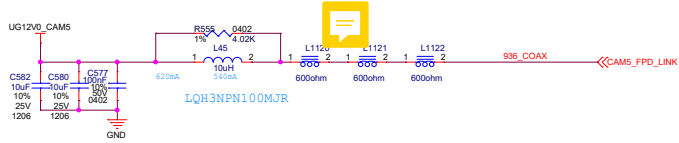
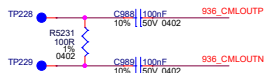
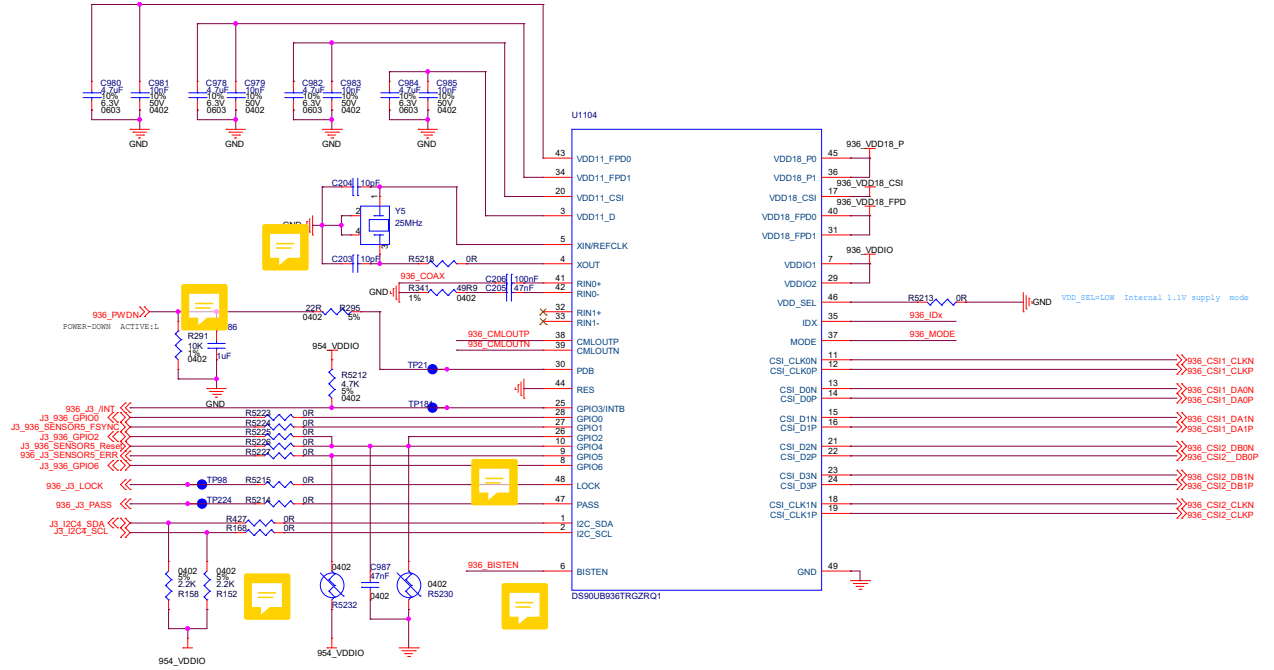
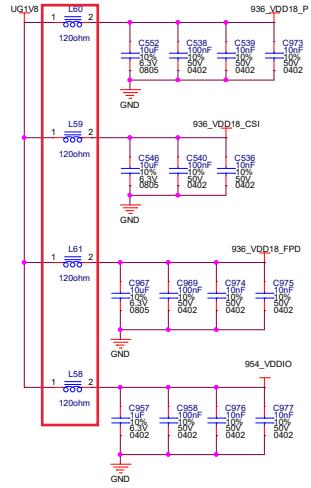


**MODE**

MODE	R (high)	R (low)	MODE
0	OPEN	10K	CSI-2 Mode
1	8K-7K	23.2K	RAW12 LF (DS90UB935 TBD)
2	75K	35.7K	RAW12 HF
3	25.5K	95.3K	RAW12 RF



