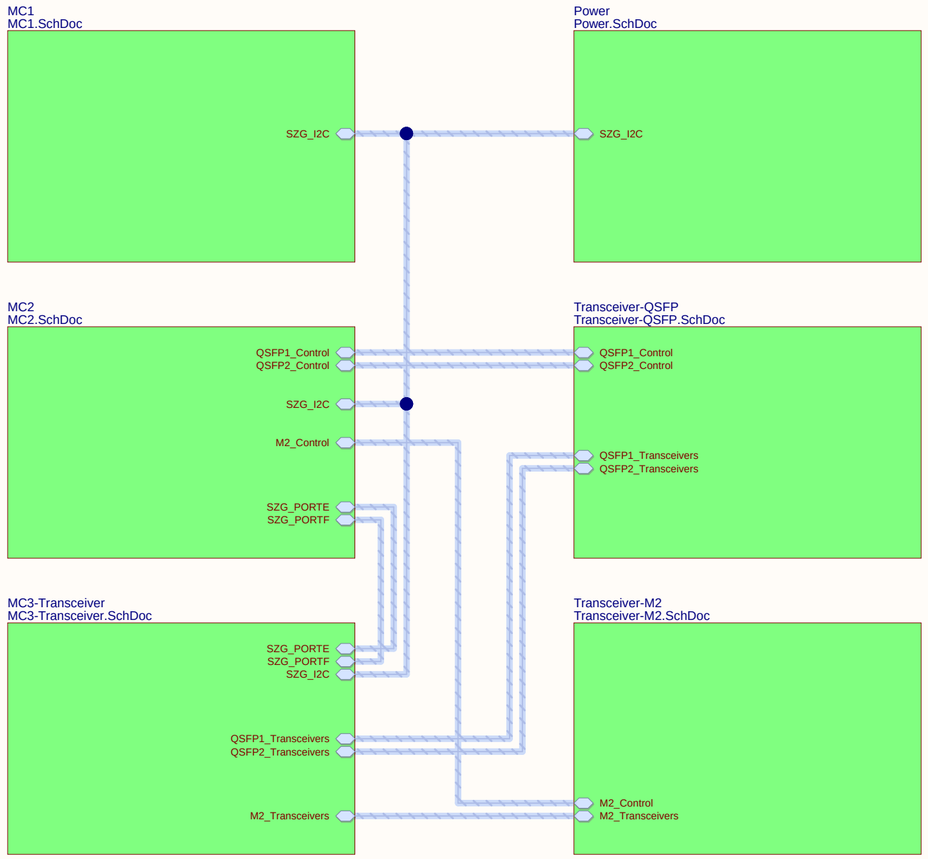
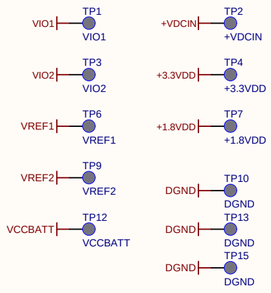


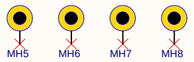
Test Points



Fiducials

Module Mounting Holes

BRK8350 Mounting Holes



PCB
BRK8350-PCB-EXX

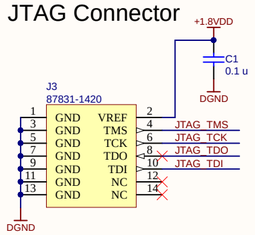
ASSEMBLY
BRK8350-EMS-EXX

Opal Kelly Logo

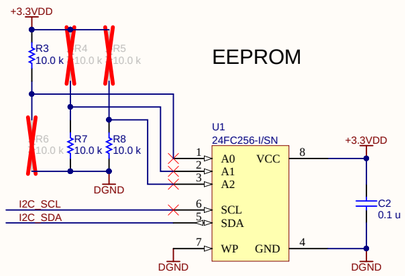
Title	***BRK8350 - Top Level***		Opal Kelly 13500 SW 72nd Ave STE 100 Portland, OR 97223 http://www.opalkelly.com
Size: C			
Date: 11/6/2019		Sheet 1 of 7	

