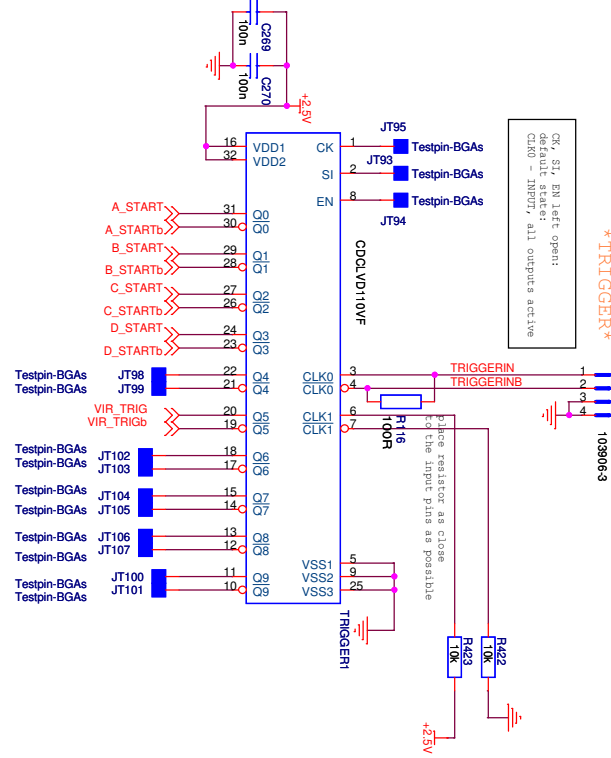
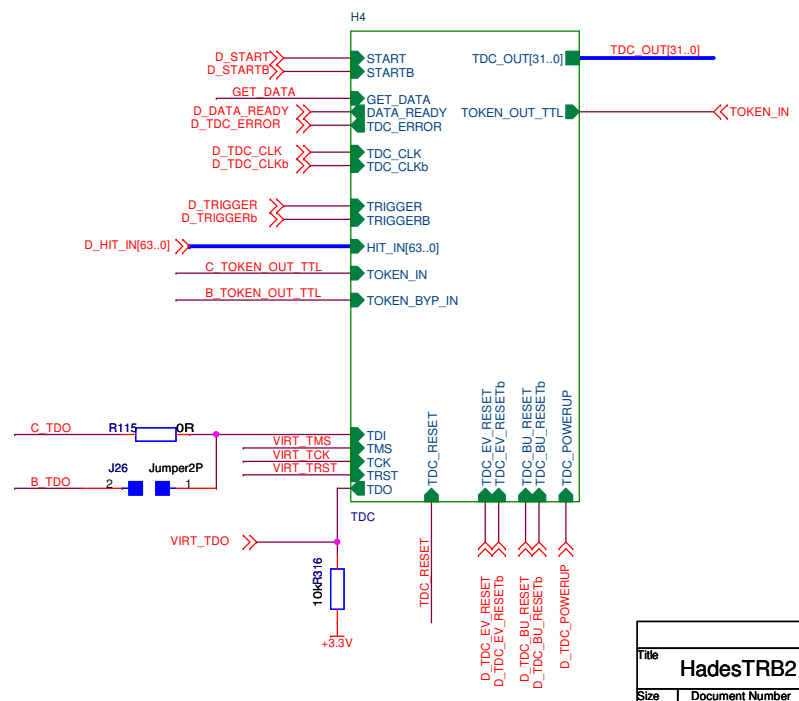
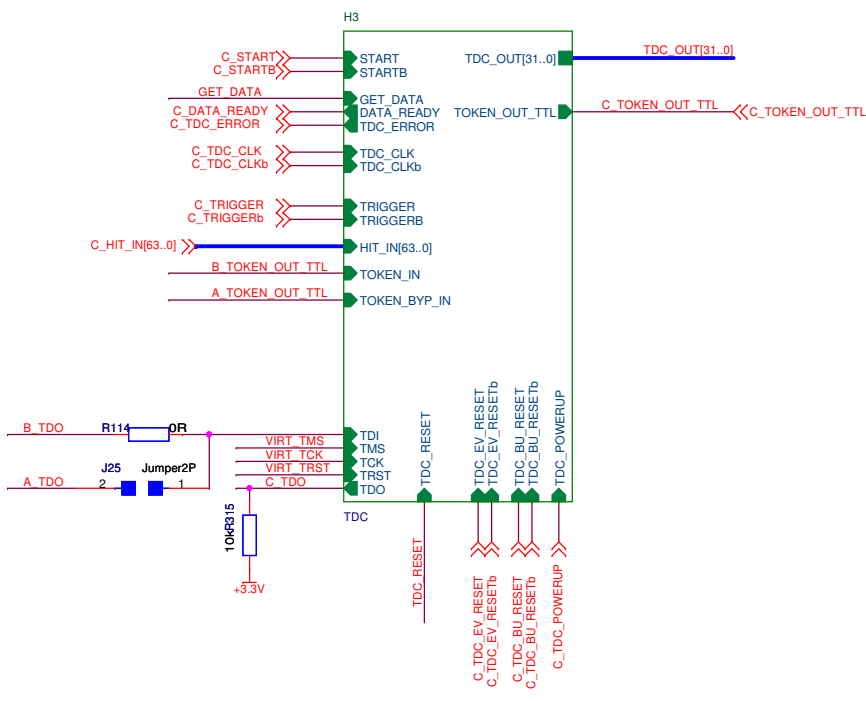
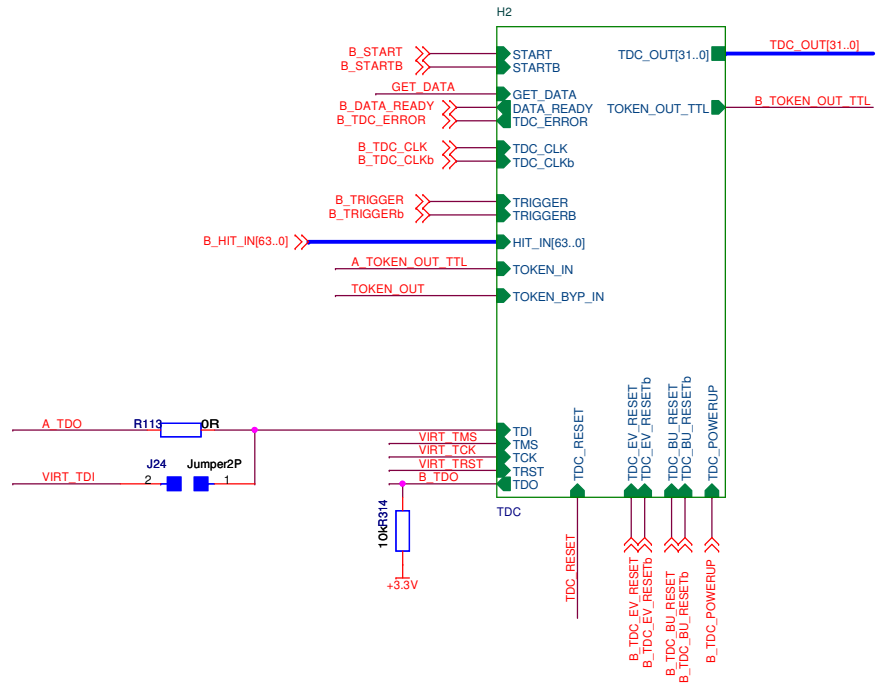
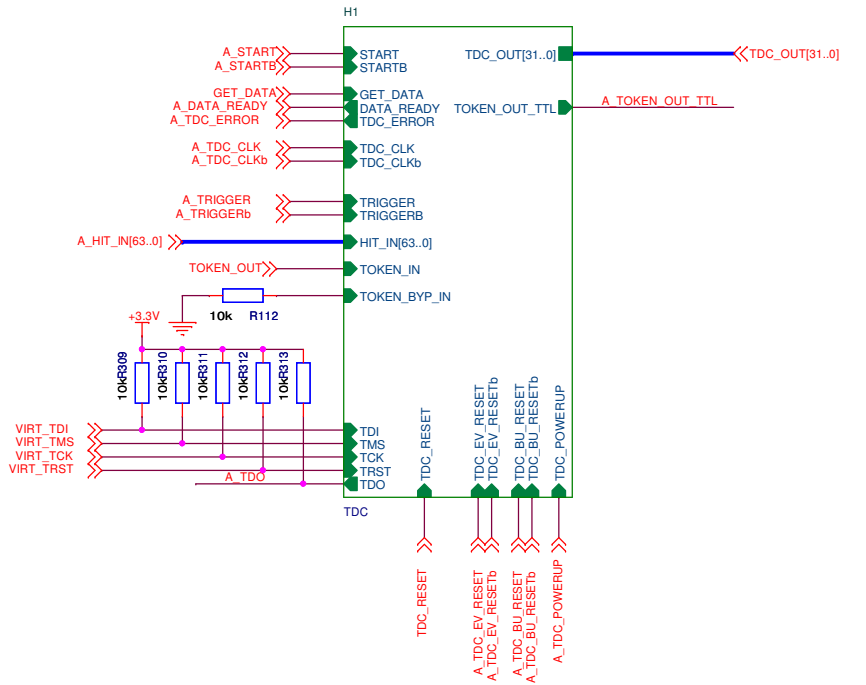
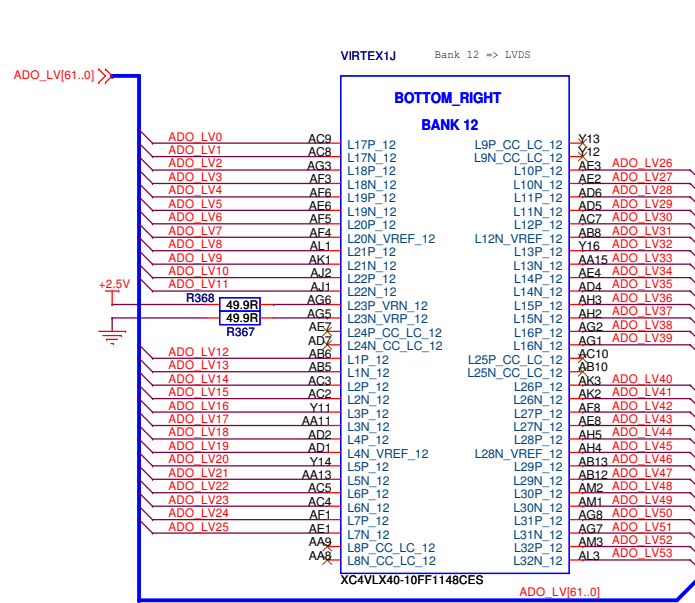


