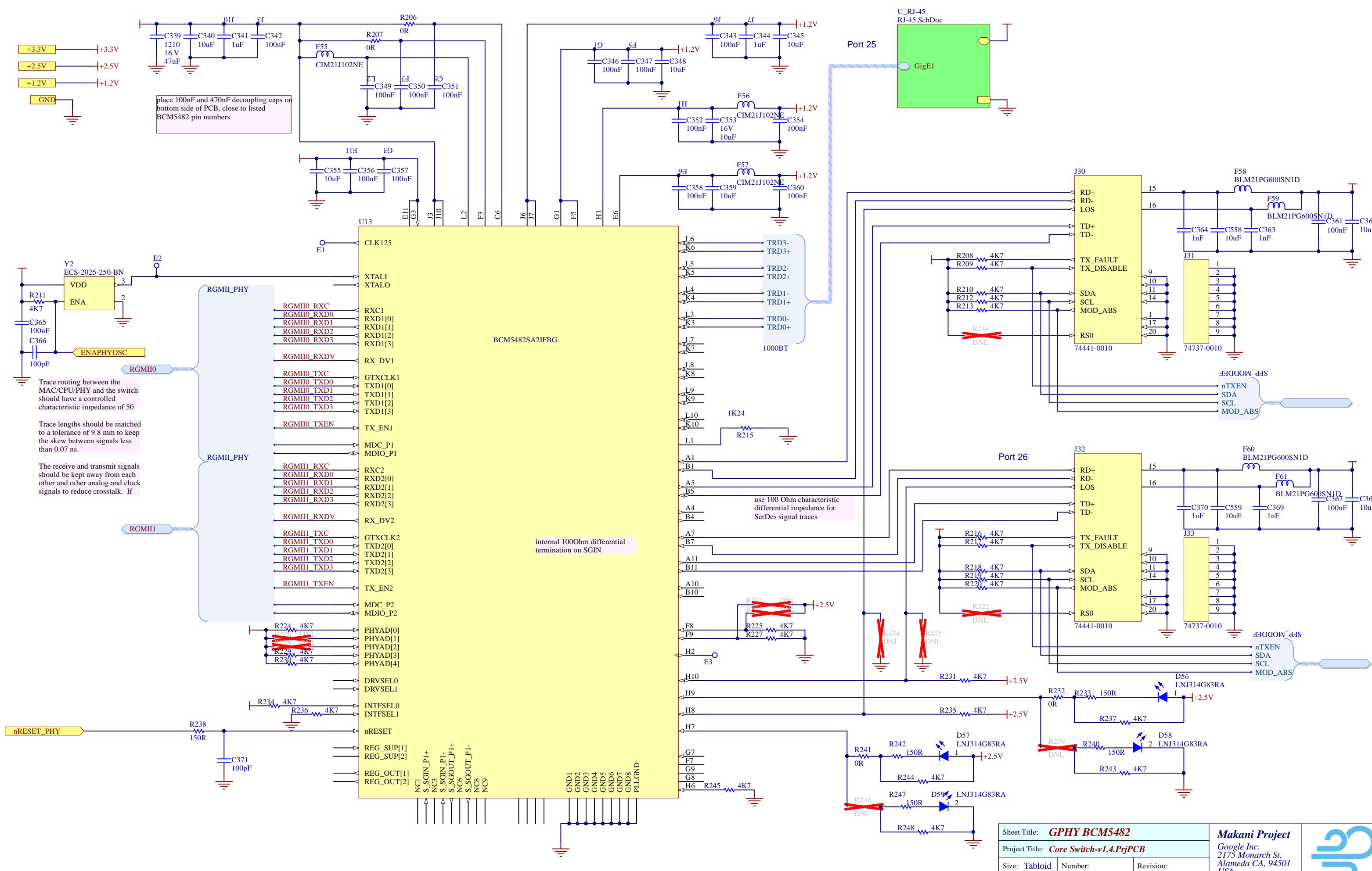
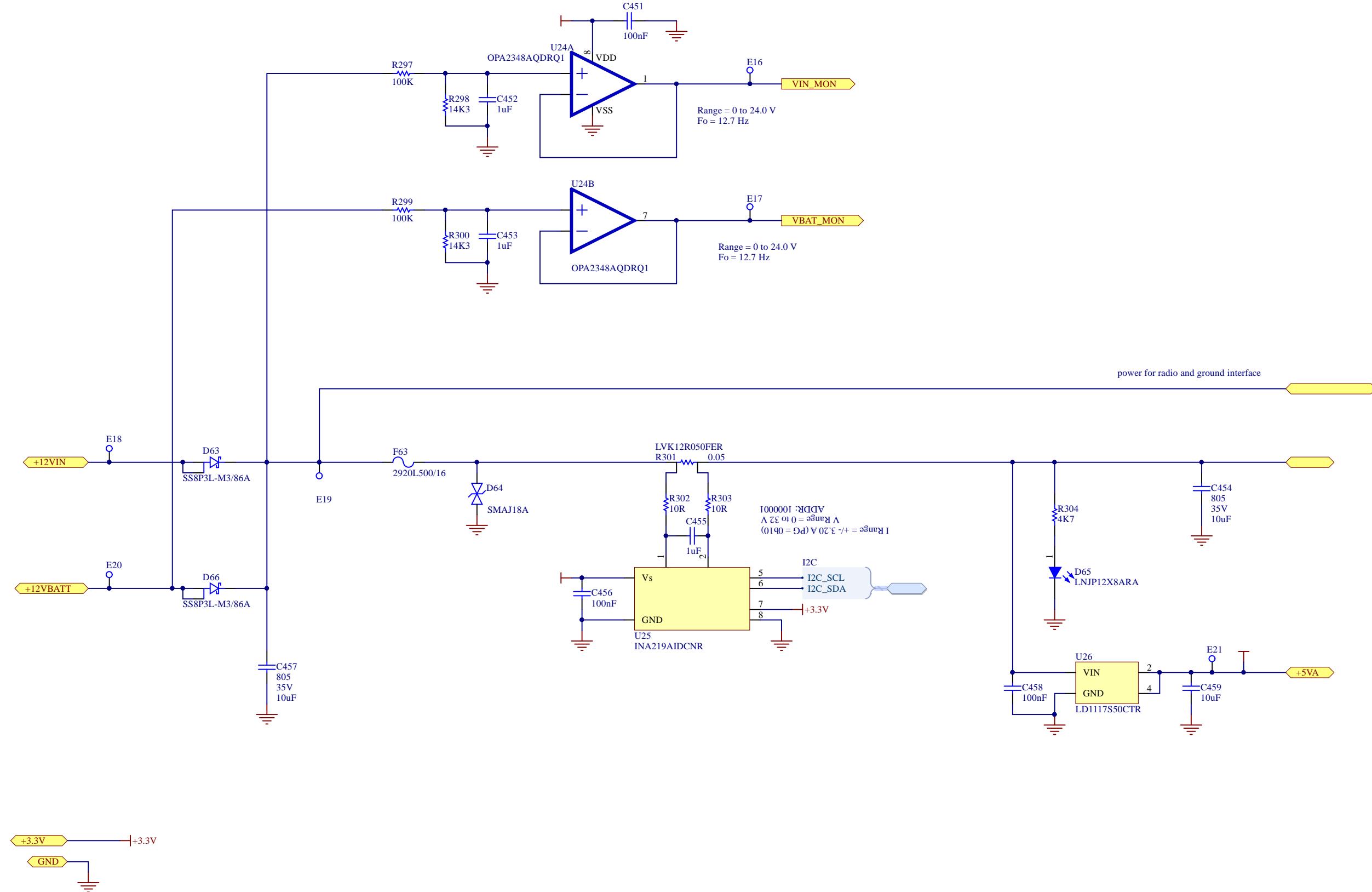


Sheet Title:	Core Switch Top Level	
Project Title:	Core Switch-v1.4.PrjPCB	
Size:	Tabloid	Number:
Date:	8/3/2020	Revision:
Author:	KFH	File: CoreSwitchTop-Level.SchDoc





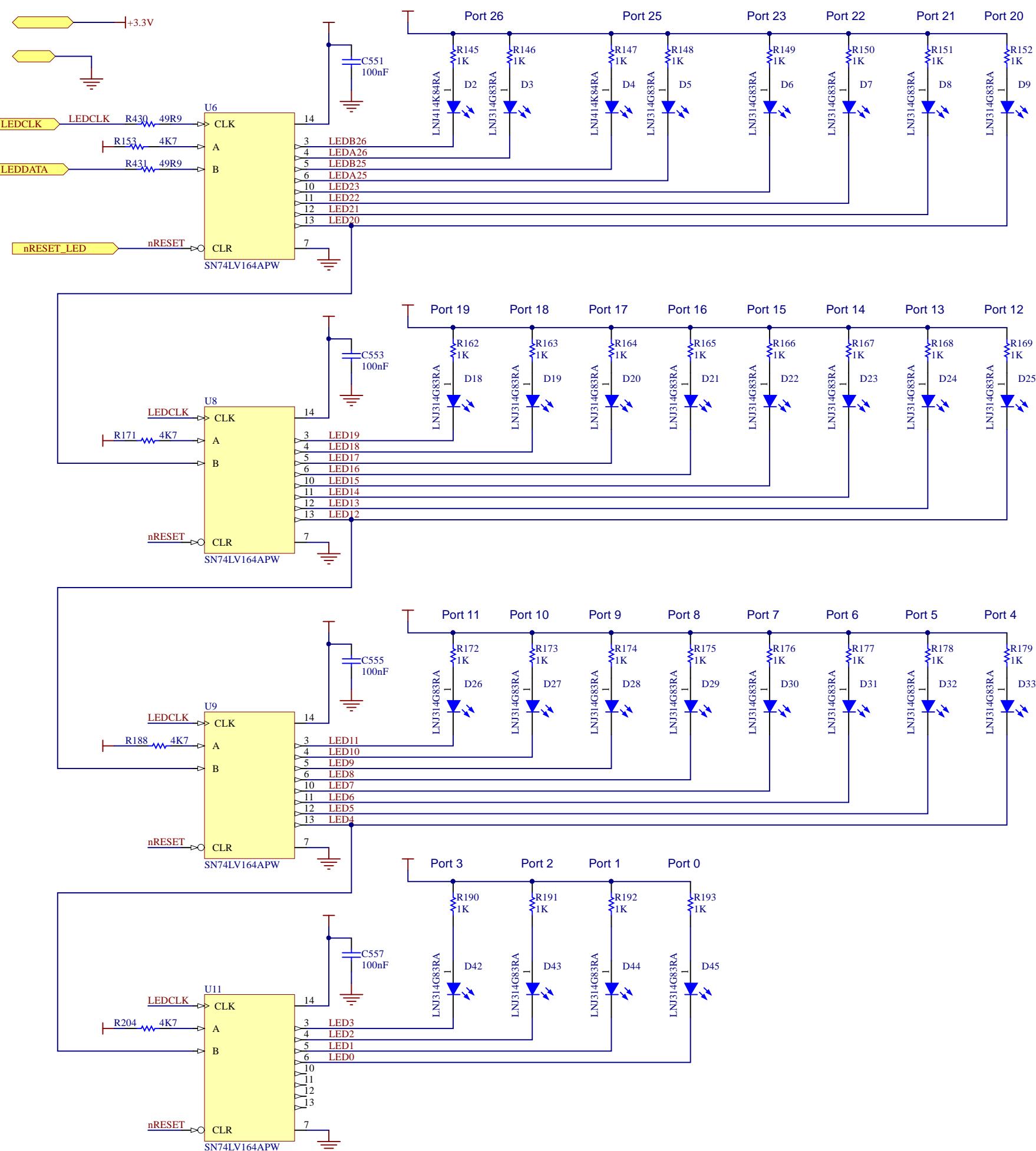
Sheet Title: GPHY BCM5482		
Project Title: Core Switch-v1.4.PrfPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:04 PM	Sheet 3 of 20
Author: KFH	File: GIGEPHY.SchDoc	



Sheet Title: Input Power		
Project Title: Core Switch-v1.4.PrjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:06 PM	Sheet 4 of 20
Author: KFH	File: Input-Power.SchDoc	

