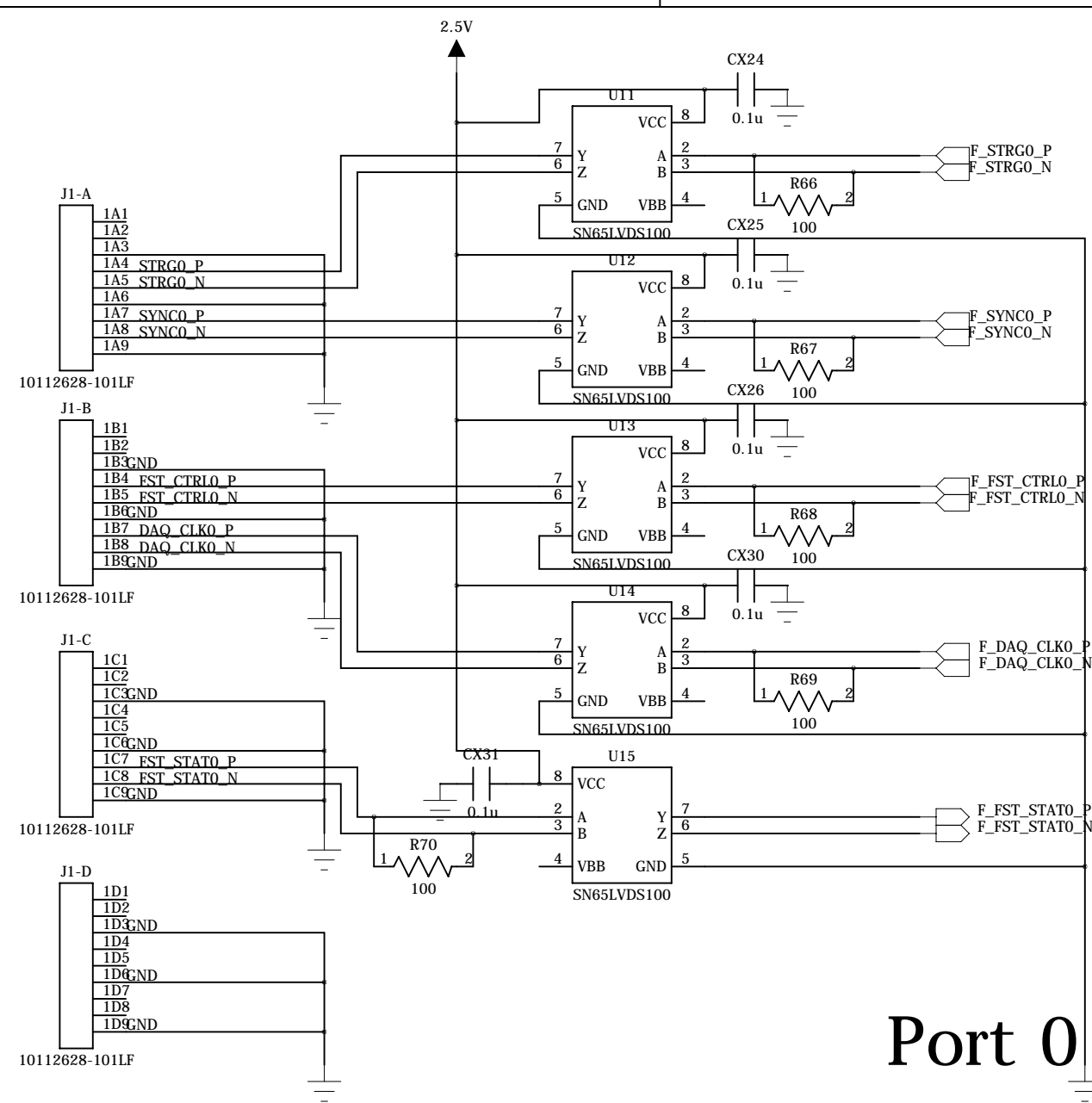
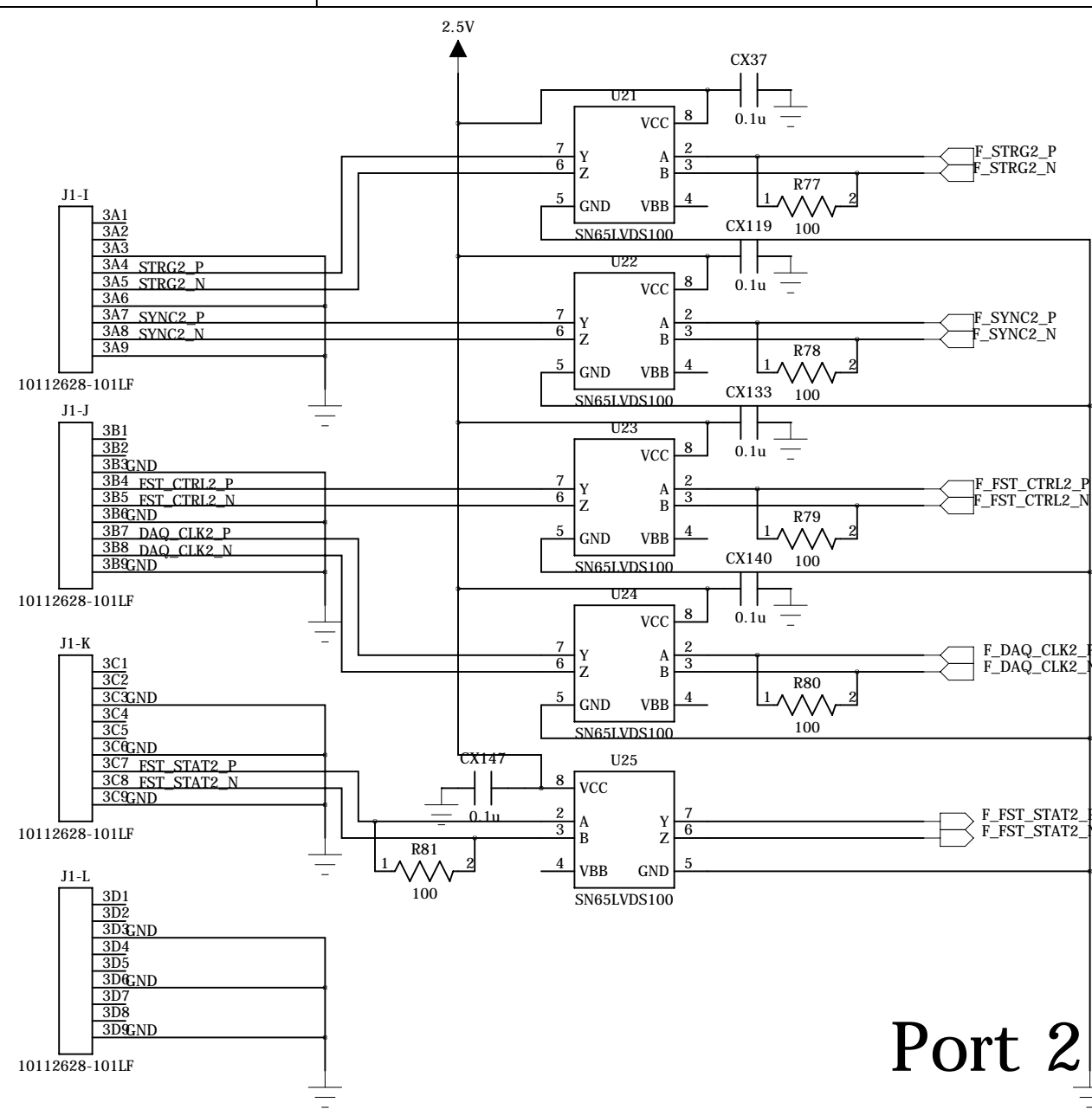