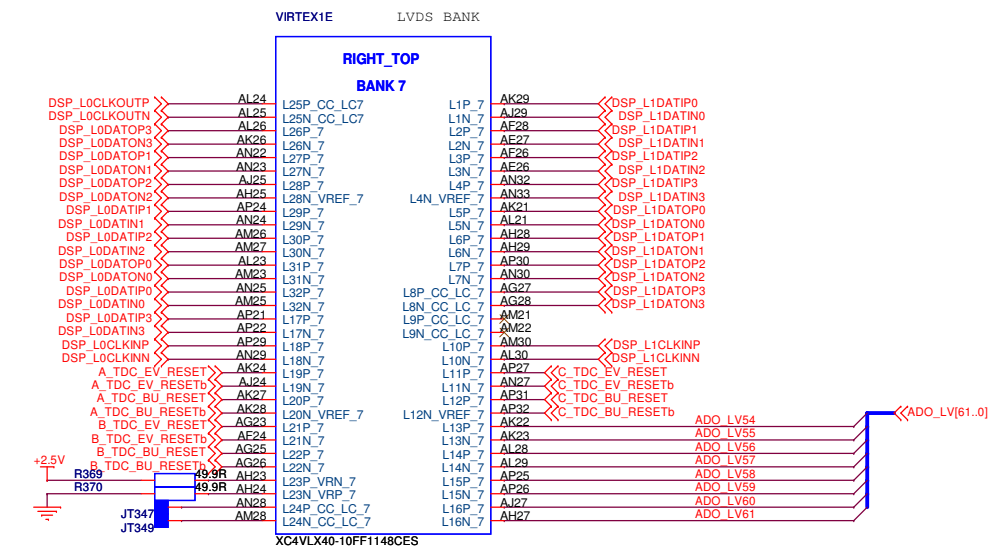
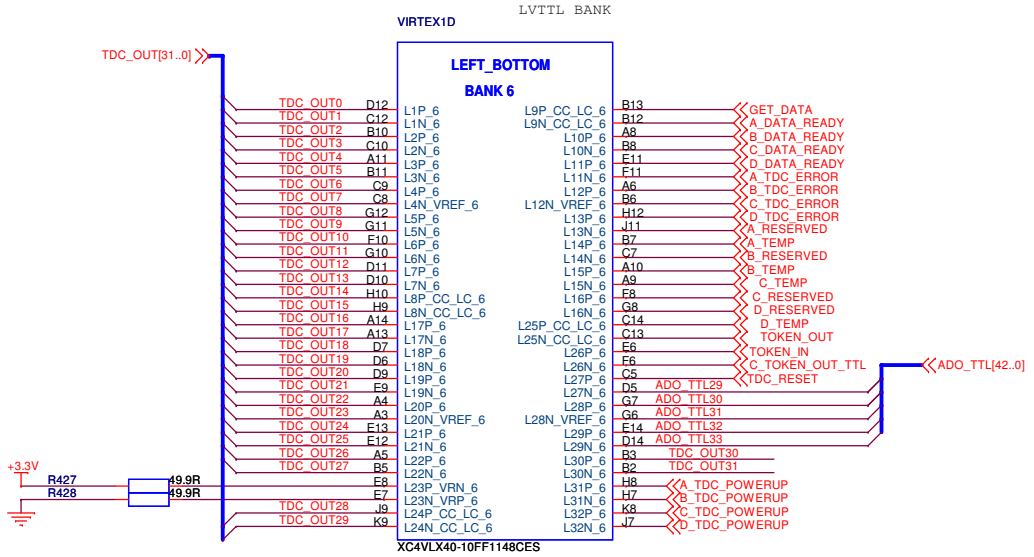
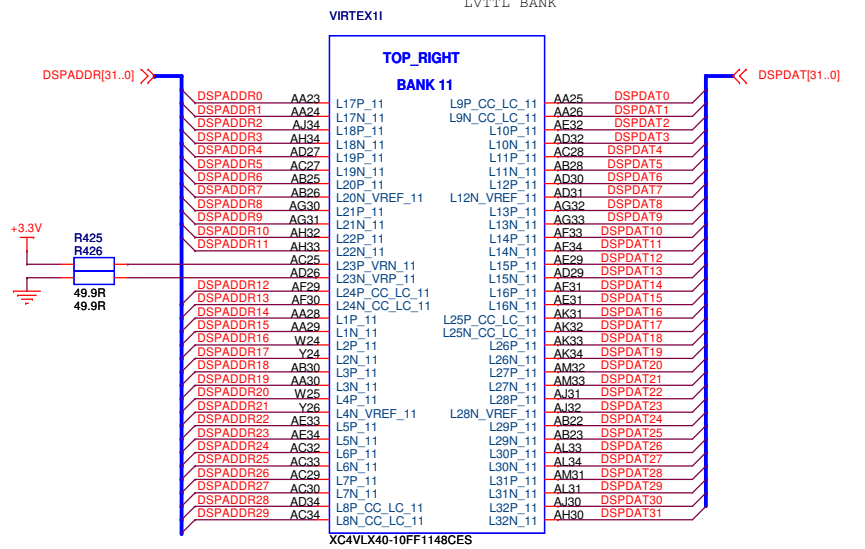
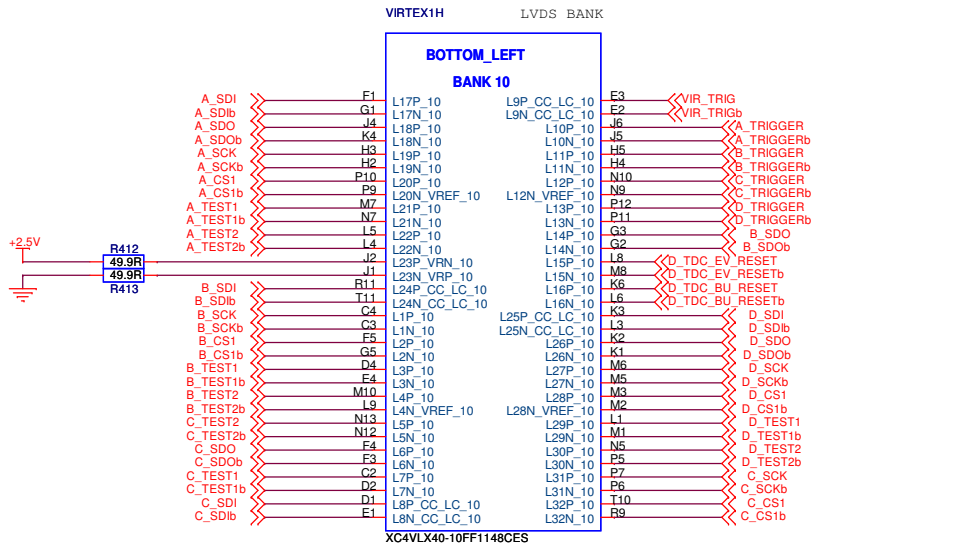
Peter, please make each next START diff. Lines 0.5cm longer then the former ones. e.g. if A_START and A_STARTb have 35 mm then B_START and B_STARTb should have 40mm