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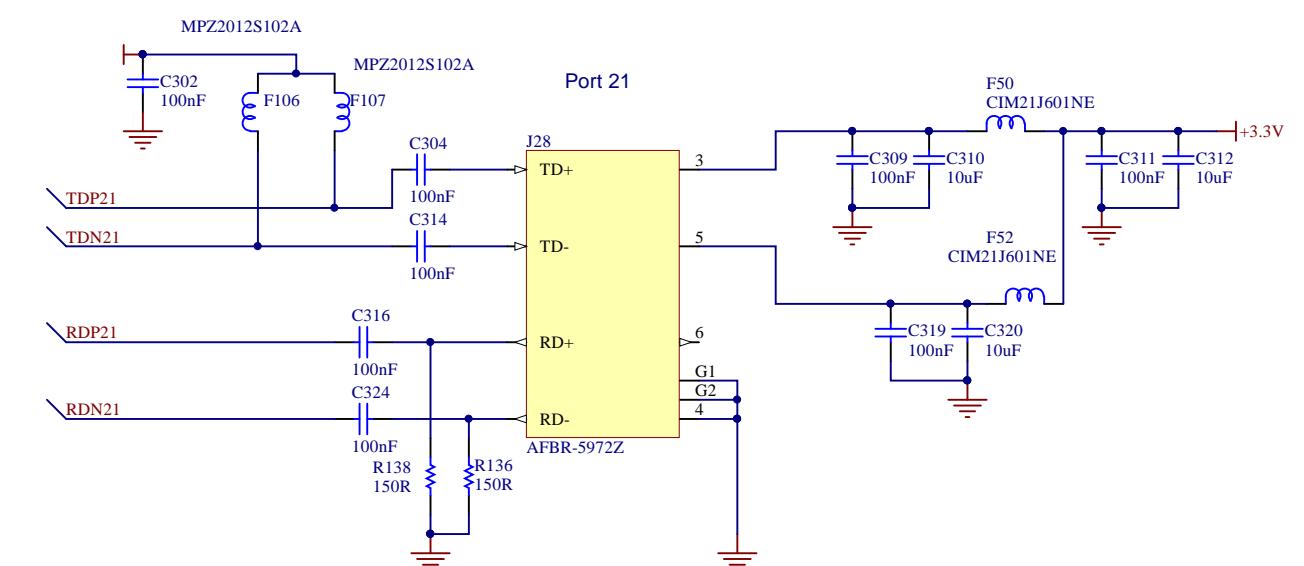
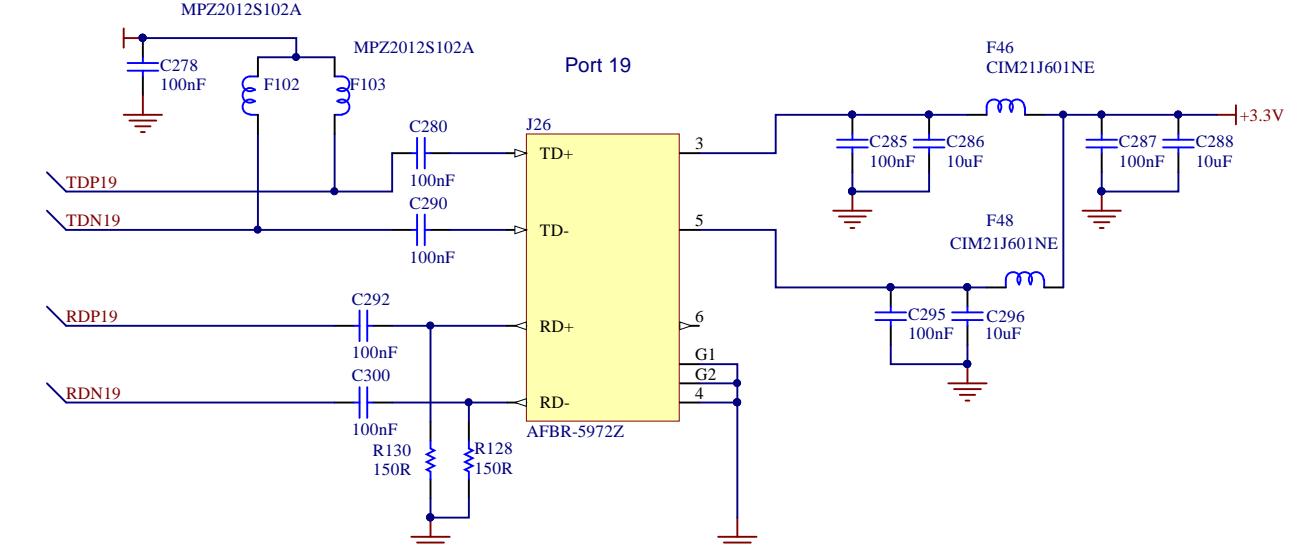
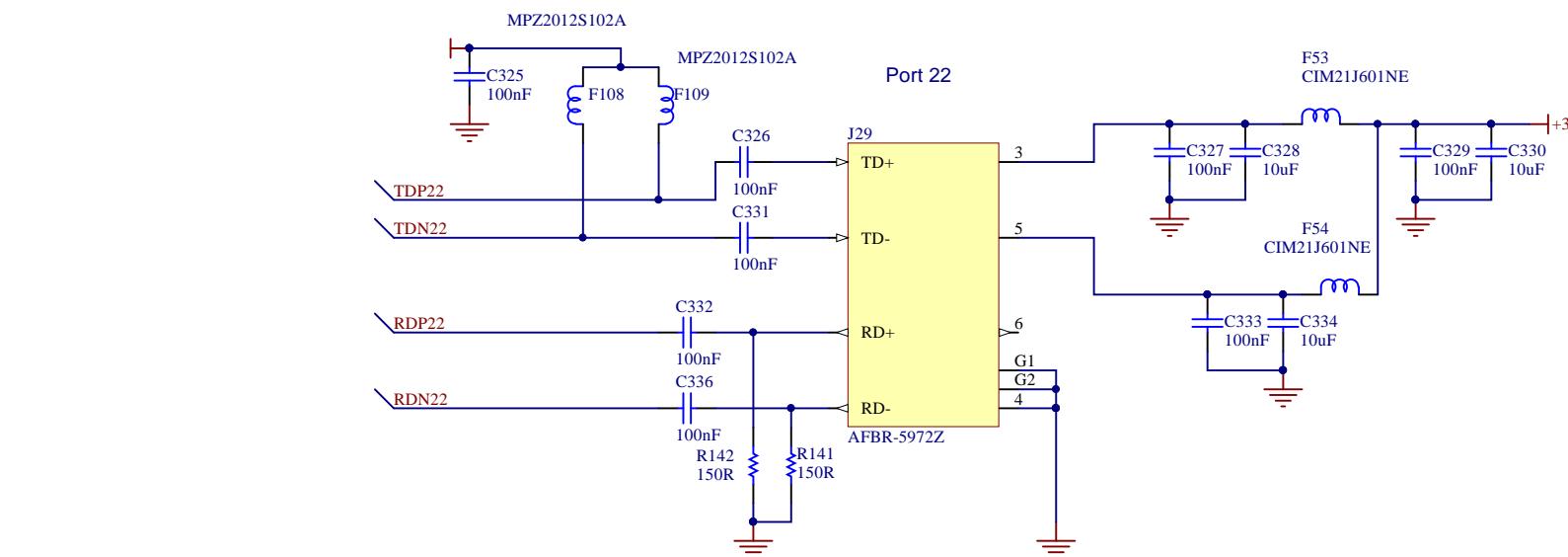
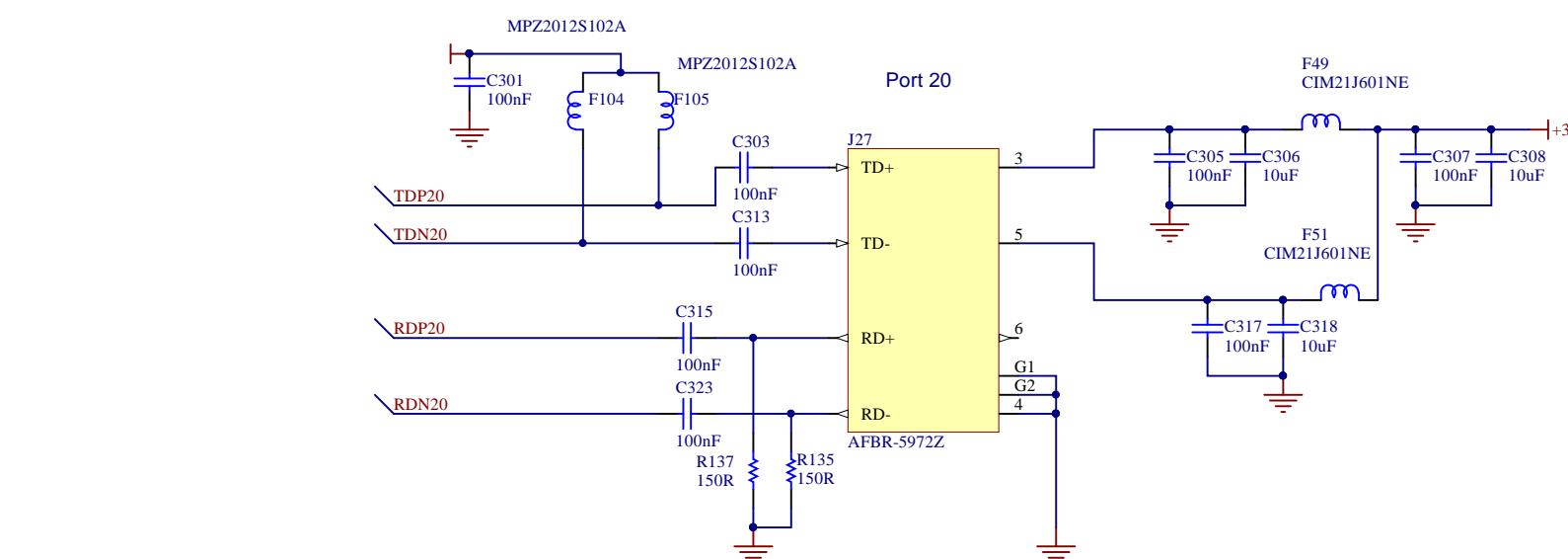
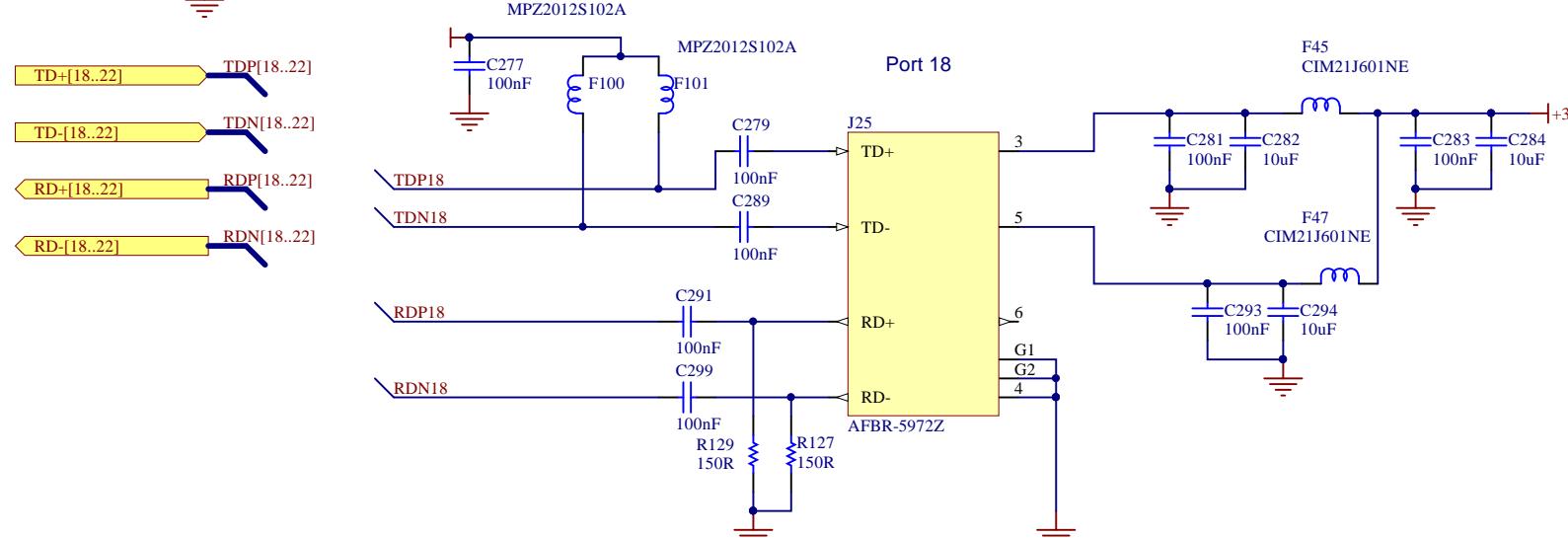
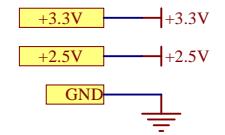


