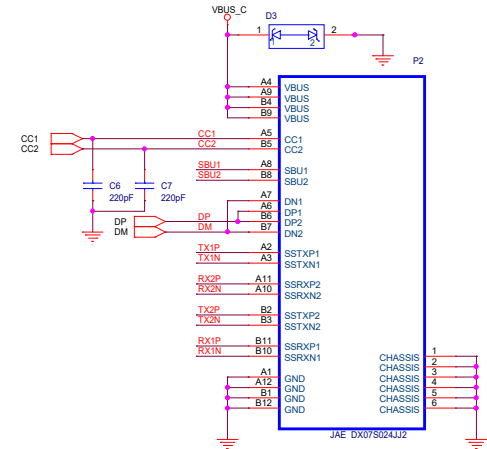
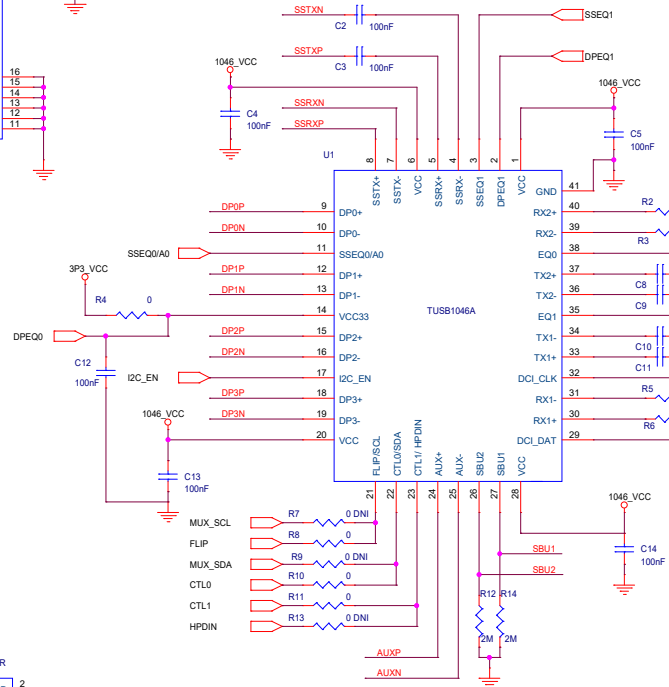
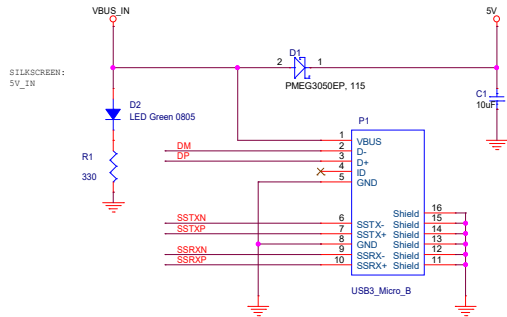
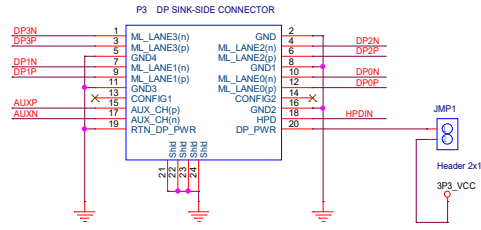


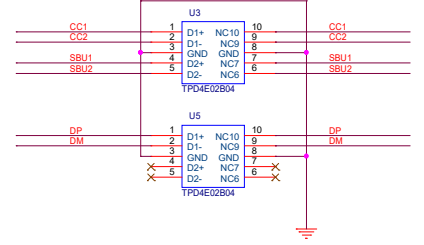
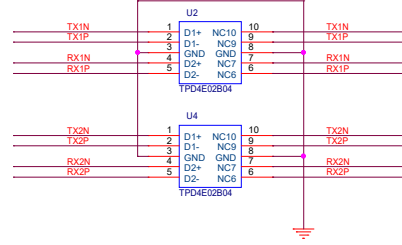
USB Host Connection



DisplayPort Source Connection

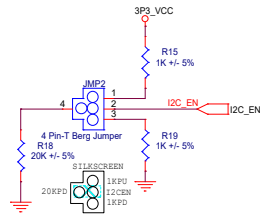


DP Power

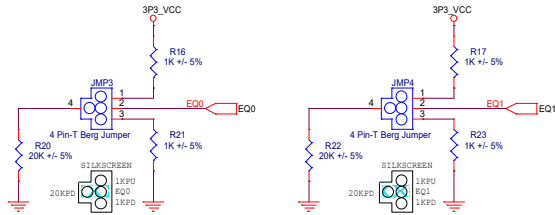


Title			TUSB1046A
Size	Document Number	Rev D	
C	INT053		
Date	Thursday, August 29, 2024	Sheet	1 of 5

