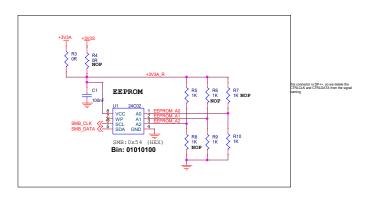
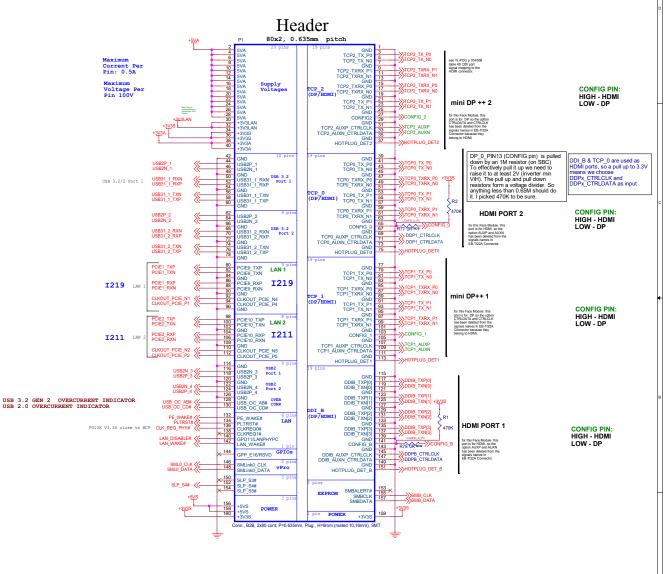
# EB-TI22A

## **Display Interfaces**

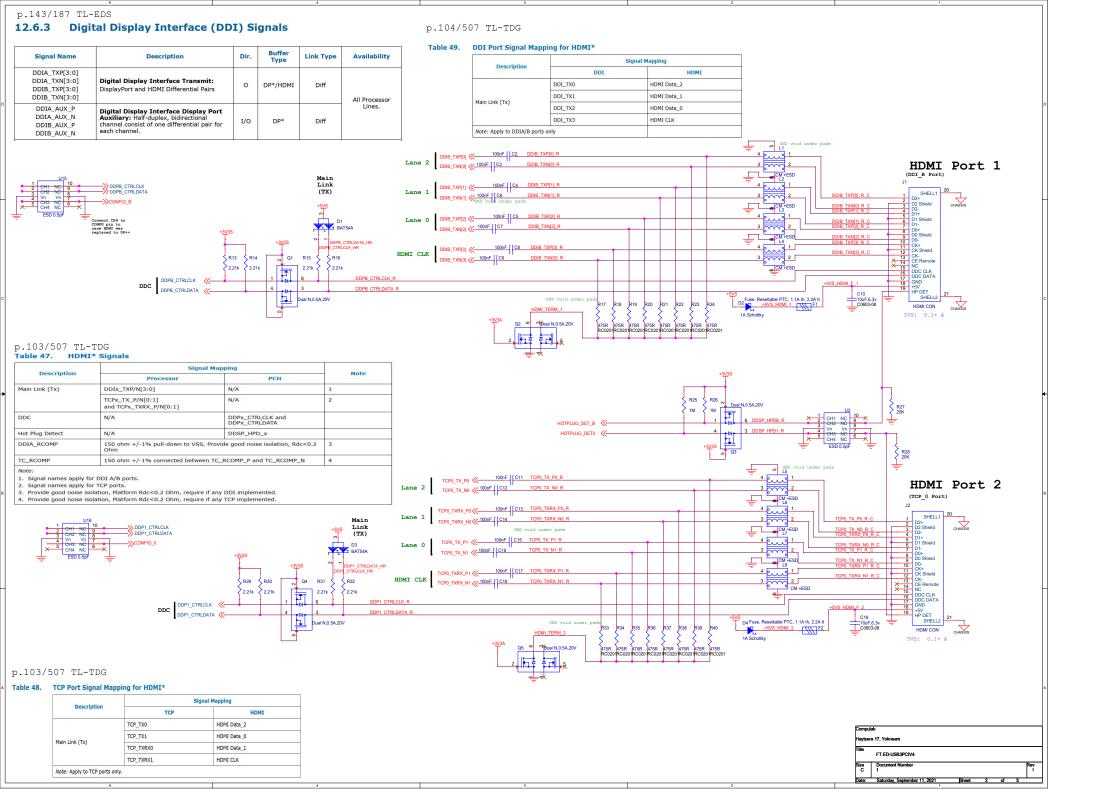
### **DDI Ports Availability**

SKU	UP4 Processor Line	UP3 Processor Line	
DDI A	eDP*/MIPI_0	eDP*/MIPI_0	
DDI B	eDP*/DP*/HDMI*/MIPI_1	eDP*/DP*/HDMI*	
TCP0	DP*/HDMI*	DP*/HDMI*	
TCP1	DP*/HDMI*	DP*/HDMI* DP*/HDMI*	
TCP2	DP*/HDMI*		
TCP3	N/A	DP*/HDMI*	