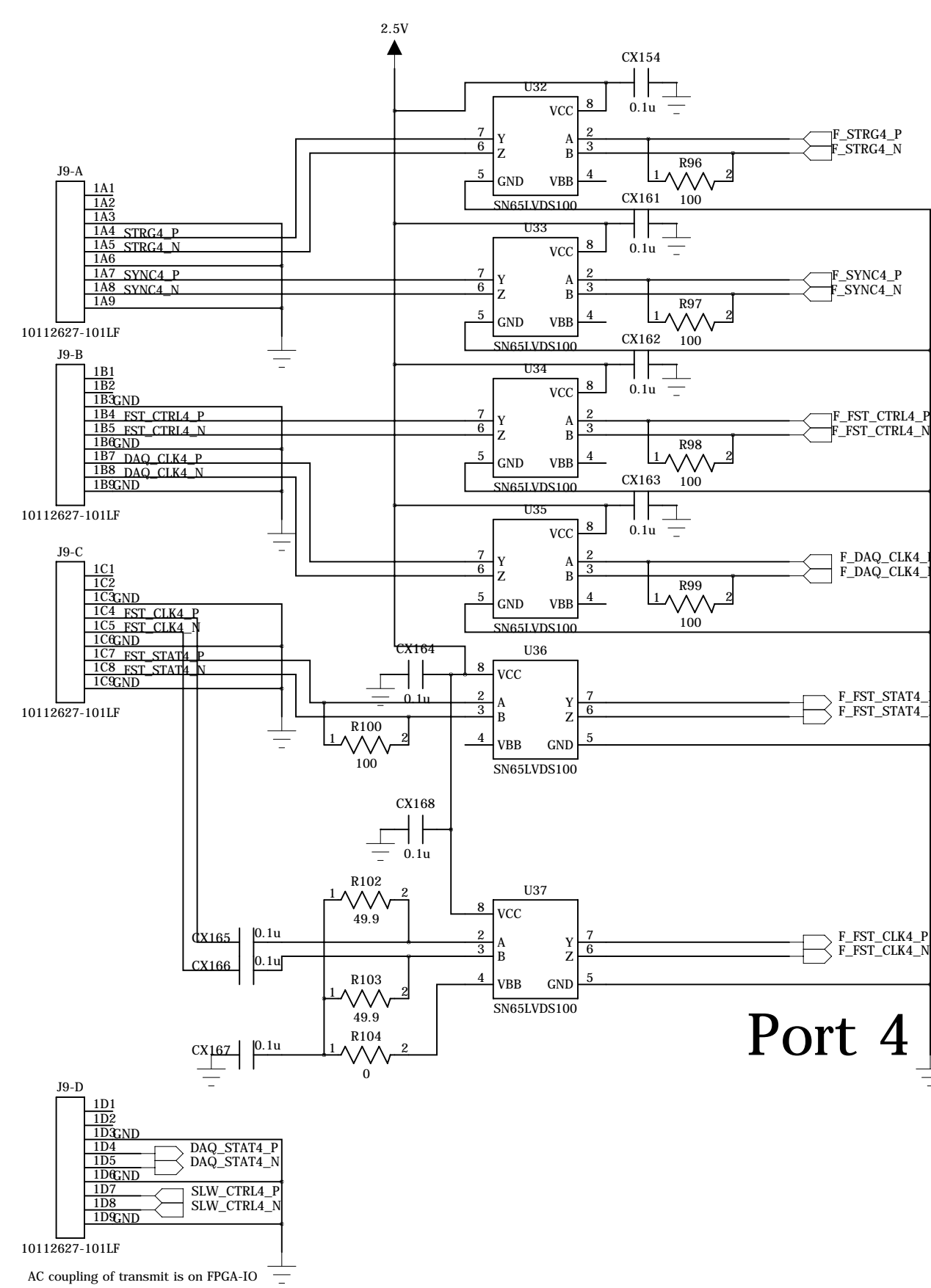
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