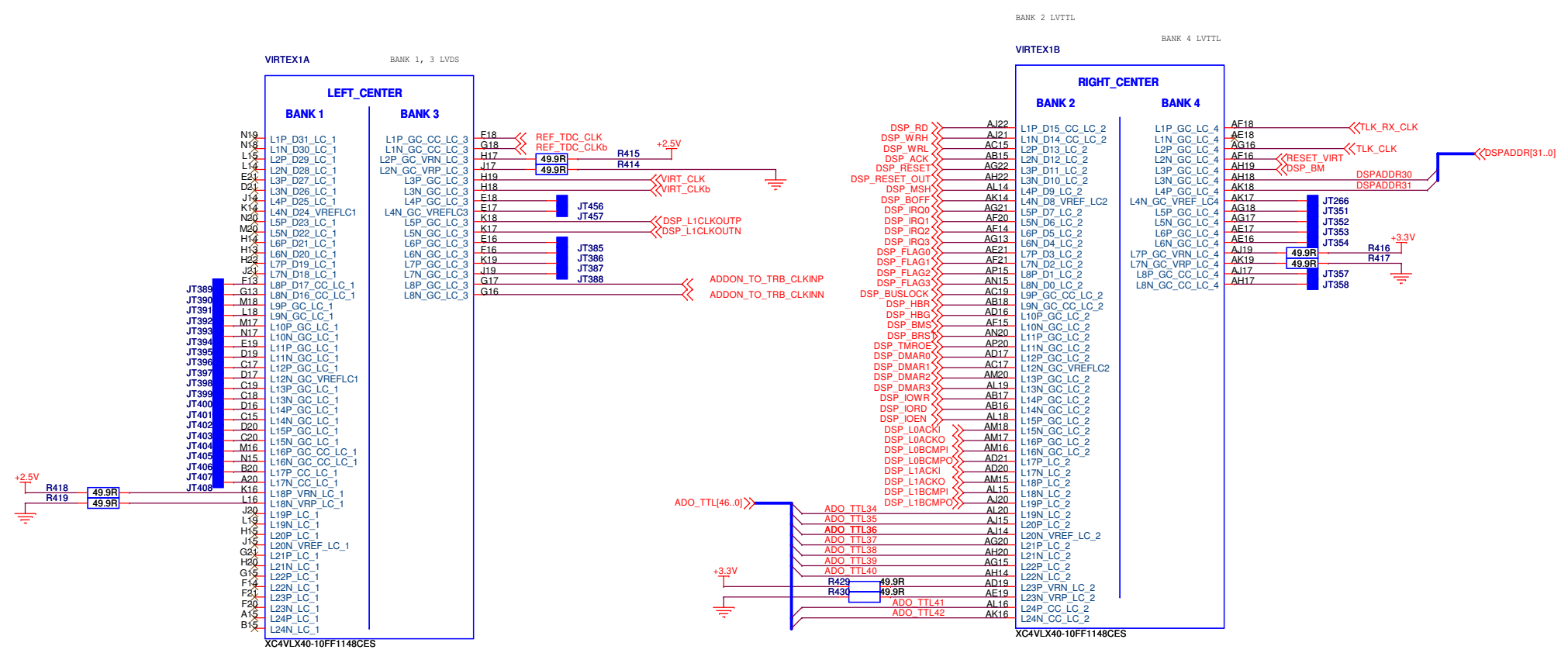


Title		
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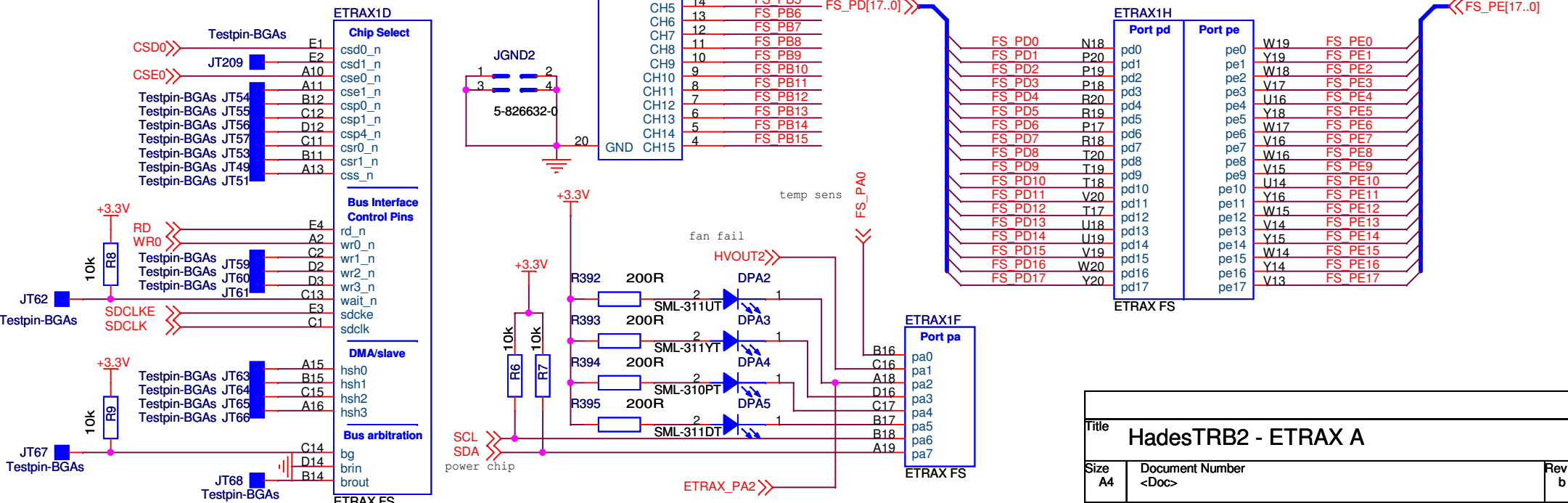
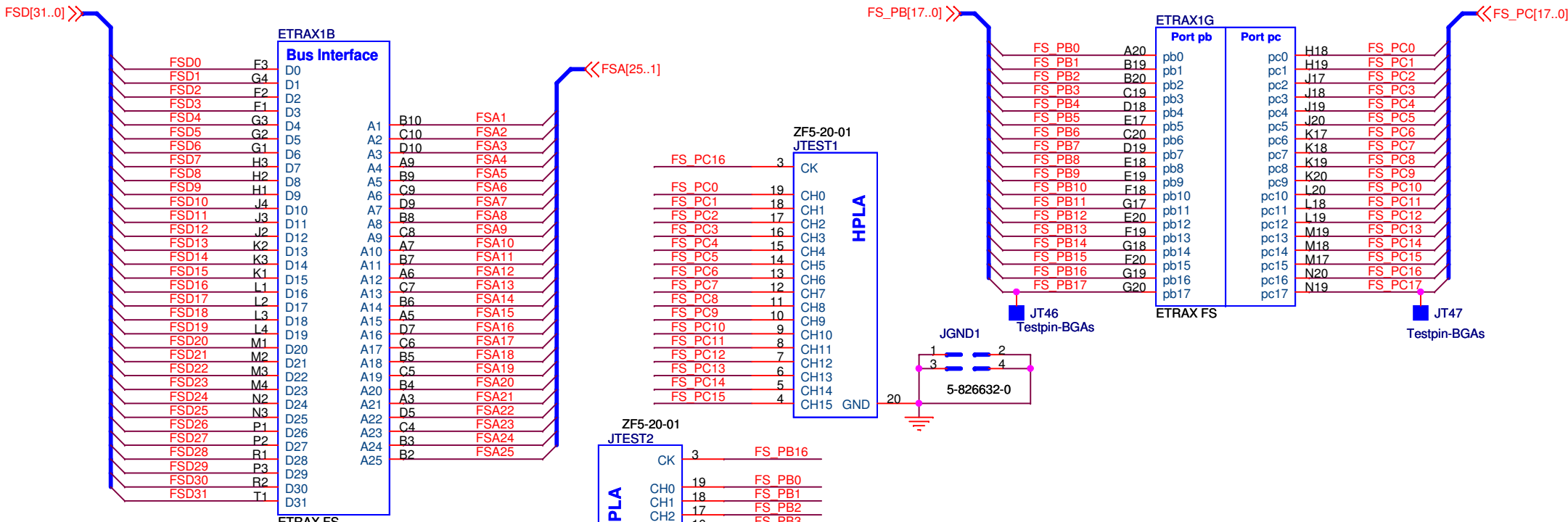


Title		
HadesTRB2 - VIRTEX B		
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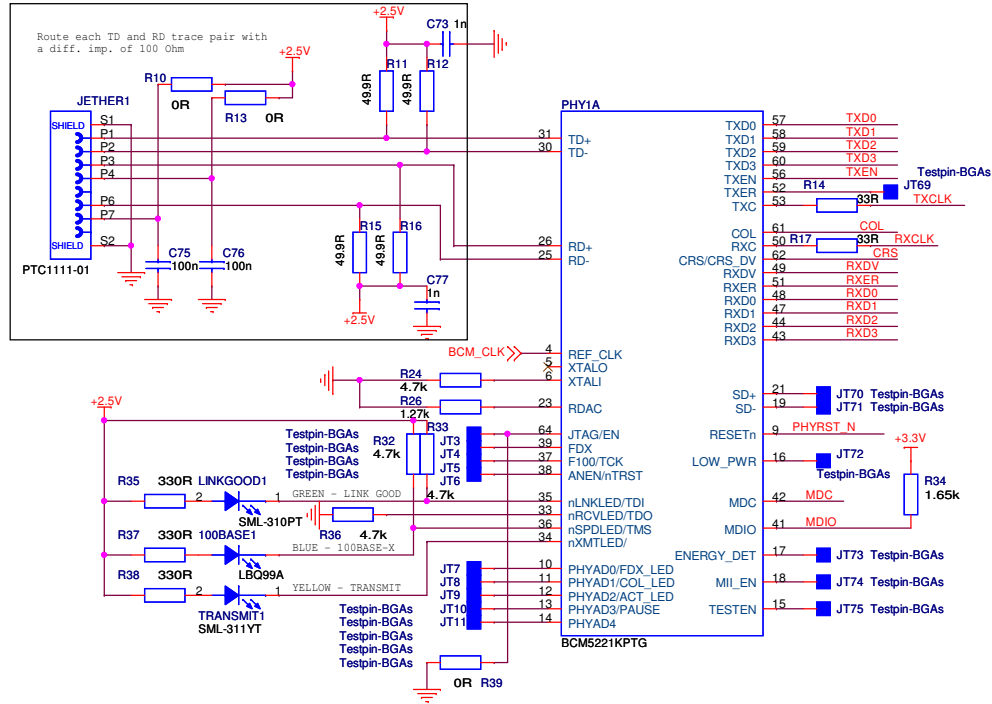
DSP control - banks 2, 7, 11