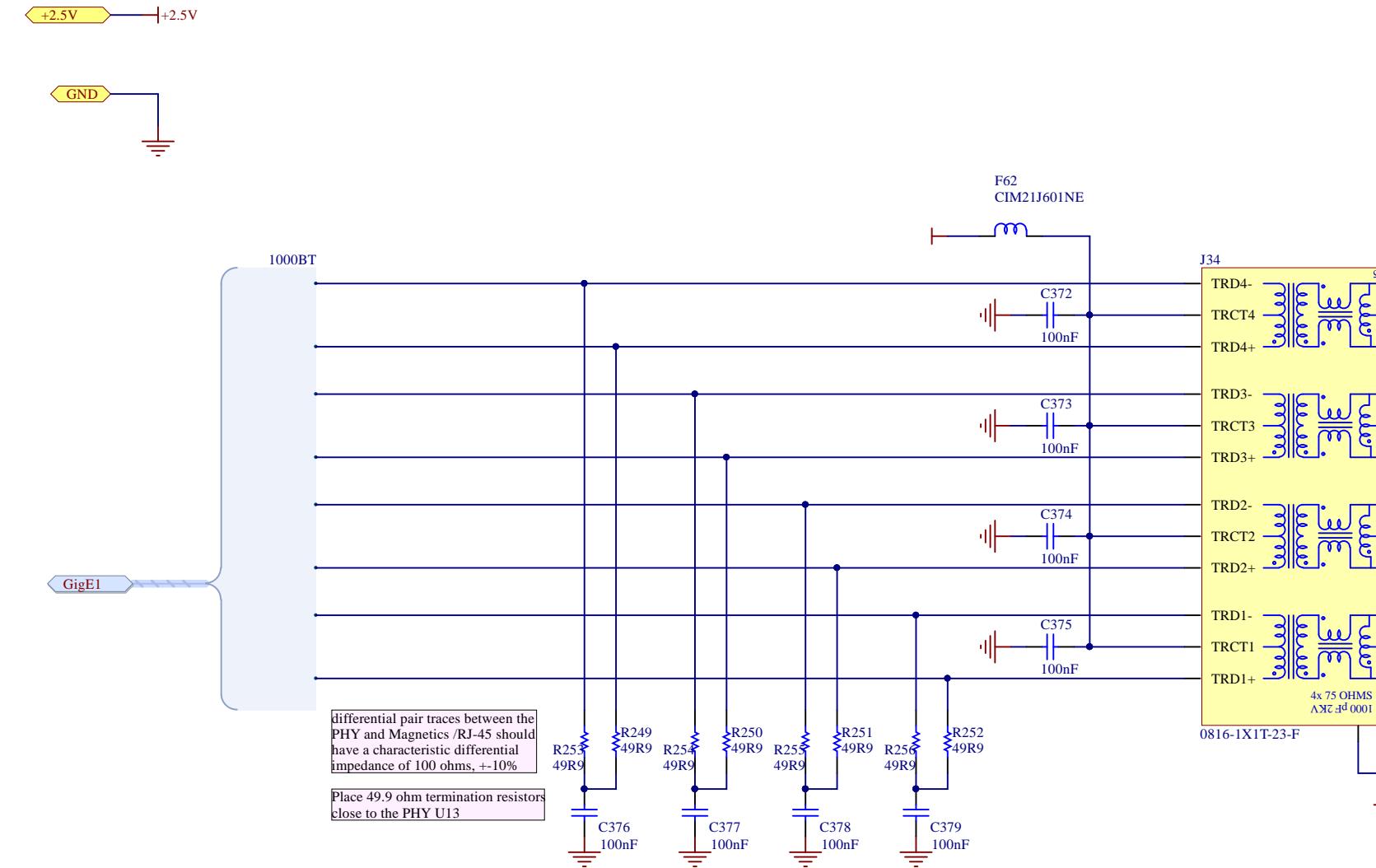


Sheet Title: 24 FE PORT LED-DEMUX		
Project Title: Core Switch-v1.4.PrjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:07 PM	Sheet 5 of 20

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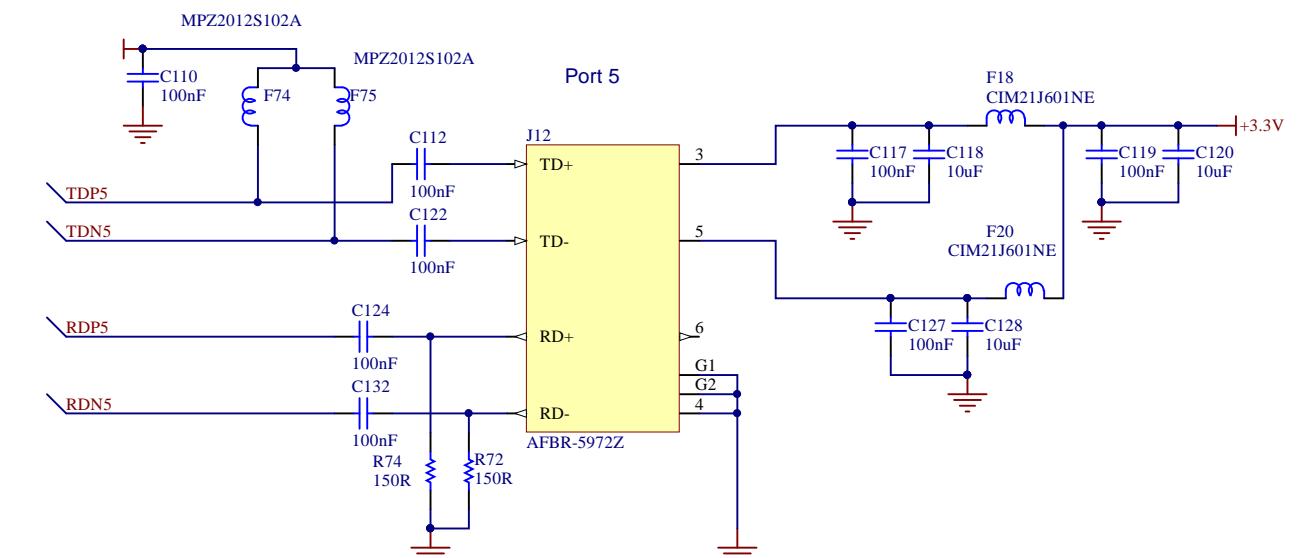
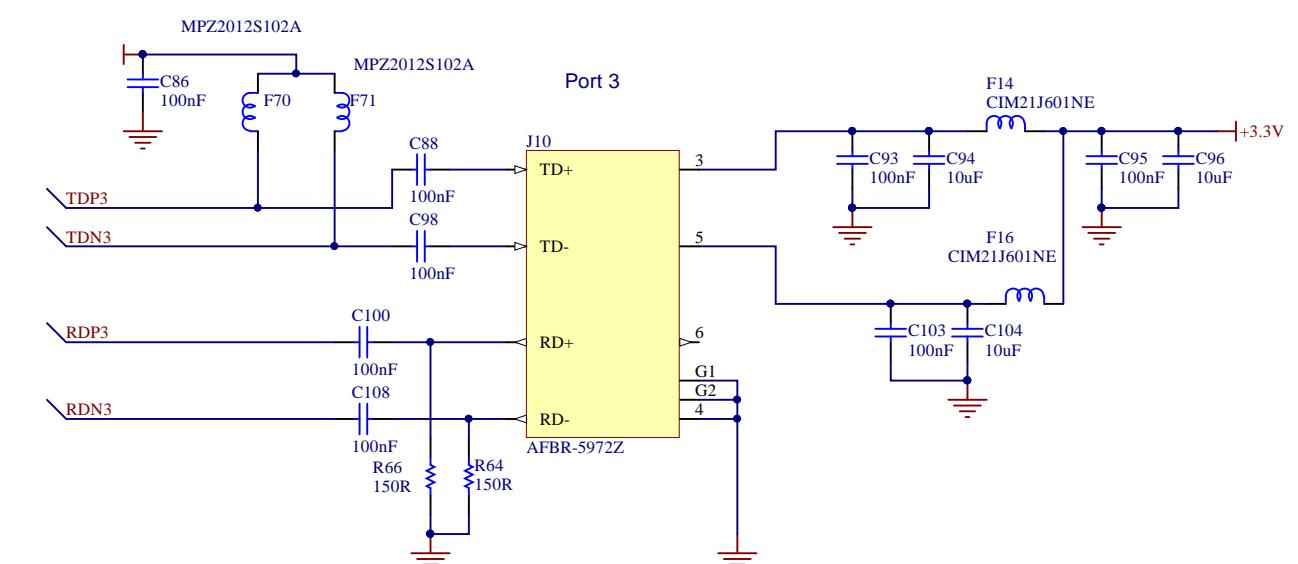
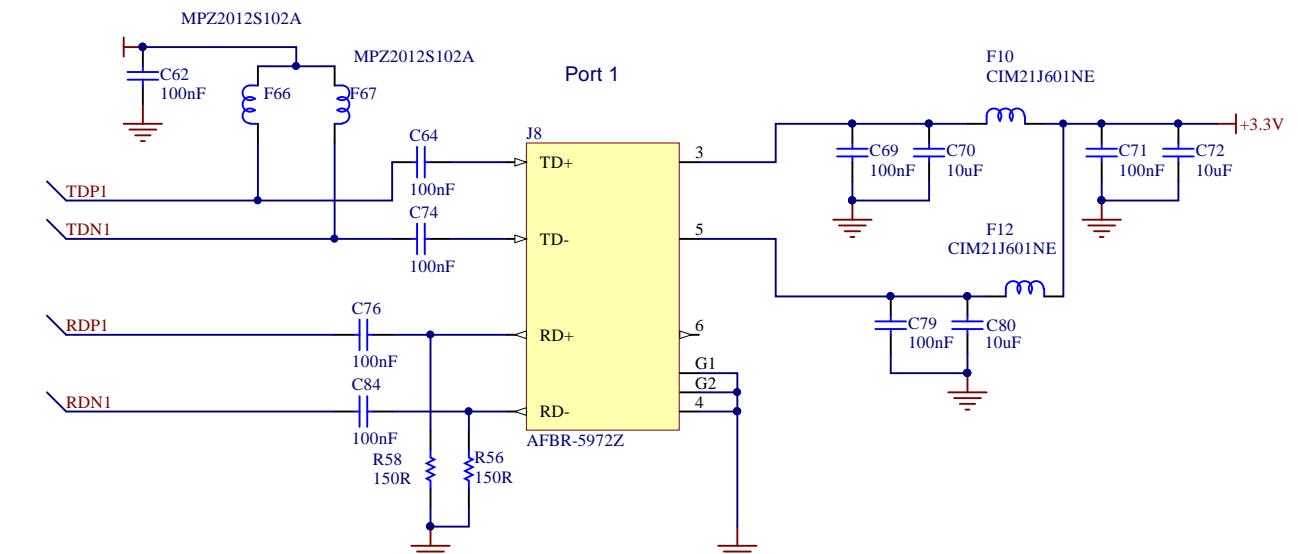
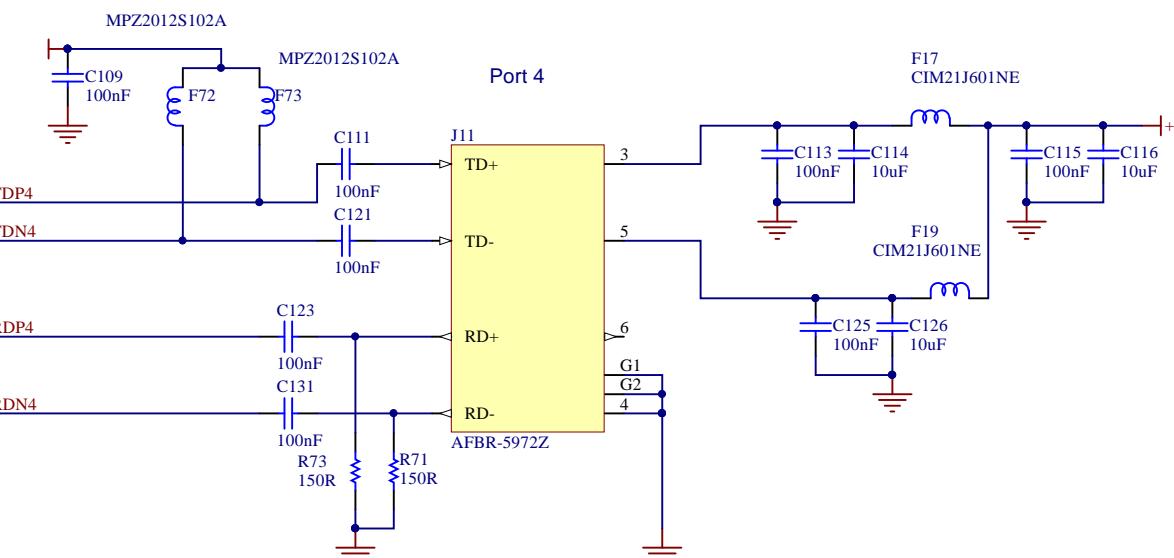
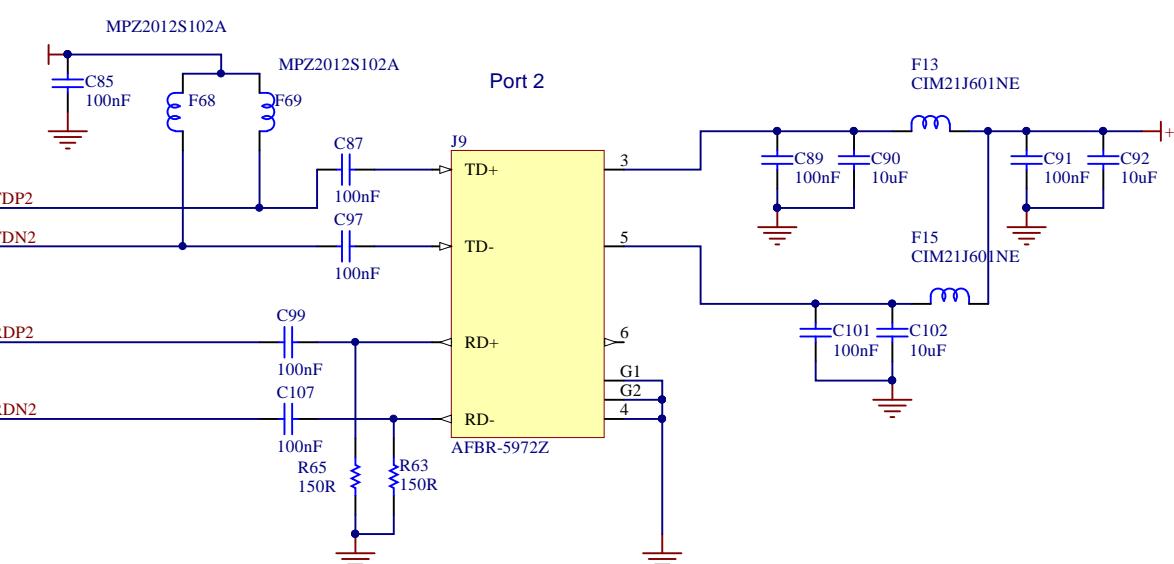
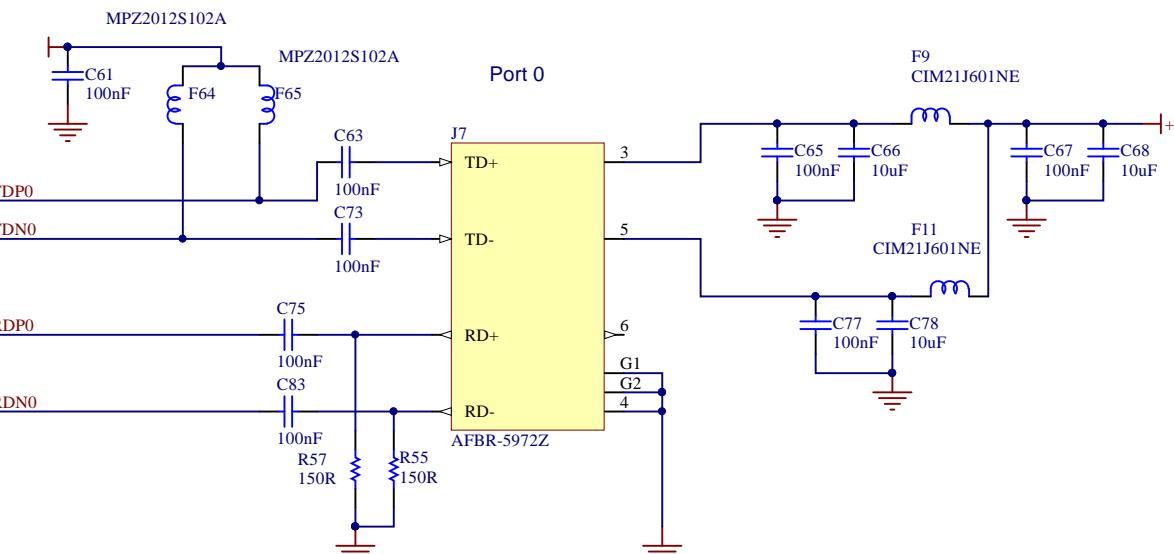