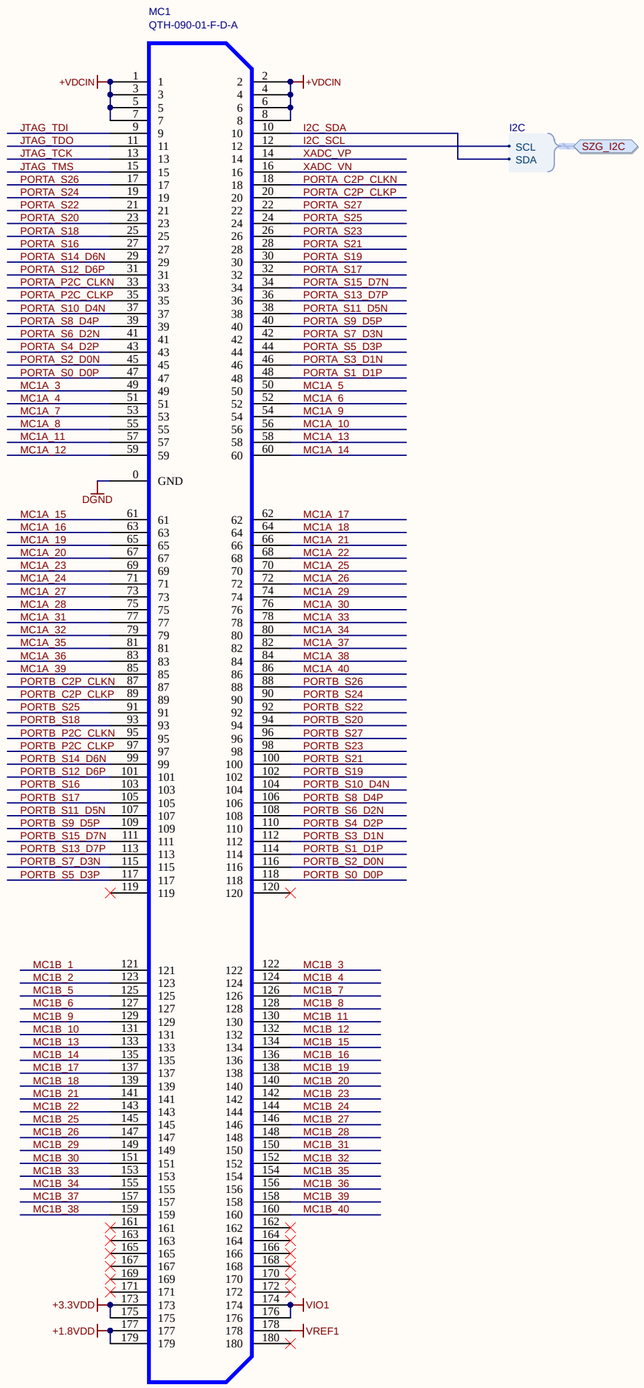
Mezzanine Connector MC1

JTAG Connector



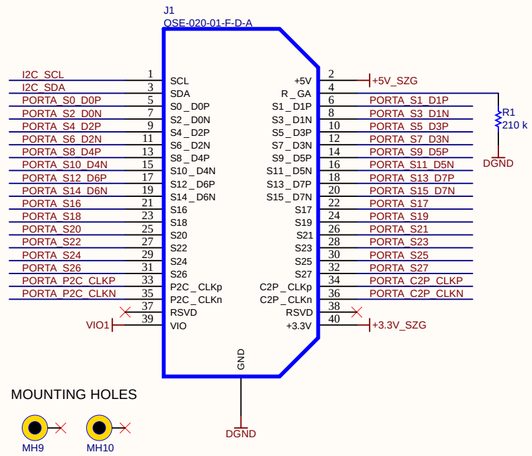
EEPROM





SYZYGY PORT A (VIO1)