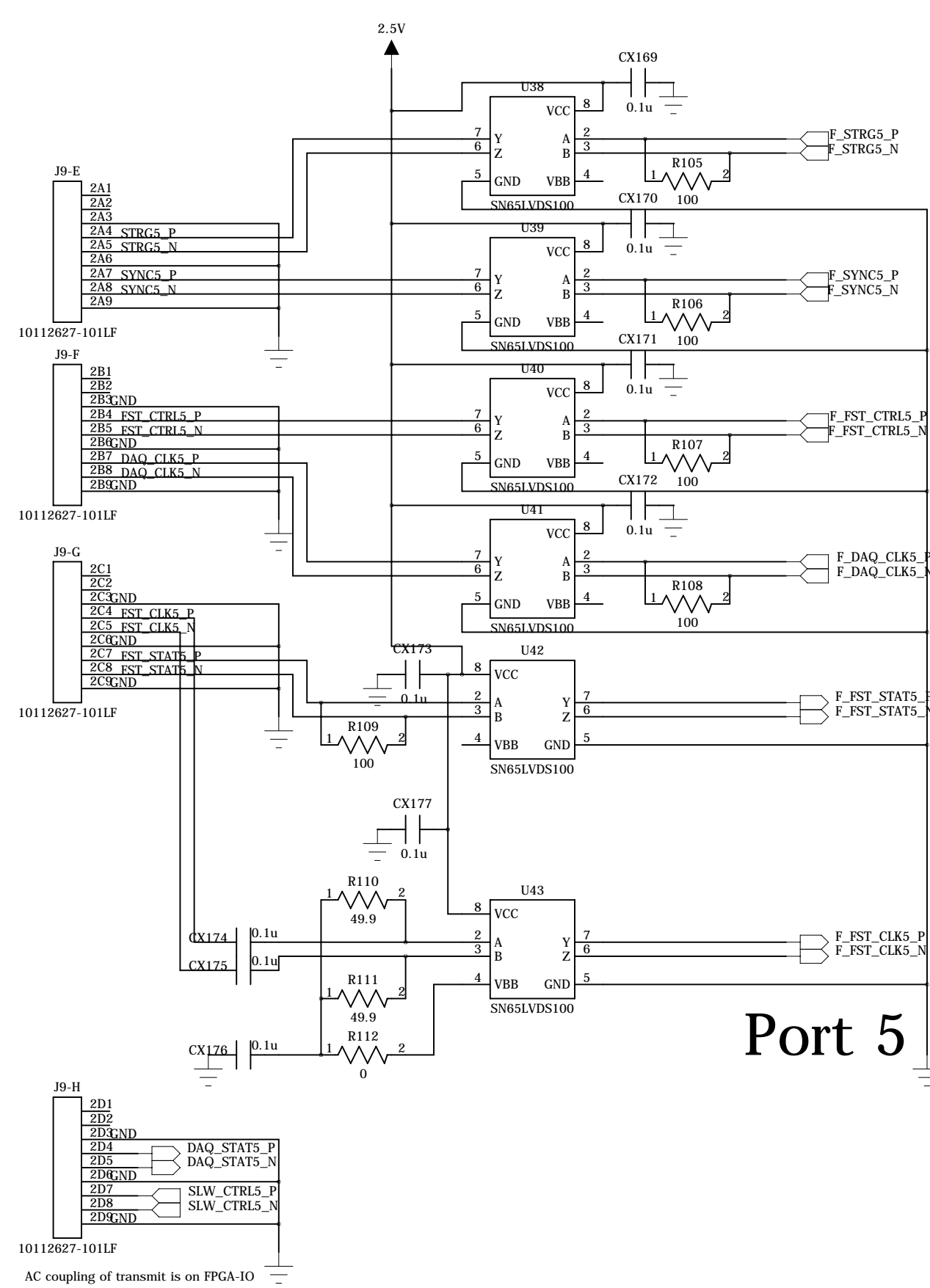
## Port 0



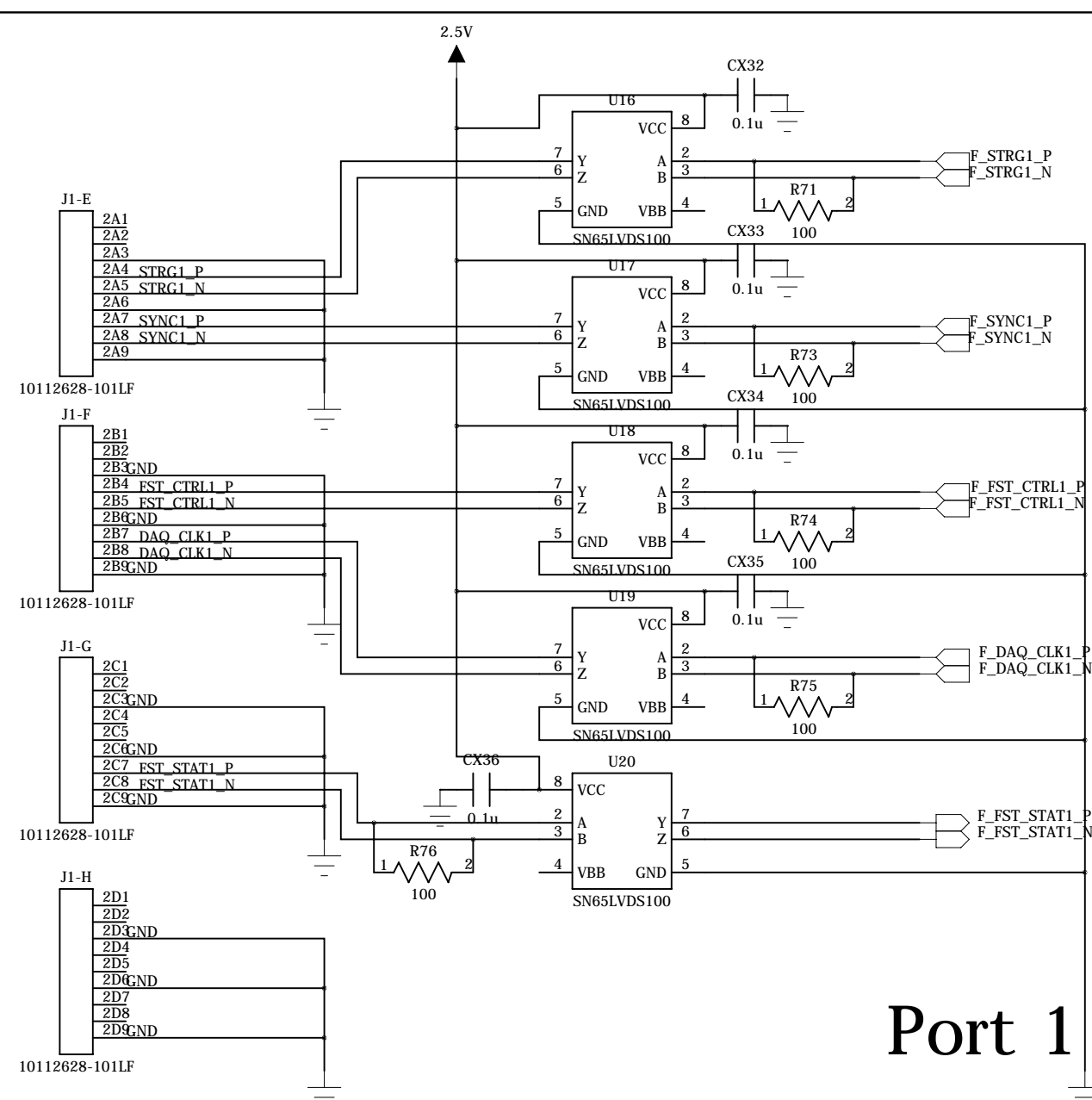
## Port 2



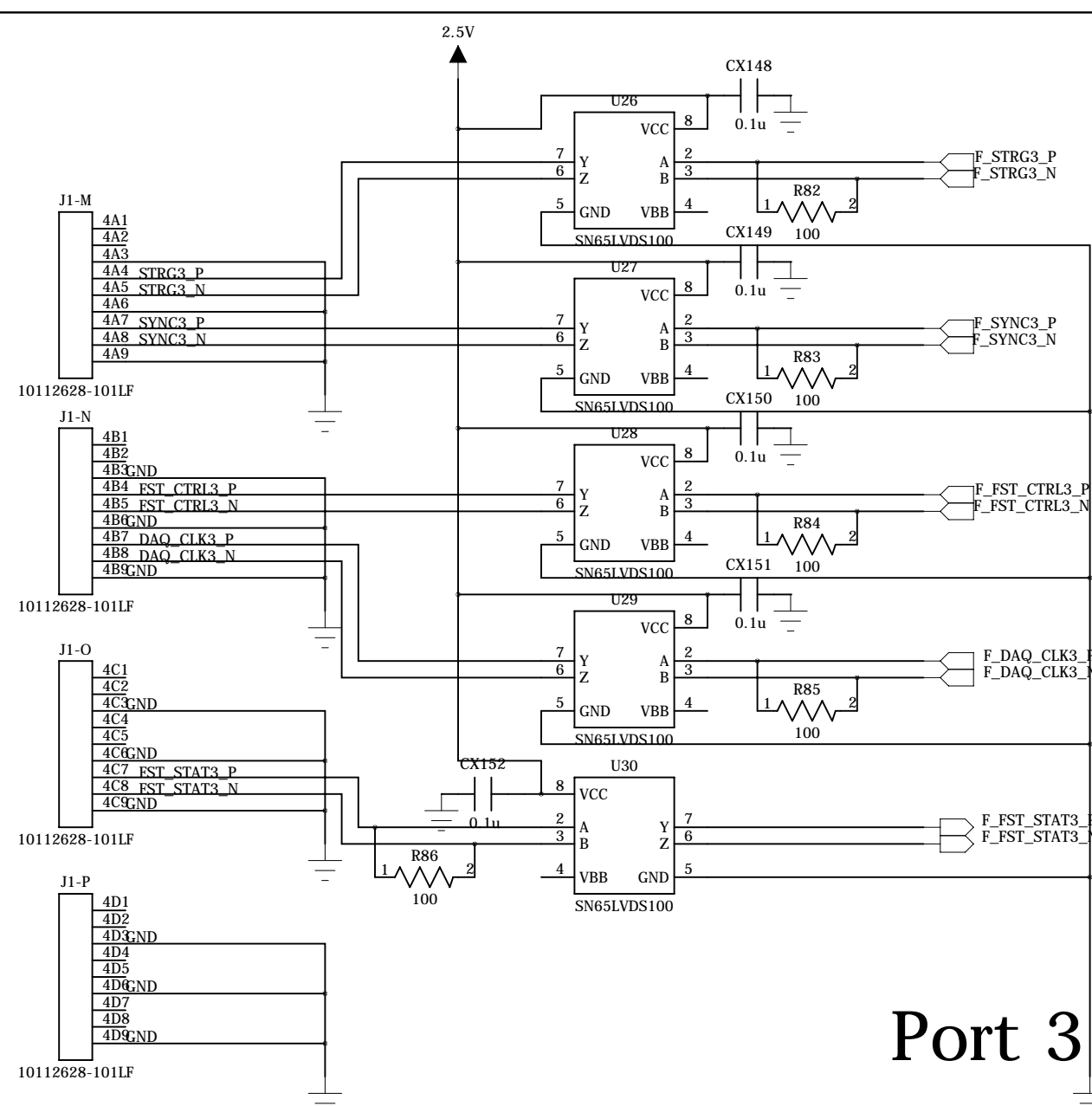
## Port 4



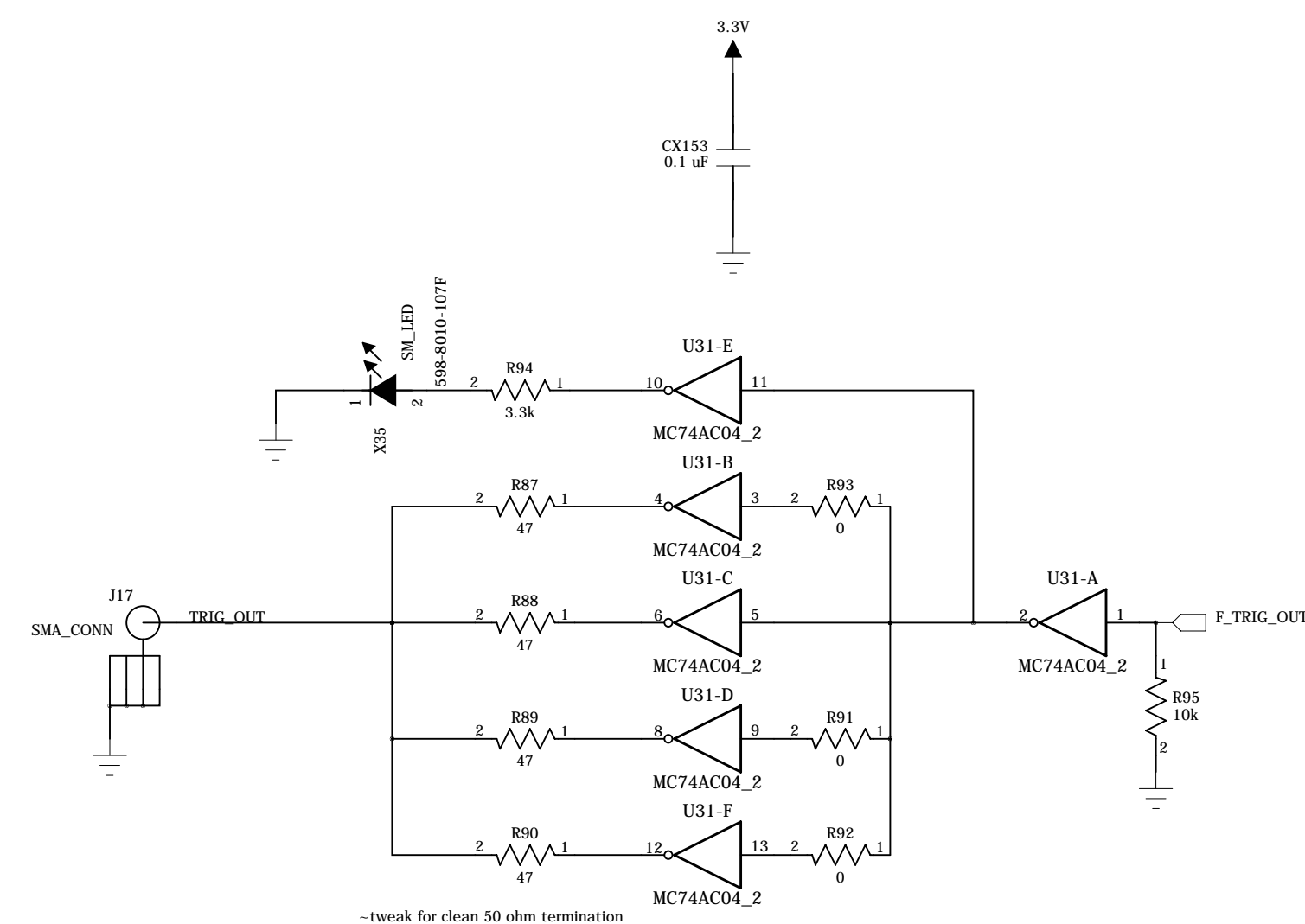
## Port 5



## Port 1

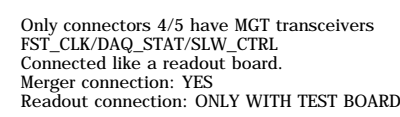


## Port 3



-tweak for clean 50 ohm termination

## External Trigger Output



COMPANY:		Ohio State University		
TITLE:		HELIX Master Trigger [HELIX MTRIG]		
CODE:	SIZE:	SHEET:	REV:	
D	TRIGGER_OUT		1	
SCALE: 1:1		SHEET: 1 of 7		