Sheet Title: AUXILIARY 1000BT		
Project Title: Core Switch-v1.4.PrjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:10 PM	Sheet 10 of 20
Author: KFH	File: RJ-45.SchDoc	

+3.3V
 +2.5V
 GND

TD+[0..5] TDP[0..5]
 TD-[0..5] TDN[0..5]
 RD+[0..5] RDP[0..5]
 RD-[0..5] RDN[0..5]

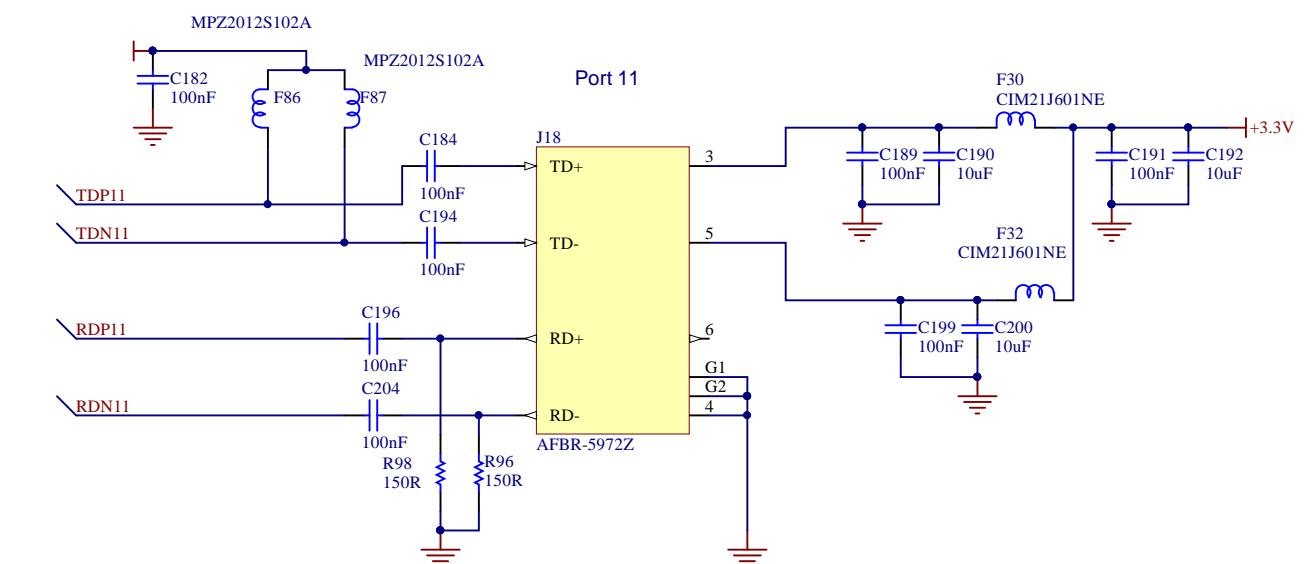
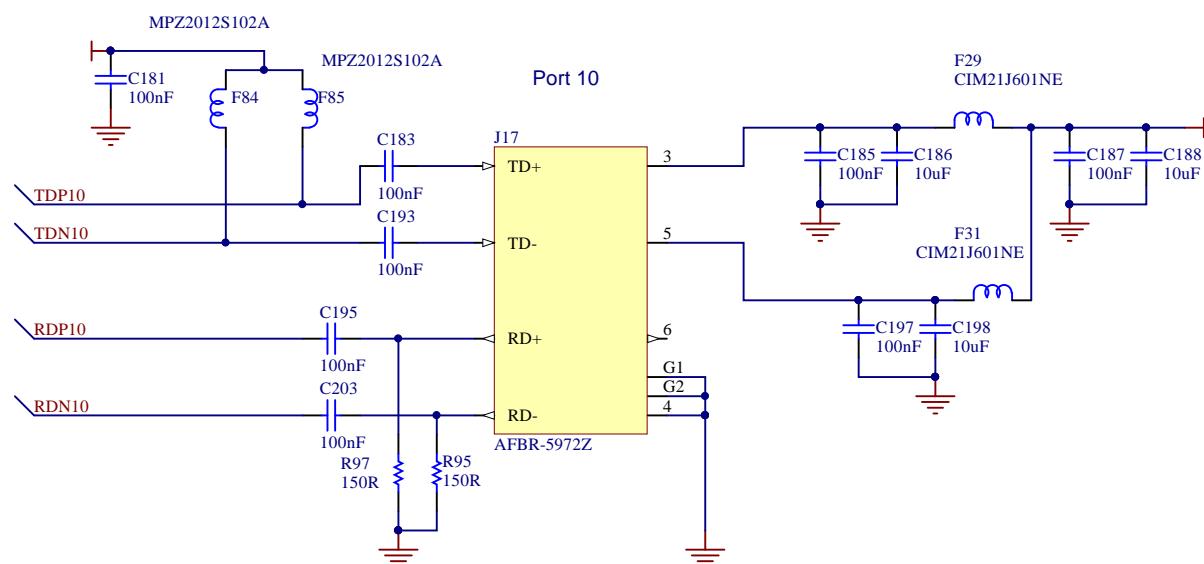
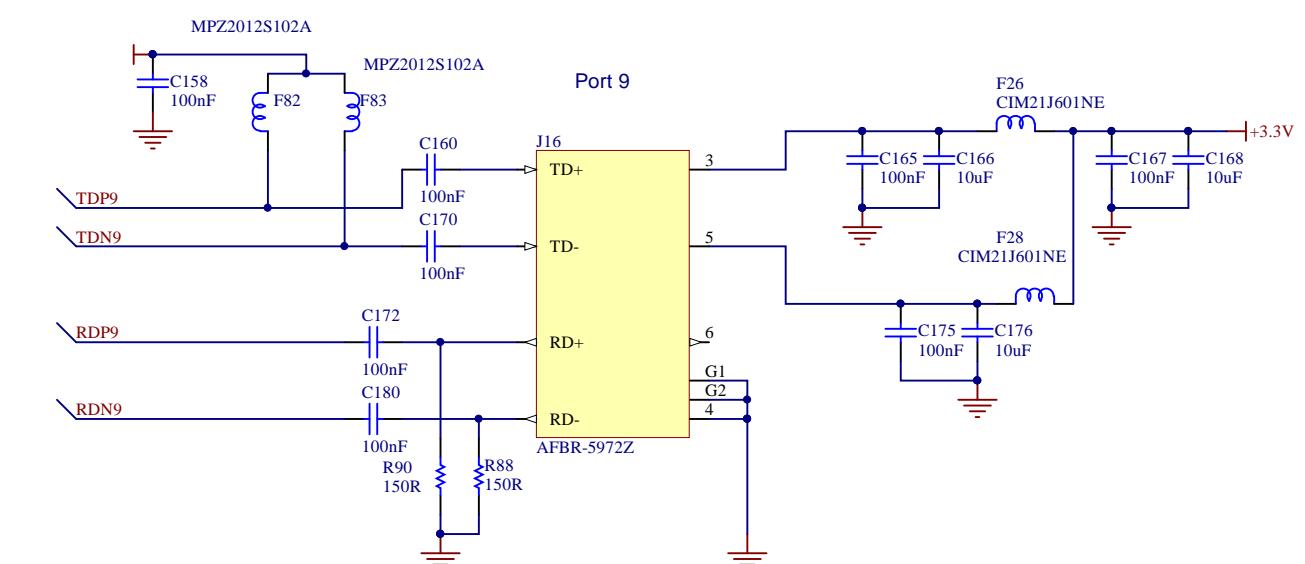