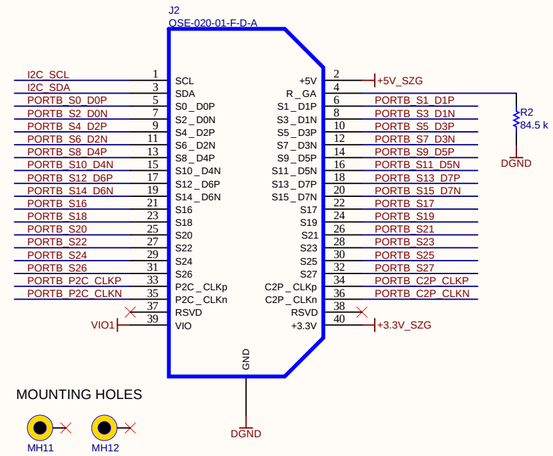
Address 0x30



MOUNTING HOLES

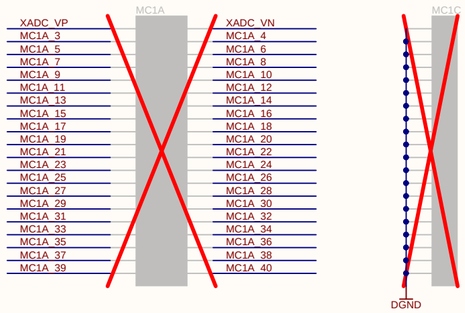
SYZYGY PORT B (VIO1)

