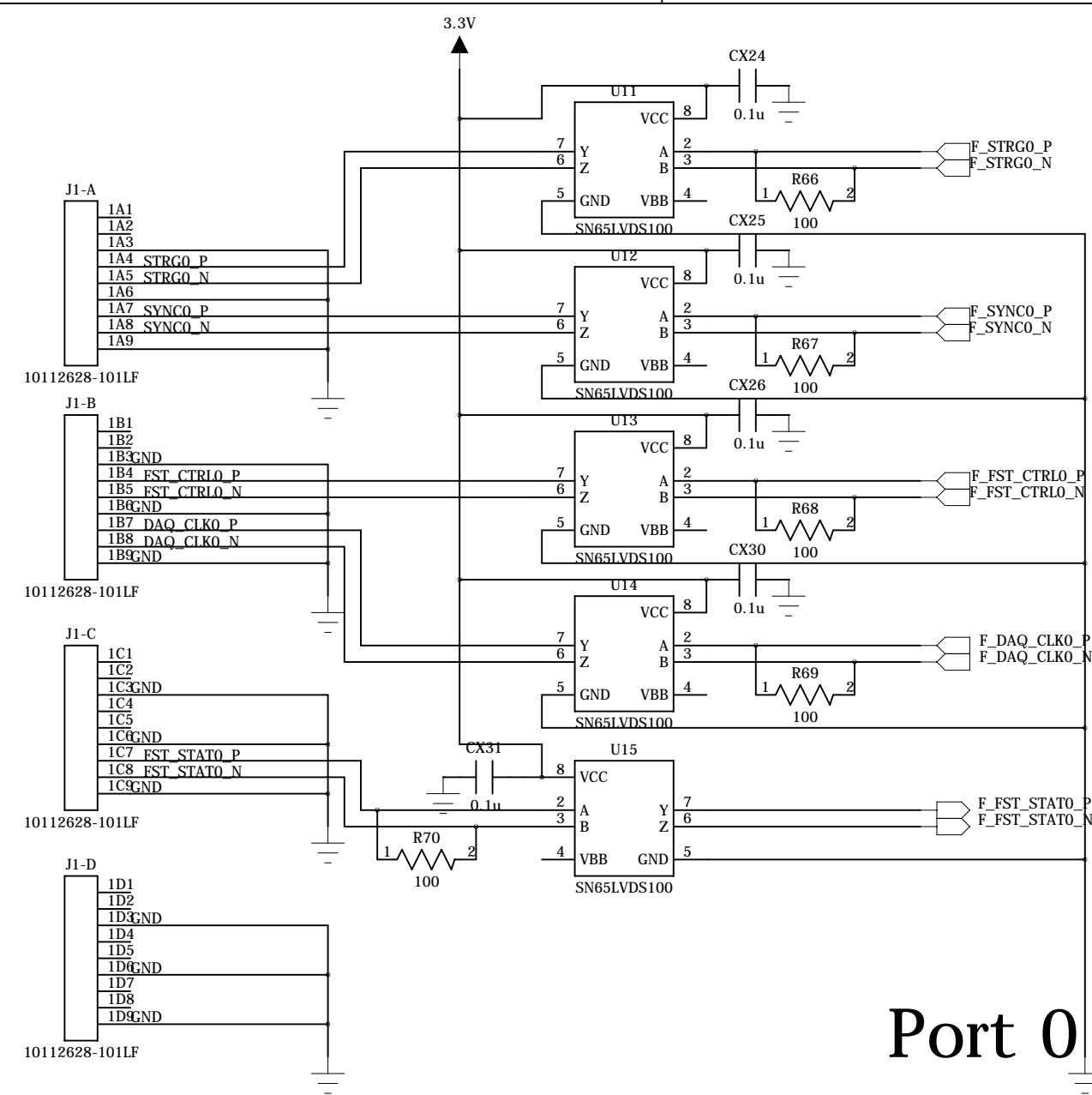
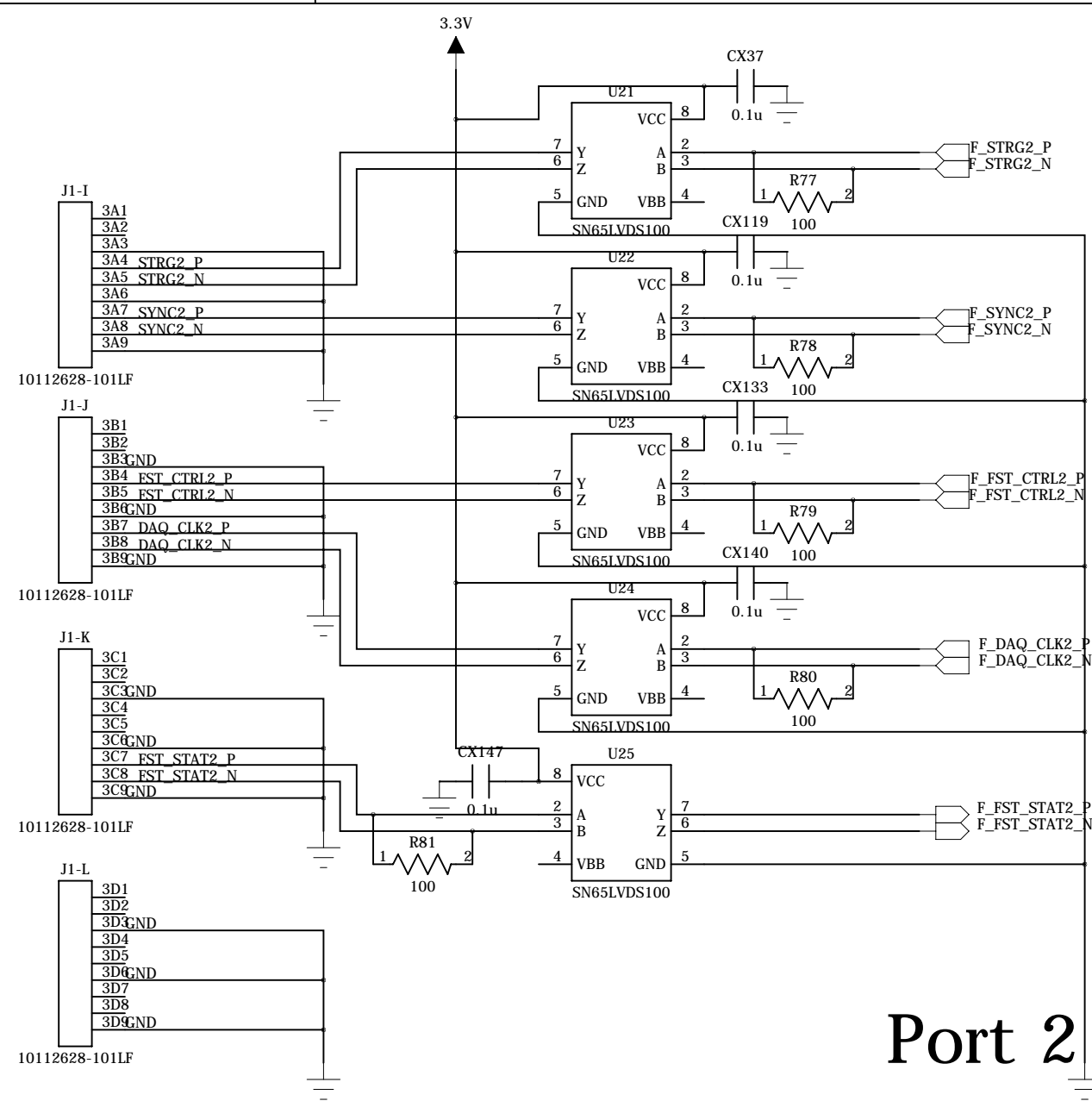




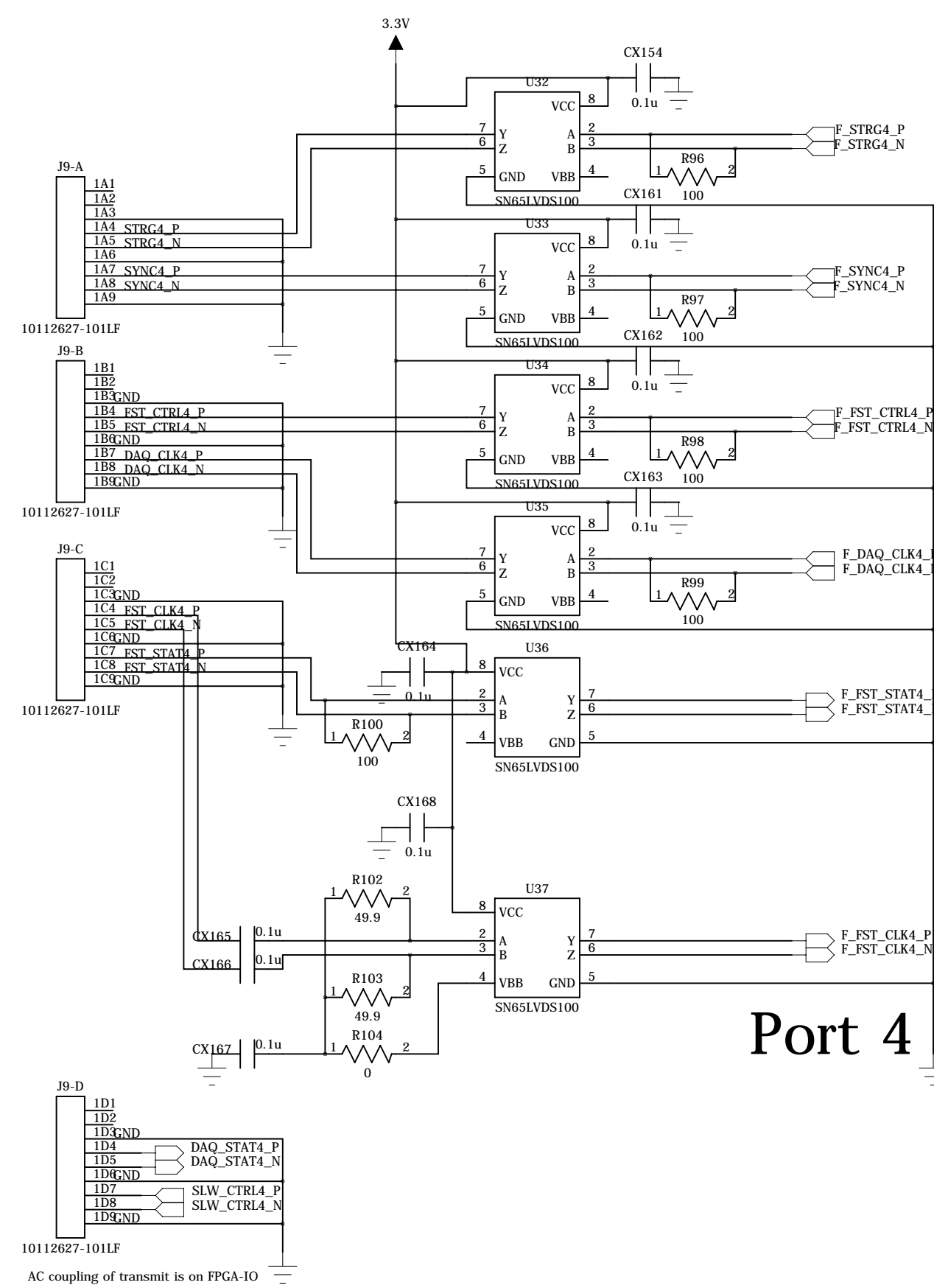
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