Title		
HadesTRB2 - VIRTEX C		
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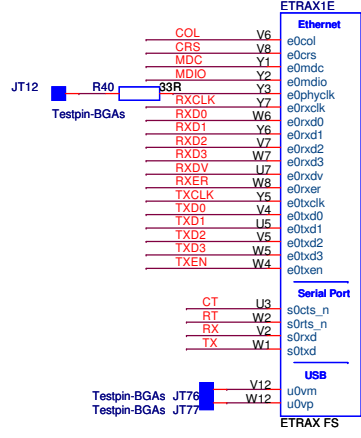
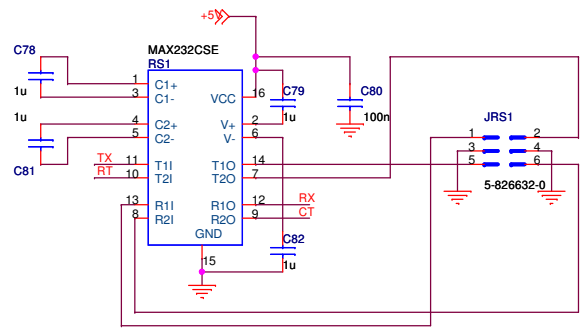
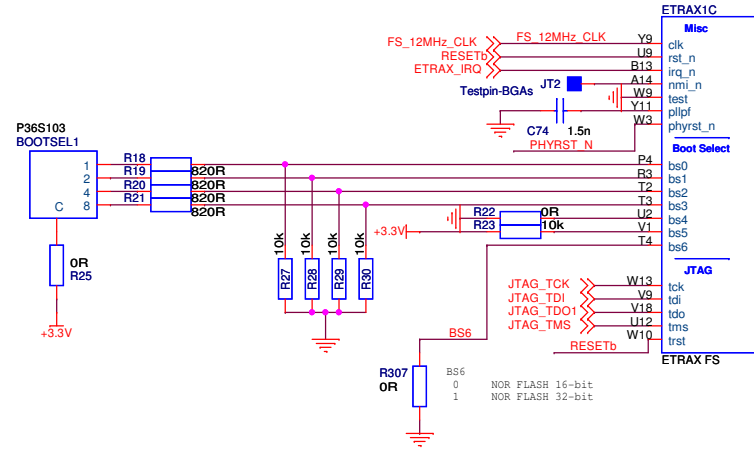


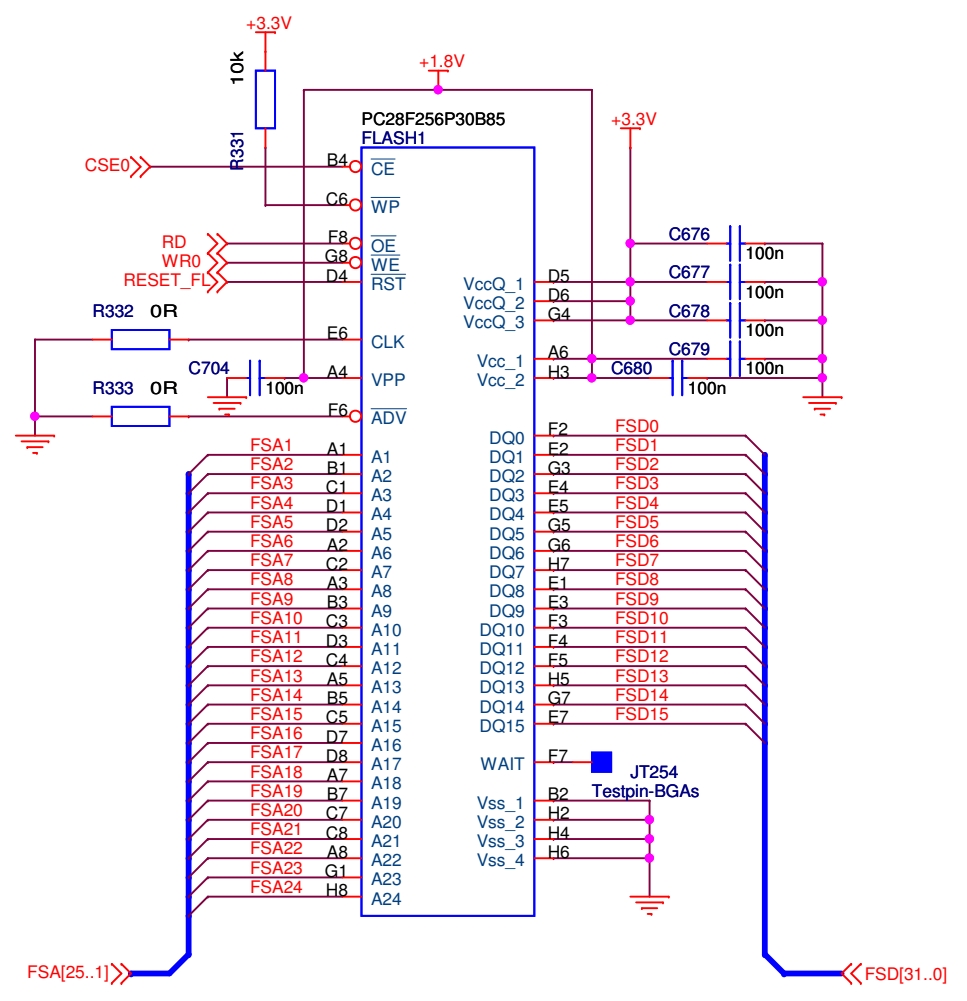
Title			HadesTRB2 - ETRAX A		
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Place the termination network and RJ45 connector close to the BCM5221