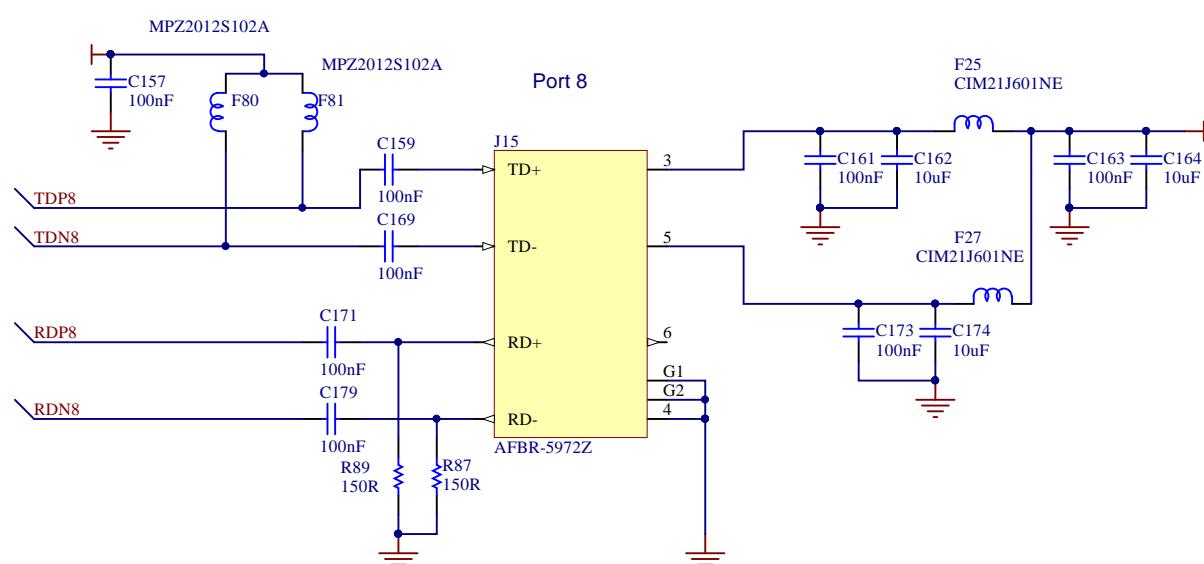
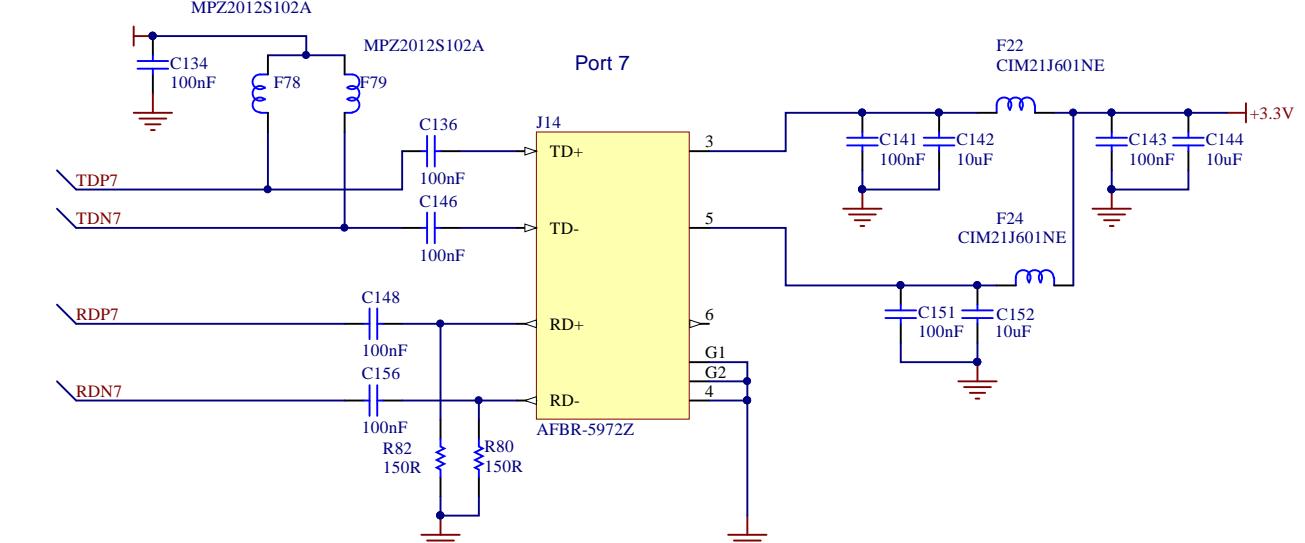
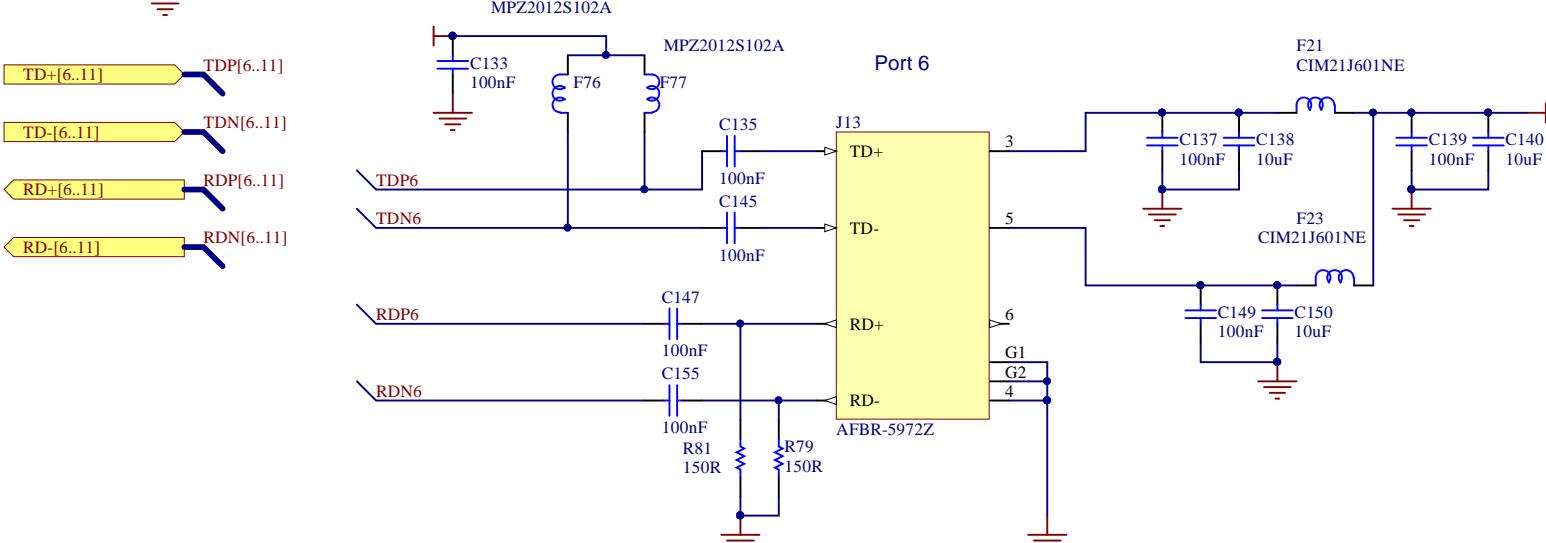


Sheet Title: 100B-FX channels 0 - 5		
Project Title: Core Switch-v1.4.PrjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:11 PM	Sheet 10 of 20

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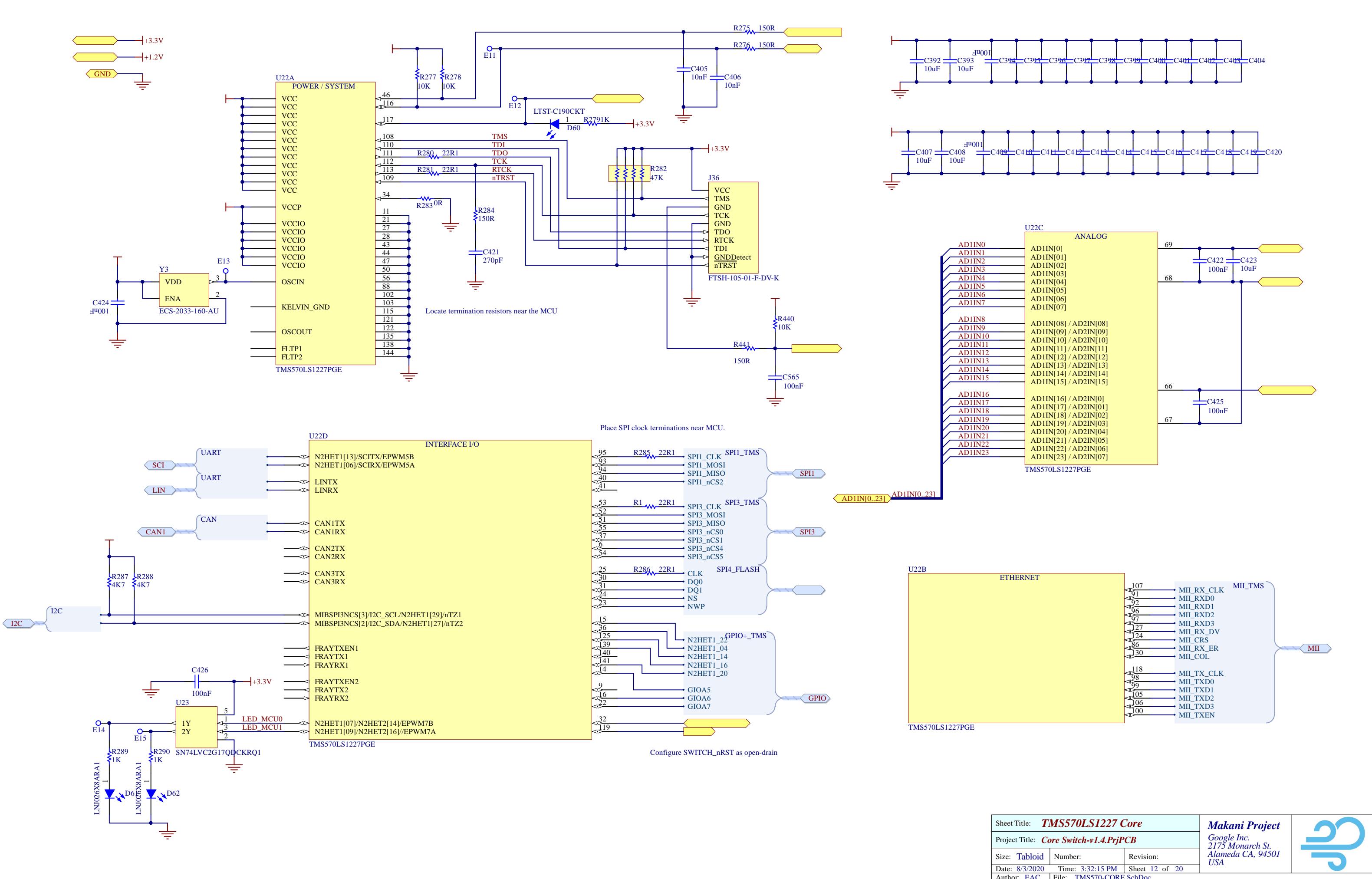
+3.3V
+2.5V
GND