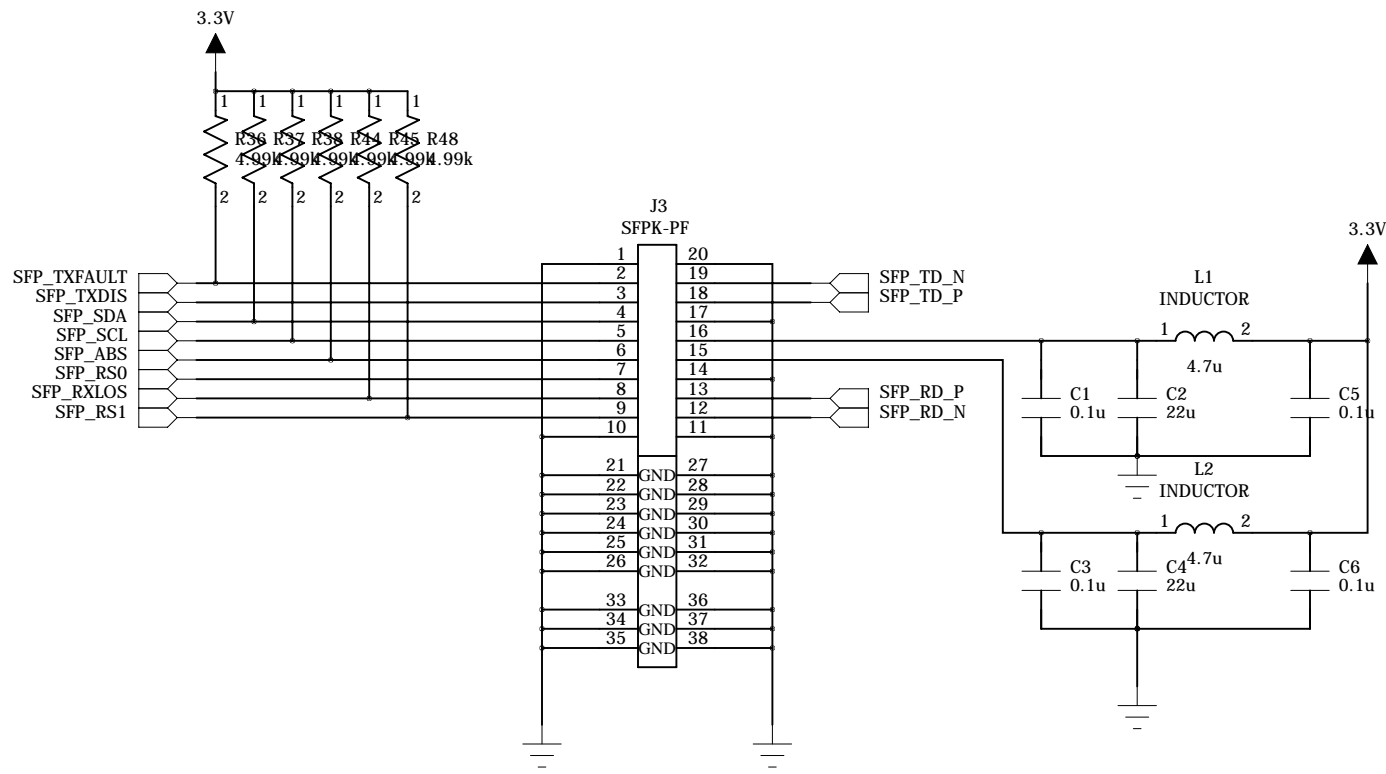
A

B

A



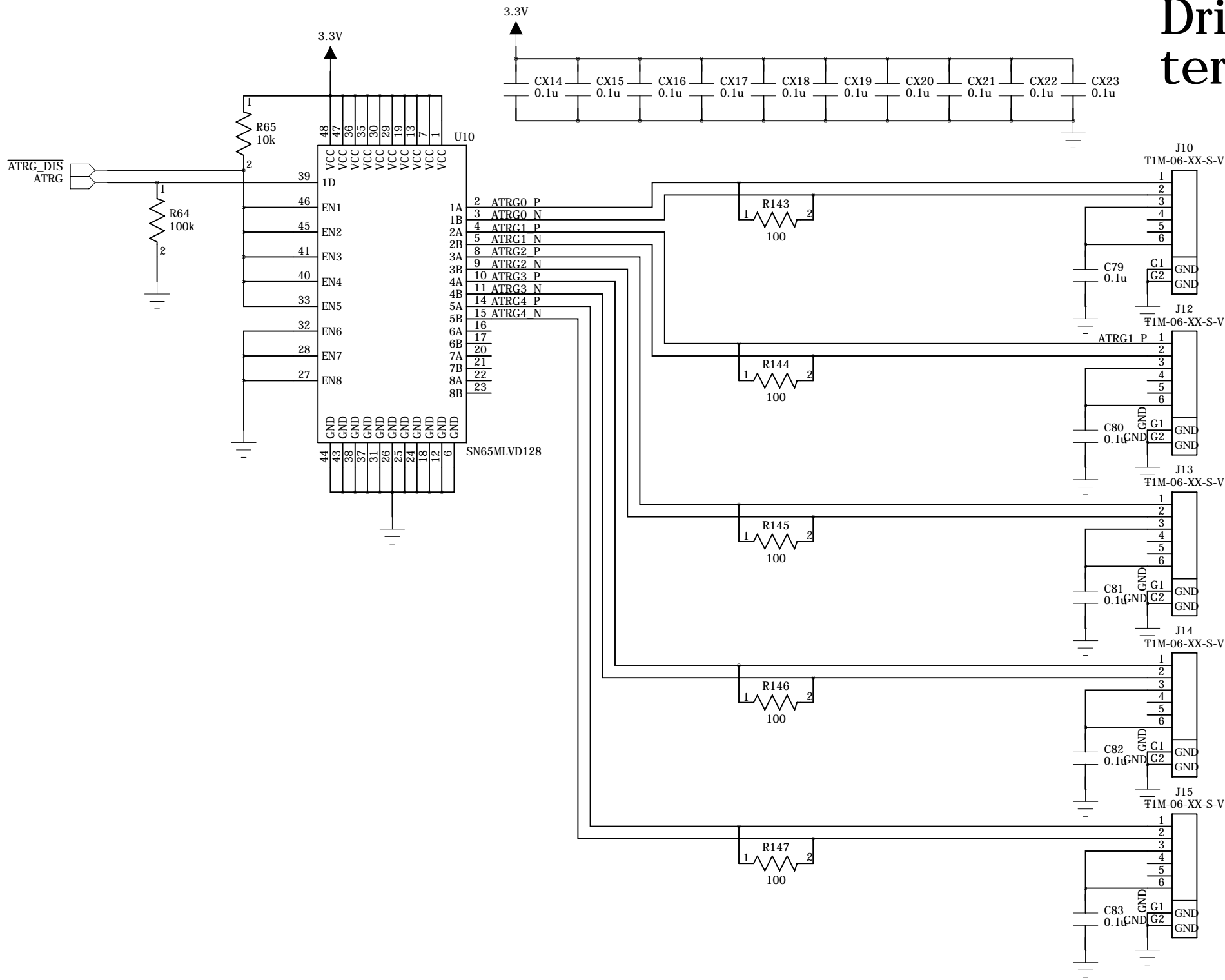
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



COMPANY: Ohio State University			
TITLE: HELIX Master Trigger [HELIX MTRIG]			
CODE:	SIZE: D	SHEET: SFP	REV: 1
SCALE: 1:1		SHEET: 3 of 7	

DRAWN: PSA	DATED: 6/13/18
CHECKED: <Checked By>	DATED: <Checked Date>
QUALITY CONTROL: <QC By>	DATED: <QC Date>
RELEASED: <Released By>	DATED: <Release Date>

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



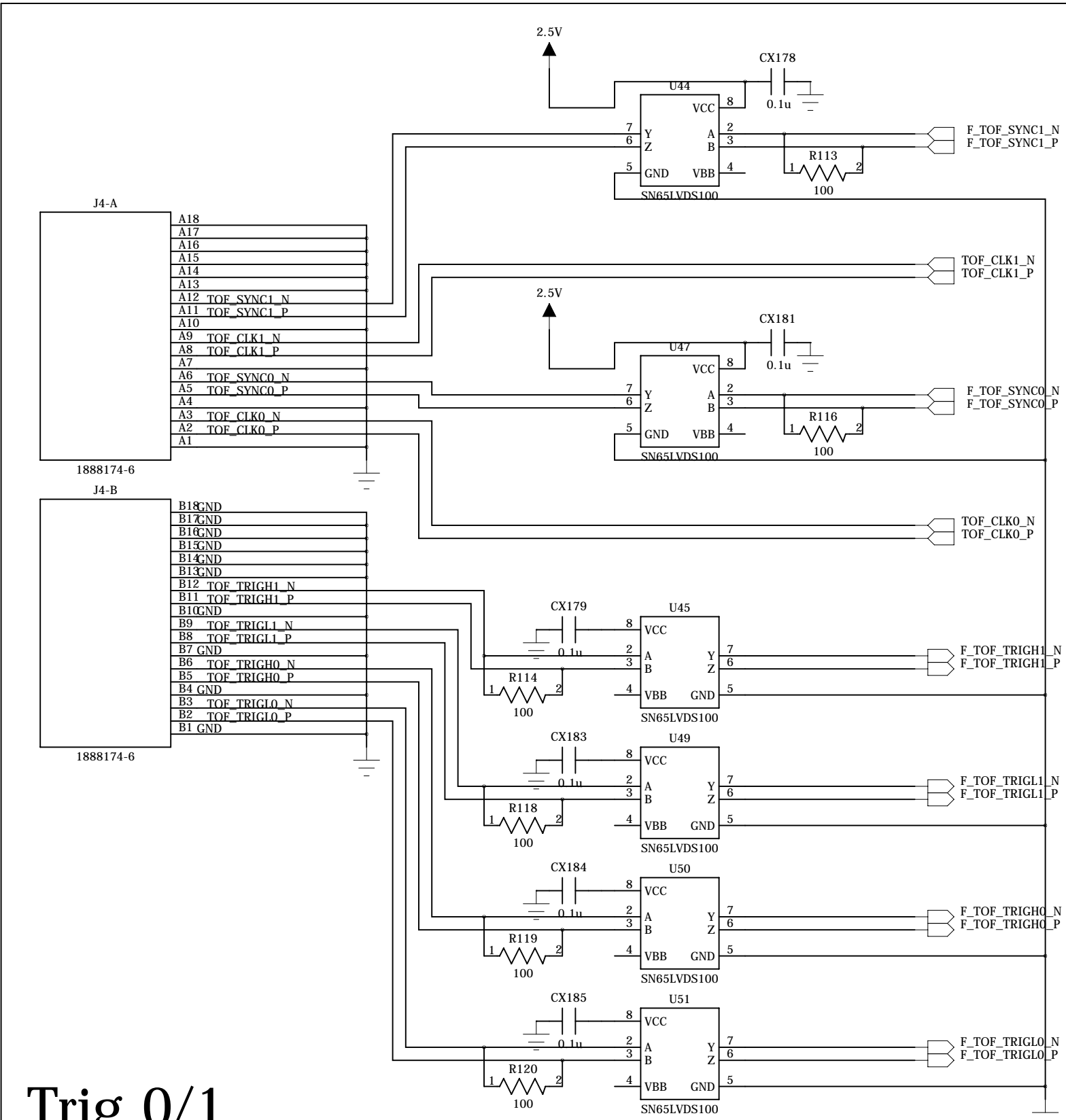
Drive only pins 1/2  
terminate 100 ohms at beginning/end to meet LVDS spec