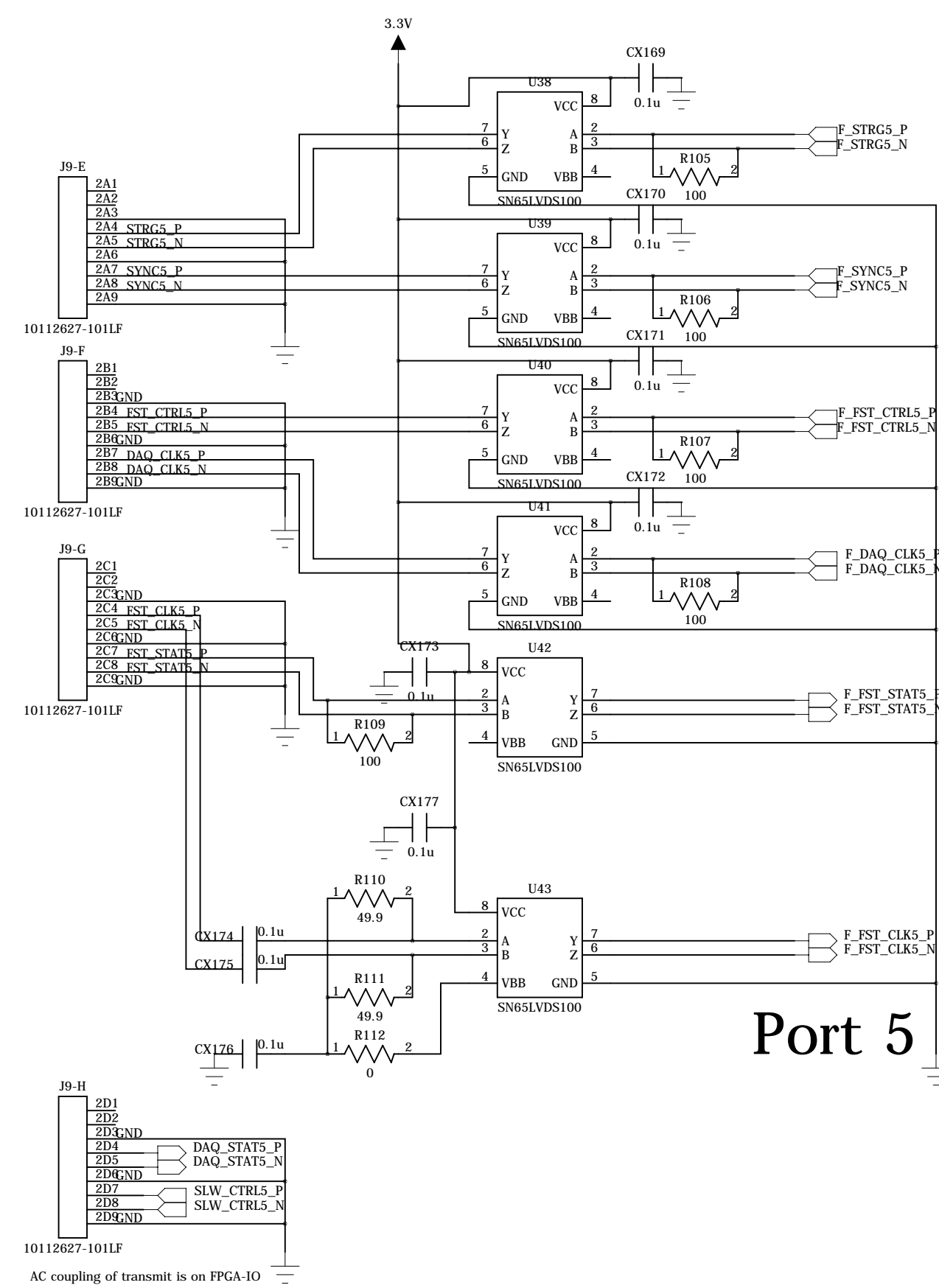
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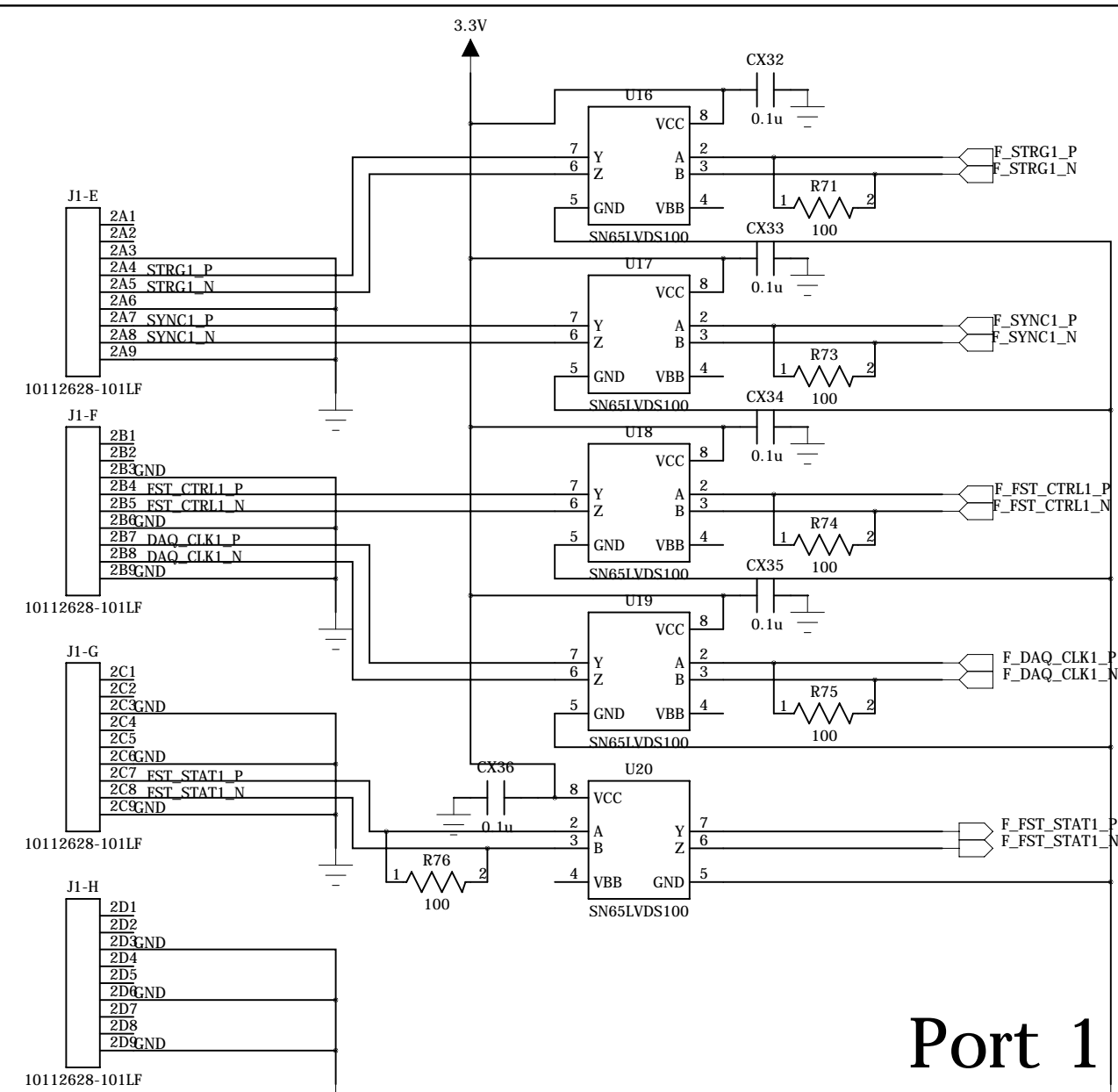
Port 2



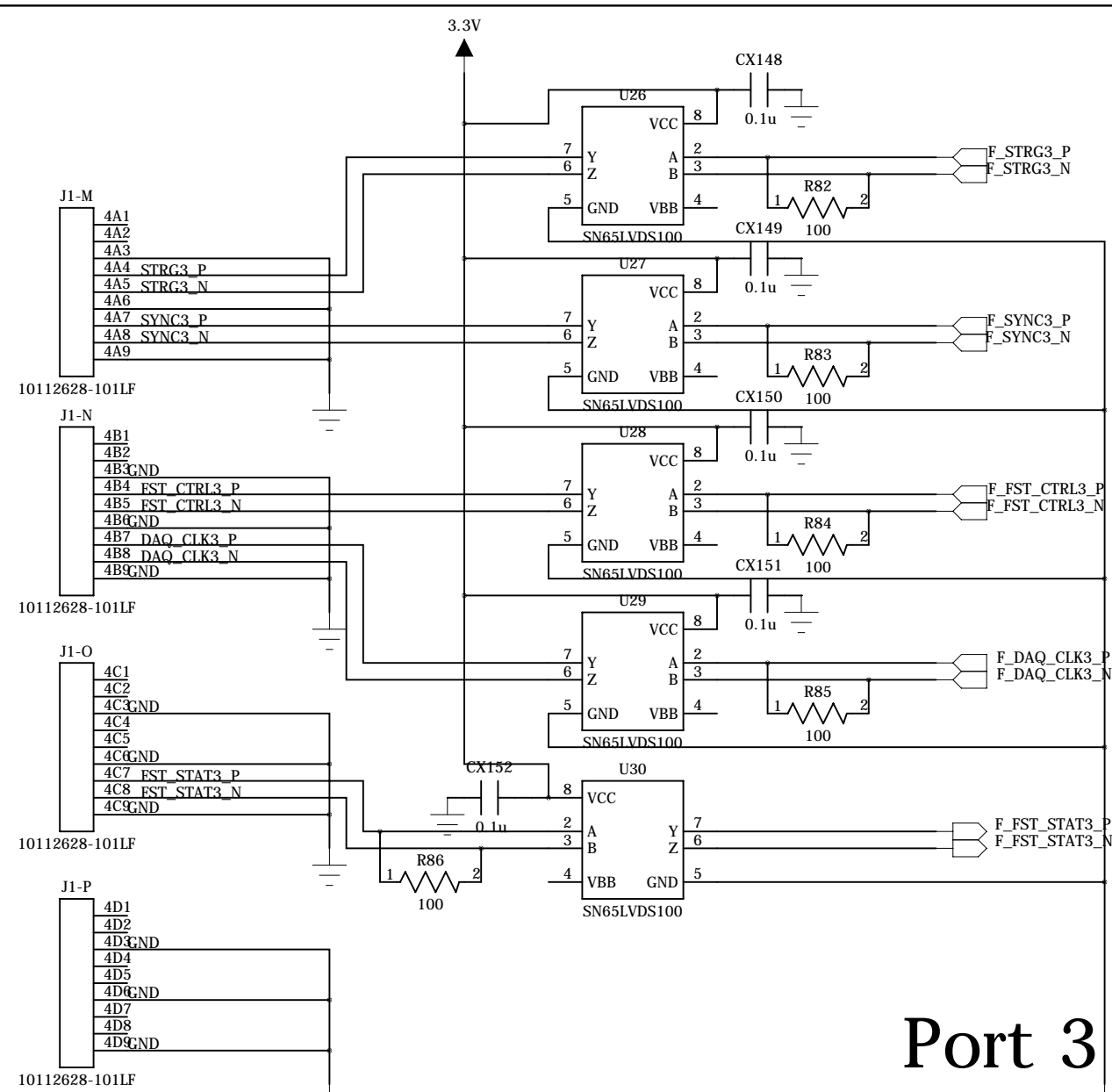
Port 4



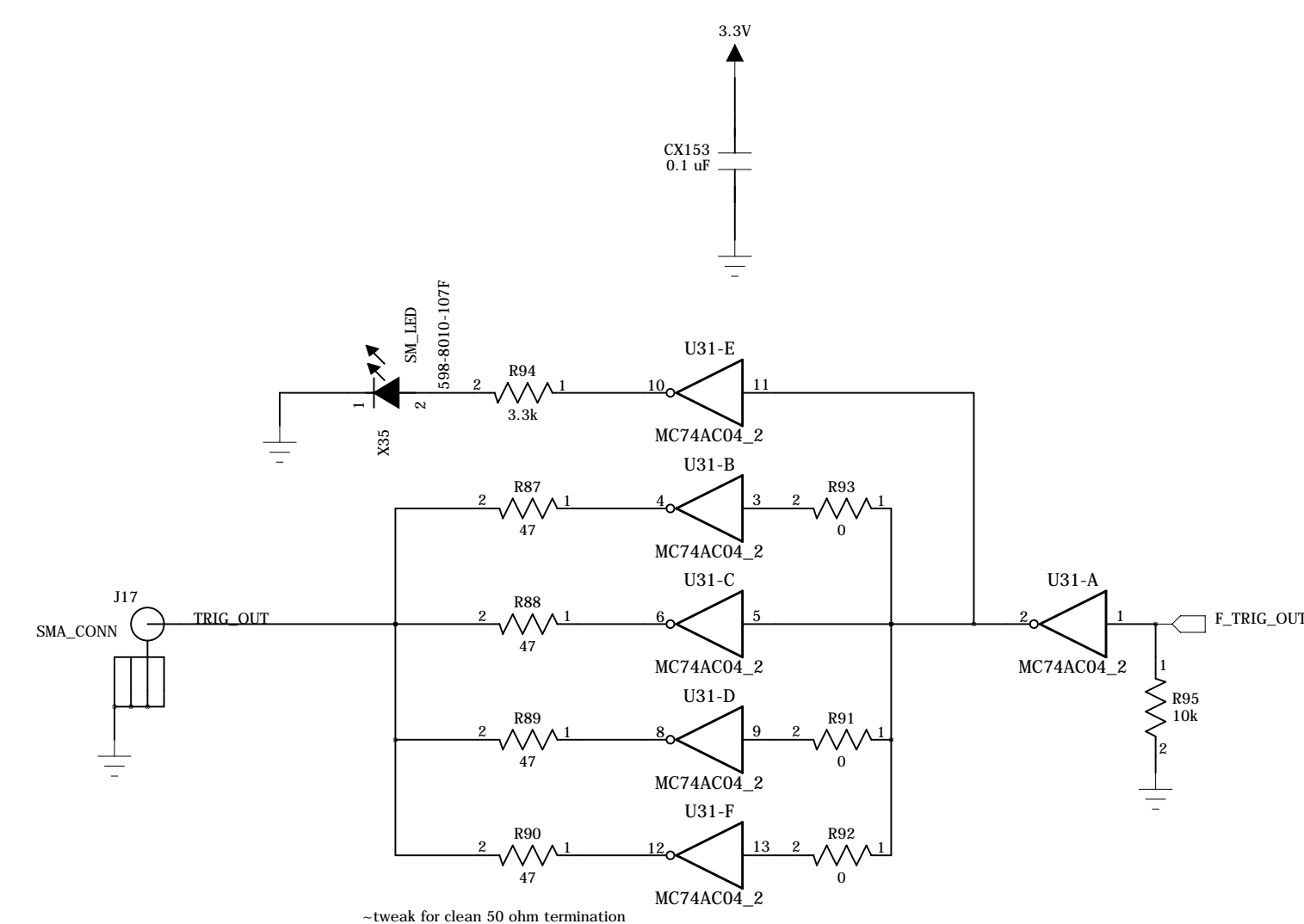
Port 5



Port 1

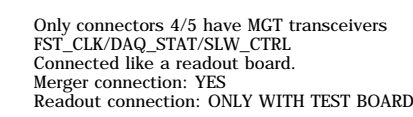


Port 3



-tweak for clean 50 ohm termination

External Trigger Output



DRAWN: PSA		DATE: 6/13/18		HELIX Master Trigger [HELIX MTRIG]			
CHECKED: <Checked By>		DATE: <Checked Date>		CODE:	SIZE:	SHEET:	REV:
QUALITY CONTROL: <QC By>		DATE: <QC Date>			D	TRIGGER_OUT	1
RELEASED: <Released By>		DATE: <Release Date>		SCALE: 1:1		SHEET: 1 of 7	