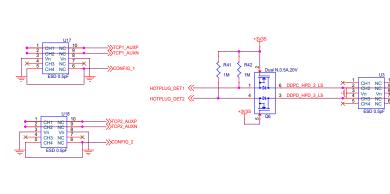




p.96/507 TL-PDG

Table 39. TCP Port Signal Mapping For DisplayPort\*

Description	Signal Mapping		
	DDI	DP++	
	TCP_TX0	DP Lane_0	
Material (Tell (Tell)	TCP_TX1	DP Lane_2	
Main Link (Tx)	TCP_TXRX0	DP Lane_1	
	TCP_TXRX1	DP Lane_3	



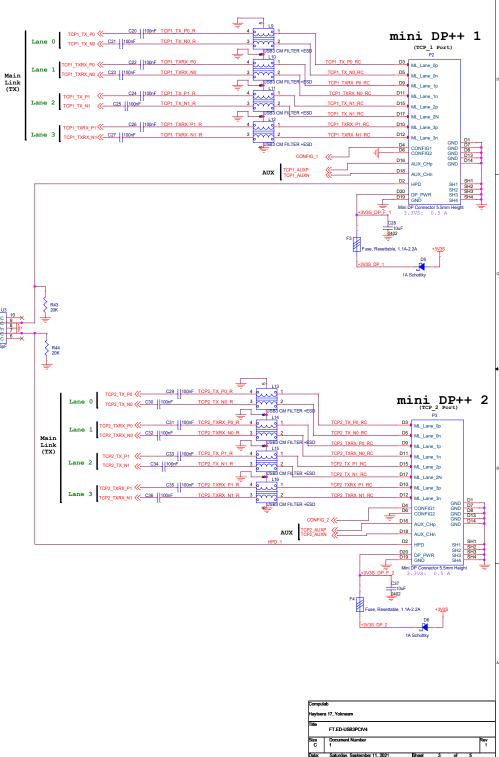
p.95/507 TL-PDG

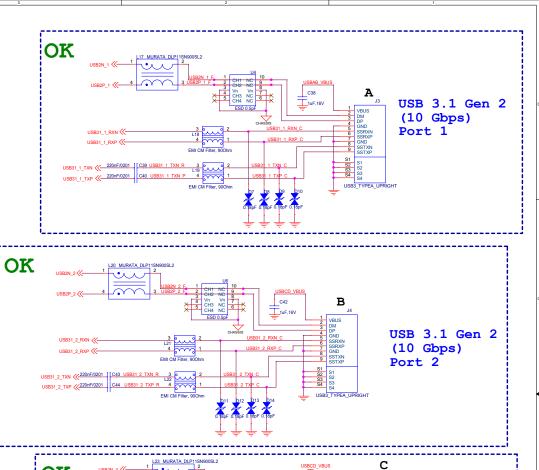
# Table 38. DisplayPort\* Signals

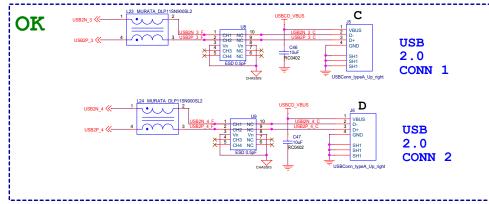
Description	Signal Mapping				
	Tiger Lake Processor	Tiger Lake PCH	CRB DisplayPort* Mapping	Note	
Main Link (Tx)	DDIx_TXP/N[3:0]	N/A	N/A	1	
	TCPx_TX_P/N[1:0] and TCPx_TXRX_P/N[1:0]	N/A	N/A	2	
Aux Channel	DDIx_AUXP/N	N/A	N/A	1	
	TCPx_AUX_P/N	N/A	N/A	2	
Hot Plug Detect	N/A	DDSP_HPD_x	N/A		
DISP_UTILS	Recommend 50 ohm nominal trace impedance. Requires level shifting on the platform.				
DDIA_RCOMP	150 ohm +/-1% pull-down to VSS				
TC_RCOMP	150 ohm +/-1% connected between TC_RCOMP_P and TC_RCOMP_N				

### Note:

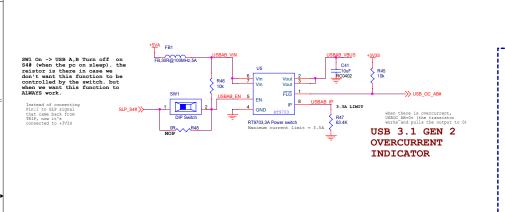
- 1. Signals names apply for DDI A/B ports.
- Signals names apply for TCP ports.
- 3. Provide good noise isolation, Platform Rdc<0.2 Ohm, require if any DDI implemented.
- 4. Provide good noise isolation, Platform Rdc<0.2 Ohm, require if any TCP implemented.







FT.ED-USB3PCIV4



ok

C45 10uF

R49 10k

an IP pin is offered for current limit point setting, a resistor from IP to ground sets the current limit for the switch.

INDICATOR

USB 2.0 OVERCURRENT

+5VA FB2 **ok** FB,30R@100MHz,5A

DIP Switch

NOP R52

ok

SWI On -> USB C,D Turn off on S4# (when the pc on sleep). the reistor is there in case we don't want this function to be controlled by the switch. but when we want this function to ALWAYS work.