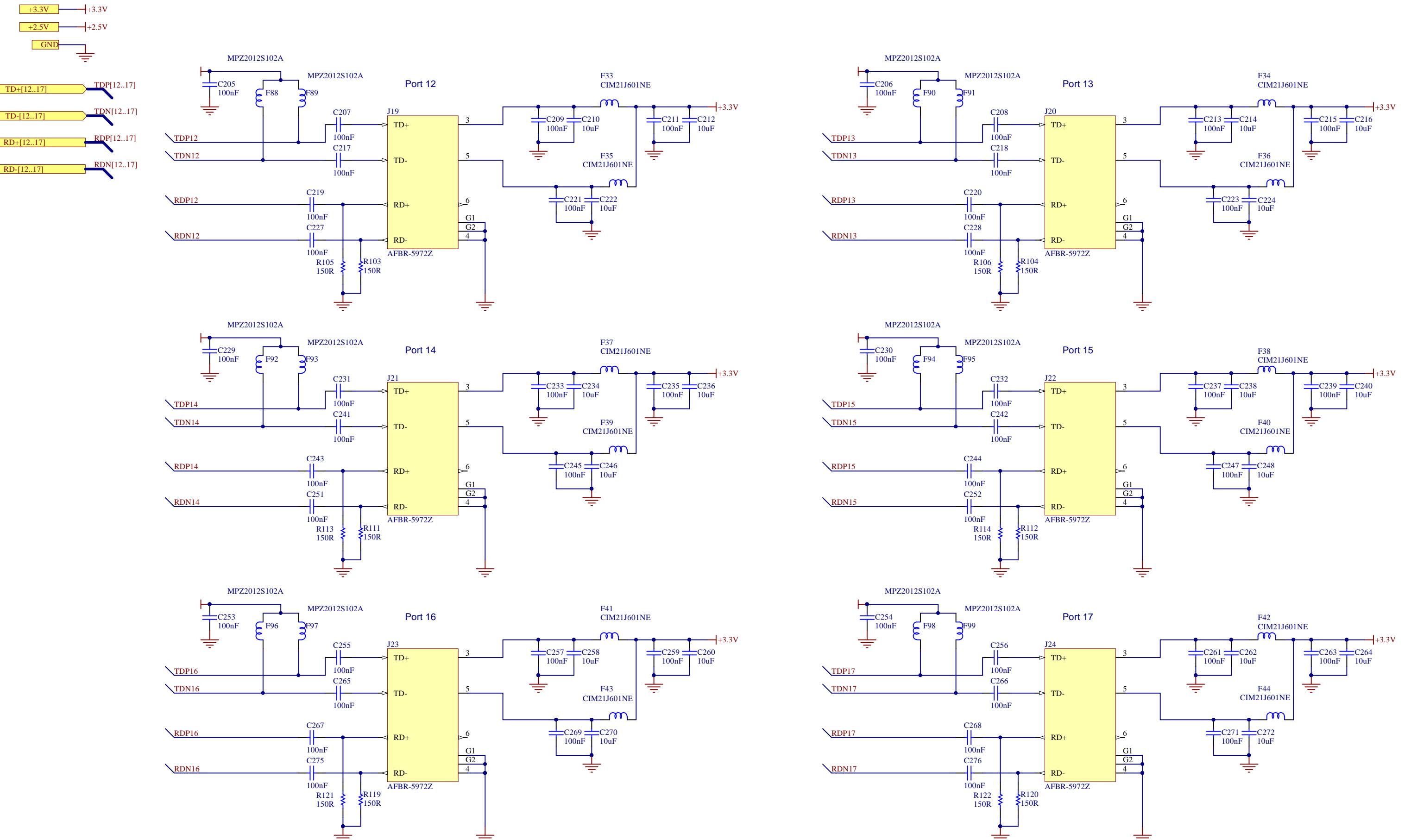


Sheet Title:	100B-FX channels 6 - 11
Project Title:	Core Switch-v1.4.PrjPCB
Size:	Tabloid
Number:	
Revision:	
Date:	8/3/2020
Time:	3:32:13 PM
Sheet:	11 of 20
Author:	KFH
File:	POF-XCVR-6-11.SchDoc

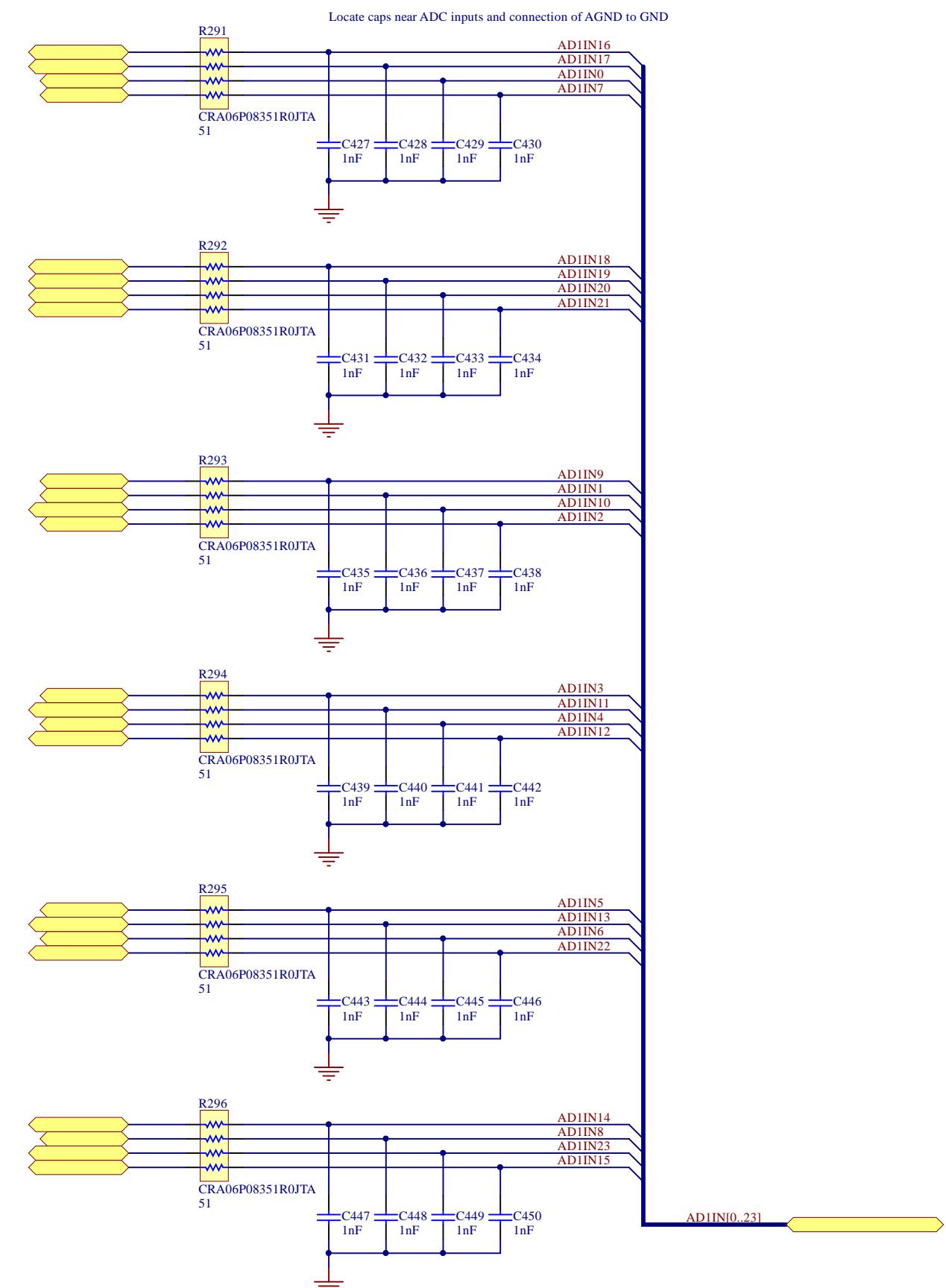
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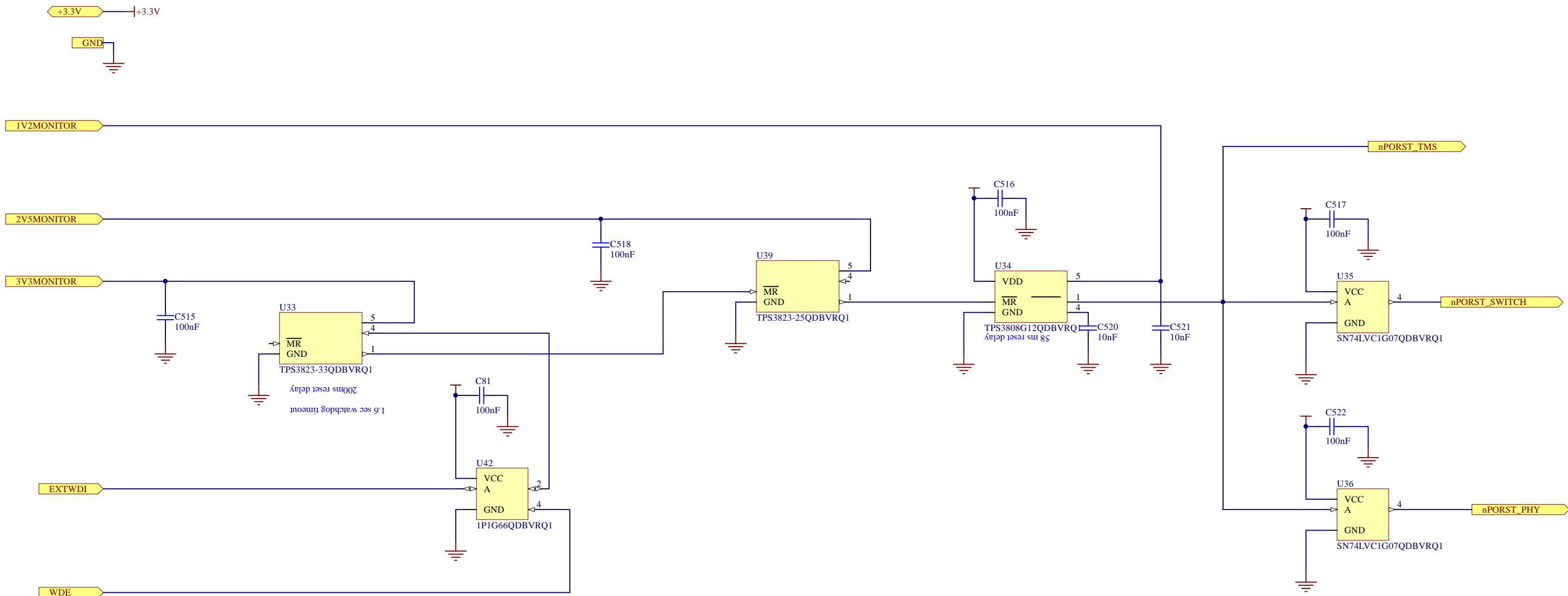
Sheet Title: <i>100B-FX channels 12-17</i>			<i>Makani Project</i> <i>Google Inc.</i> 2175 Monarch St. Alameda CA, 94501 <i>USA</i>
Project Title: <i>Core Switch-v1.4.PrjPCB</i>			
Size:	Tabloid	Number:	Revision:
Date:	8/3/2020	Time:	3:32:18 PM Sheet 12 of 20
Author:	KFH	File:	POF-XCVR-12-17.SchDoc



Sheet Title:	TMS570 ADC INPUT FILTER		
Project Title:	Core Switch-v1.4.PrjPCB		
Size:	Tabloid	Number:	Revision:
Date:	8/3/2020	Time:	3:32:19 PM
Author:	EAC	File:	ADC-INPUT-FILT-TMS570.SchDoc