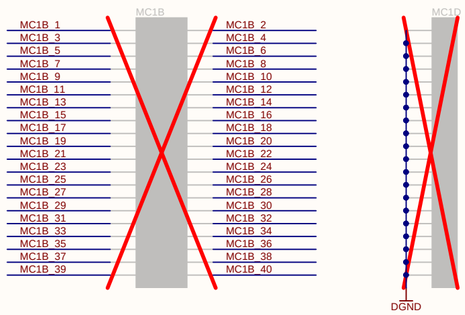
Address 0x31



MOUNTING HOLES

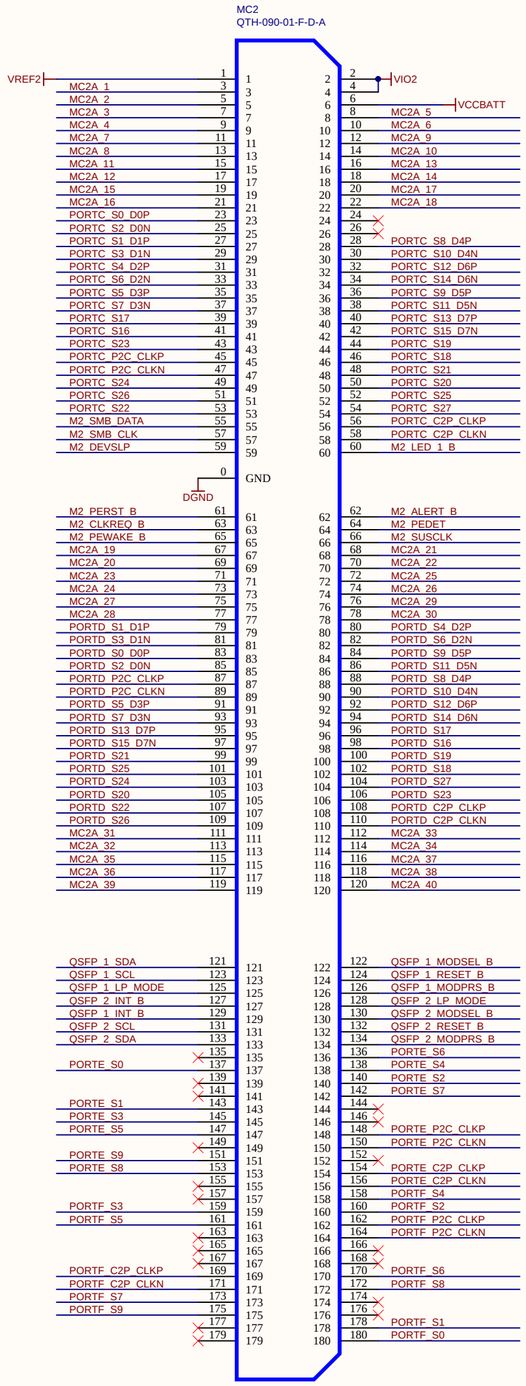
2mm Headers

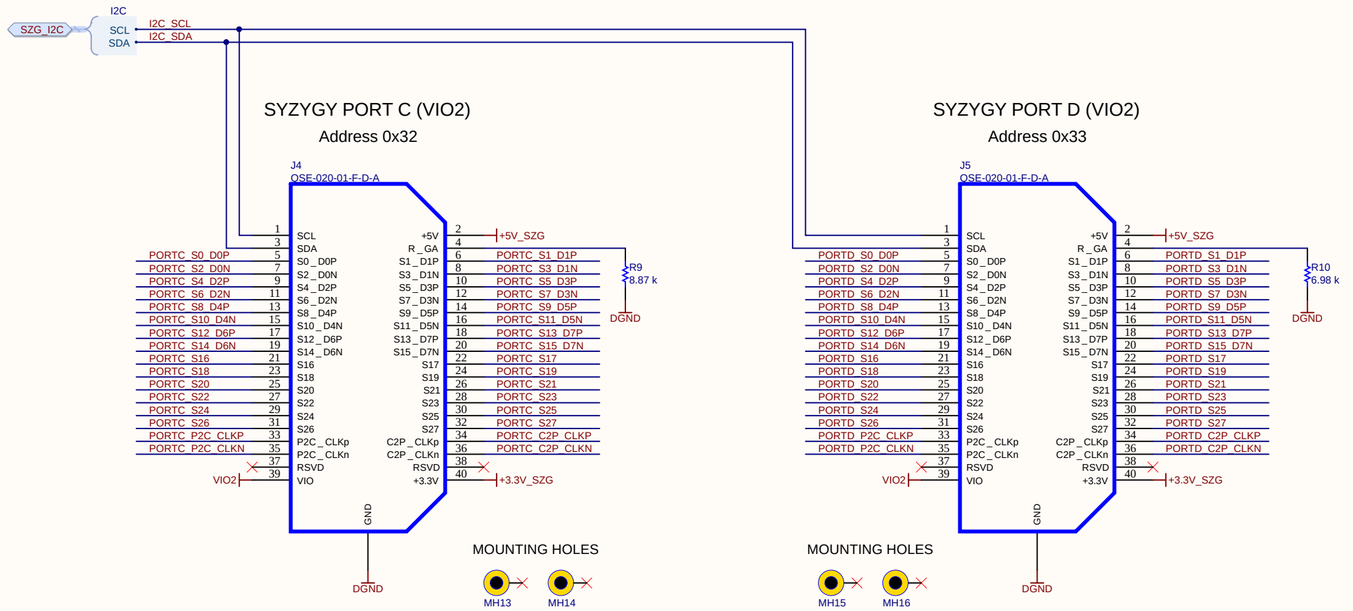




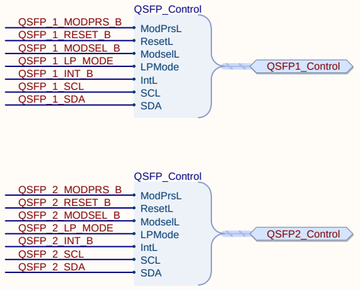
Title	BRK8350 - Mezzanine Connector MC1	Opal Kelly 13500 SW 72nd Ave STE 100 Portland, OR 97223 http://www.opalkelly.com
Size: C		
Date: 11/6/2019	Sheet 2 of 7	

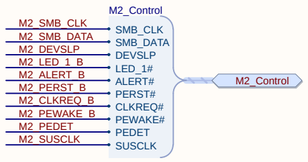
Mezzanine Connector MC2



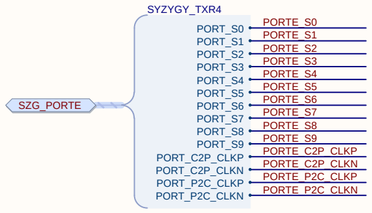


