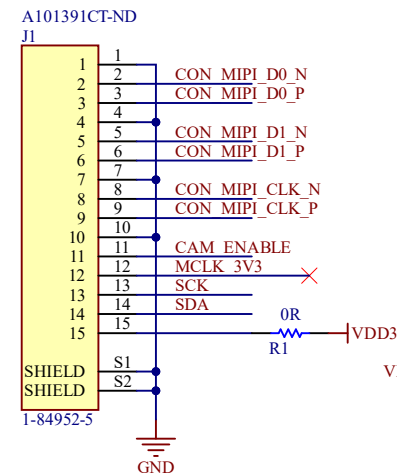
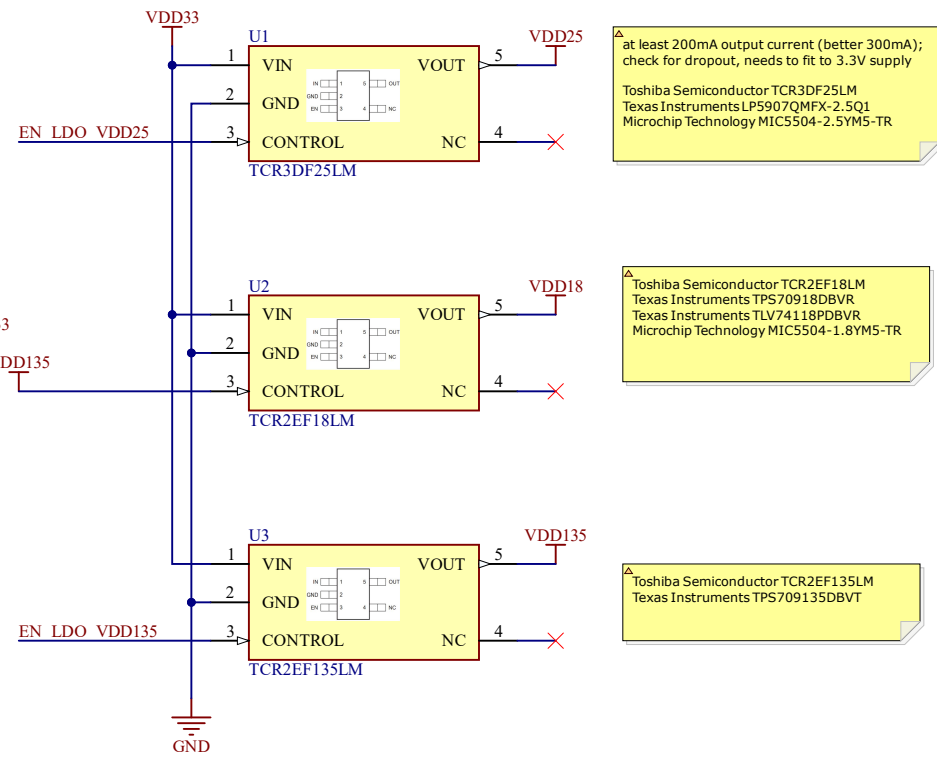


FPC 15pin connector



Local power supplies



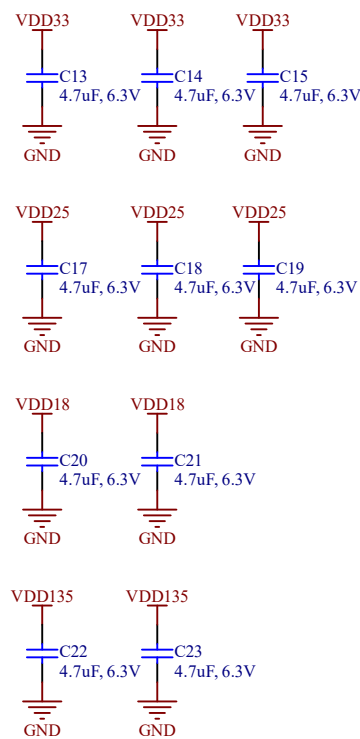
at least 200mA output current (better 300mA);
check for dropout, needs to fit to 3.3V supply

Toshiba Semiconductor TCR3DF25LM
Texas Instruments TPS70918DBVR
Microchip Technology MIC5504-2.5YM5-TR