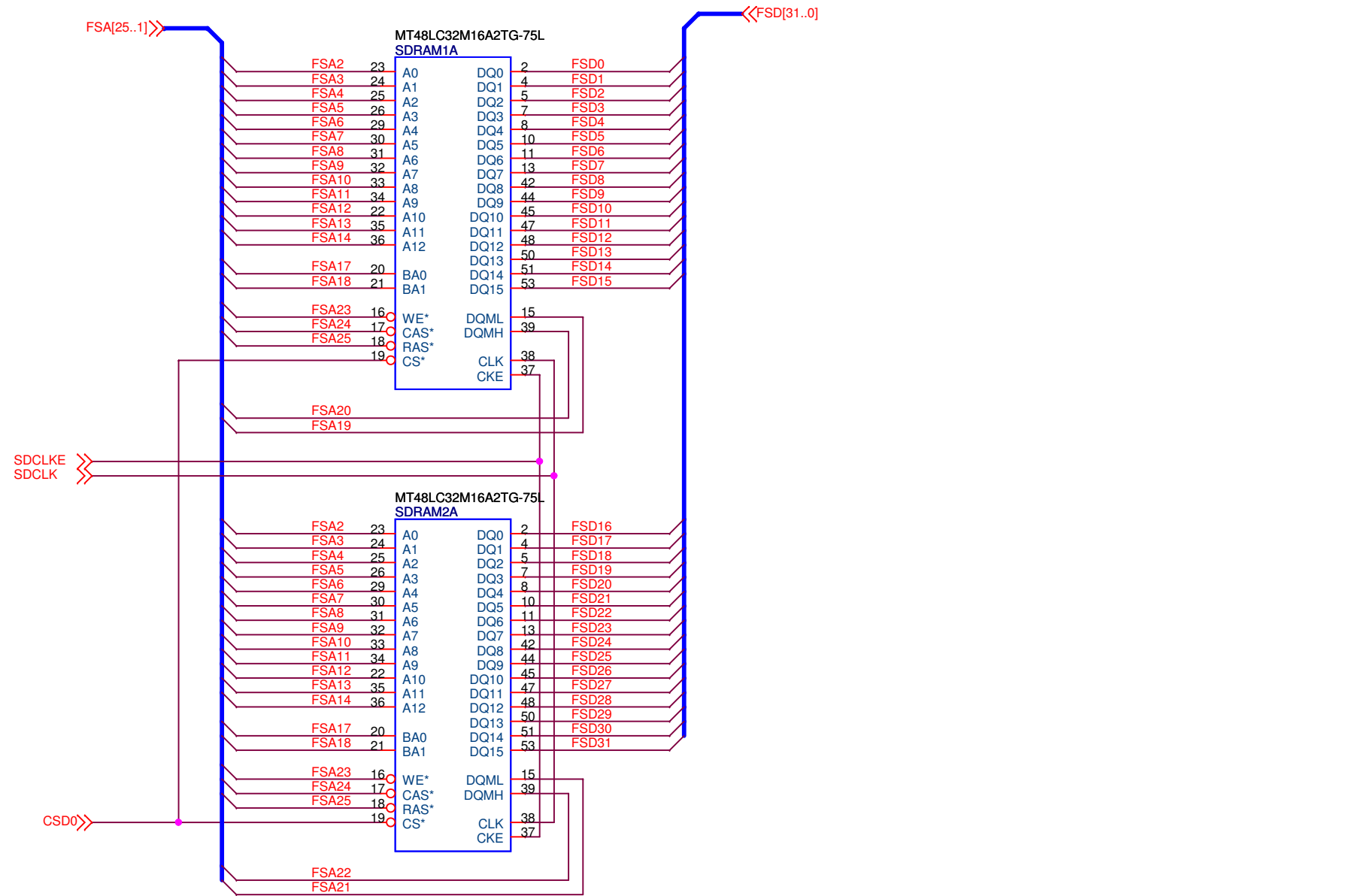


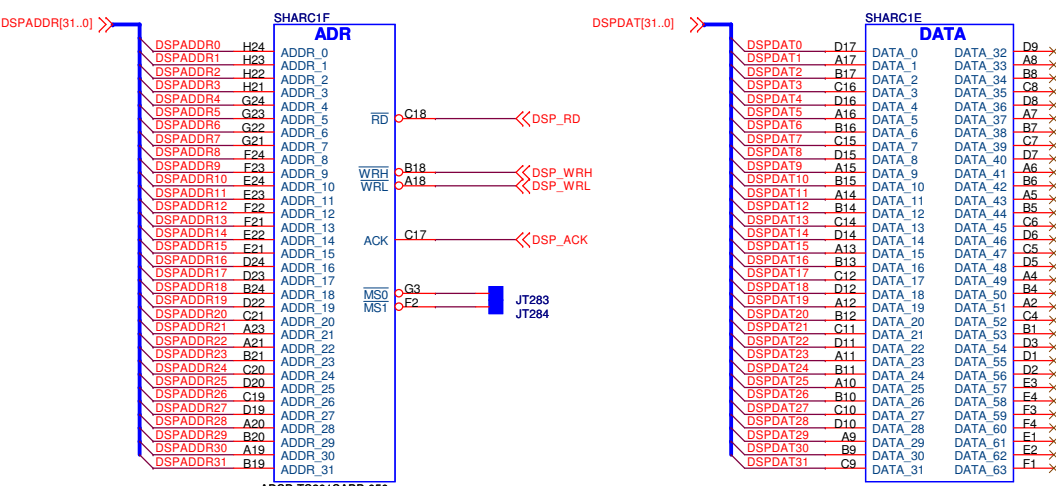
BS3	BS2	BS1	BS0	
-	0	0	0	NOR Flash
-	0	0	1	Network RX only
-	0	1	0	Network RX/TX
-	0	1	1	NAND Flash
-	1	0	0	Serial
-	1	0	1	Master boot
-	1	1	0	Slave boot
-	1	1	1	No boot
0	-	-	-	Ethernet Halv-Duplex
1	-	-	-	Ethernet Full-Duplex





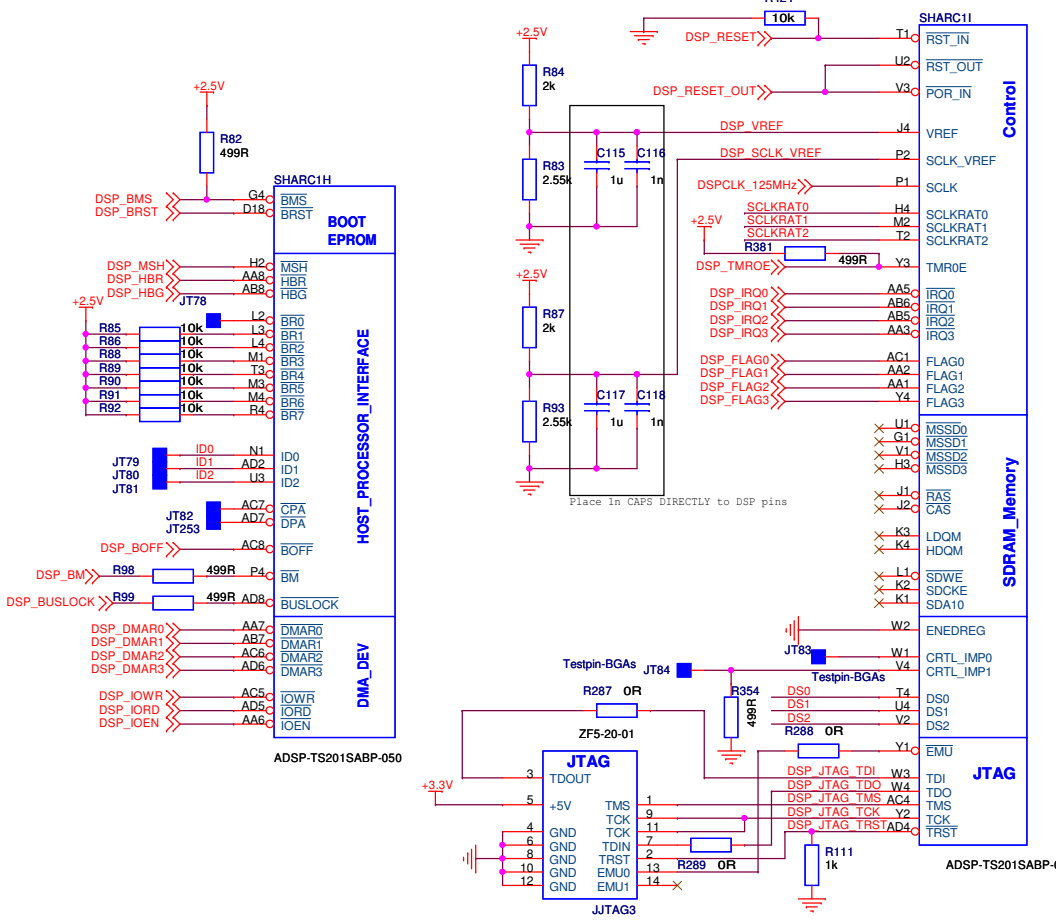
Title		
HadesTRB2 - FLASH MEMORY		
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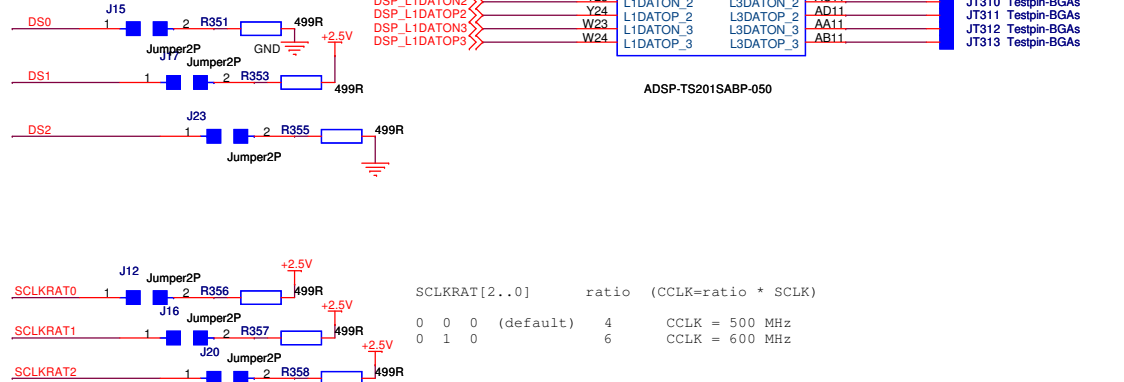