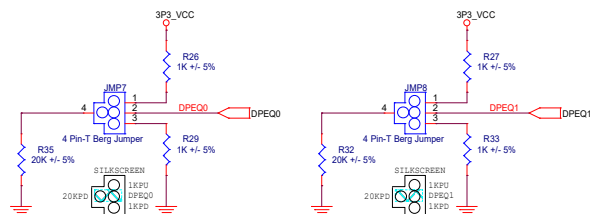
I2C_EN Header Config



Downstream USB EQ Config

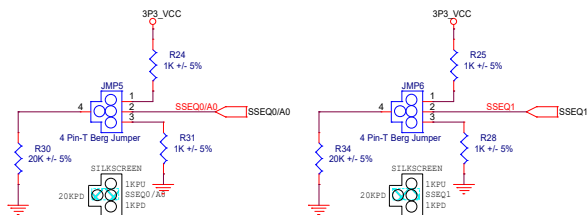


DisplayPort EQ Config

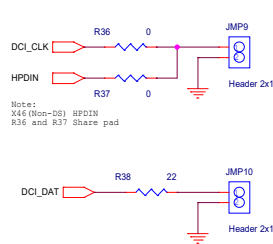


Note: DPEQ0 for TUSBx46 BOM Option only

Upstream USB EQ Config

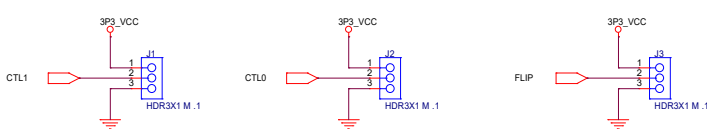


DCI Interface

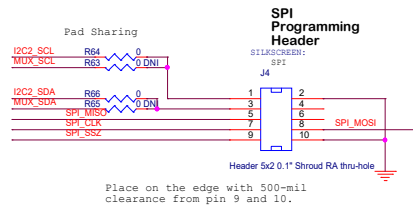
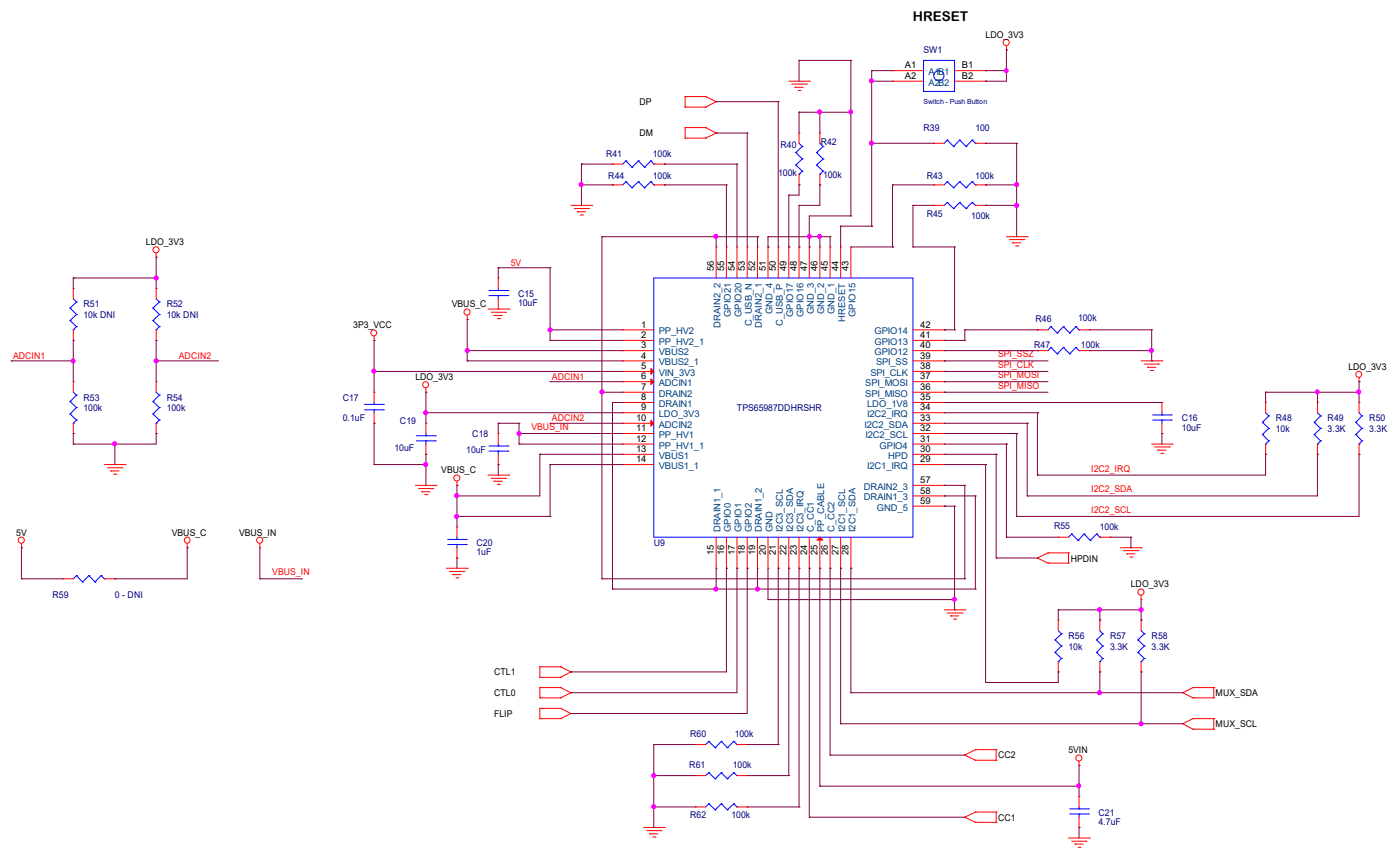