COMPANY: Ohio State University			
TITLE: HELIX Master Trigger [HELIX MTRIG]			
DRAWN: PSA	DATED: 6/13/18	CODE:	SIZE: D
CHECKED: <Checked By>	DATED: <Checked Date>	SHEET: ATRG	REV: 1
QUALITY CONTROL: <QC By>	DATED: <QC Date>	SCALE: 1:1	
RELEASED: <Released By>	DATED: <Release Date>	SHEET: 4 of 7	



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

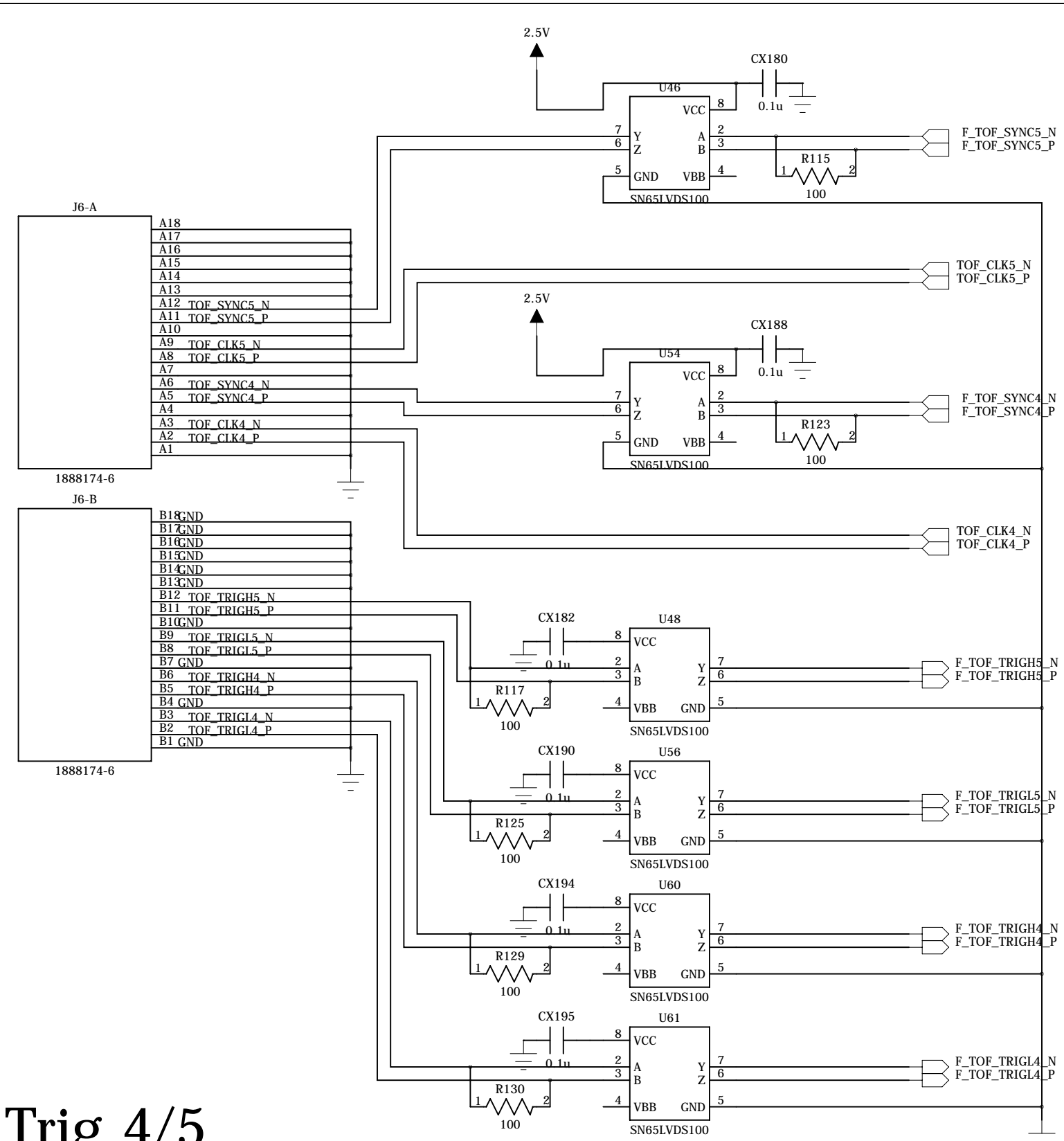
D



Trig 0/1

C

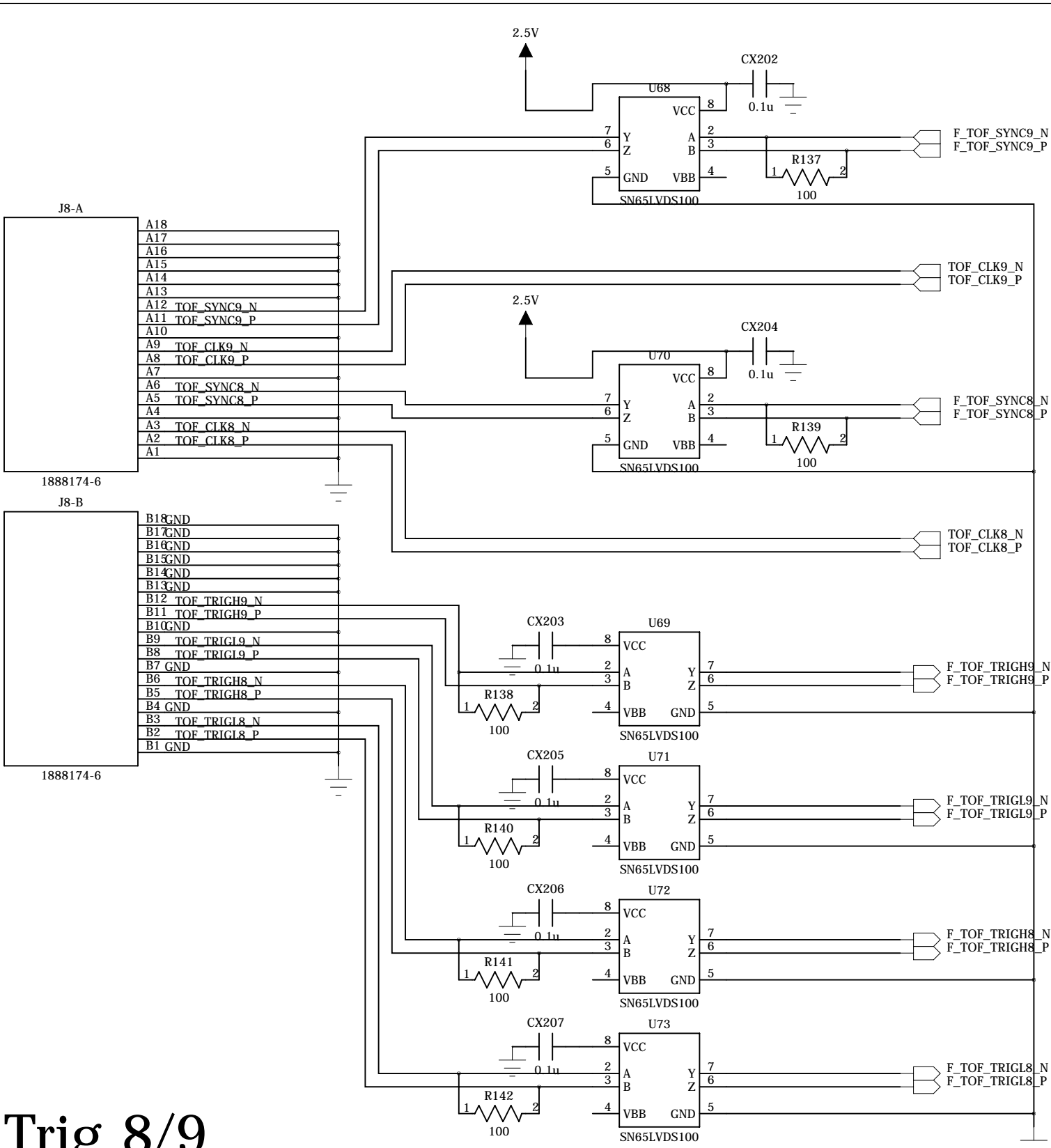
D



Trig 4/5

C

D



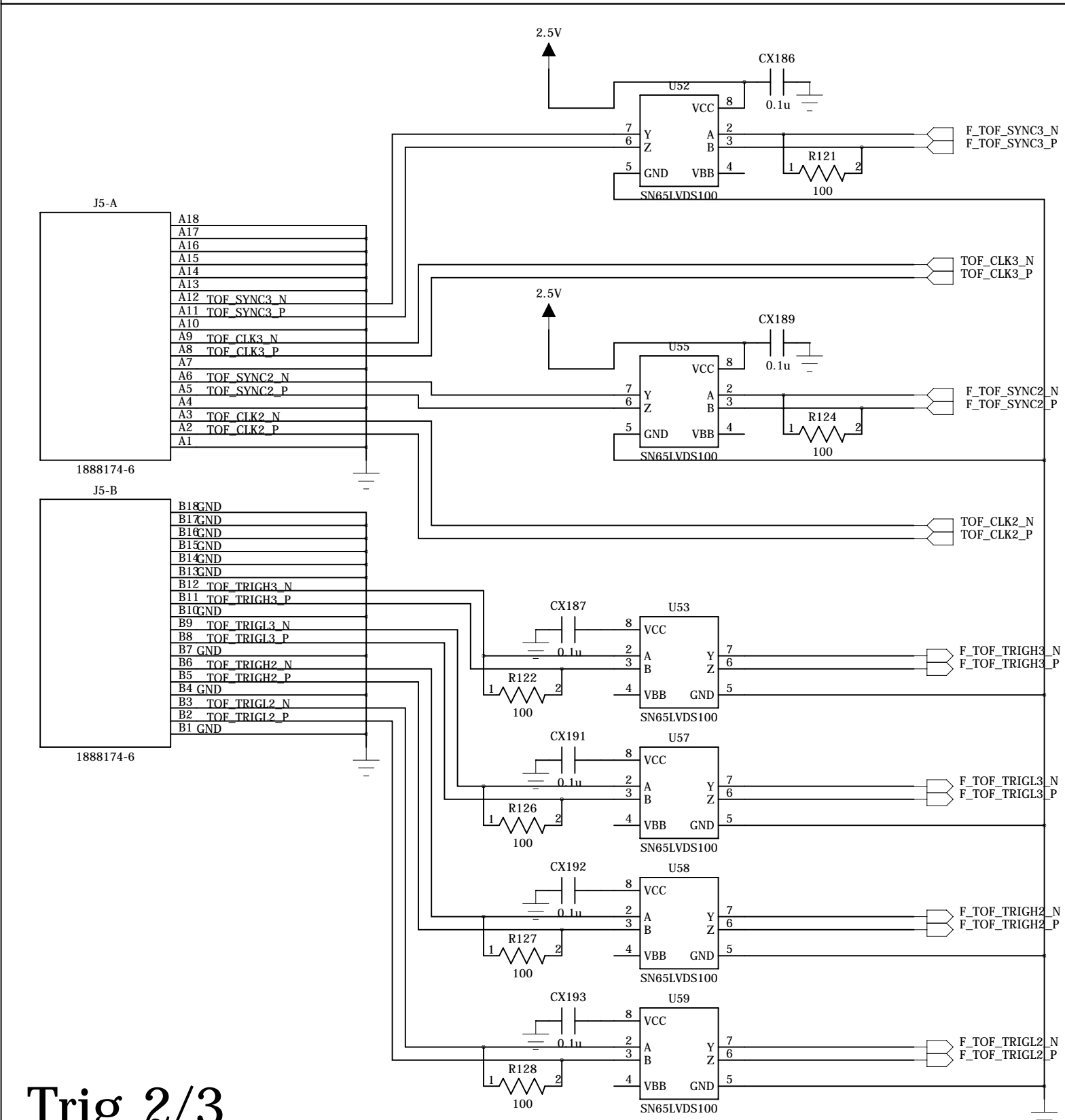
Trig 8/9

C

Trig 8 is nominally bore paddle  
Indicated by single panel-mount (others are dual)

