three MOSFETs (GP033, GP034, GP035) as drivers. Each MOSFET's gate is connected to the 5V supply. The drains of GP033, GP034, and GP035 are connected to resistors R25 (470Ω), R26 (470Ω), and R29 (470Ω) respectively, which are then connected to the anodes of LEDs D6 (Red), D7 (Green), and D9 (Blue). The source of GP033 is connected to the cathode of D9, the source of GP034 is connected to the cathode of D7, and the source of GP035 is connected to the cathode of D6. The common cathode of the RGB LED array is connected to GND.

[illegible][illegible]

The schematic shows the M24C02-RDW EEPROM connected to the STM32F103C8T6 microcontroller. The microcontroller's I2C pins (SDA1, SCL1) are connected to the EEPROM's SDA and SCL pins. The EEPROM's VCC and GND pins are connected to the 3.3V and GND pins of the microcontroller. The EEPROM's RST pin is connected to a 3.9k resistor and the 3.3V supply. The microcontroller's I2C pins are also connected to a 3.9k resistor and the 3.3V supply.

- H1
MountingHole
- H2
MountingHole
- H3
MountingHole
- H4
MountingHole

CM1E

Board_RPI_CM3_200pConnector_multipart

✖ 93	DSIO_CN	DS1L_CN	100
✖ 102	DSIO_CP	DS1L_CP	102
✖ 93	DSIO_DN1	DS1L_DP0	93
✖ 92	DSIO_DP1	DS1L_DN0	92
✖ 92	DSIO_DN0	DS1L_DP1	118
✖ 104	DSIO_DP0	DS1L_DN2	120
		DS1L_DP2	112
		DS1L_DN2	114
		DS1L_DP3	106
		DS1L_DN3	108

ROUTE SIGNALS AS MATCHED
LENGTH 100R DIFF PAIR