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

D

D

C

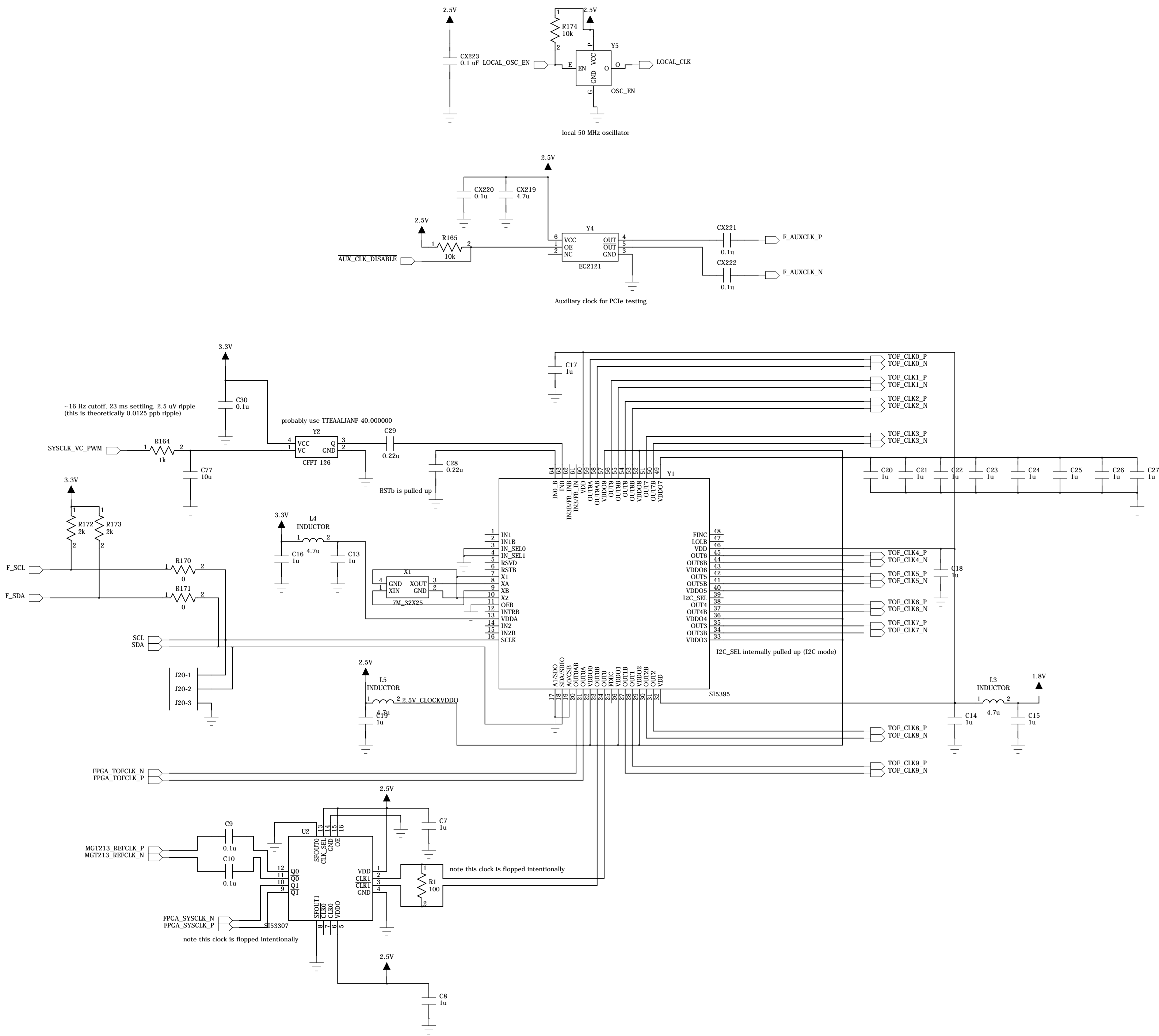
C

B

B

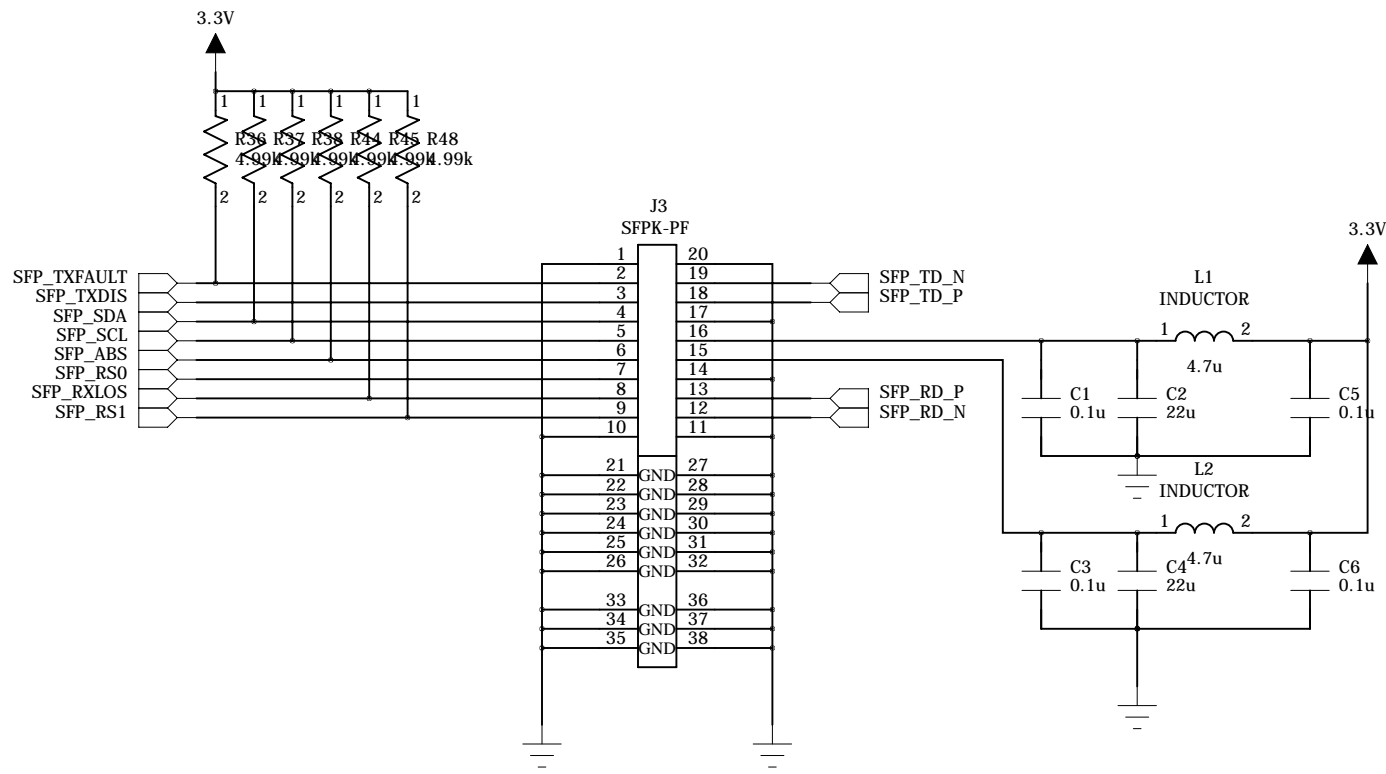
A

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	REV: 1
QUALITY CONTROL: <QC By>	DATED: <QC Date>	CLOCK	
RELEASED: <Released By>	DATED: <Release Date>	SCALE: 1:1	
		SHEET: 2 of 7	

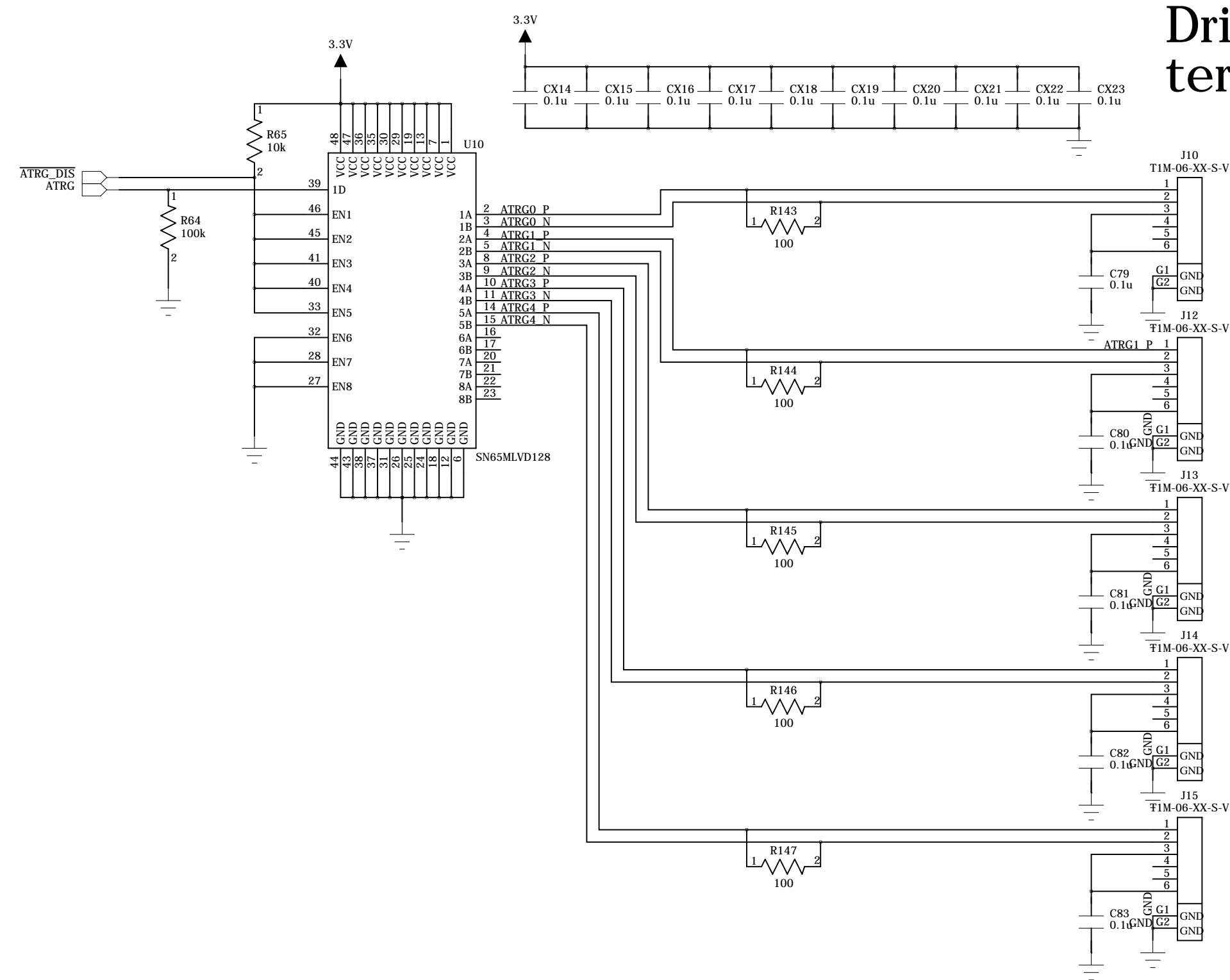
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



