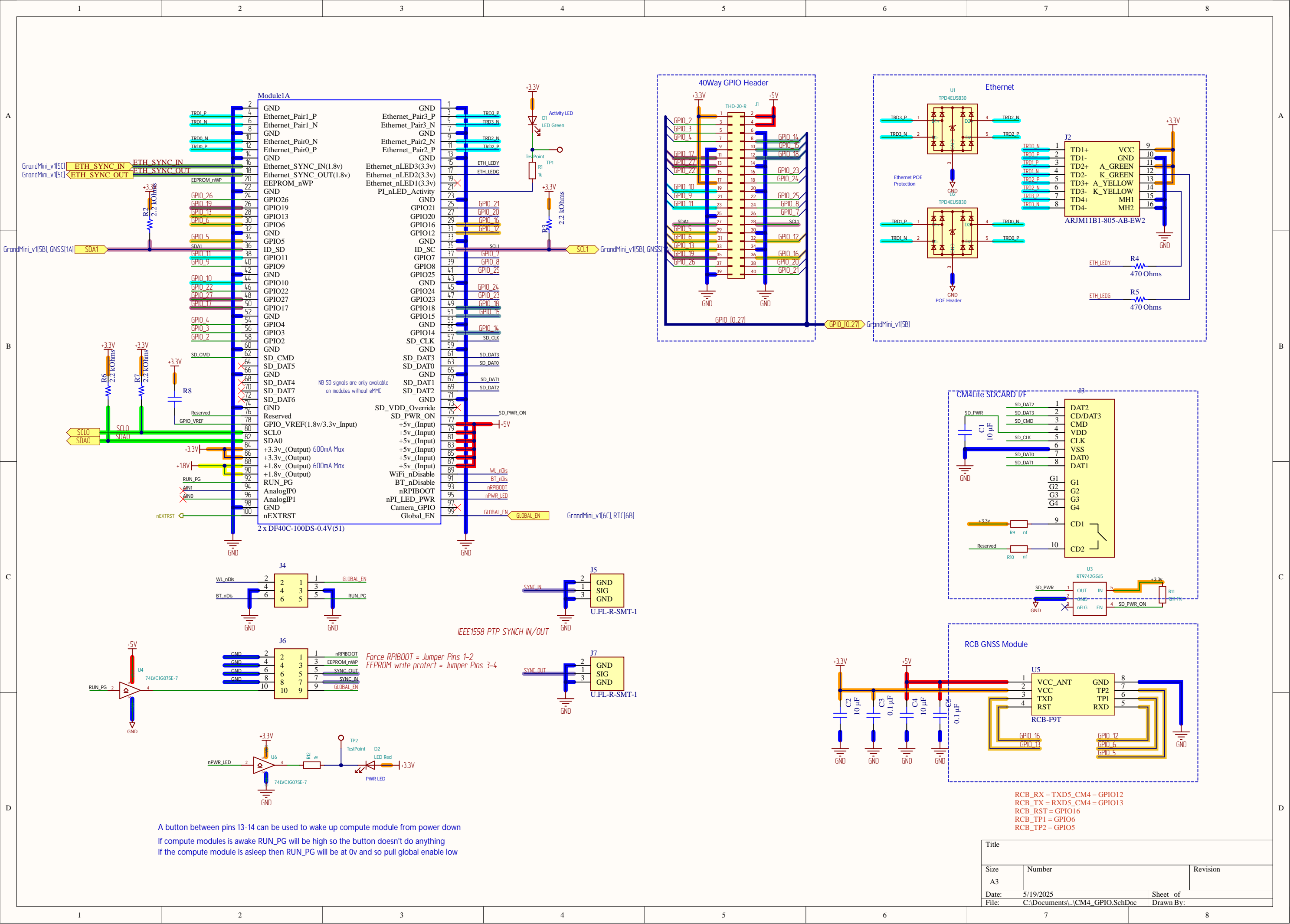


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Date:	5/19/2025	Sheet of
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A