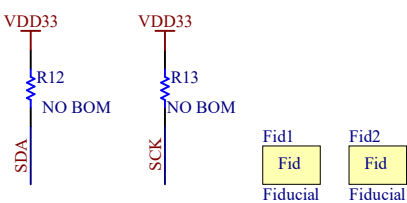
Toshiba Semiconductor TCR2EF18LM
Texas Instruments TPS70918DBVR
Texas Instruments TLV74118PDBVR
Microchip Technology MIC5504-1.8YM5-TR

Toshiba Semiconductor TCR2EF135LM
Texas Instruments TPS709135DBVT

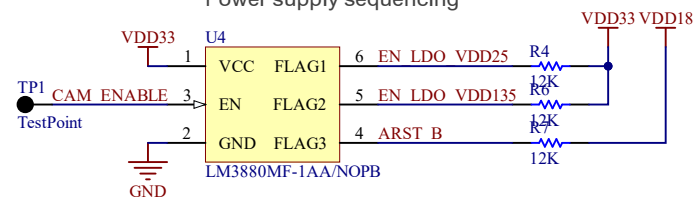
Power supply decoupling



3V3 I2C pullup

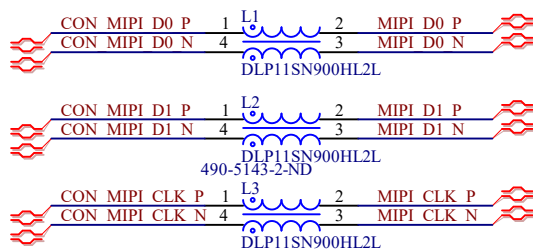


Power supply sequencing

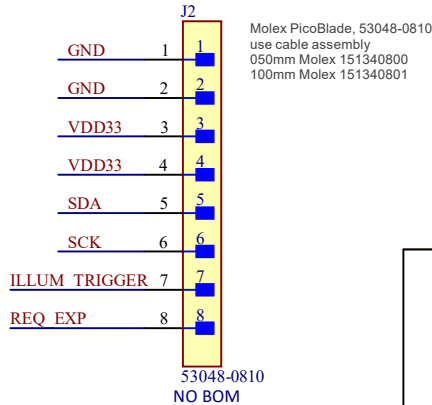


Noise Suppression for MIPI D-PHY

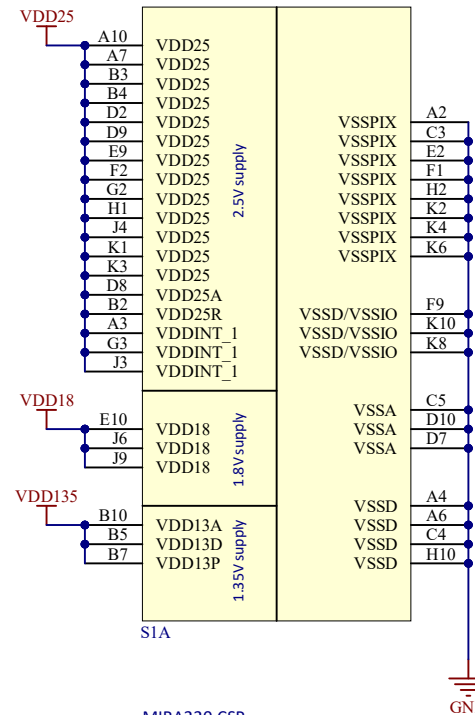
<https://www.murata.com/en-global/products/emc/emifil/library/pickup/mipid-phy>