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

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>

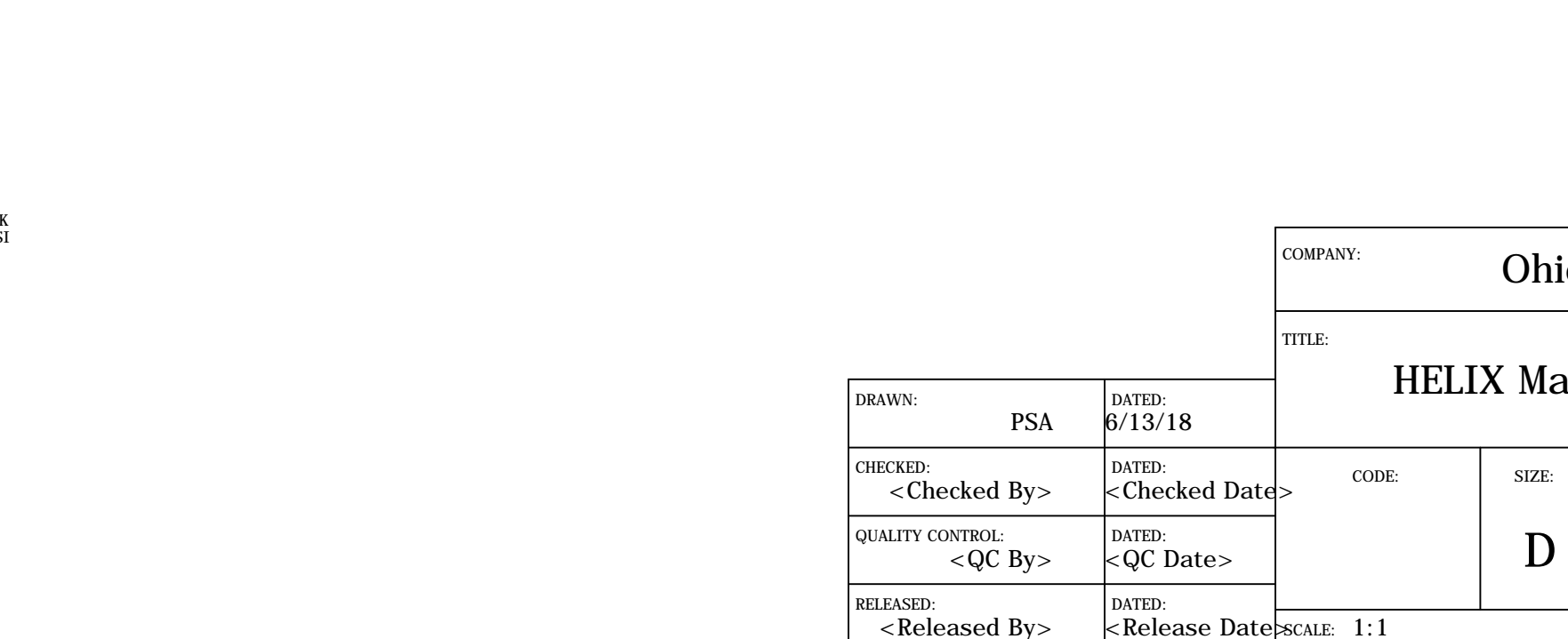
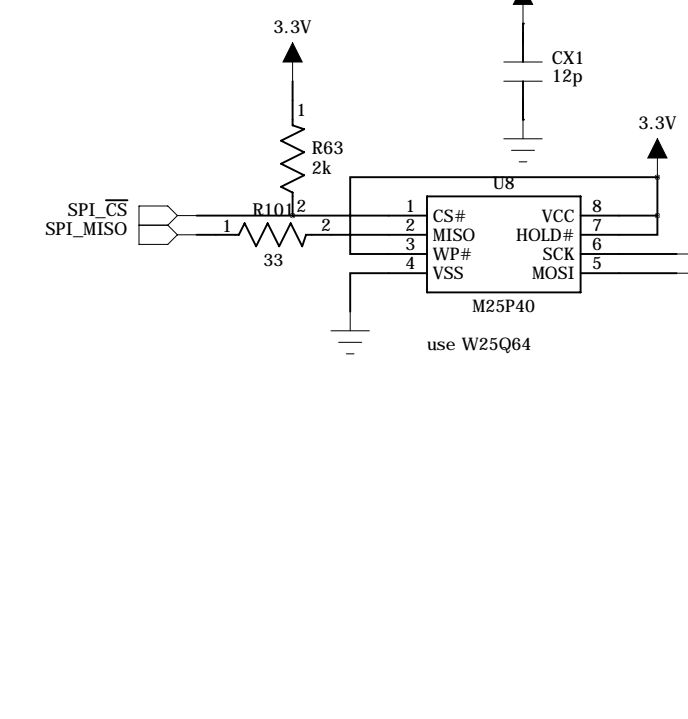
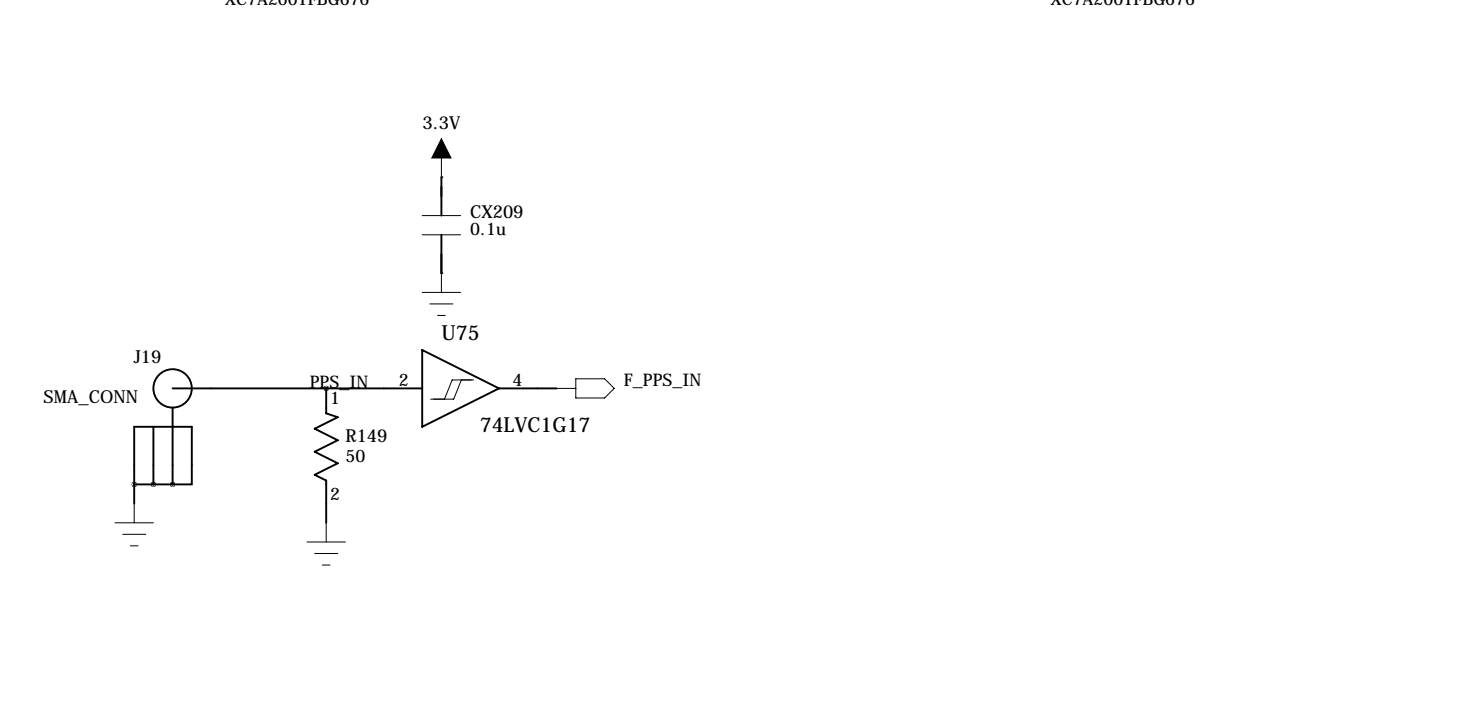
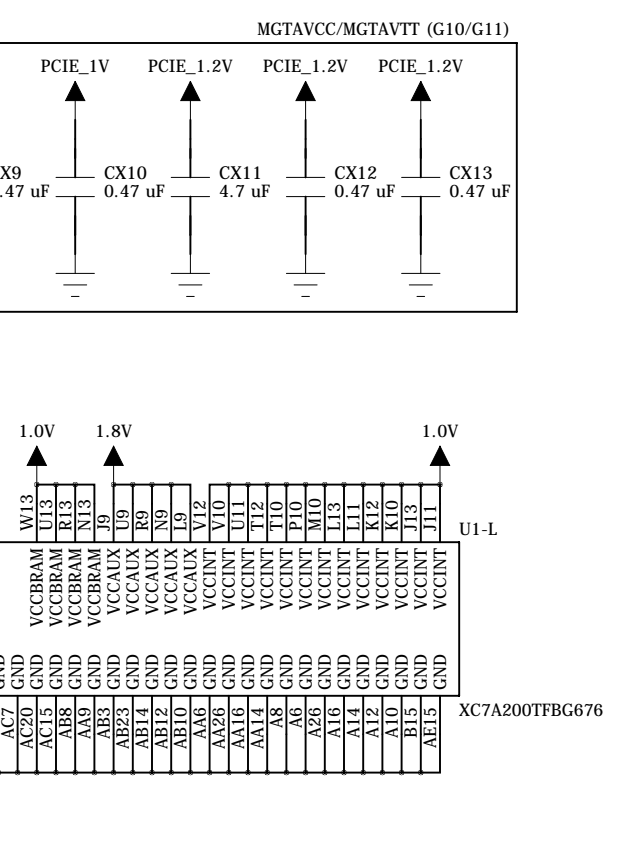