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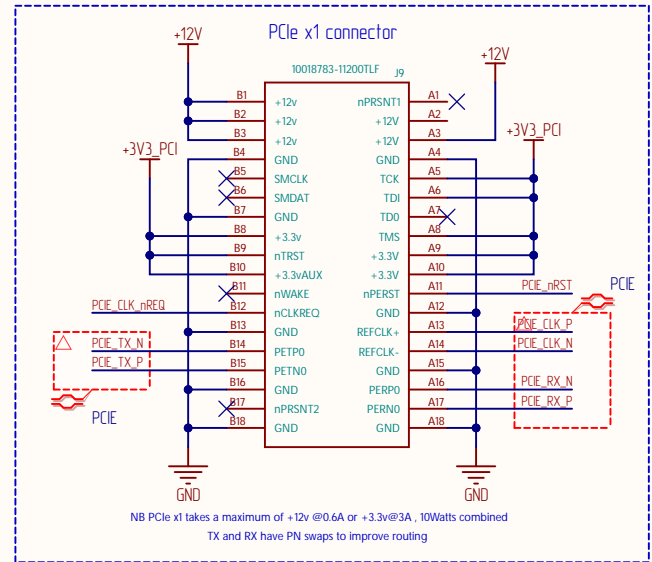
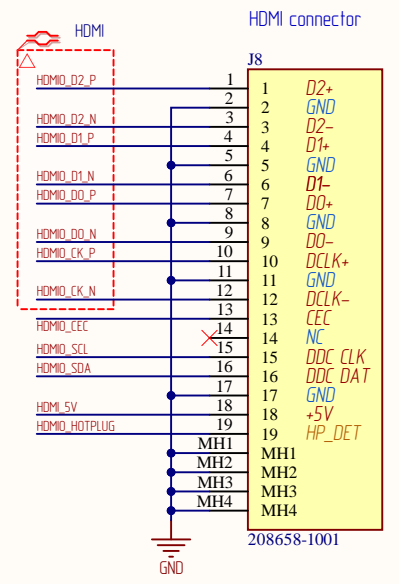
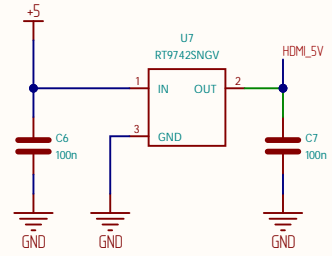
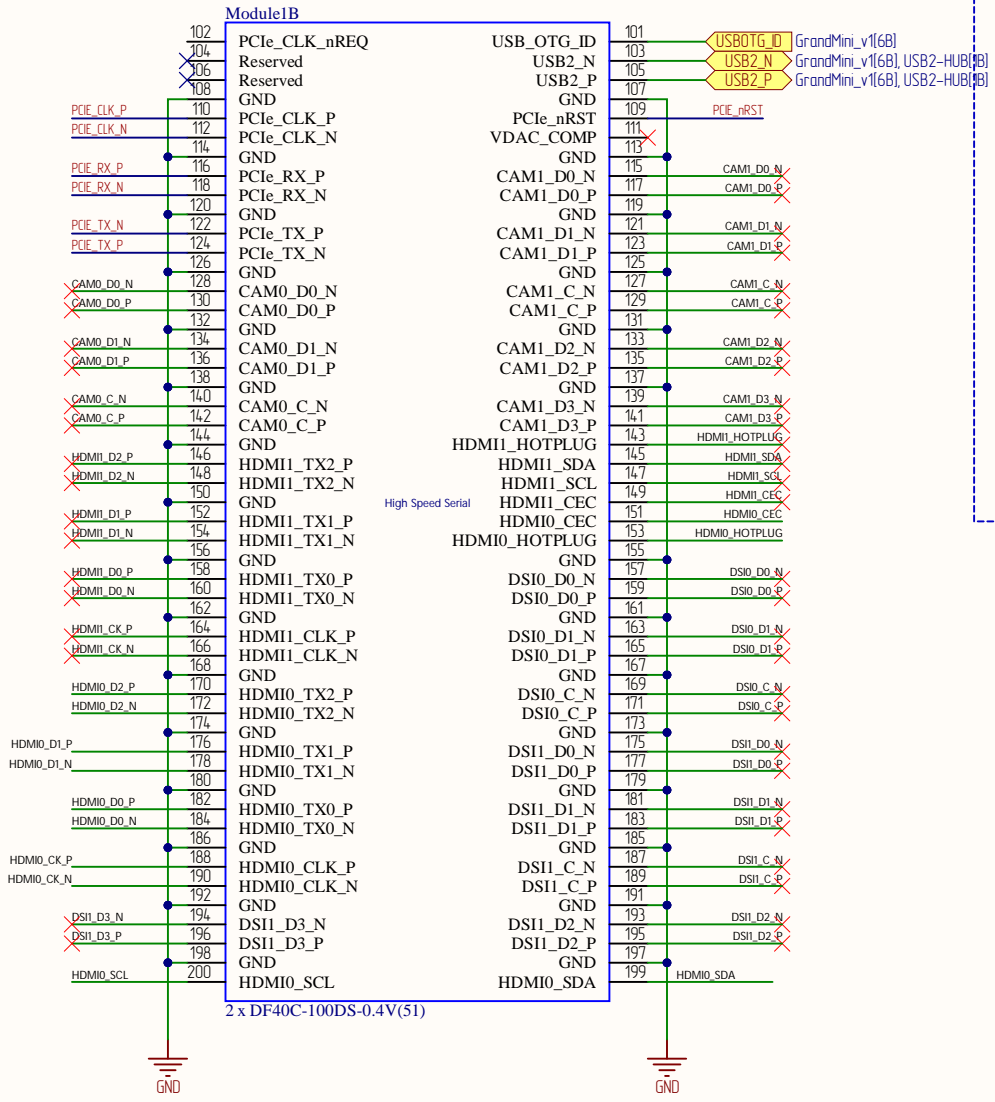
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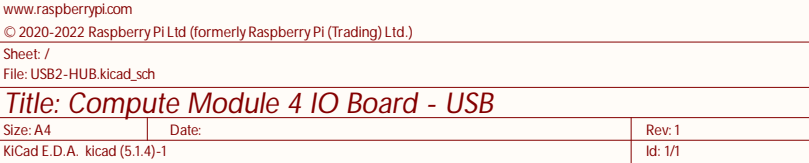
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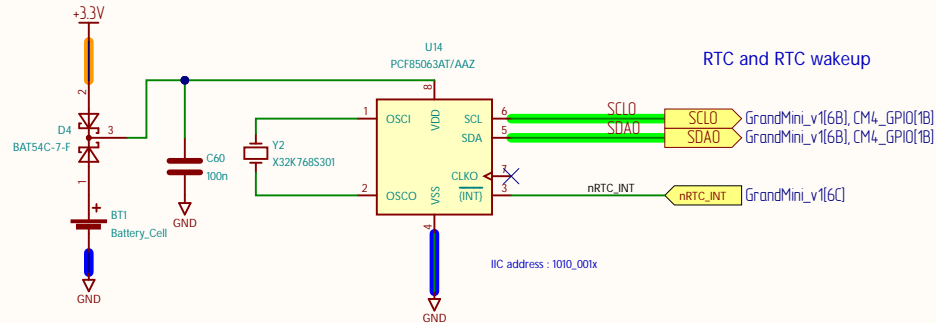




