Project: ***DM0255***
Current Revision: ***R1M1E1***

DM0255 Revision History:

Date	Revision	Reason for Change	Changes Implemented
01/29/2021	Initial release		
08/23/2021	R0M0E0 -> R1M1E1	1) Update design to be compatible with DM1090FFC	1) Updated design to be compatible with DM1090FFC - chagned regulator from buck to boost type - changed the FFC connector with 26pin

Title ***DM0255***			***Luxonis Holding*** ***1925 Harmony Park Drive*** ***Westminster, CO*** ***80234*** ***United States***	Cannot open file C:\Users\BrianLuxonis\
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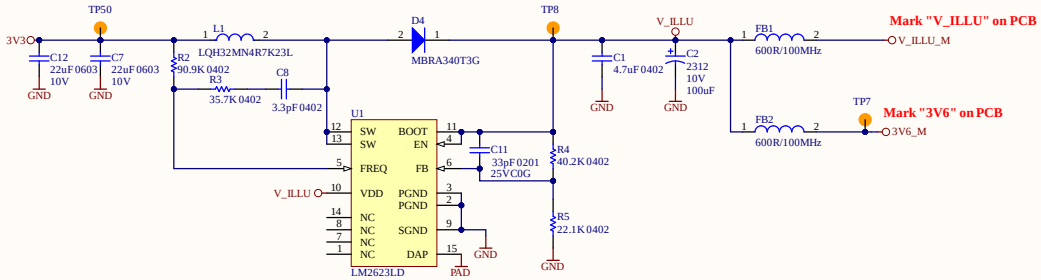
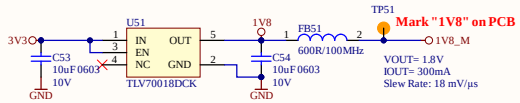
Drawn by: ***David Malovrh***				





Supply Information

Supply Name		Voltage	Max Current
Module	Sensor		
V_ILLU		3.6V ± 0.1	1500mA
VDD_3V6		3.6V ± 0.1	500mA
1V8		1.8V ± 0.1	300mA

No power supply sequencing is needed

Mark "GND" on PCB

TP52 TP55 TP56 TP57

GND GND GND GND

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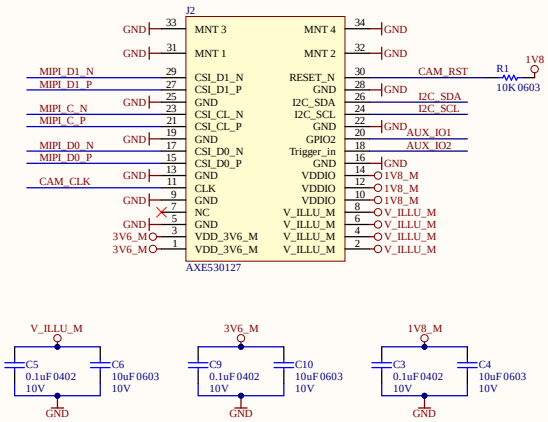
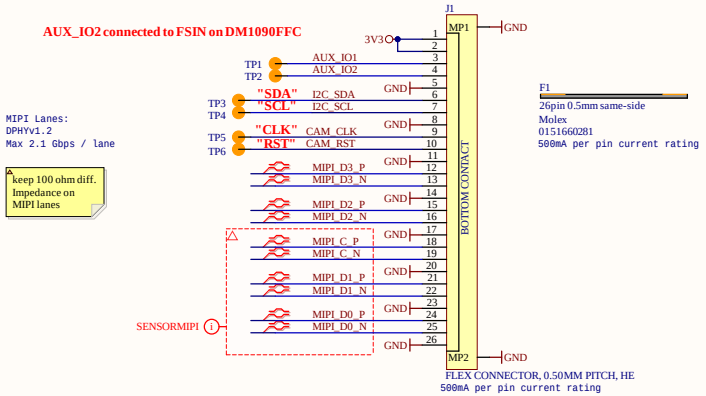
MODULE CONNECTOR

MODULE & SENSOR INFORMATION			
MODULE	MTP006-0JG	I2C Clock Rate	1000 kHz Max
SENSOR	IMX378-AAQH5-C 12.3 Mega pixel CMOS 1/2.3 inch	I2C Address (8 bits)	0x34 (Sensor) 0x18 (VCM driver) 0xA0 (EEPROM driver)
MAX RESOLUTION	4056x3040	Sensor Clock Input	6 - 27 MHz

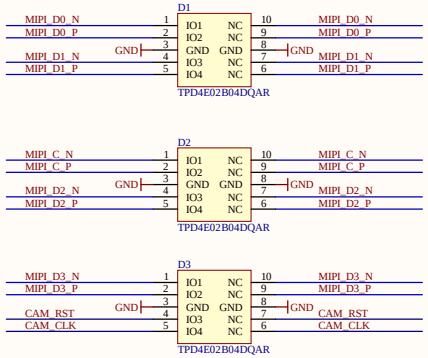
Table needs to be updated with correct parameters



FFC CAMERA CONNECTOR



ESD PROTECTION



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