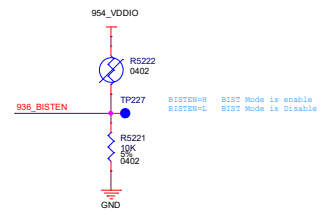
Single End 50ohm impedance

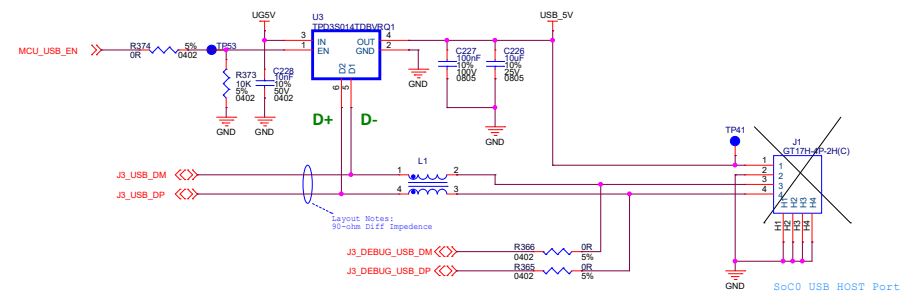


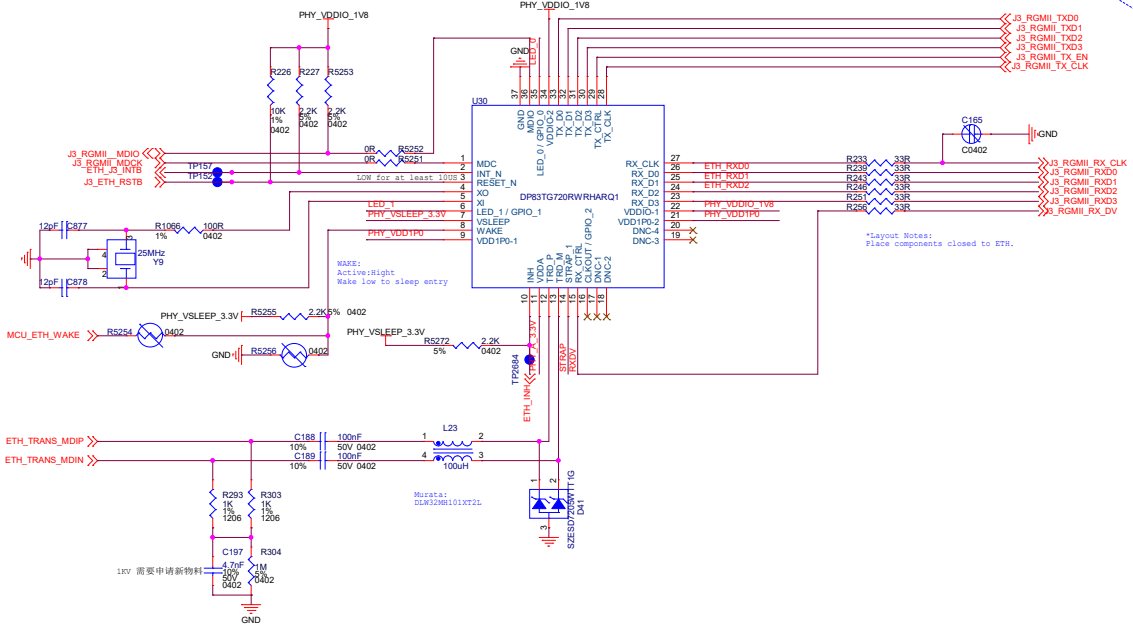
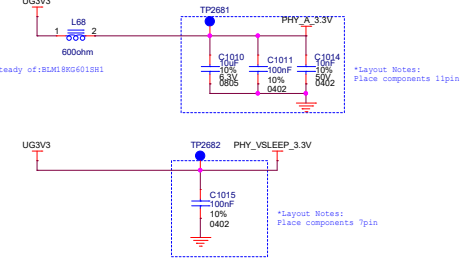
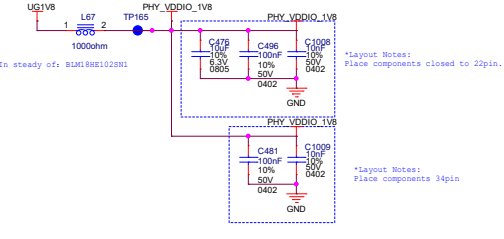
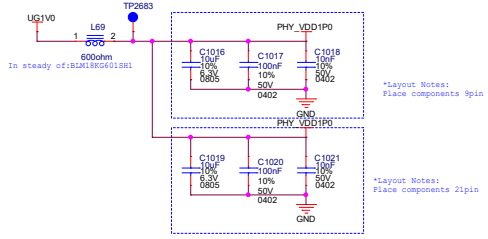
I2C address : 0x3D(7bit)/0x7A(8bit)  
Camera I2C ID: 0xA0/0x63/0x60/0x30