Note:
X46 (Mon-D8) HPDIN
R36 and R37 Share pad

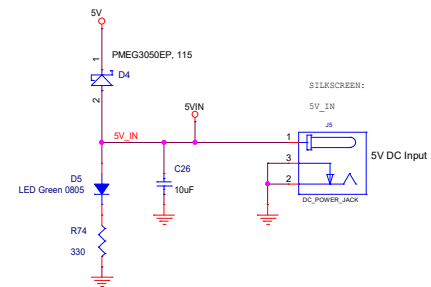
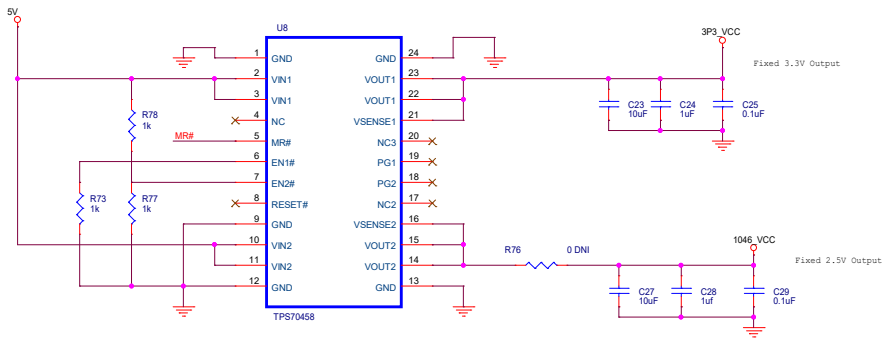
GPIO CONFIG Control



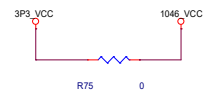
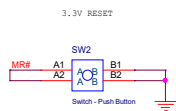
CTL1	CTL0	FLIP	Mux Operation
LOW	LOW	LOW	POWER DOWN
LOW	LOW	HIGH	POWER DOWN
LOW	HIGH	LOW	One Port USB3.1 No FLIP
LOW	HIGH	HIGH	One Port USB3.1 With FLIP
HIGH	LOW	LOW	4 Lane DP No FLIP
HIGH	LOW	HIGH	4 Lane DP With FLIP
HIGH	HIGH	LOW	1 Port USB3.1 + 2 Lane DP No FLIP
HIGH	HIGH	HIGH	1 Port USB3.1 + 2 Lane DP With FLIP



Title			TPS65987
Size	Document Number	Rev	
C	INT053	D	
Date	Thursday, August 29, 2024	Sheet	3 of 5



External 5V required for DP Alt-Mode



De-populate R75, R78 and populate R76 for DS.

LB1



LB1:
INT053-001 = TUSB1046EVM

Mounting Hole Mounting Hole Mounting Hole Mounting Hole



SCRW1



SCRW2



SCRW3



SCRW4



PCB1



INT053

STDOFF1



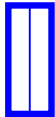
STDOFF2



STDOFF3



STDOFF4



SHNT1



SHNT2



SHNT3



SHNT4



SHNT5



SHNT6



SHNT7



PCB LOGO
Texas Instruments

PCB LOGO
ESD1

PCB LOGO
FCC Disclaimer

PCB LOGO
CE LOGO

PCB LOGO
WEEE LOGO

Title		
Hardware		
Size A	Document Number INT053	Rev D
Date:	Thursday, August 29, 2024	Sheet 5 of 5