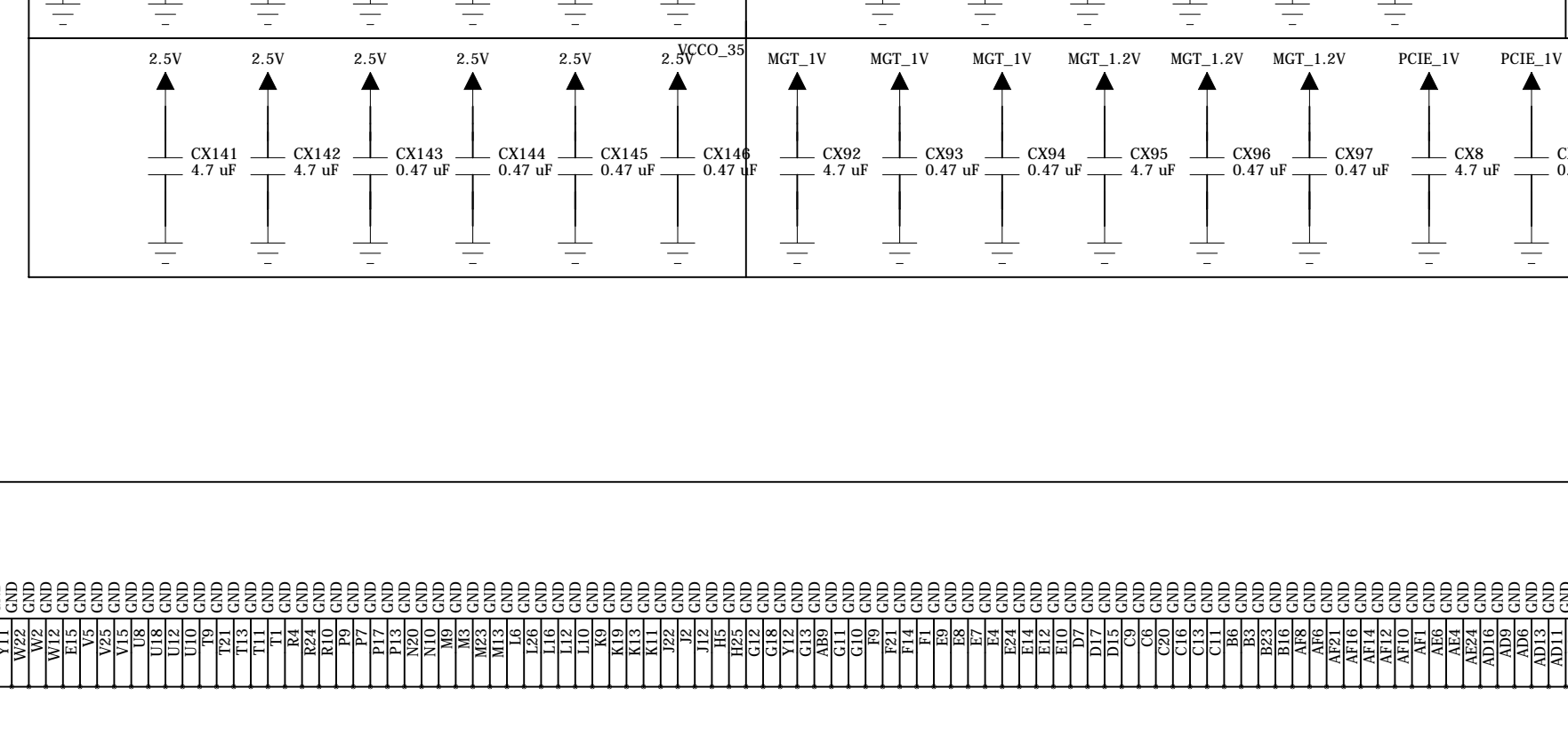
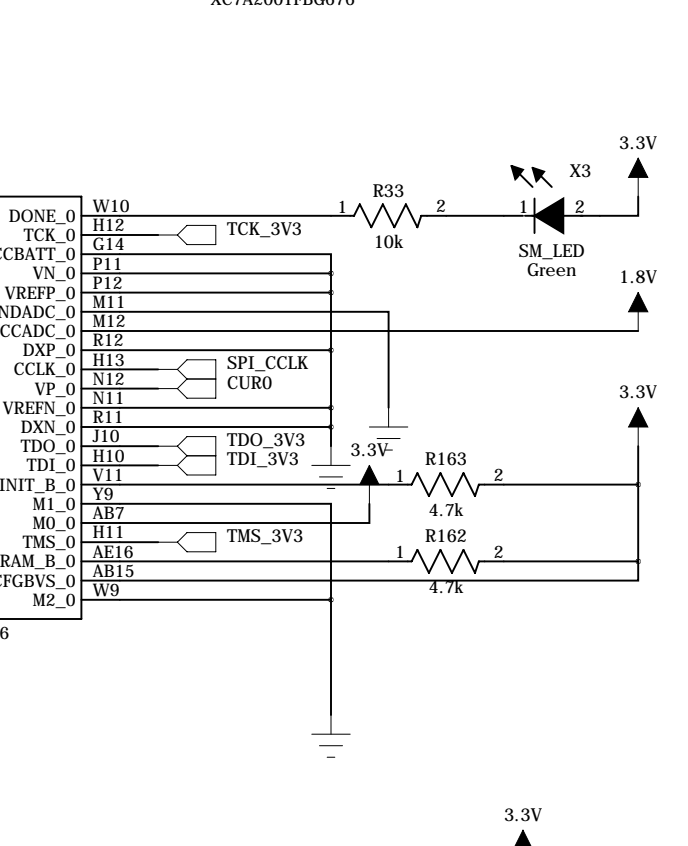
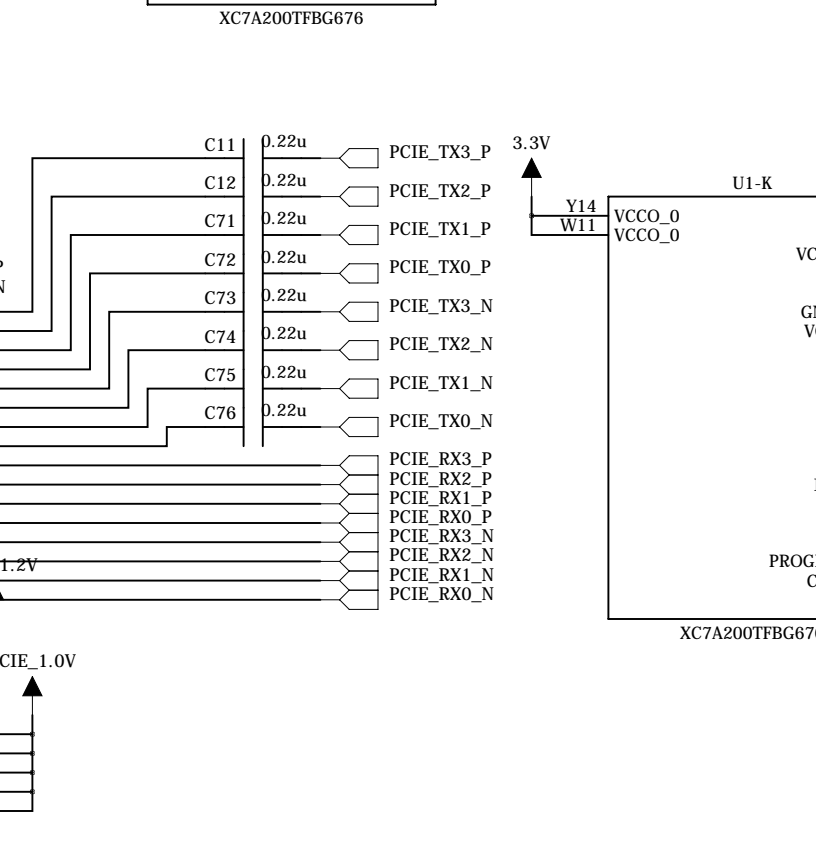
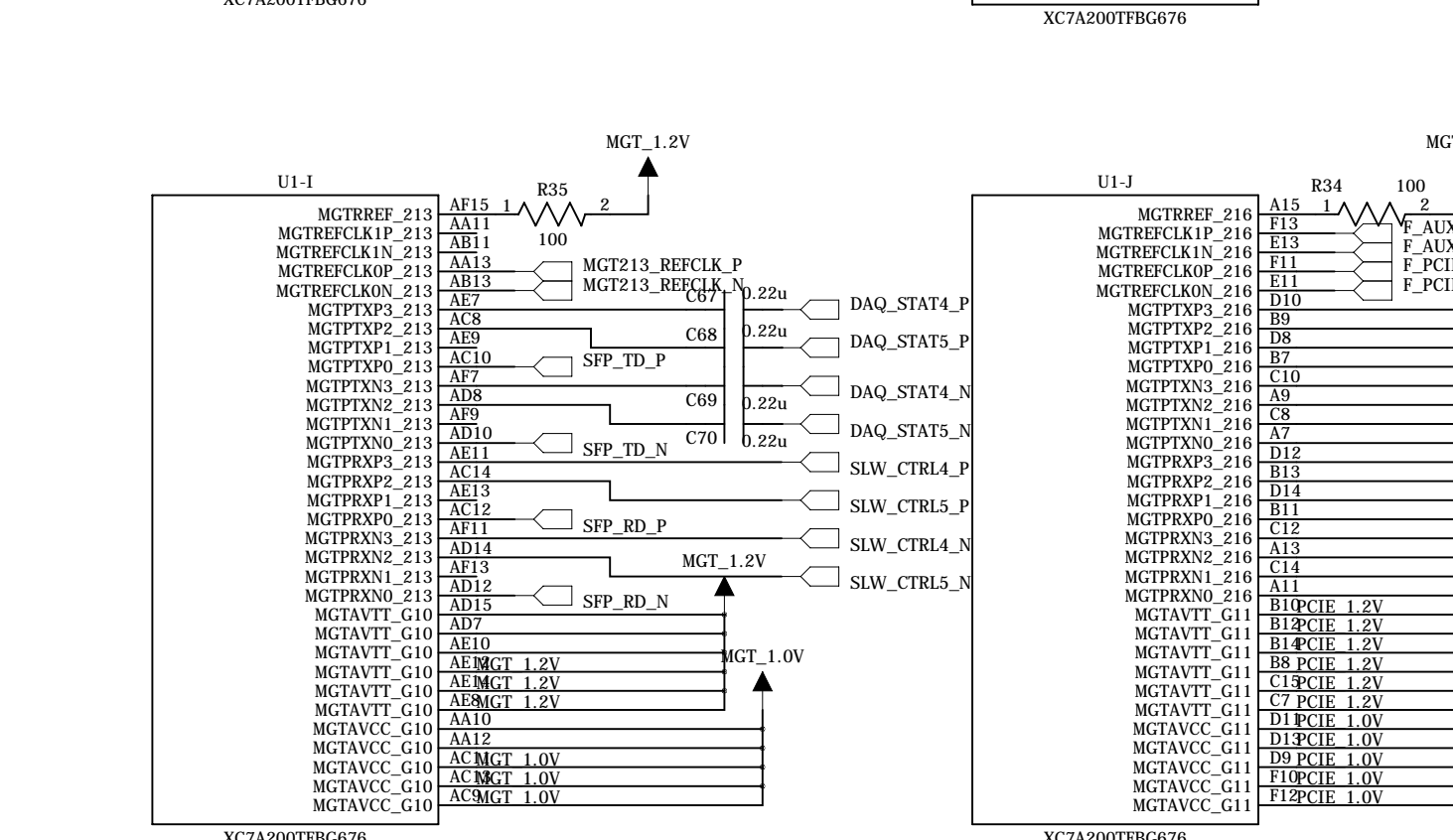
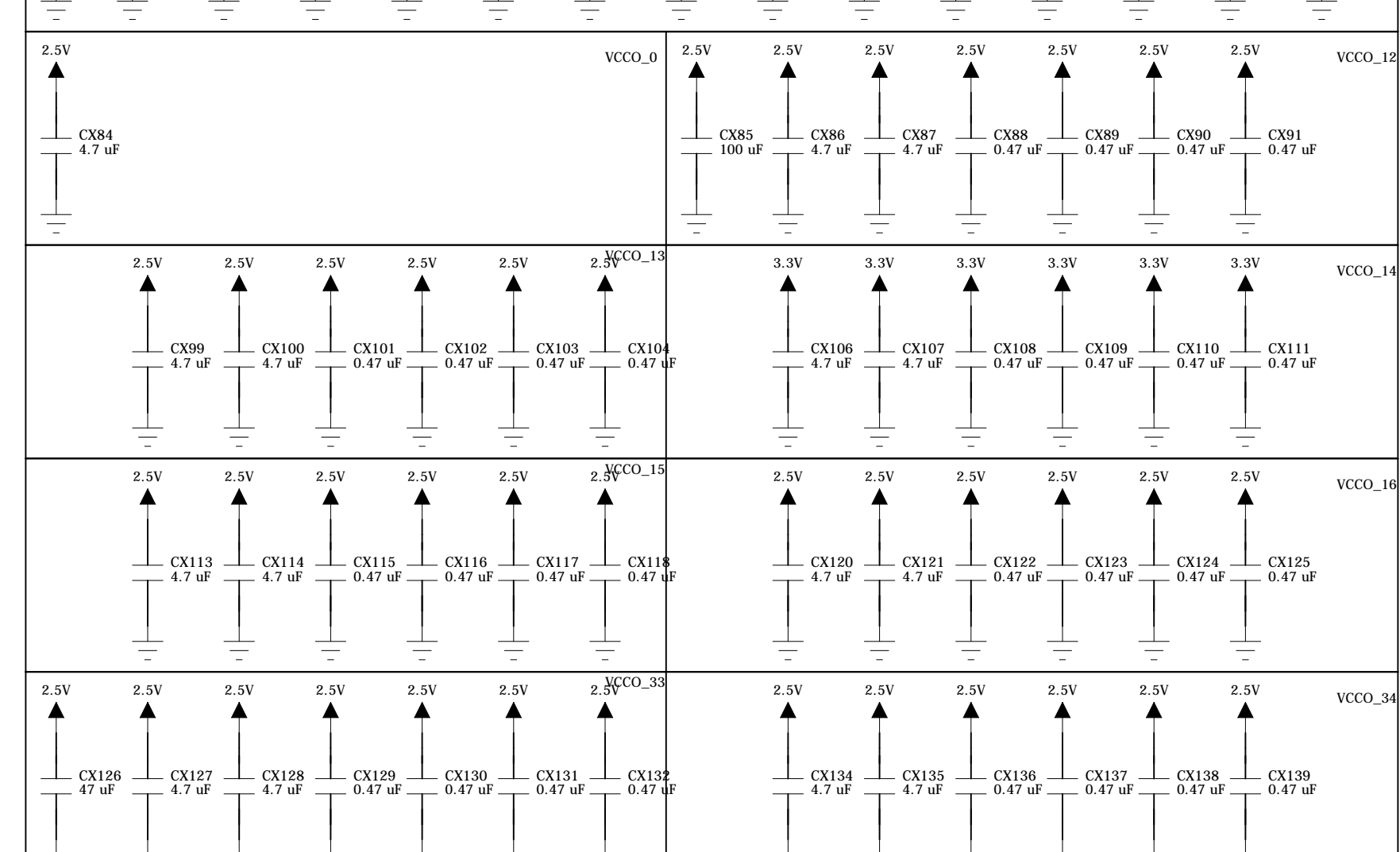
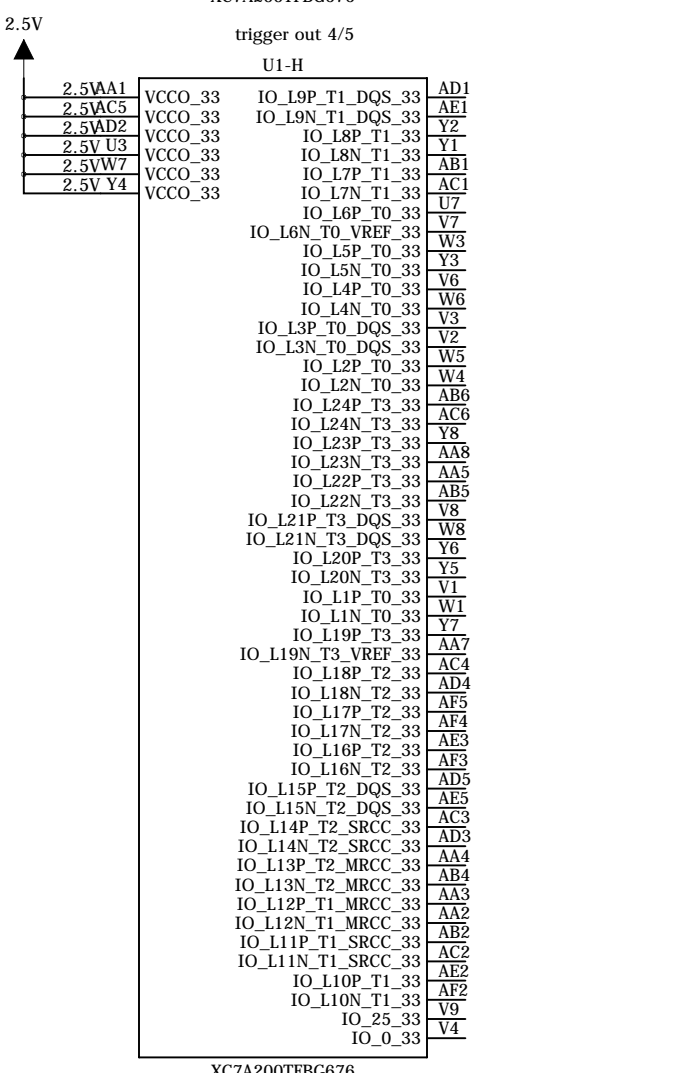
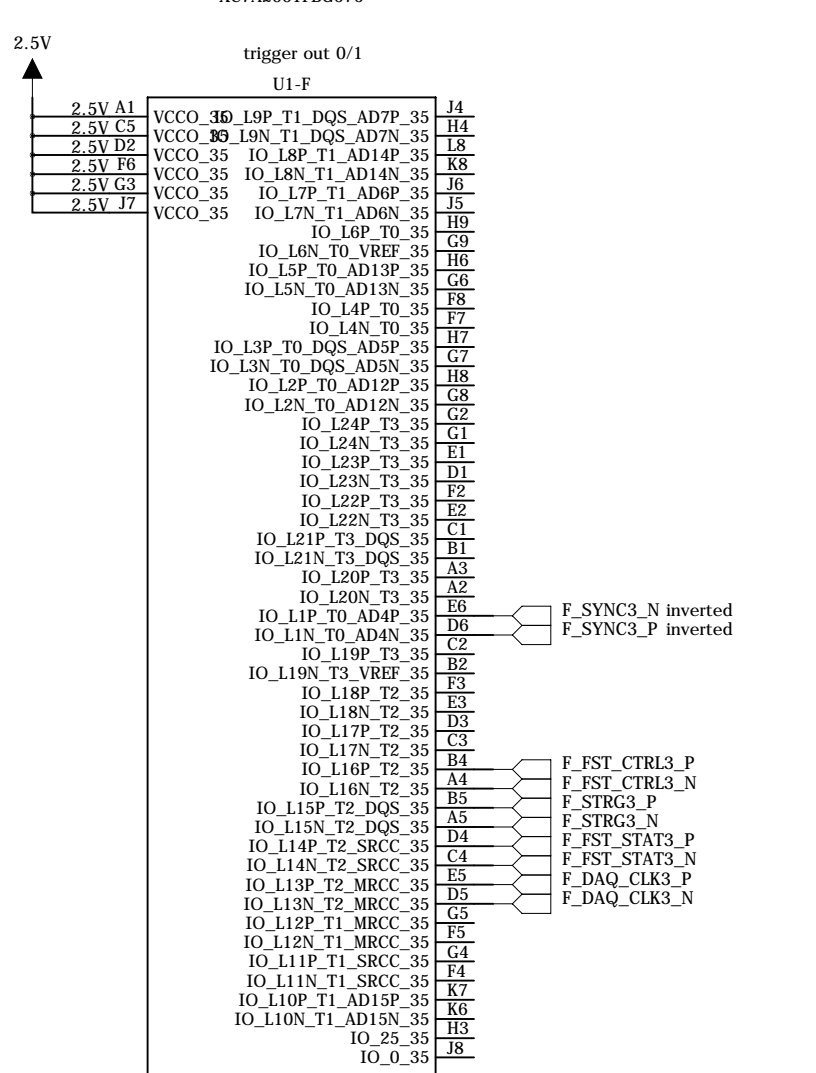