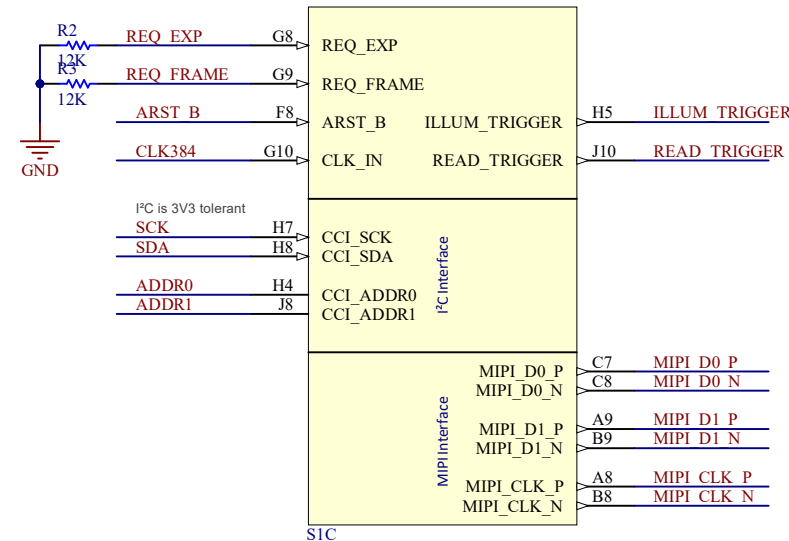
illumination connector



MIRA220 CSP



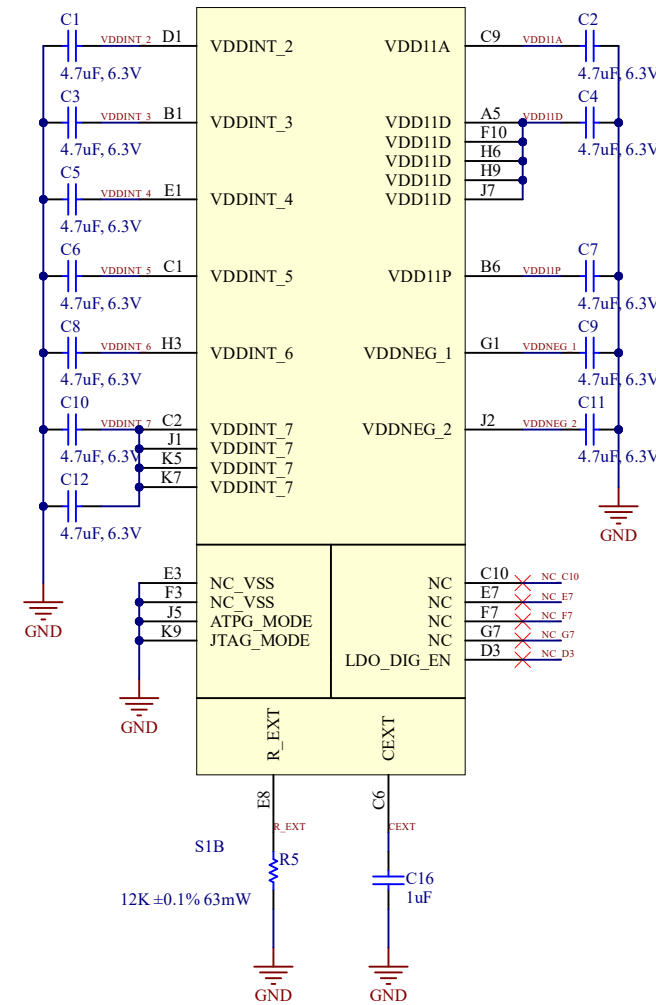
MIRA220 CSP



MIRA220 CSP Reference Design

MIRA220 image sensor

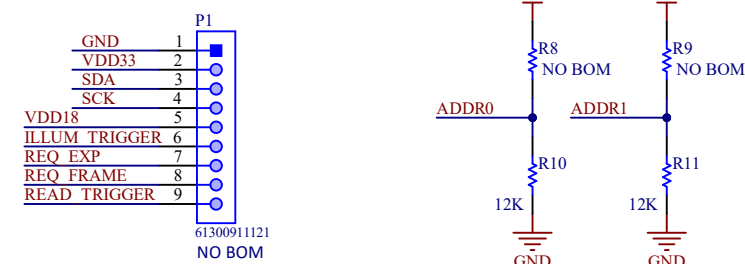
MIRA220 CSP



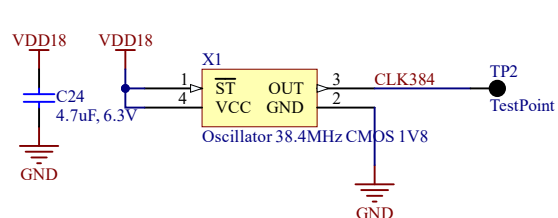
MIRA220 I2C address

device address 0b10101xx
0x54, 0x55, 0x56, 0x57
AND global write address 0x51
default 0b1010100 = 0x54

additional sensor I/O



CLK for MIRA220



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Drawn MKOC	Approved/Checked	Drawing No. *
Title, Comments MIRA220 CSP	Project MIRA220	
Reference Design (for Raspberry Pi)	Rev. 2.2	Date 28-June-2022
	Sheet 1 / 1	