2mm Headers

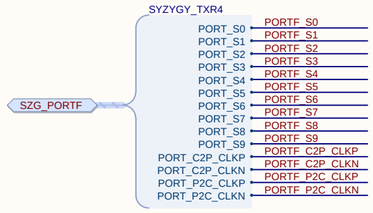




SYZYGY PORT E



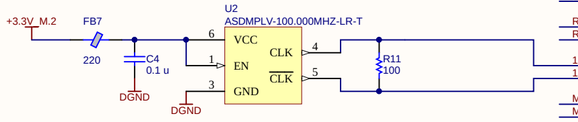
SYZYGY PORT F



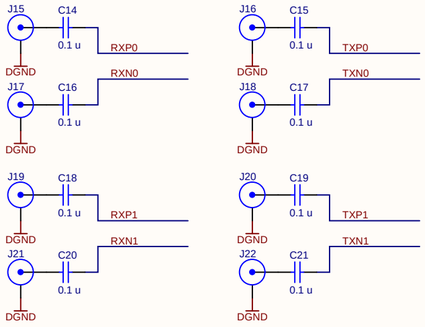
Title: **BRK8350 - Mezzanine Connector MC2**			Opal Kelly 13500 SW 72nd Ave STE 100 Portland, OR 97223 http://www.opalkelly.com
Size: C	Number: xxx	Revision: 1	
Date: 11/6/2019 Time: 5:32:38 PM		Sheet 3 of 7	
File: C:\Users\Nick\work\svn\BreakoutBoards\trunk\BRK8350-PCB\MC2.SchDoc			