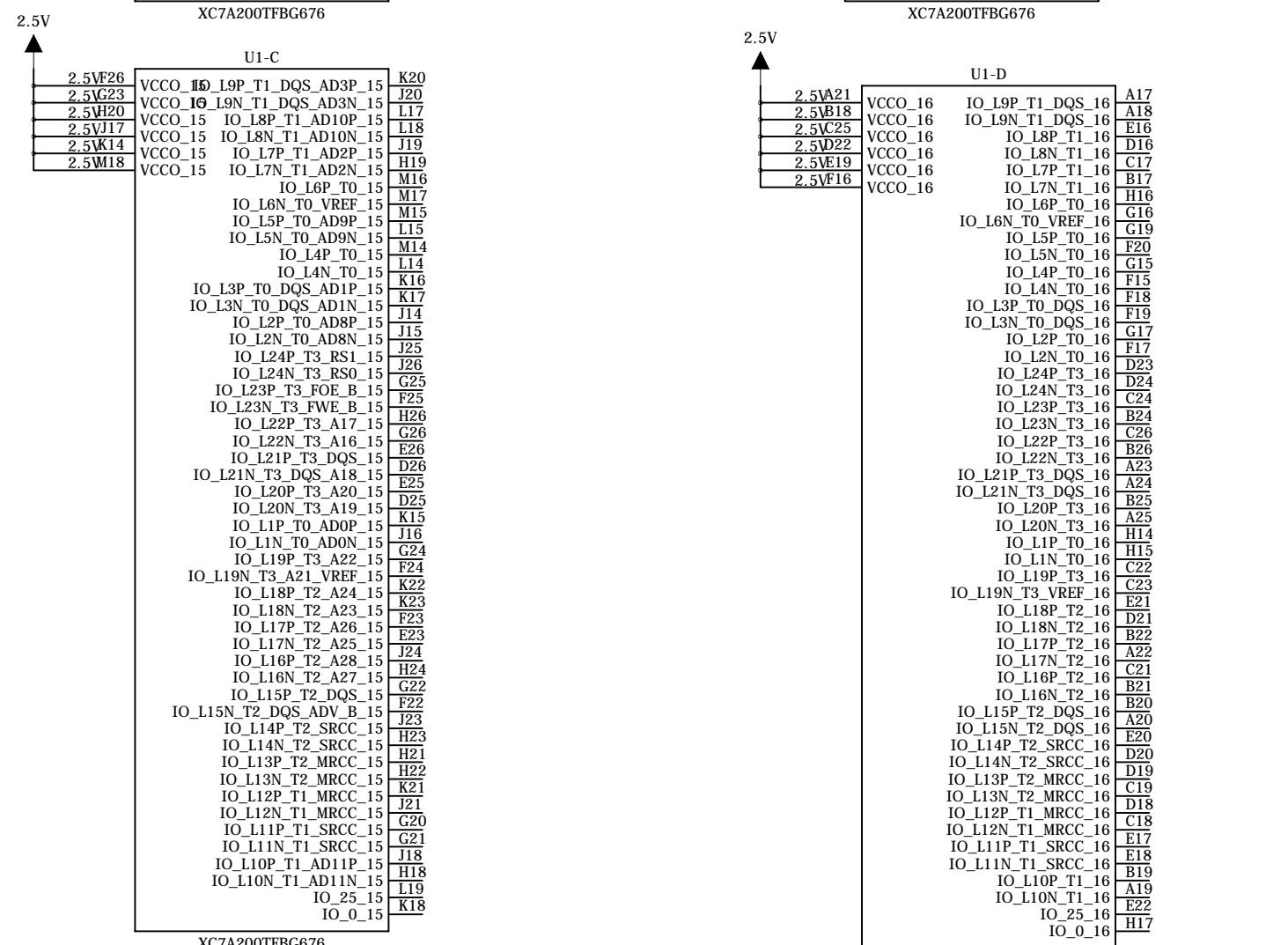
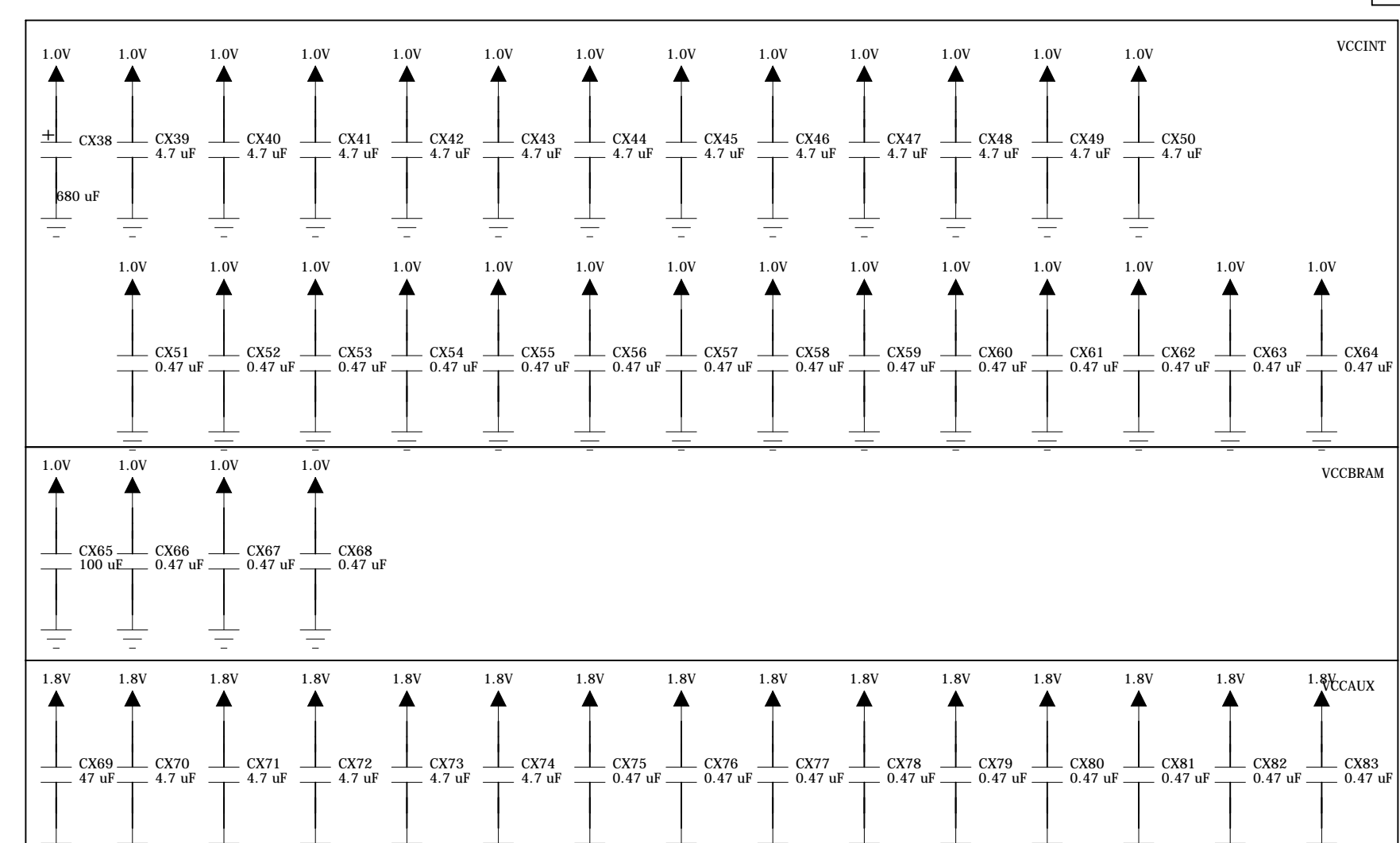
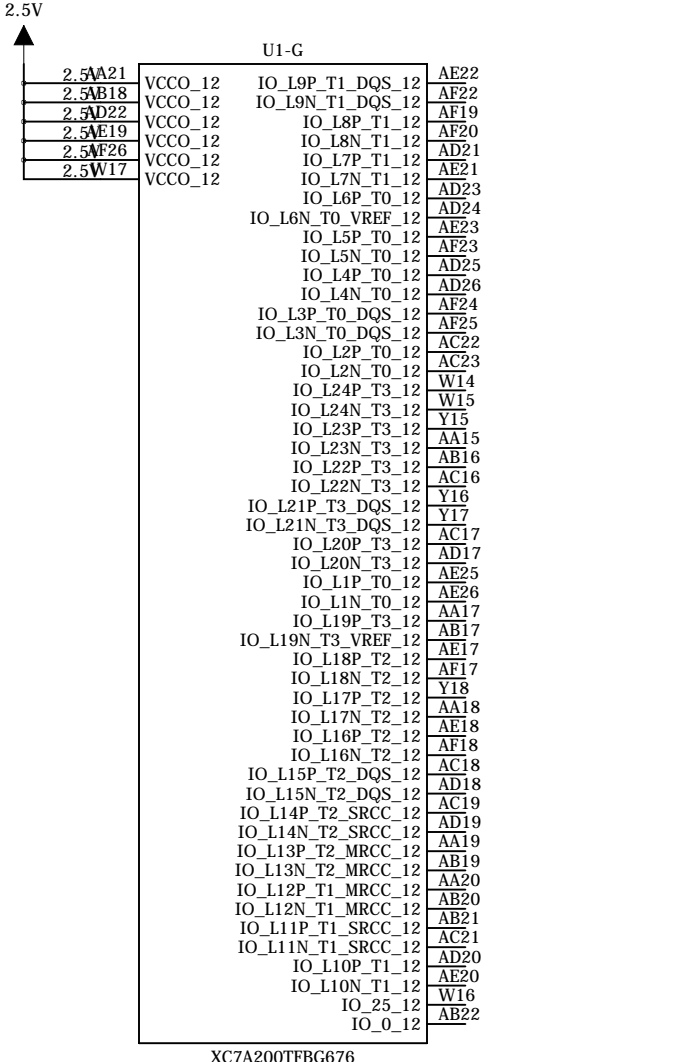
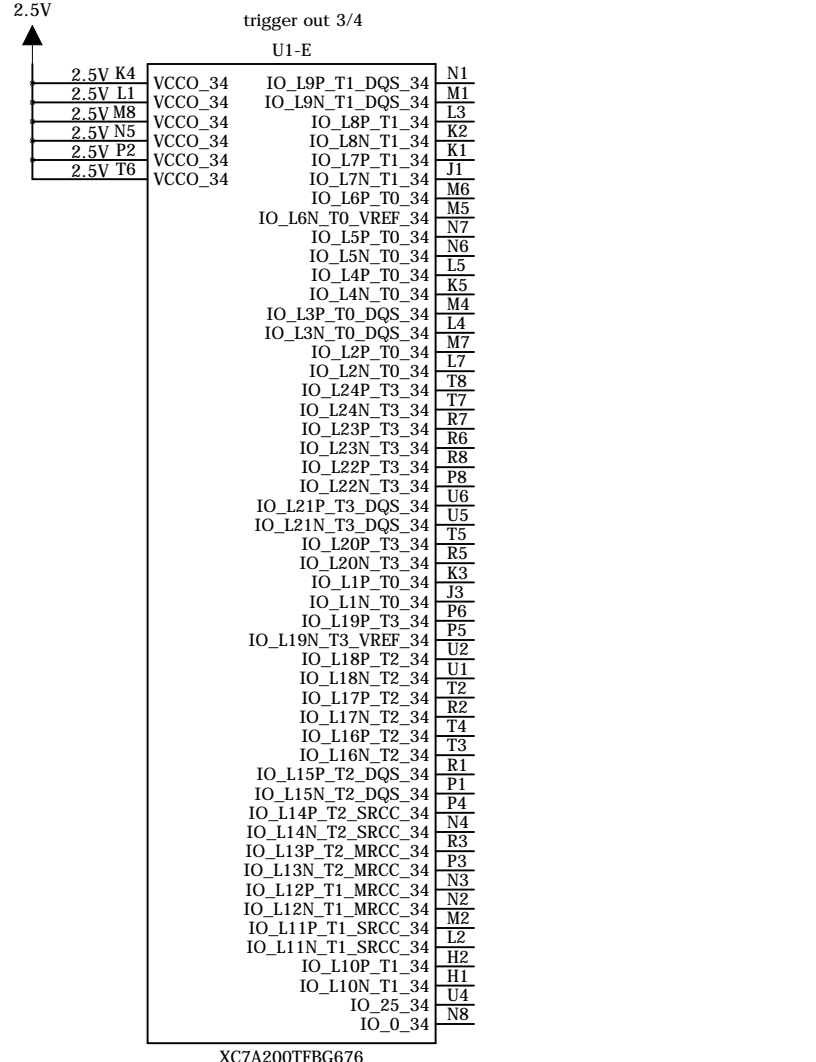
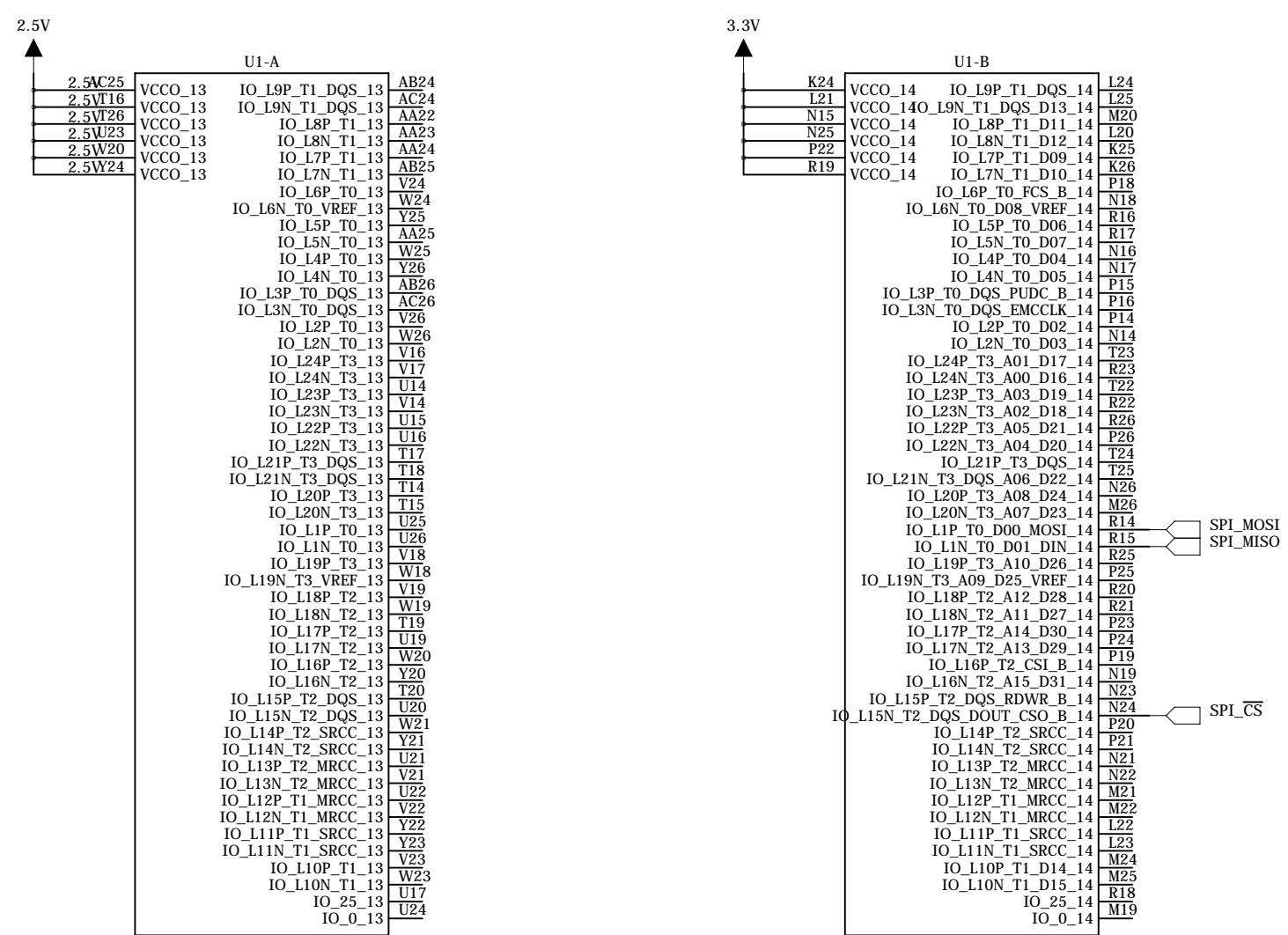
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