SHARC I/O is 3.3V compliant

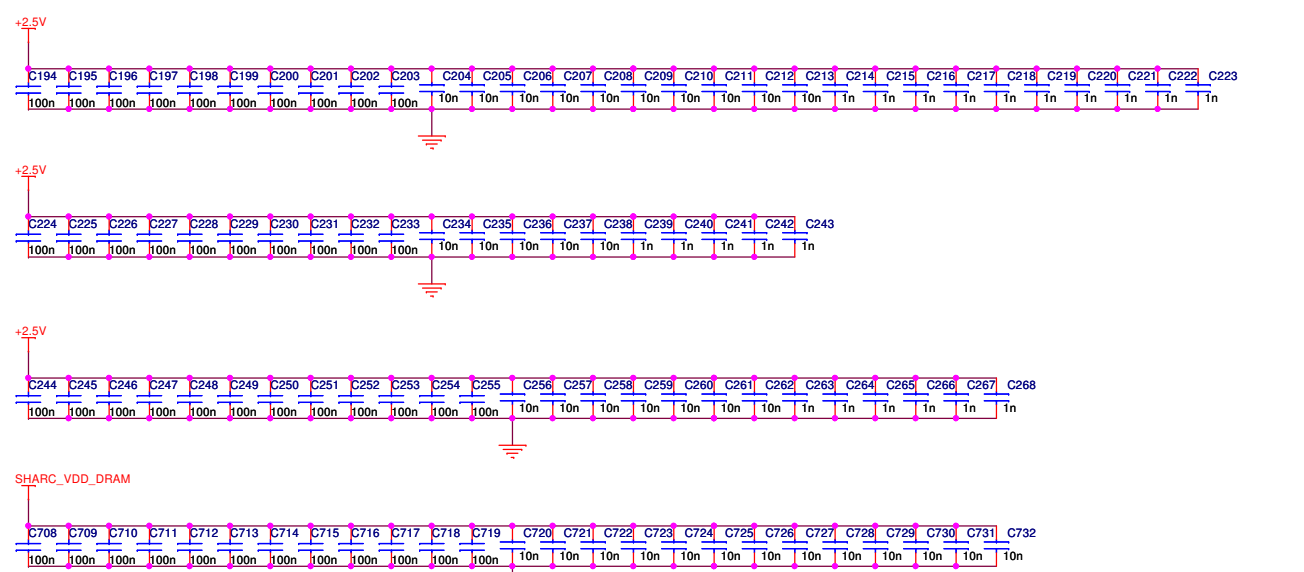
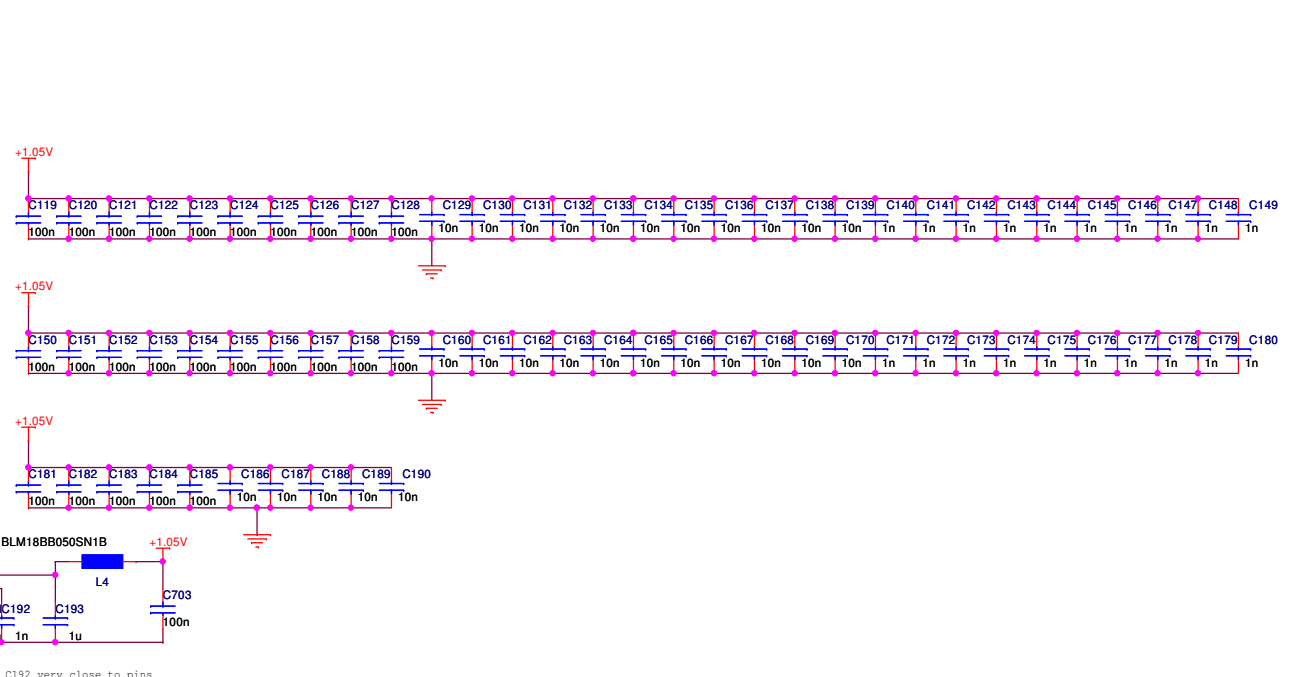
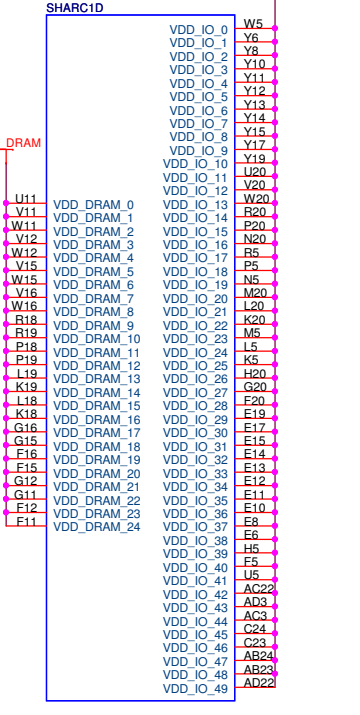
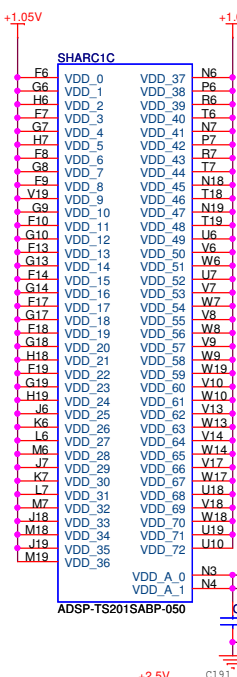
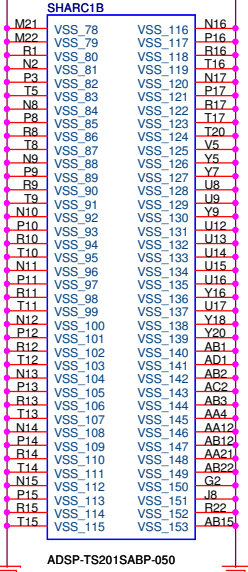
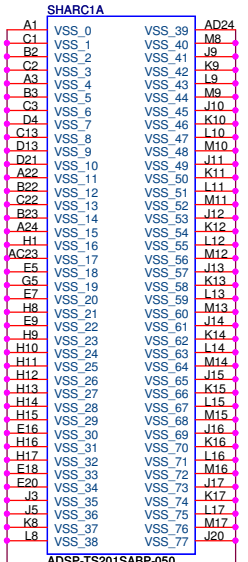
Routing:
 order should be: DAT0, DAT1, CLK, DAT2, DAT3,
 no via in between those signals,
 only 45° turns (no 90°),
 length should be matched for one direction and one port
 (they are full duplex)
 Peter, please read EE-179 System Design Guidelines.