**MODE**

MODE # (high)	R(low)	MODE
0	OPEN	10K BistB= BistM=Synchronous Back channel Mode
1	88.7K	22.2K RAW12 LP (DS90UB935 TBD)
2	10K	OPEN RAW10
6	78.7K	91.6K CSI-2 Synchronous Back channel Mode





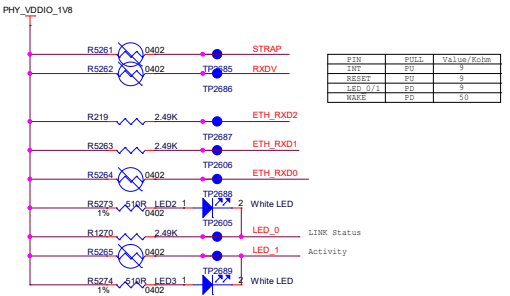


**STRAP CONFIG**

MODE	COMMAND	IDEAL_RR(kohm) for VDDIO=1.8V
1	Recommended 3-level Strap Resistor Ratios	4kohm
3		0.8kohm
1	Recommended 2-level Strap Resistor Ratios	OPEN
2		2.49kohm

**H/W CONFIG**

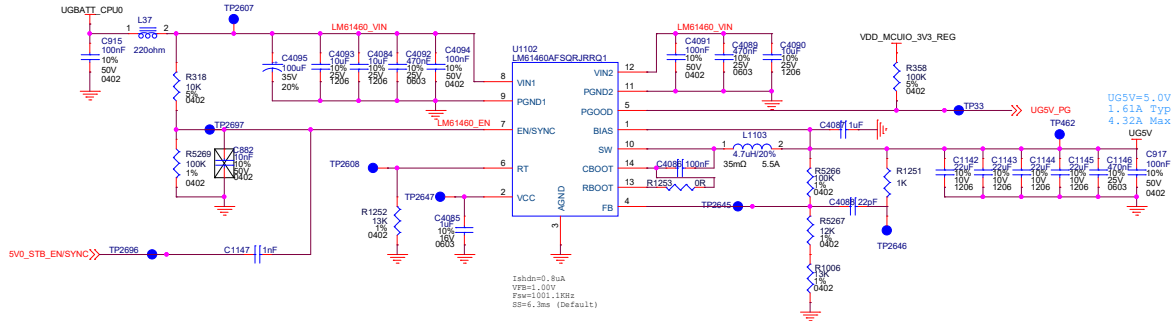
PIN	BOOTSTRAP	MODE	DESCRIPTION
STRAP_1	STRAP MODE	1	PHY Address:0x00000010
STRAP_2	STRAP MODE	1	OPEN
ETH_RXD0	MAC0	1	Normal (TX and RX Shift Mode)
ETH_RXD1	MAC0	2	MAC(0)2:1: 0:1
LED_0	MS_SEL	1	Slave mode
LED_1	/AUTO	2	Autonomous Operation
LED_2		2	Managed



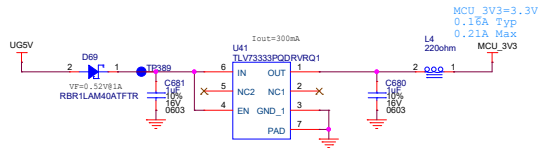
PIN	PHIL	Value/Ohm
STRAP	PD	3
RXDV	PD	3
LED_0/1	PD	50
WAKE	PD	50