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

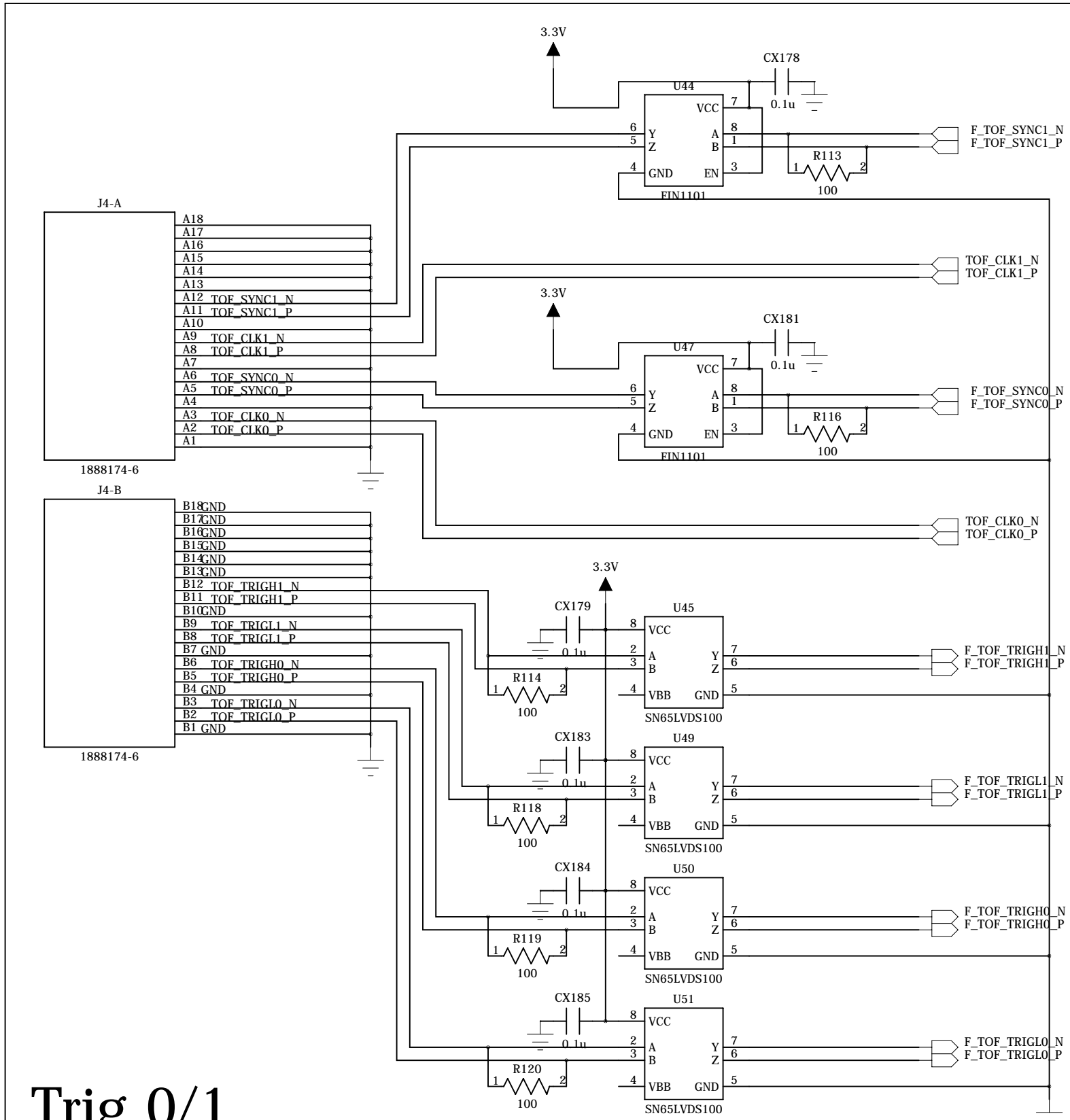
		COMPANY: Ohio State University			
		TITLE: HELIX Master Trigger [HELIX MTRIG]			
DRAWN: PSA	DATED: 6/13/18				
CHECKED: <Checked By>	DATED: <Checked Date>	CODE:	SIZE:	SHEET:	REV:
QUALITY CONTROL: <QC By>	DATED: <QC Date>		D	ATR	1
RELEASED: <Released By>	DATED: <Release Date>	SCALE: 1:1			SHEET: 40F 7