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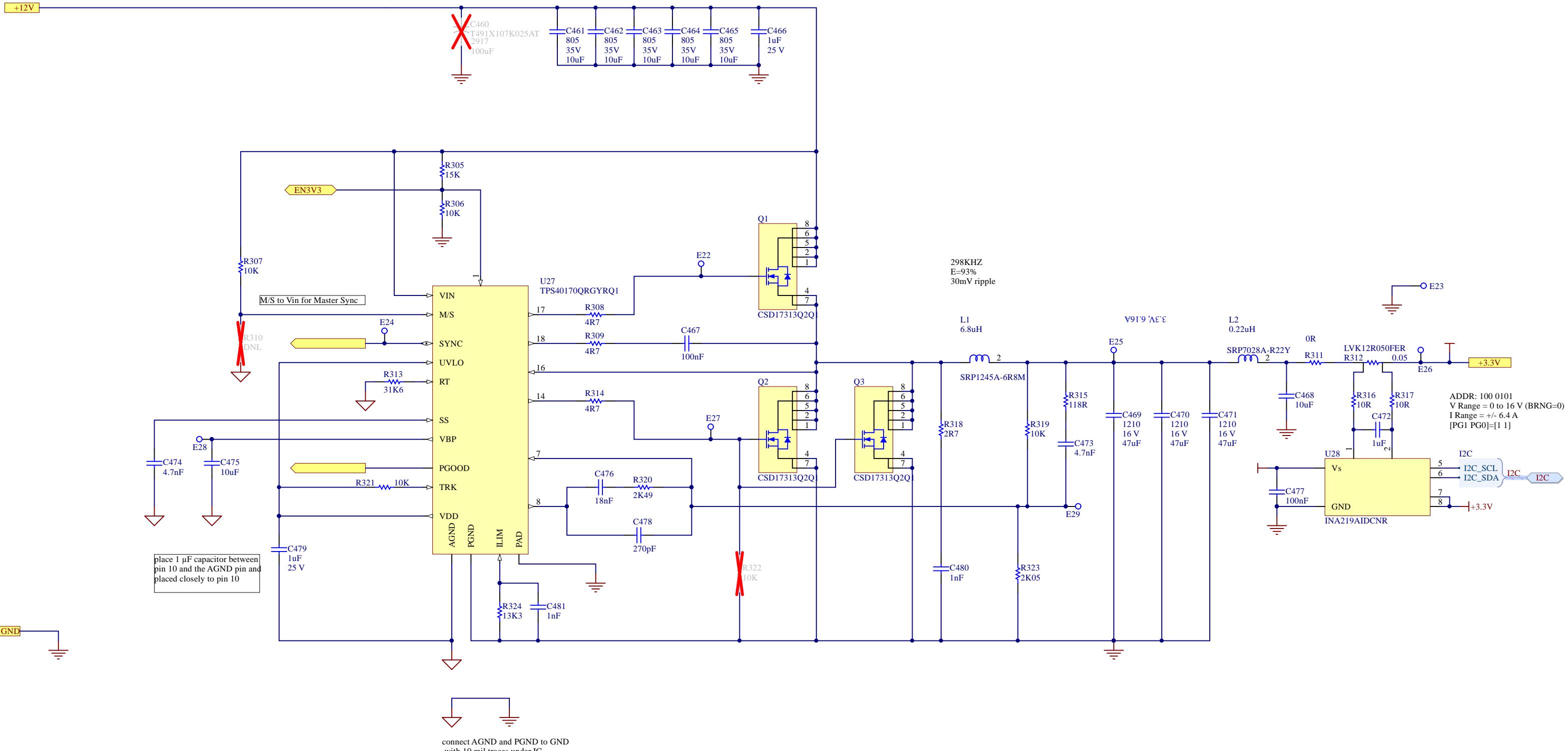




Sheet Title: Power-on reset, watchdog
Project Title: Core Switch-v1.4.PrjPCB
Size: Tabloid
Date: 8/3/2020

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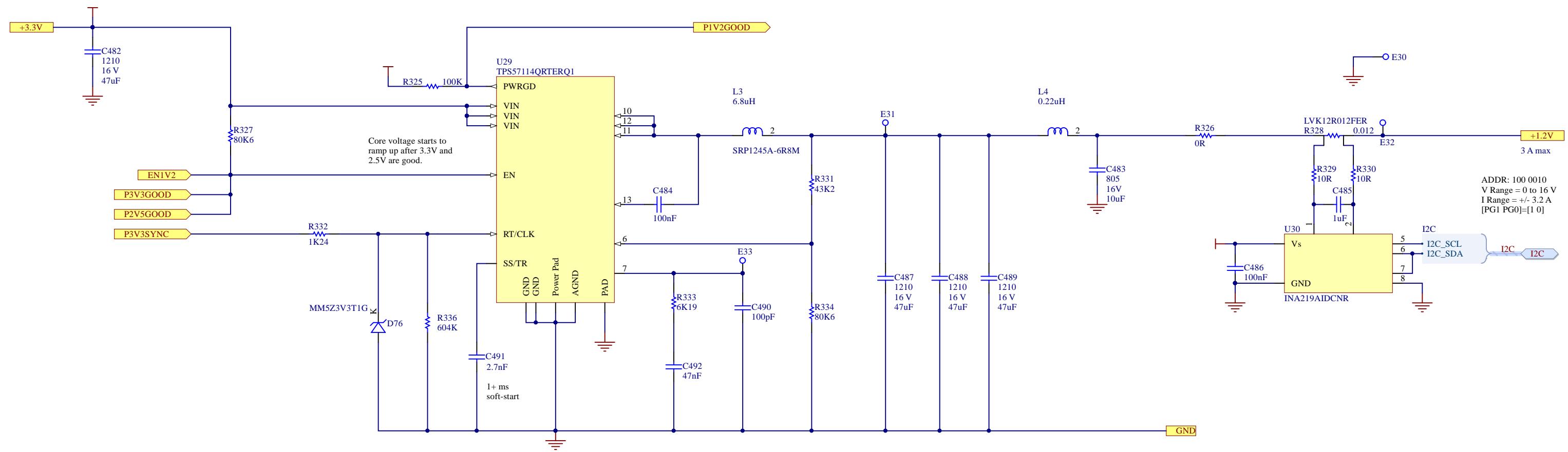




Sheet Title: 3.3 Volt, 6 Amp Power Supply		
Project Title: Core Switch-v1.4.PrtPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:21 PM	Sheet 15 of 20
Author: KFH	File: TPS40170-Q1-3V3-6A.SchDoc	

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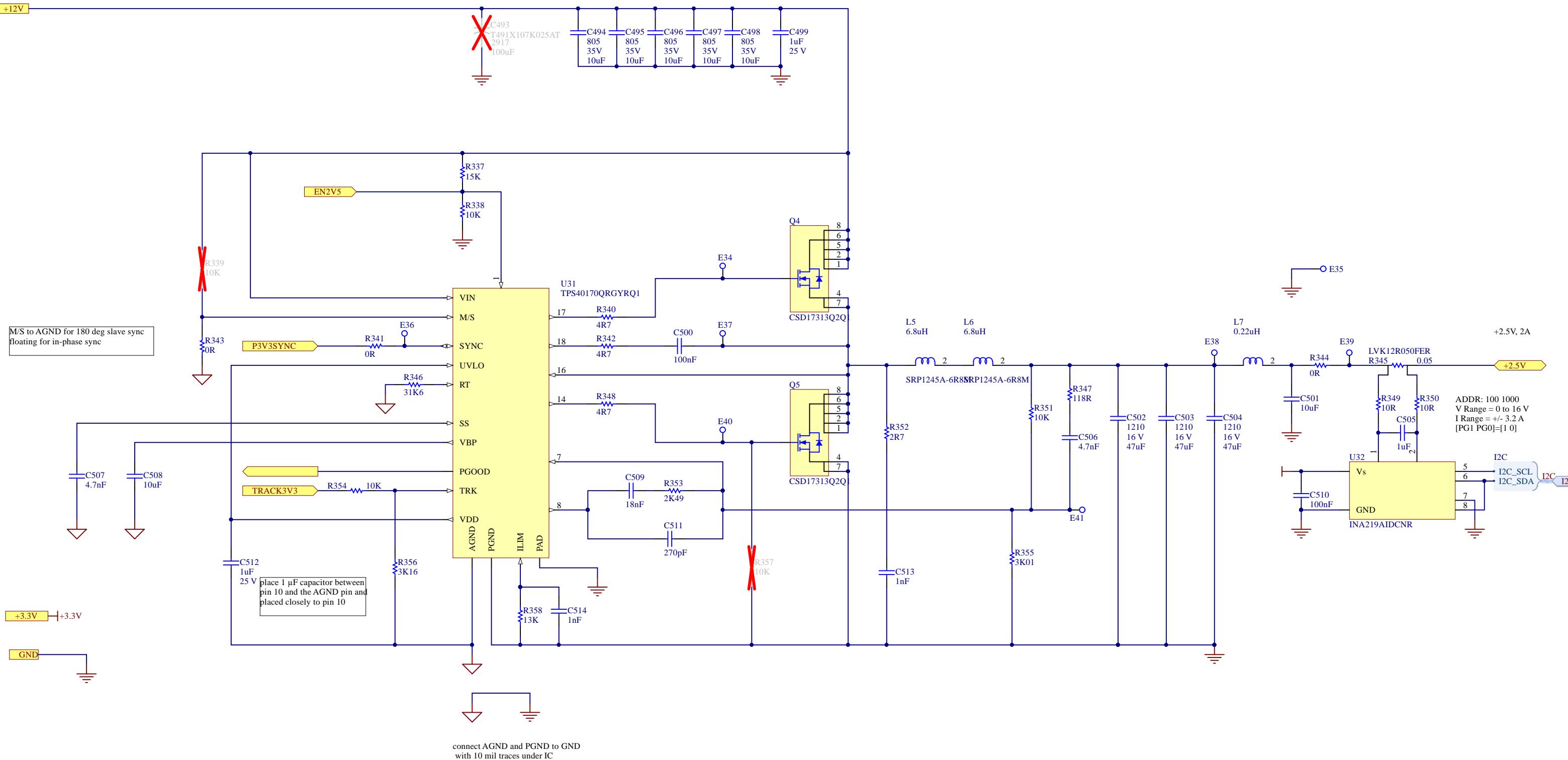




Sheet Title:	<i>1.2 Volt, 3 Amp Power Supply</i>	
Project Title:	<i>Core Switch-v1.4.PnjPCB</i>	
Size:	Tabloid	Number:
Date:	8/3/2020	Time: 3:32:22 PM
Author:	KFH	Sheet 16 of 20 File: TPS57114-Q1-1V2-3A.SchDoc

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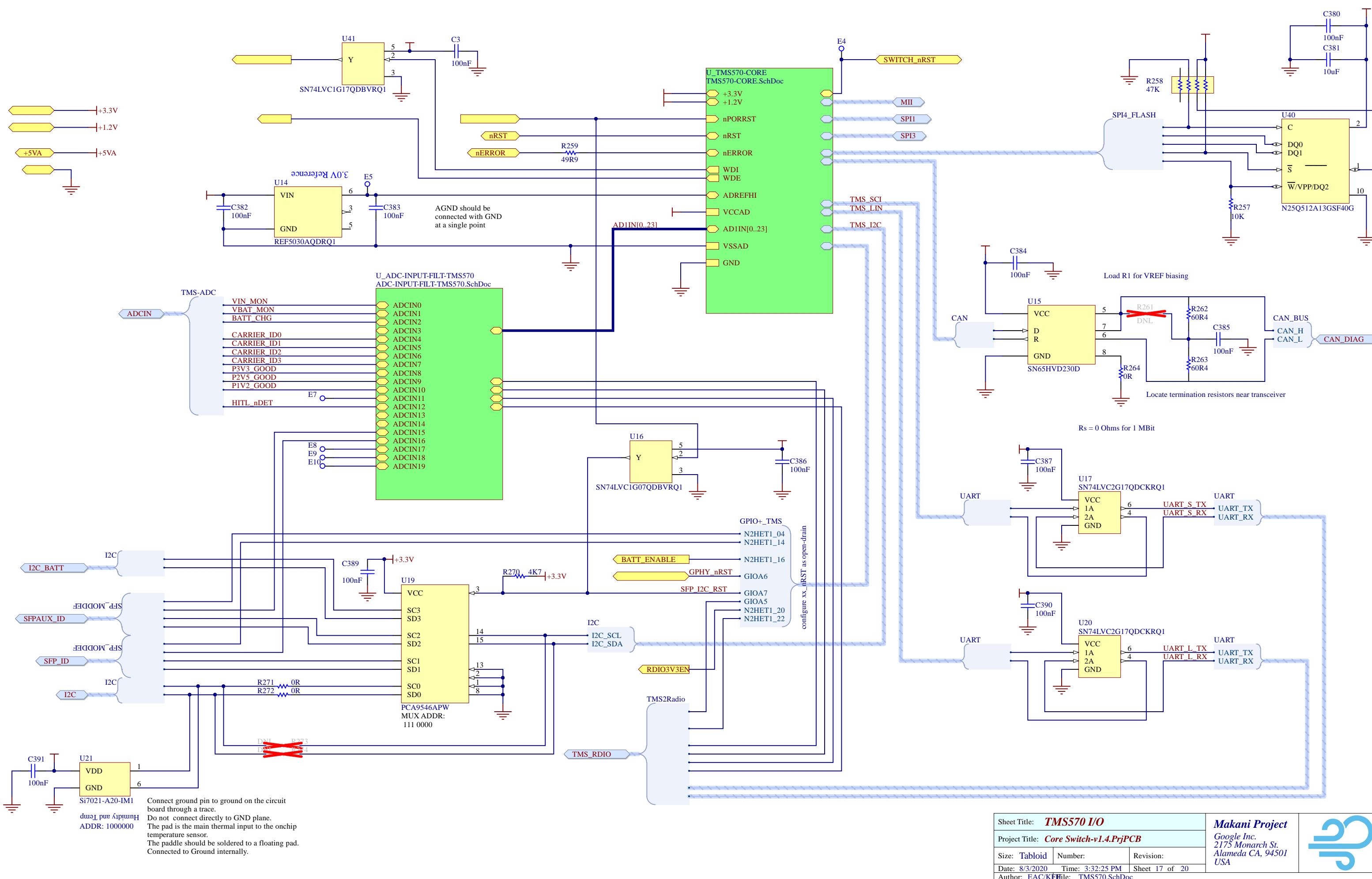