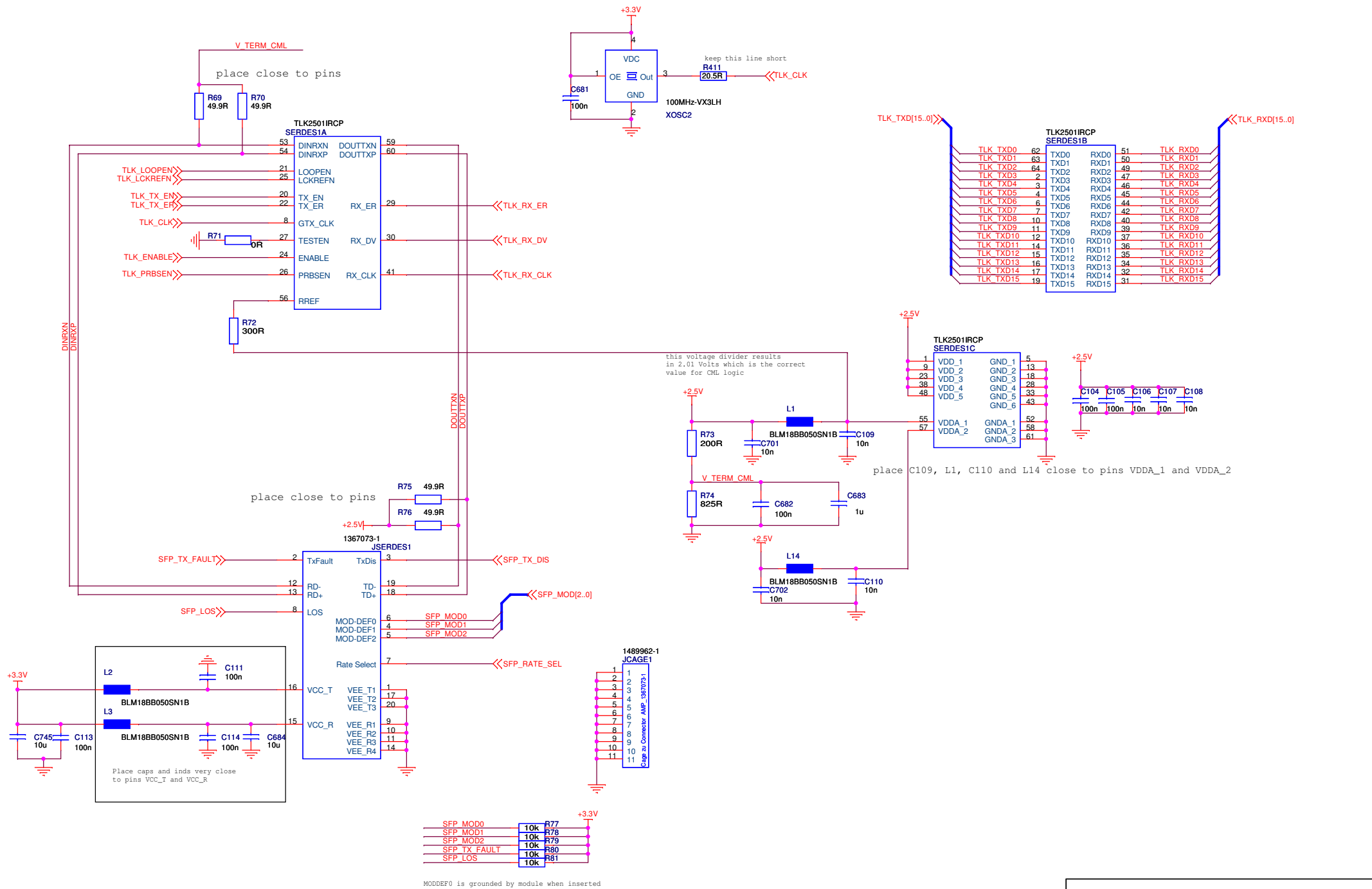
DS - drive strength
 default 101



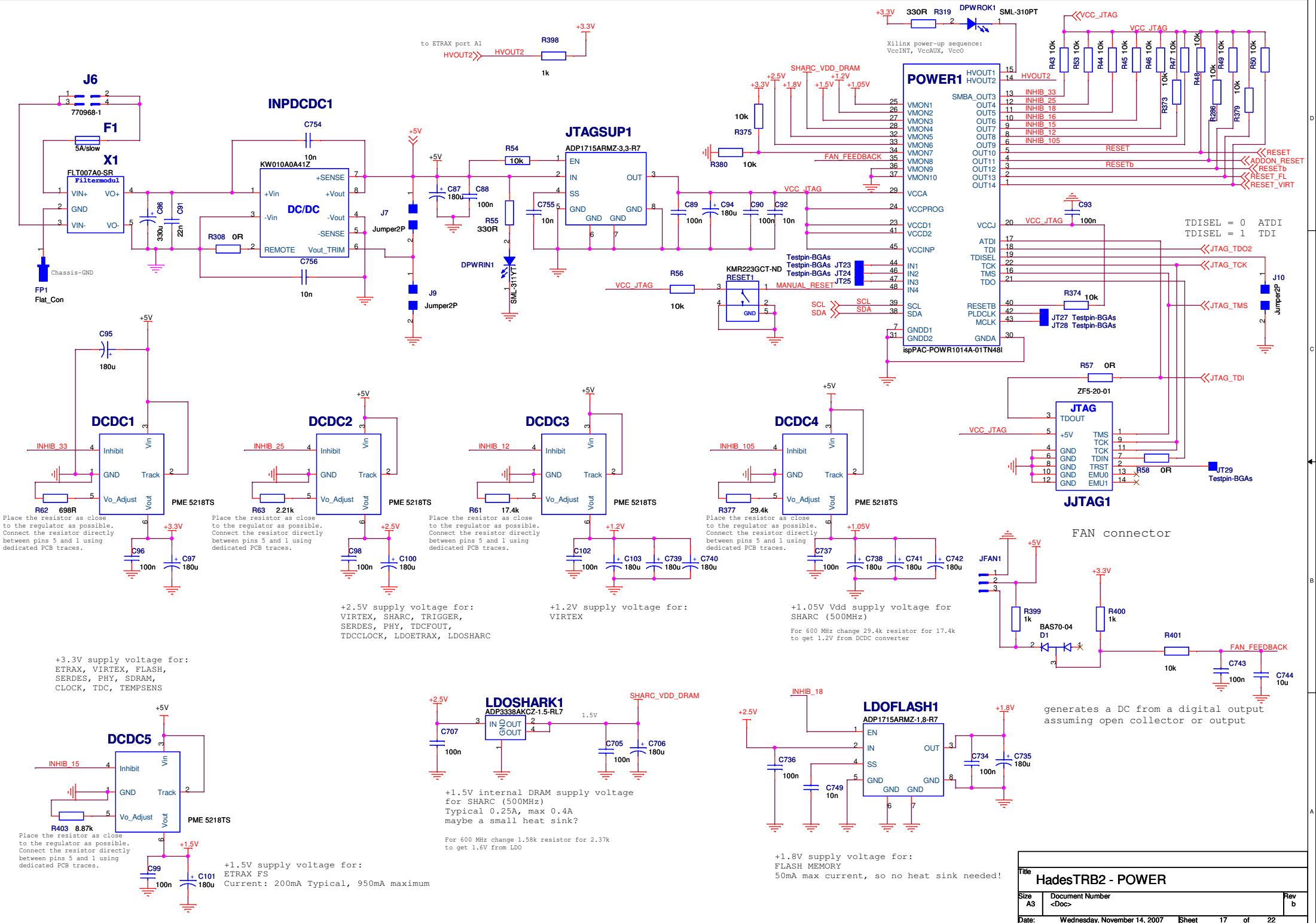
Title			
HadesTRB2 - SHARC			
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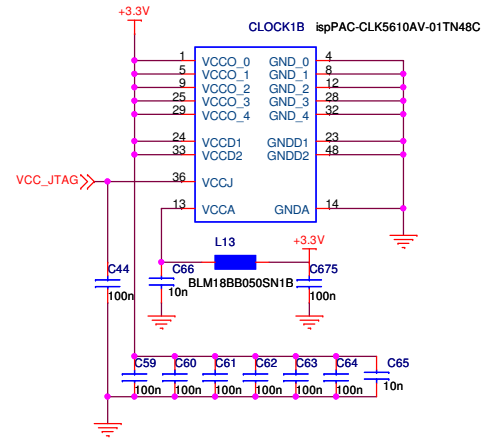
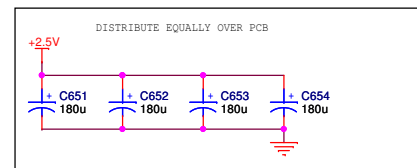
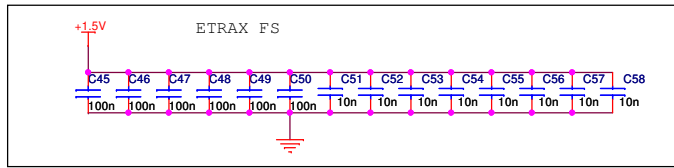
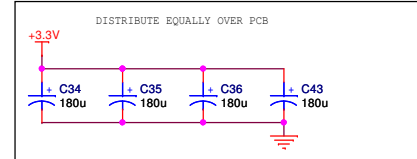
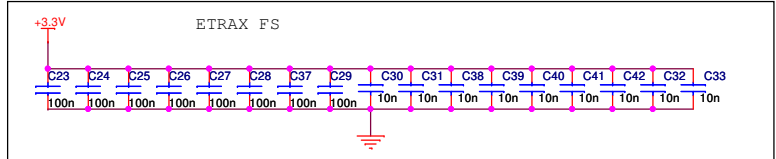
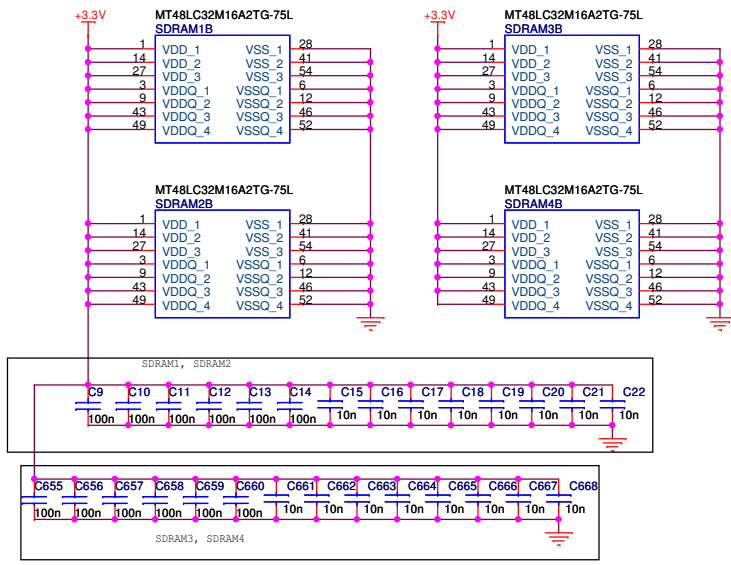
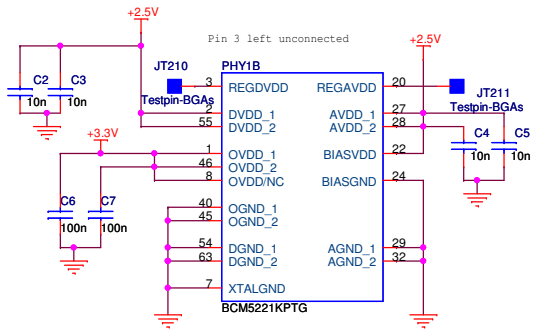
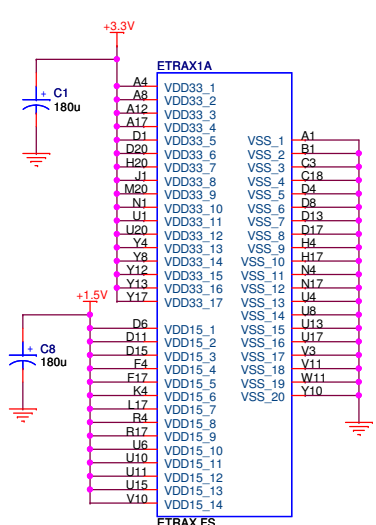
Title		
HadesTRB2 - SHARC SUPPLY		
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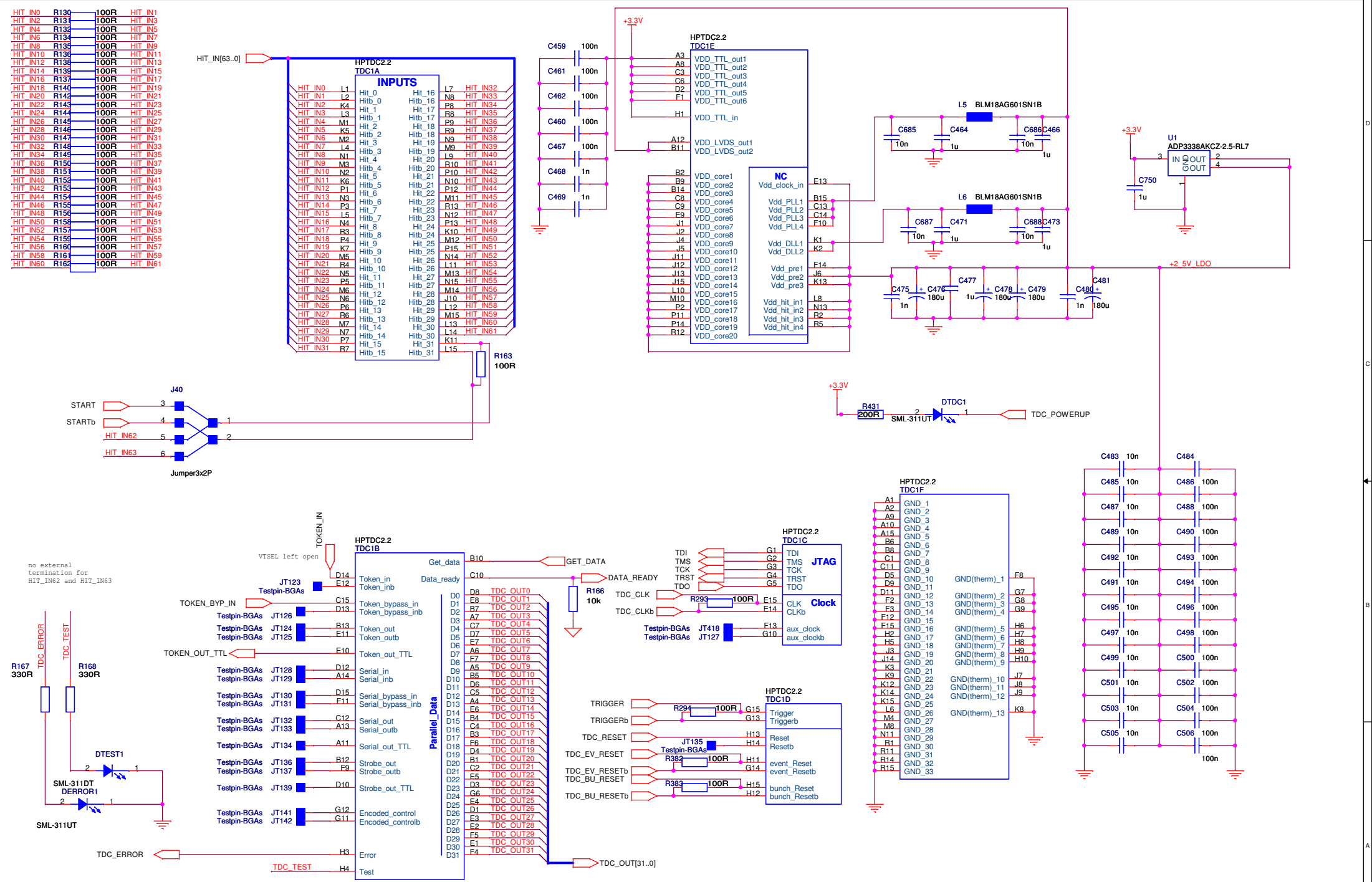