All clocks are straight from clock fanout

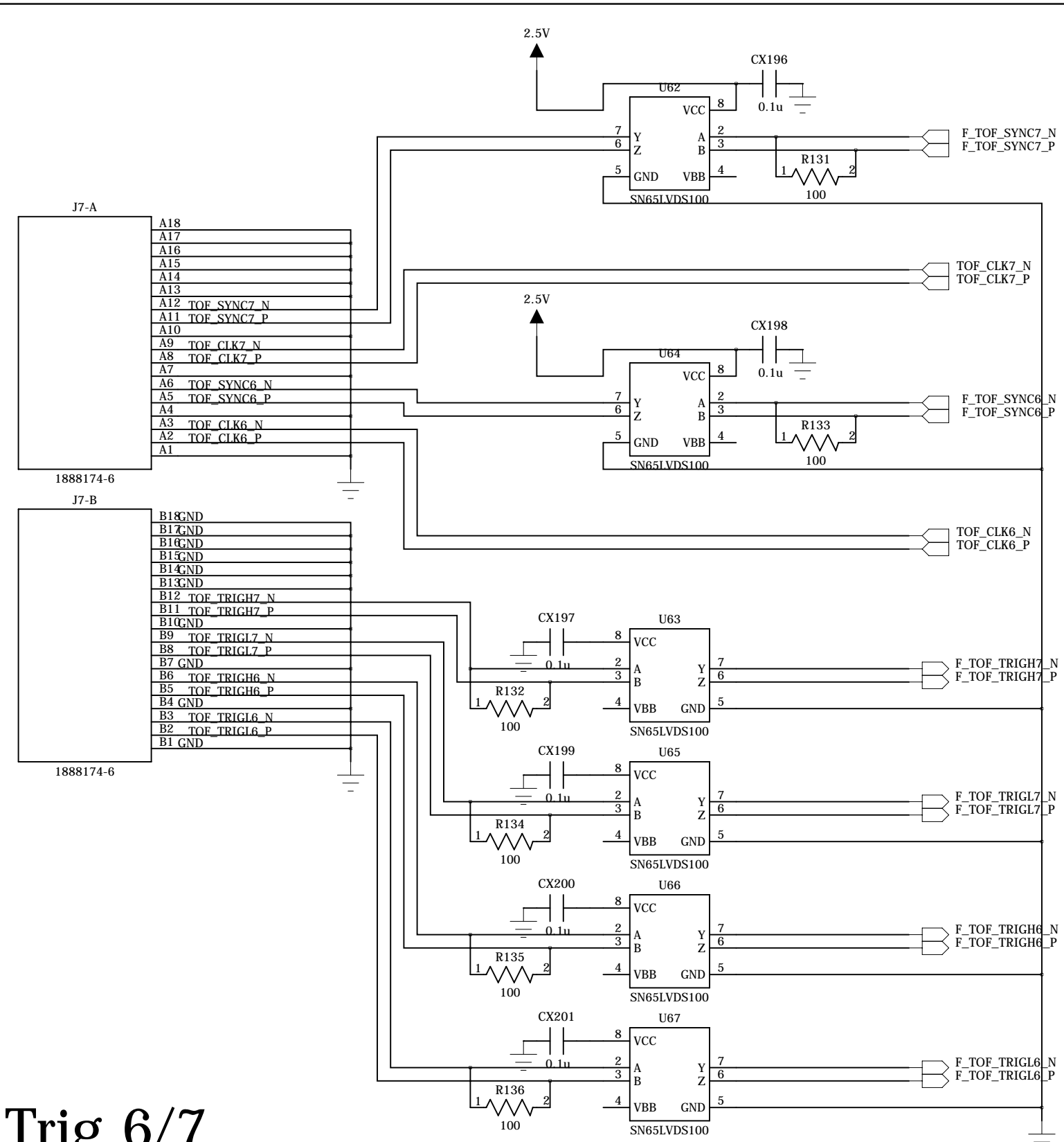
B



Trig 2/3

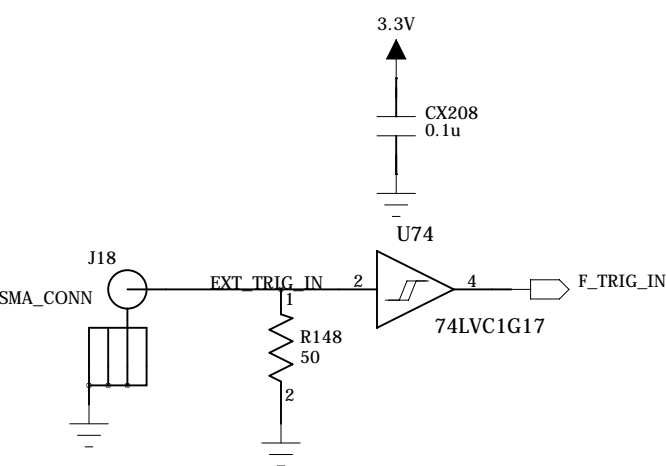
A

B



Trig 6/7

A



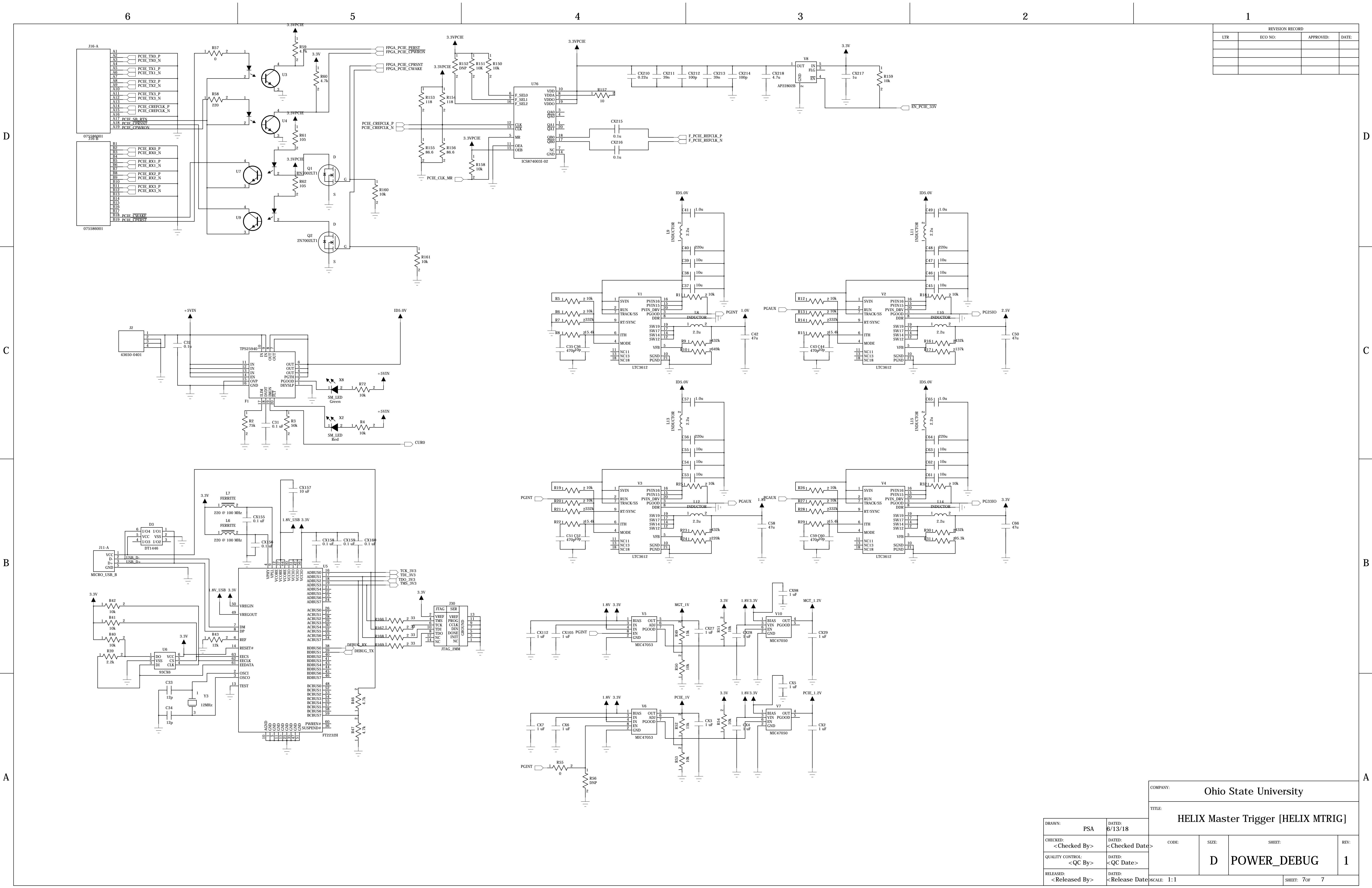
D

C

B

A

COMPANY: Ohio State University			
TITLE: HELIX Master Trigger [HELIX MTRIG]			
DRAWN: PSA	DATED: 6/13/18	CODE:	SIZE:
CHECKED: <Checked By>	DATED: <Checked Date>	SHEET: D	TRIGGER_IN
QUALITY CONTROL: <QC By>	DATED: <QC Date>	1	
RELEASED: <Released By>	DATED: <Release Date>	SCALE: 1:1	SHEET: 60f 7



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

COMPANY: Ohio State University			
TITLE: HELIX Master Trigger [HELIX MTRIG]			
DRAWN: PSA	DATED: 6/13/18	CODE:	SIZE:
CHECKED: <Checked By>	DATED: <Checked Date>	SHEET:	REV: 1
QUALITY CONTROL: <QC By>	DATED: <QC Date>	D POWER_DEBUG	
RELEASED: <Released By>	DATED: <Release Date>	SCALE: 1:1	
		SHEET: 7 of 7	