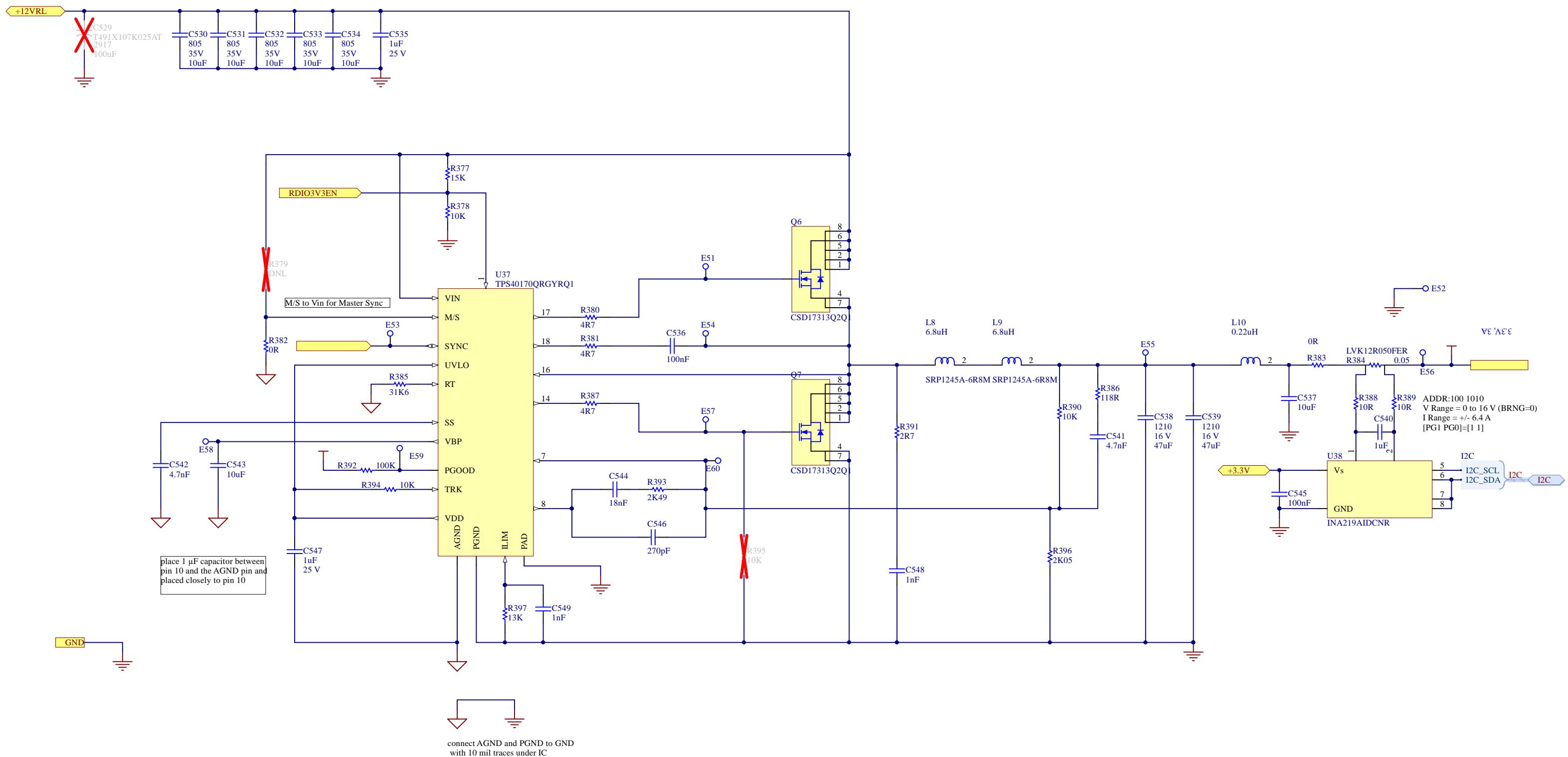
Sheet Title:	2.5 Volt, 2 Amp Power Supply	M G 2 A U
Project Title:	Core Switch-v1.4.PrjPCB	
Size:	Tabloid	Number: Revision:
Date:	8/3/2020	Time: 3:32:23 PM Sheet 17 of 20
Author:	KFH	File: TPS40170-Q1-2V5-2A.SchDoc

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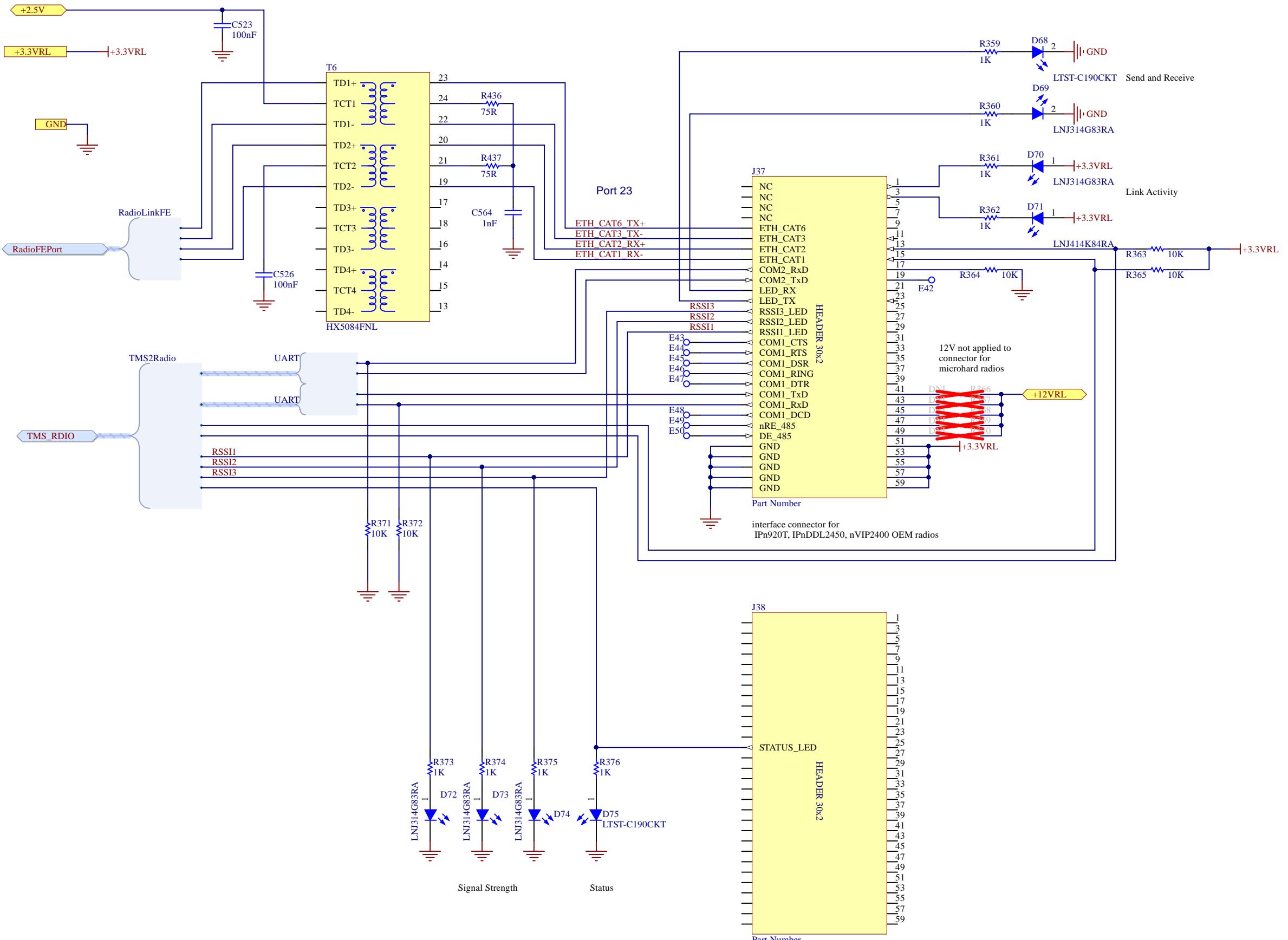
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Project Title: Core Switch-v1.4.PrjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:25 PM	Sheet 17 of 20
Author: EAC/KF	File: TMS570.SchDoc	



Sheet Title: Radio 3.3V Power		
Project Title: Core Switch-v1.4.PnjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:26 PM	Sheet 18 of 20
Author: KFH	File: TPS40170-Q1-3V3-3A.SchDoc	

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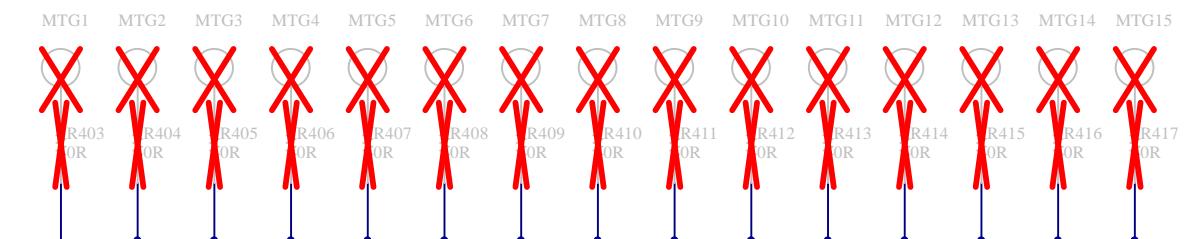


Sheet Title: Radio Carrier		
Project Title: Core Switch-v1.4.PrjPCB		
Size: Tabloid	Number:	Revision:
Date: 8/3/2020	Time: 3:32:27 PM	Sheet 20 of 20

Author: KFH File: RadioLink.SchDoc

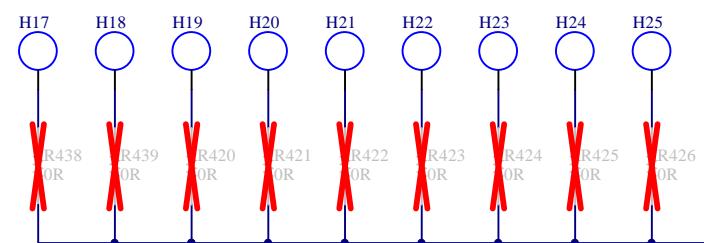
GND

perimeter standoffs



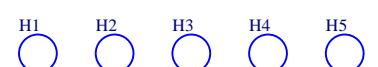
4mm plated through hole
6mm pad
8mm component clearance

board middle standoffs



5.41 mm plated through hole
8mm pad
10 mm clearance

M3 threaded heatsink standoffs



4.22 mm plated through hole
6mm pad
8 mm component clearance

Sheet Title:	Standoffs	
Project Title:	Core Switch-v1.4.PrjPCB	
Size:	Tabloid	Number:
Date:	8/3/2020	Time: 3:32:28 PM
Author:	KFH	File: Standoffs.SchDoc
Revision:		
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Makani Project		