Title		
HadesTRB2 - SERDES		
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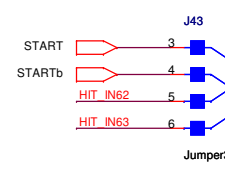
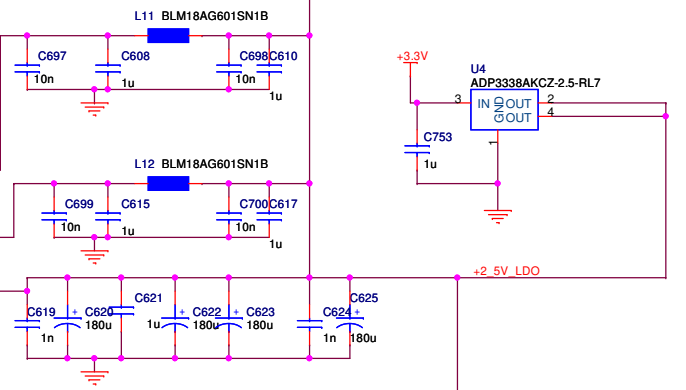
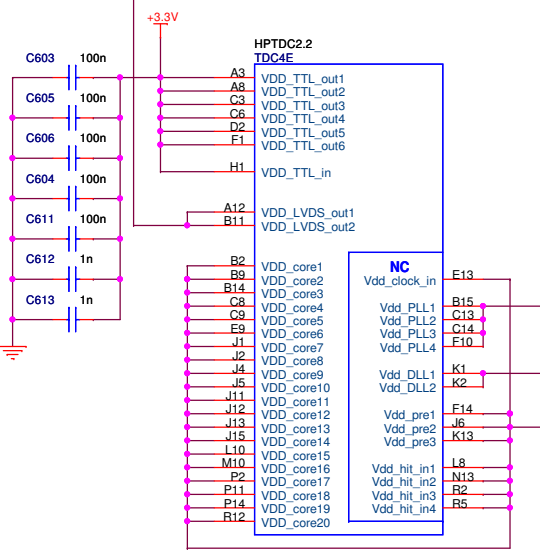
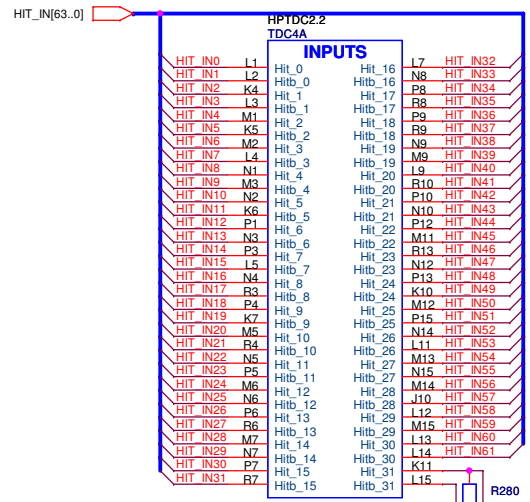
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HadesTRB2 - POWER		
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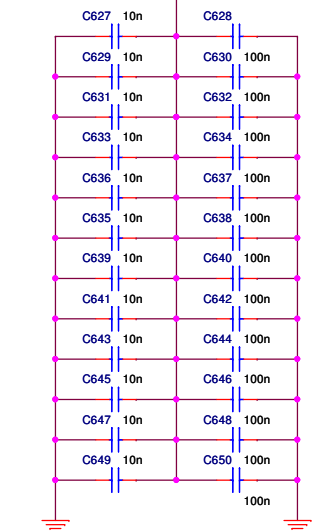
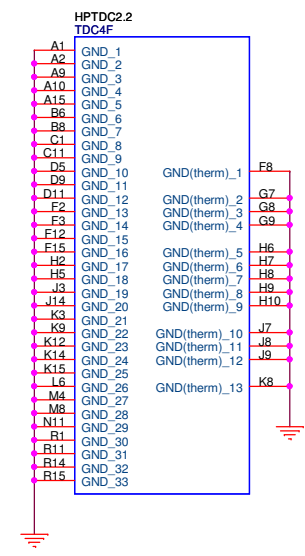
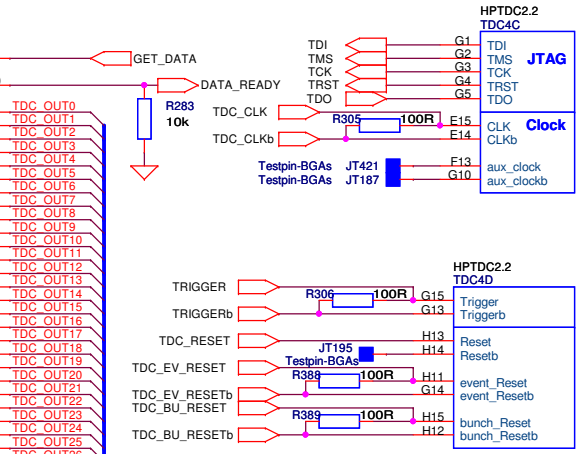
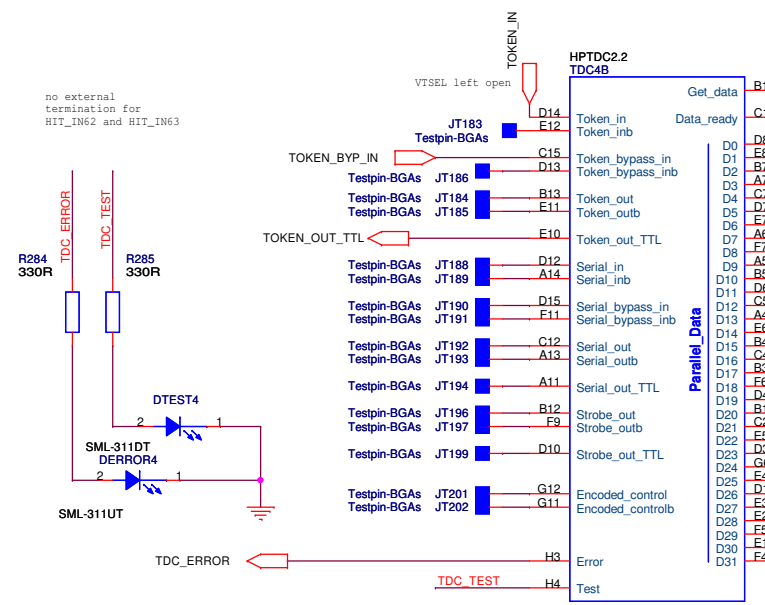


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HIT_IN0	R247	100R	HIT_IN1
HIT_IN2	R248	100R	HIT_IN3
HIT_IN4	R249	100R	HIT_IN5
HIT_IN6	R251	100R	HIT_IN7
HIT_IN8	R252	100R	HIT_IN9
HIT_IN10	R253	100R	HIT_IN11
HIT_IN12	R255	100R	HIT_IN13
HIT_IN14	R256	100R	HIT_IN15
HIT_IN16	R257	100R	HIT_IN17
HIT_IN18	R257	100R	HIT_IN19
HIT_IN20	R259	100R	HIT_IN21
HIT_IN22	R260	100R	HIT_IN23
HIT_IN24	R261	100R	HIT_IN25
HIT_IN26	R262	100R	HIT_IN27
HIT_IN28	R263	100R	HIT_IN29
HIT_IN30	R264	100R	HIT_IN31
HIT_IN32	R265	100R	HIT_IN33
HIT_IN34	R266	100R	HIT_IN35
HIT_IN36	R267	100R	HIT_IN37
HIT_IN38	R268	100R	HIT_IN39
HIT_IN40	R269	100R	HIT_IN41
HIT_IN42	R270	100R	HIT_IN43
HIT_IN44	R271	100R	HIT_IN45
HIT_IN46	R272	100R	HIT_IN47
HIT_IN48	R273	100R	HIT_IN49
HIT_IN50	R274	100R	HIT_IN51
HIT_IN52	R275	100R	HIT_IN53
HIT_IN54	R276	100R	HIT_IN55
HIT_IN56	R277	100R	HIT_IN57
HIT_IN58	R278	100R	HIT_IN59
HIT_IN60	R279	100R	HIT_IN61



no external termination for HIT_IN62 and HIT_IN63



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