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

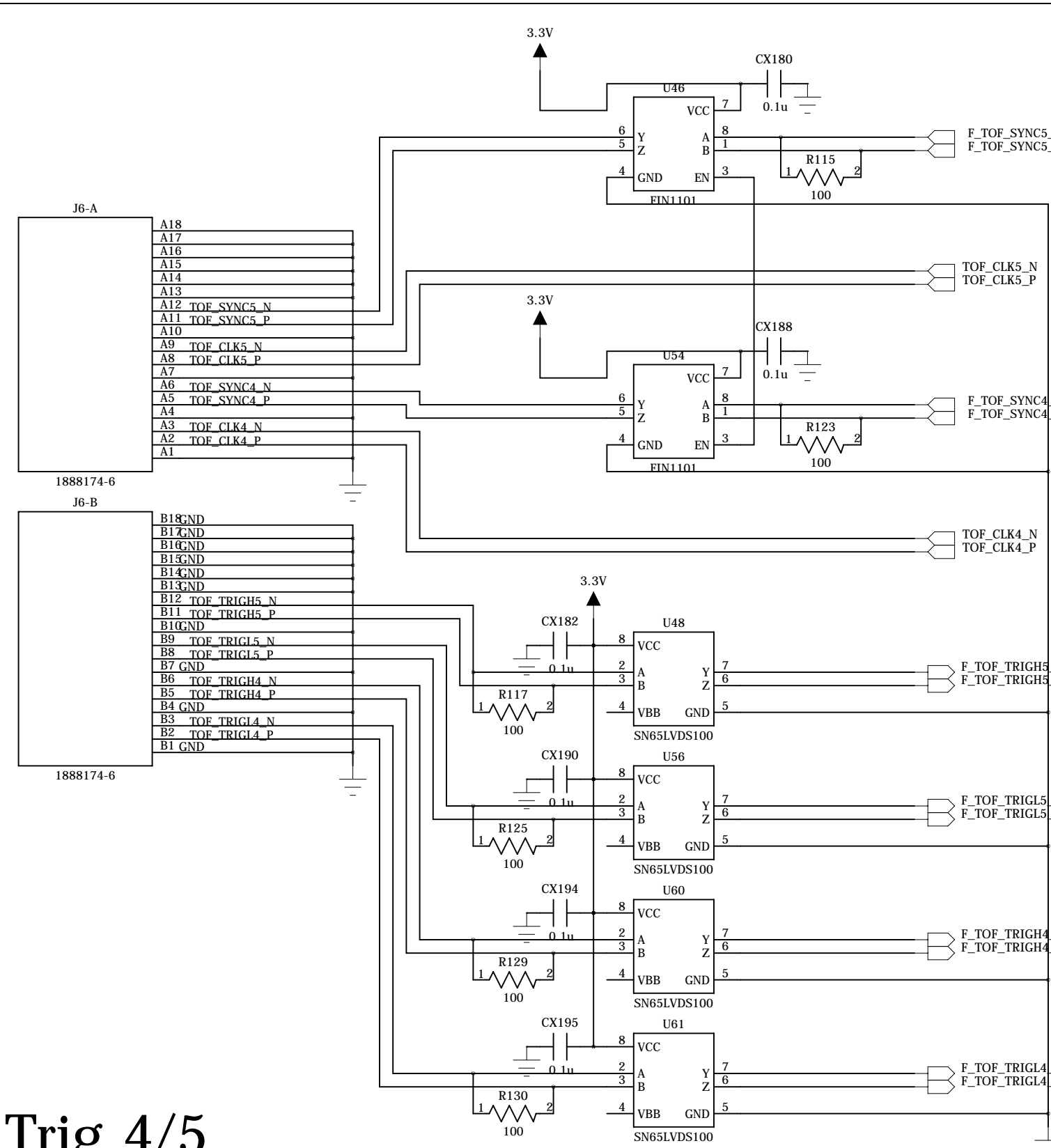
D



Trig 0/1

C

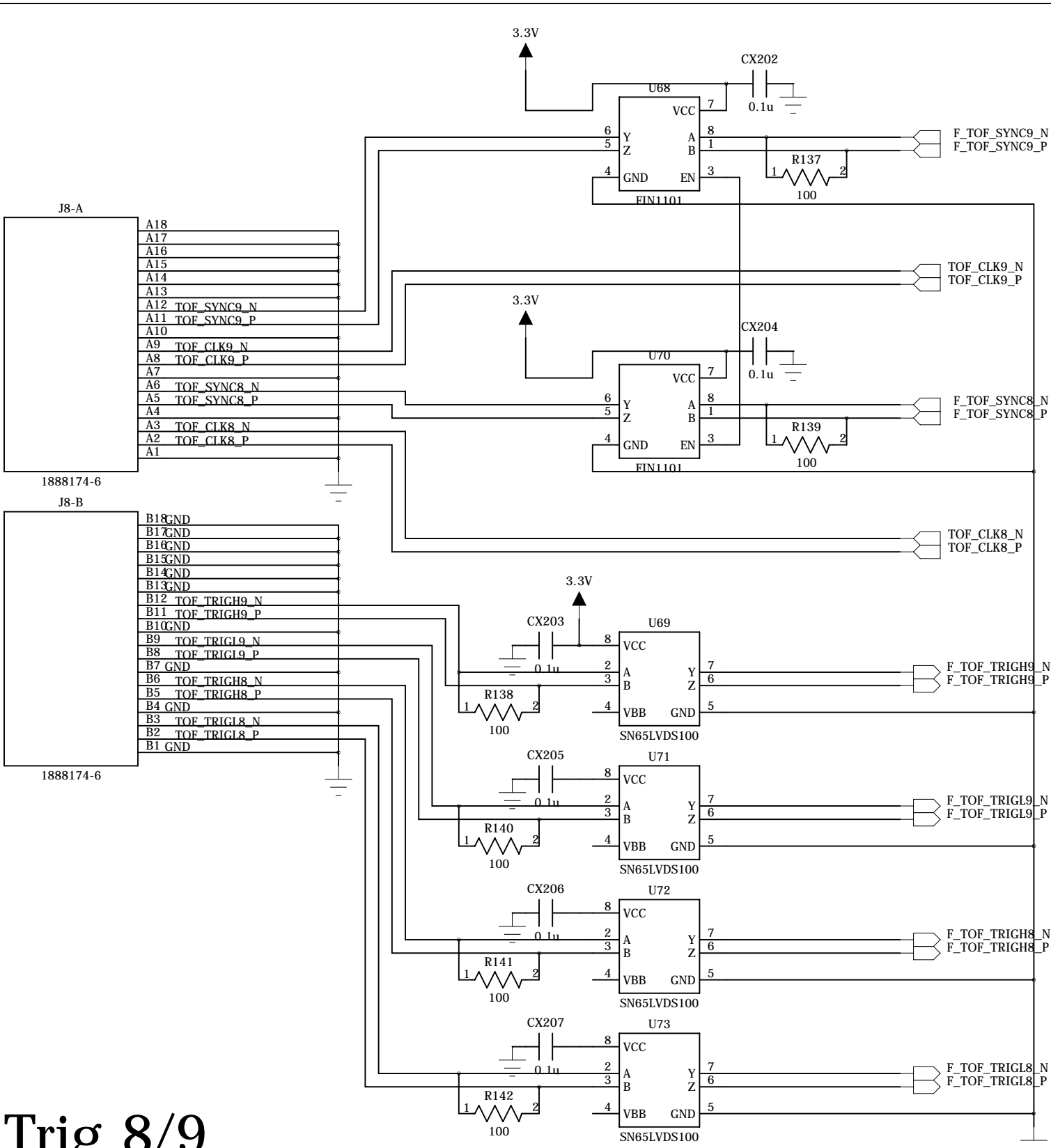
D



Trig 4/5

C

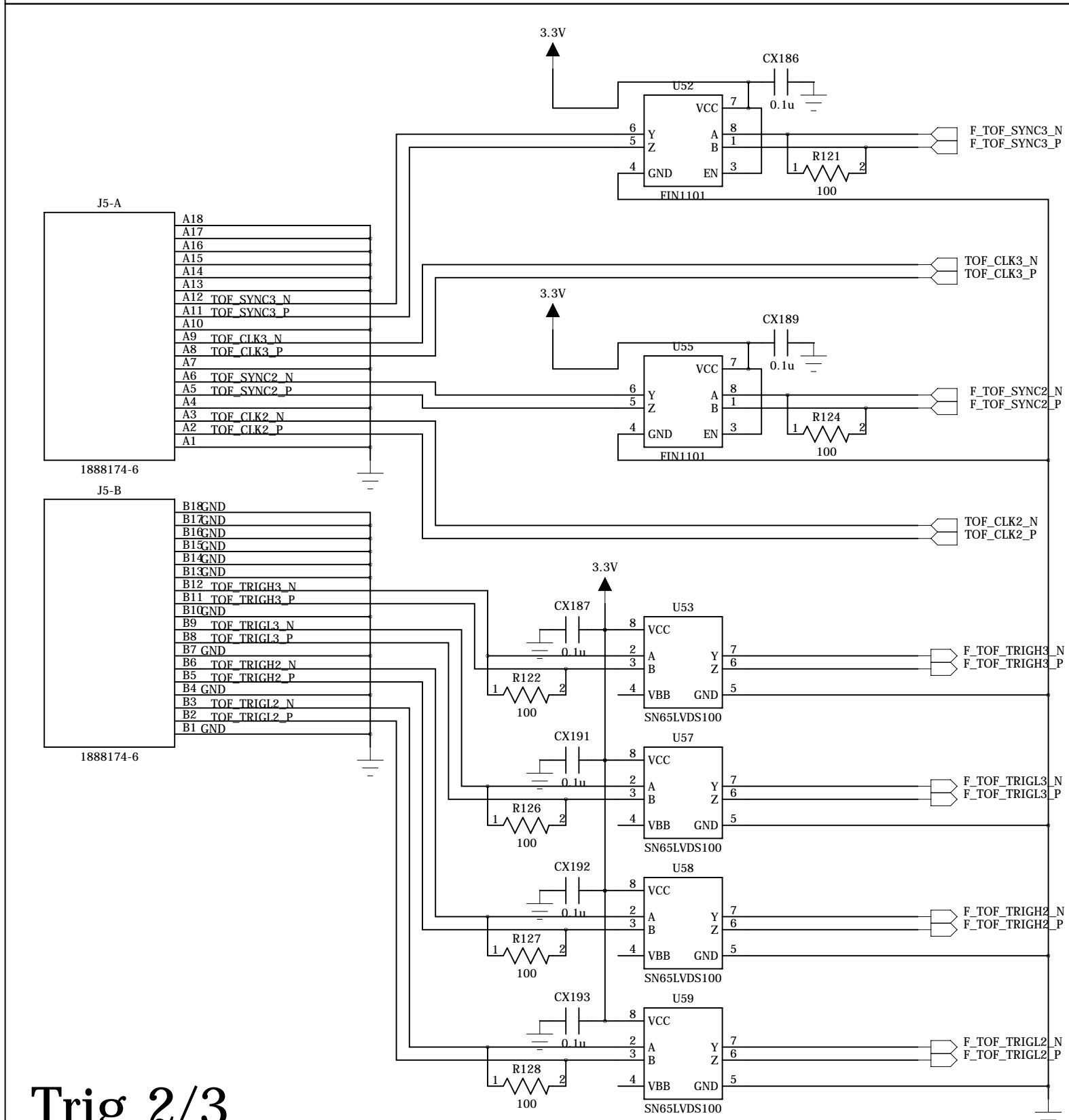
D



Trig 8/9

C

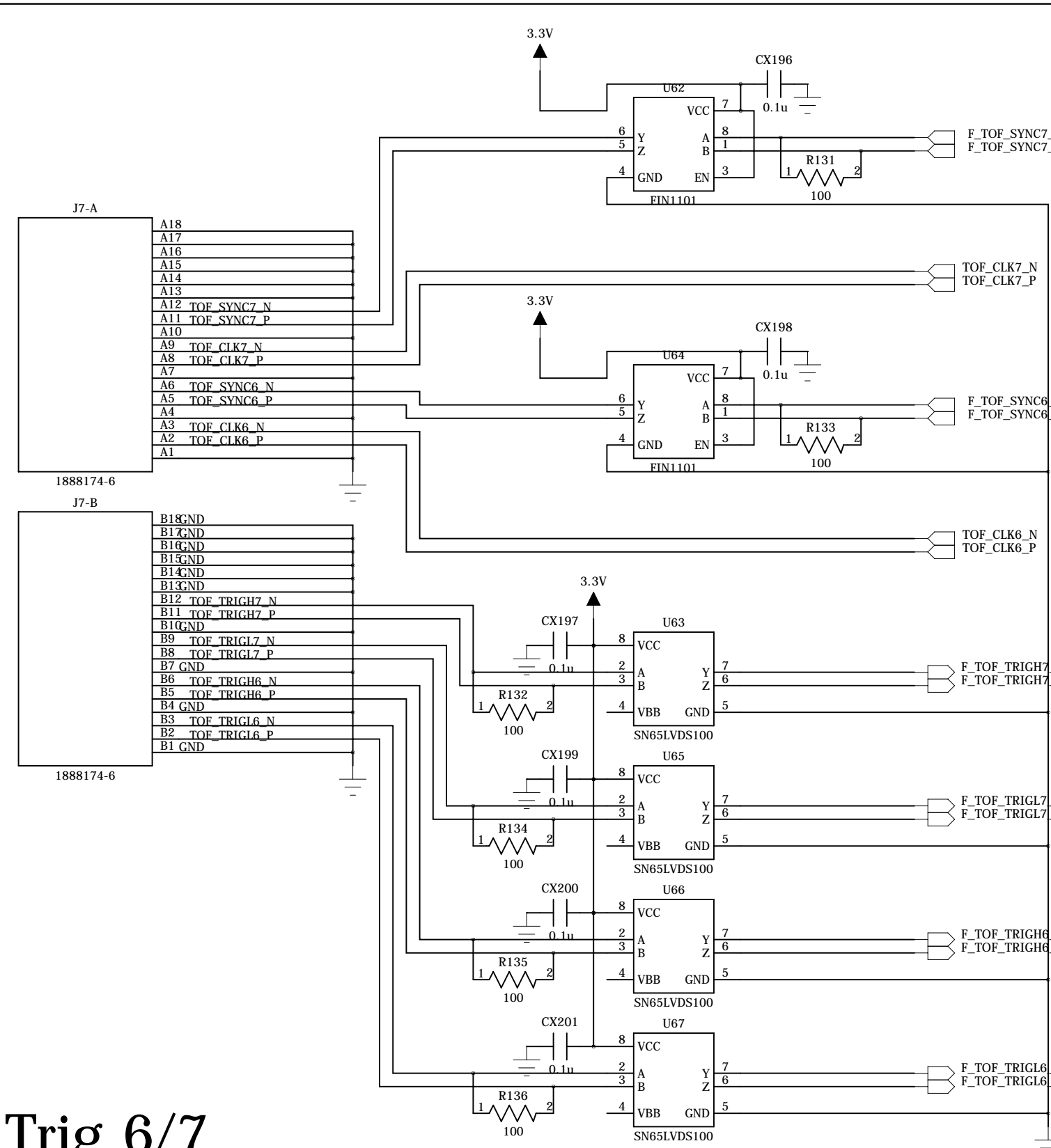
B



Trig 2/3

A

B

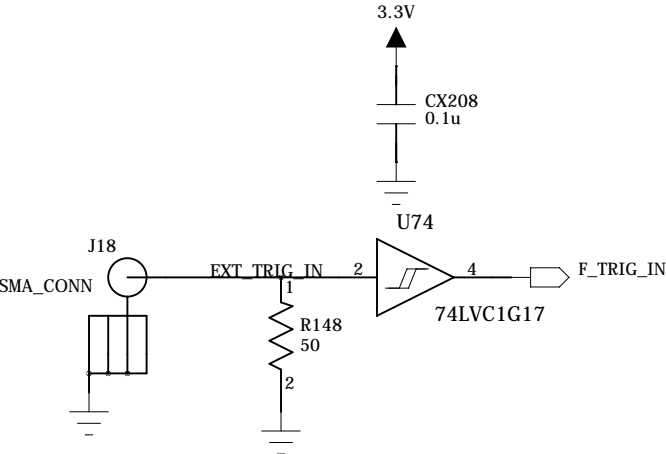


Trig 6/7

A

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

All clocks are straight from clock fanout



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:	REV: 1
QUALITY CONTROL: <QC By>	DATED: <QC Date>	D TRIGGER_IN	
RELEASED: <Released By>	DATED: <Release Date>	SCALE: 1:1	
		SHEET: 60f	7

