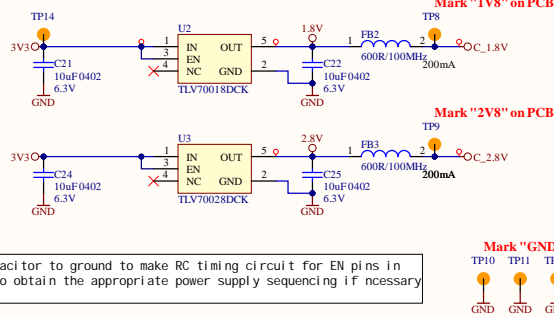


**Project:** DM0260  
**Current Revision:** R1M0E0

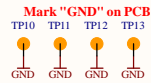
**DM0260 Revision History:**

Date	Revision	Reason for Change	Changes Implemented
12/30/2020	BG0250TG-> R0M0E0	1) ESD protection 2) FFC connector stronger mechanics 3) Outdated stackup	1) Added protection diodes to MIPI lines 2) Changed FFC with Molex 505278 series 3) Standardized 4L stackup
02/12/2020	R0M0E0 -> R1M1E1	1) Make FFC connectors type and pinout ArduCam standard so that camera modules will be compatible with DM1090FFC 2) Library and components not common w/ LuxonisMaster and some has bigger size footprint than needed	1) Changed FFC connectors to ArduCam standard pinout, updated all connections to the connectors. CBA can be connected with same side 26pin FFC to DM1090FFC 2) Updated all components using LuxonisMaster libraries 3) Removed unnecessary components from design (10k pull-ups on LDO enable connected directly) made downsizing of footprints for easier layout
02/12/2020	DM0250_R1M1E1 -> DM0260_R0M0E0	1) Add support for 33-pin standard FFC connector from Arducam 2) Add support for multiple cameras by option to change the core voltage	1) Used 33-pin standard FFC connector for CCM 2) With populating either R4 or R5 you can select 1 V05 or 1 V2 core voltage respectively.
02/12/2020	DM0260_R0M0E0 -> DM0260_R1M0E0	1) Correct the error because of unused pads 2) Add GND vias reducing the current loops	1) Corrected added pads on top/bottom layer 2) Added GND vias

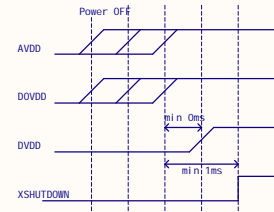
## POWER IO&ANALOG



Add capacitor to ground to make RC timing circuit for EN pins in order to obtain the appropriate power supply sequencing if necessary

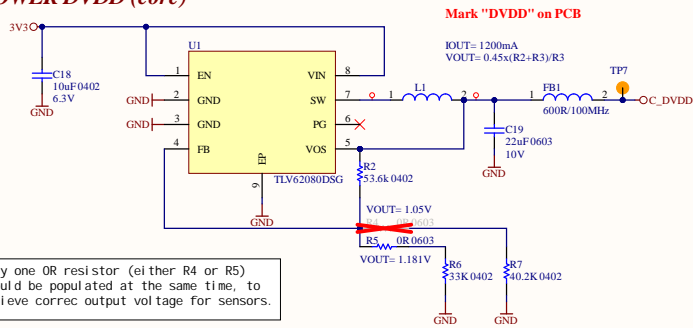


## Power Supply Sequence & Requirements



1. AVDD rising can occur before or after DVDD rising as long as they are rising before XSHUTDOWN rising
2. XSHUTDOWN is pulled up after AVDD and DVDD are stable
3. DVDD rises after DVDD, but before XSHUTDOWN is pulled high

## POWER DVDD (core)

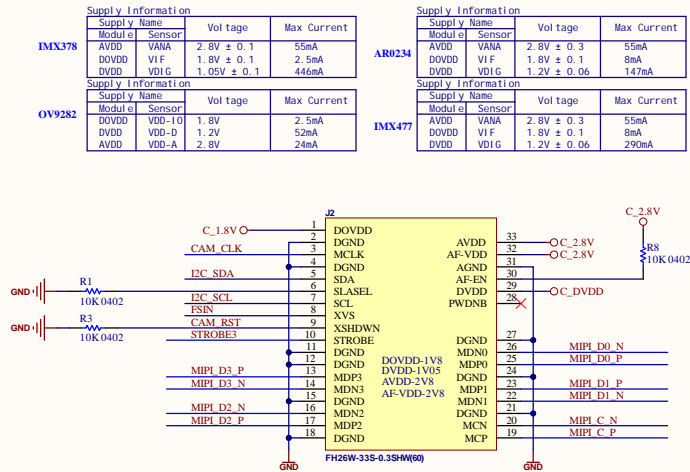


Only one OR resistor (either R4 or R5) should be populated at the same time, to achieve correct output voltage for sensors.

Title <b>DM0260</b>			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States	
Size: <b>Tablet</b>	Number: <b>D0000999</b>	Revision: <b>R1M0E0</b>	Cannot open file C:\Users\Brian.Luxonis\Documents\DM0260	
Date: <b>19/08/2022</b>	Time: <b>14:35:19</b>	Sheet <b>2</b> of <b>3</b>		
Drawn by: <b>David Malvern</b>				

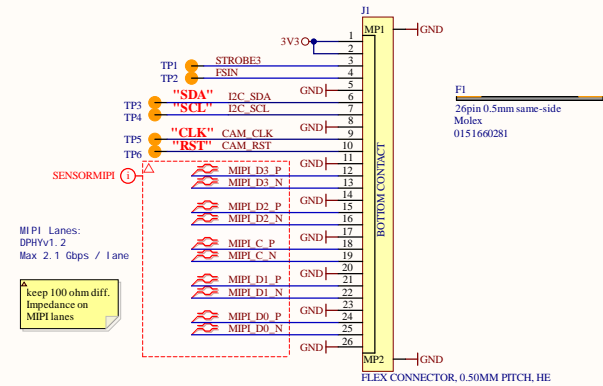
## DM0260

### MODULE CONNECTOR

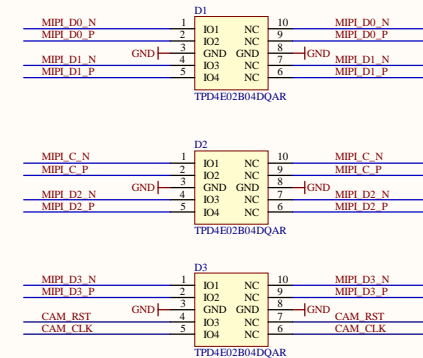


## Revision: R1M0E0

### FFC CAMERA CONNECTOR



### ESD PROTECTION



Title	DM0260	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States	Cannot open file C:\Users\Brian\Luxonis\...
Size:	Tabloid	Number: D0000999	Revision: R1M0E0
Date:	19/08/2022	Time: 14:35:19	Sheet 3 of 3
Drawn by:	David Malvern		