Mezzanine Connector MC3

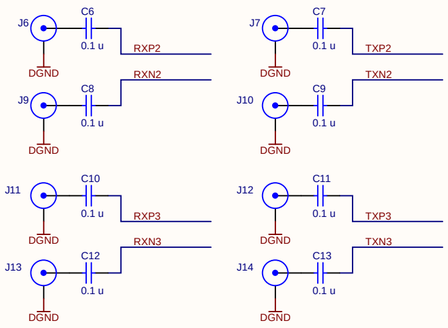
100 MHz Oscillator



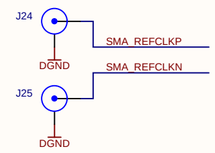
U.FL Connectors



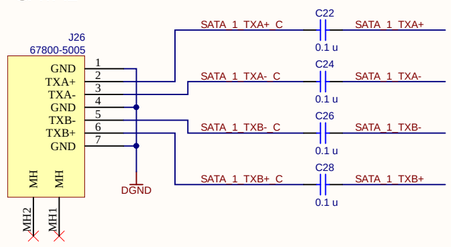
SMA Connectors



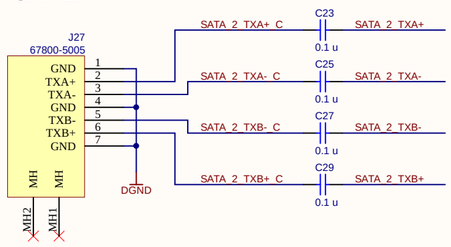
External REFCLK

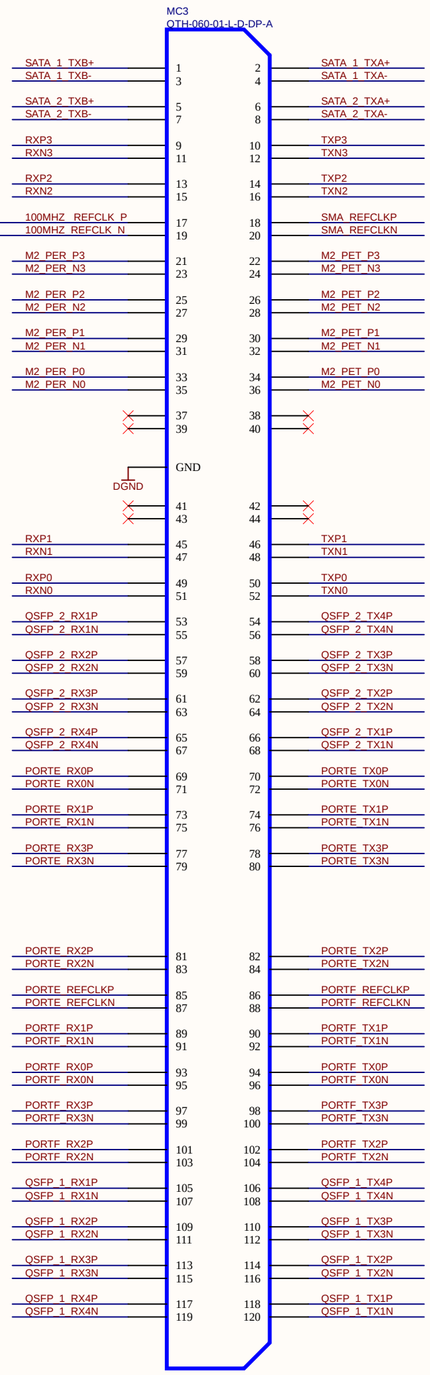


SATA1

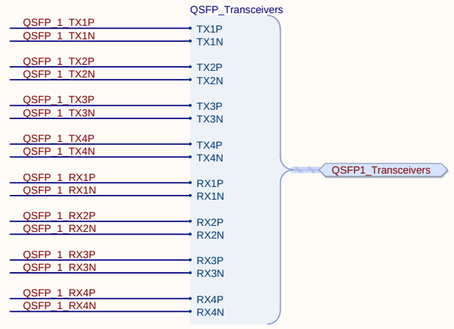


SATA2

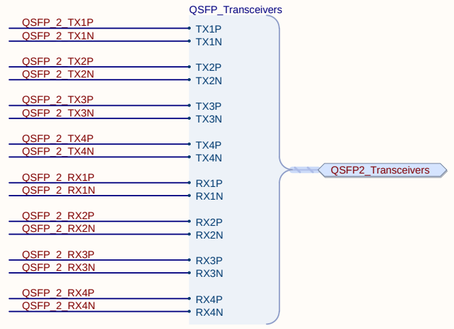




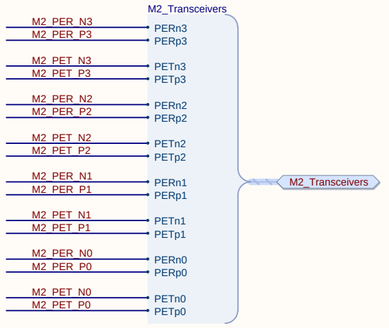
QSFP1 Transceivers



QSFP2 Transceivers

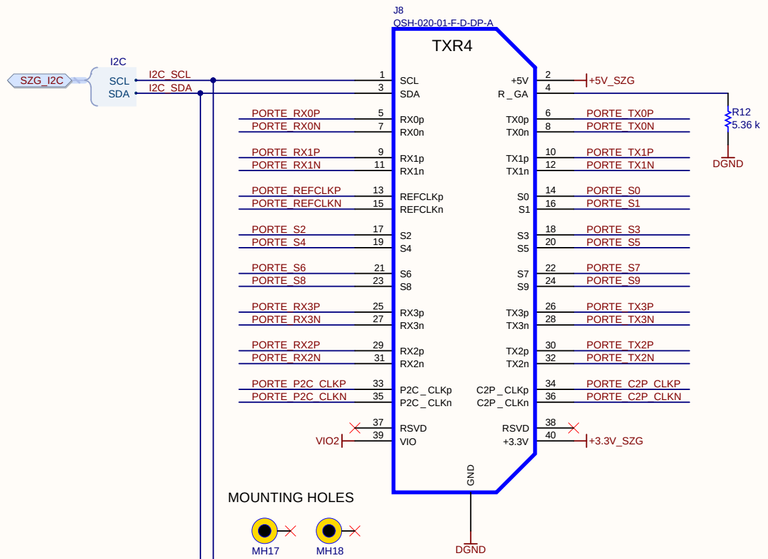


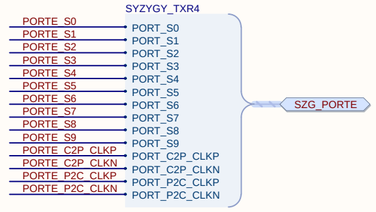
M.2 Transceivers



SYZYGY PORT E (VIO2)

Address 0x34

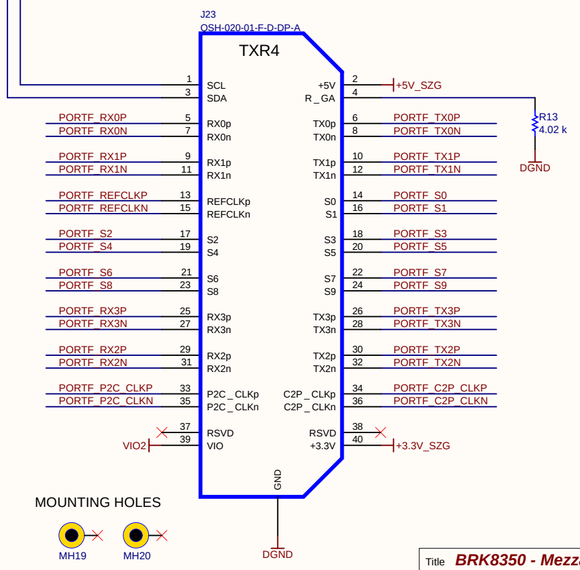


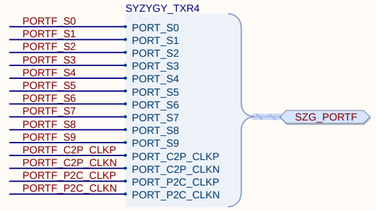


MOUNTING HOLES

SYZYGY PORT F (VIO2)