- Layout Notes:**
- RXC/TXC/SXD(0:3)/TXD(0:3)
  - Trace length: as short as possible <10.5cm
  - Impedance control: 50-ohm +/-10% single end mode
  - Length mismatch: <100mil for each group
  - Spacing: 3W
  - Ground reference and ground guide
  - Minimum layer change
  - No stub for trace routing
- MDI**
- Trace length: as short as possible
  - Impedance control: 100-ohm +/-10% differential mode
  - Length mismatch: <10mil
  - Spacing: 3W
  - No stub for trace routing

### UG\_5.0V



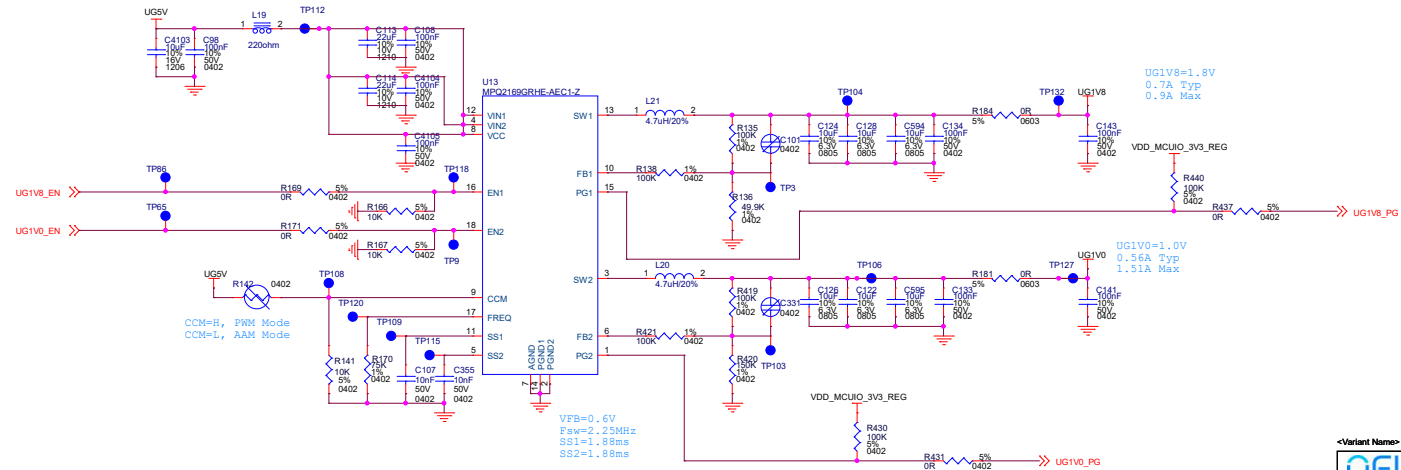
### MCU\_3V3



### VDD\_MCUIO\_3V3\_REG



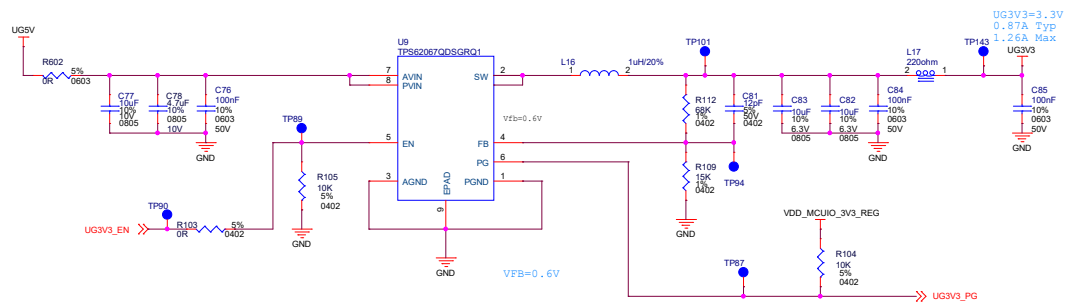
### UG1V8 & UG1V0



<Variant Name>



# UG3V3



# UG1V1