Address 0x35



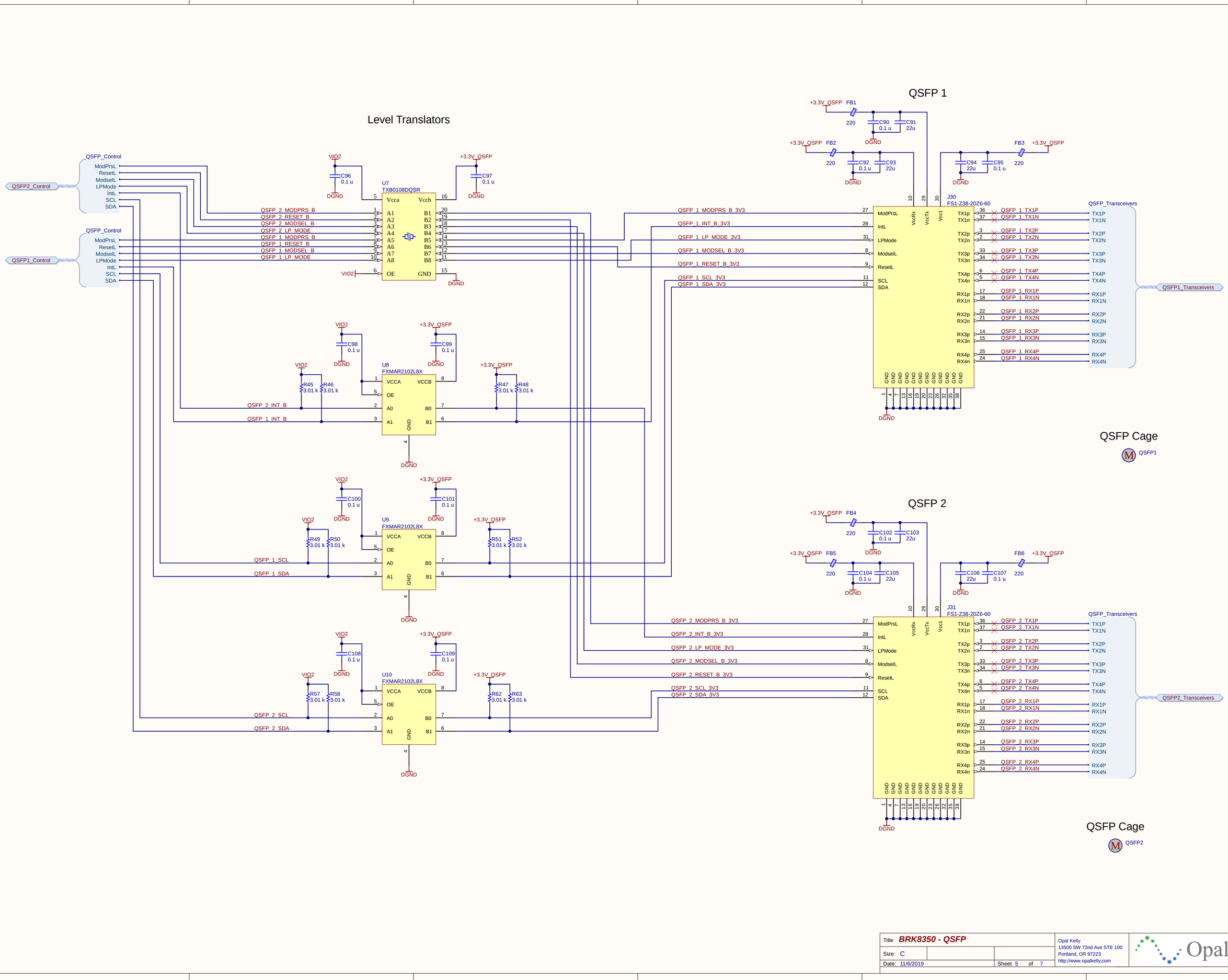


MOUNTING HOLES

Title	BRK8350 - Mezzanine Connector MC3	
Size: C		
Date: 11/6/2019	Sheet 4 of 7	

Opal Kelly
13500 SW 72nd Ave STE 100
Portland, OR 97223
http://www.opalkelly.com

Opal Kelly

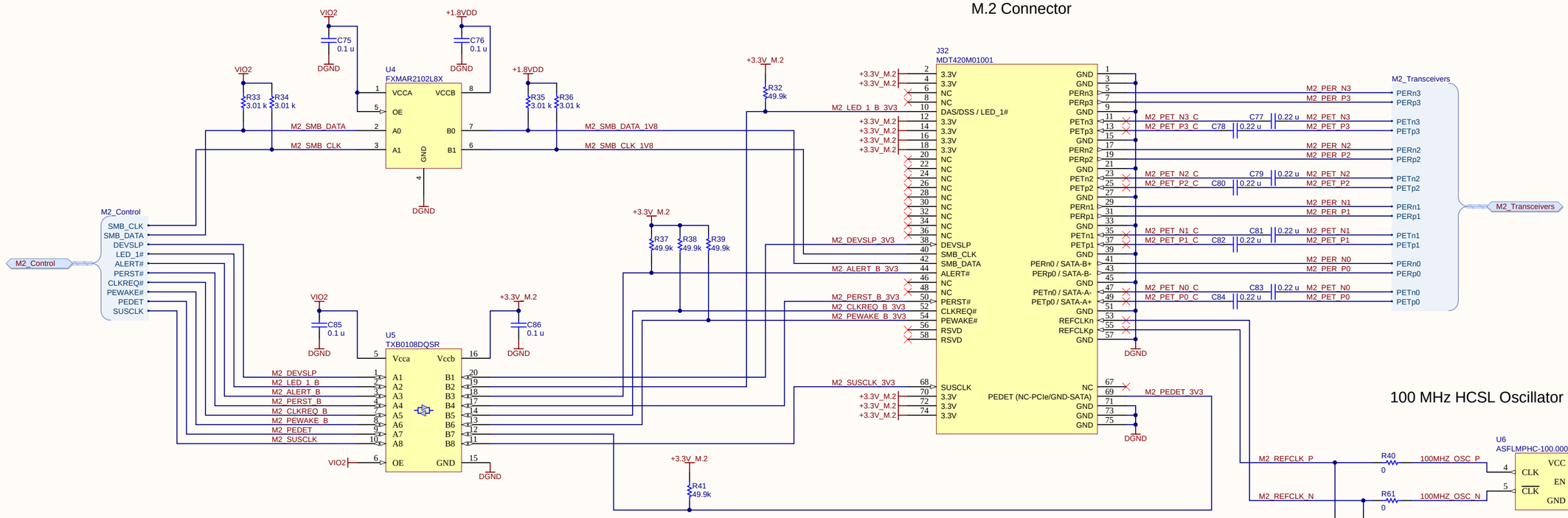


Title	BRK8350 - QSFP
Size:	C
Date:	11/6/2019
Sheet	5 of 7

Opal Kelly
13500 SW 72nd Ave STE 100
Portland, OR 97223
http://www.opalkelly.com

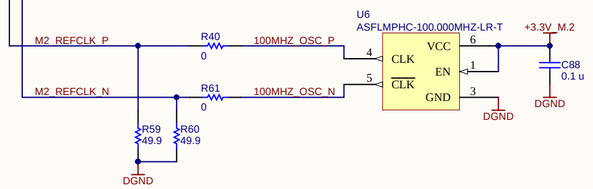
Opal Kelly

Level Translators

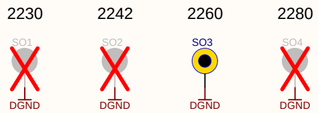


M.2 Connector

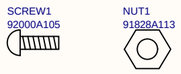
100 MHz HCSL Oscillator



M.2 Standoffs



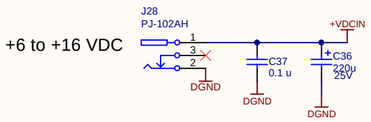
M.2 Mounting Hardware



Title: **BRK8350 - M.2**			Opal Kelly 13500 SW 72nd Ave STE 100 Portland, OR 97223 http://www.opalkelly.com
Size: C			
Date: 11/6/2019		Sheet 6 of 7	

Switching Power Supply

Power Jack



Power LED

Title	**BRK8350 - Power**		Opal Kelly 13500 SW 72nd Ave STE 100 Portland, OR 97223 http://www.opalkelly.com
Size: C			
Date: 11/6/2019		Sheet 7 of 7	