1 2 3 4 5 6

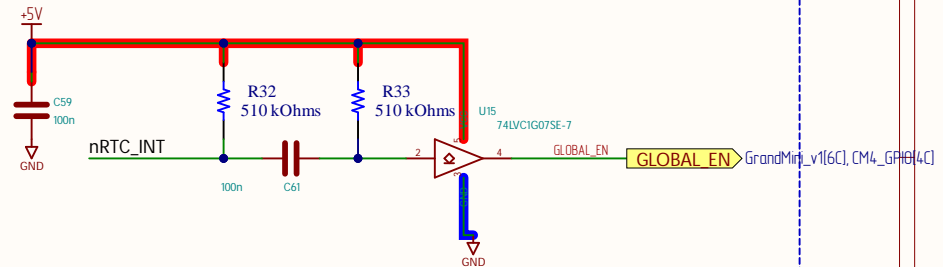
A

A



#### RTC and RTC wakeup

RTC alarms can be used to wake up the Compute module  
NB an Alarm triggering while already awake will cause a reset  
This can be used as a watchdog reset



The above circuit generates a pulse for  
GLOBAL\_EN when nRTC\_INT goes low

GLOBAL\_EN needs to be pulse low for >1mS

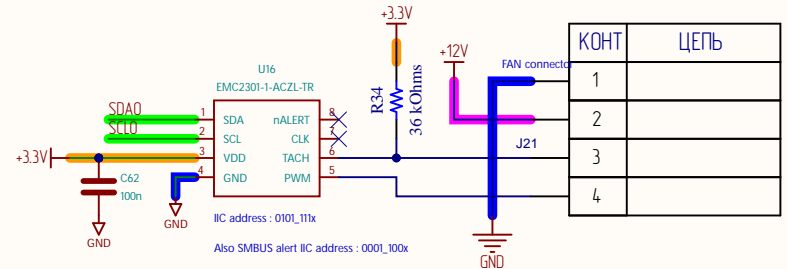
B

B

C

C

#### FAN controller



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Sheet: /

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Title: Compute Module 4 IO Board - RTC - FAN

Size: A4

Date:

Rev: 1

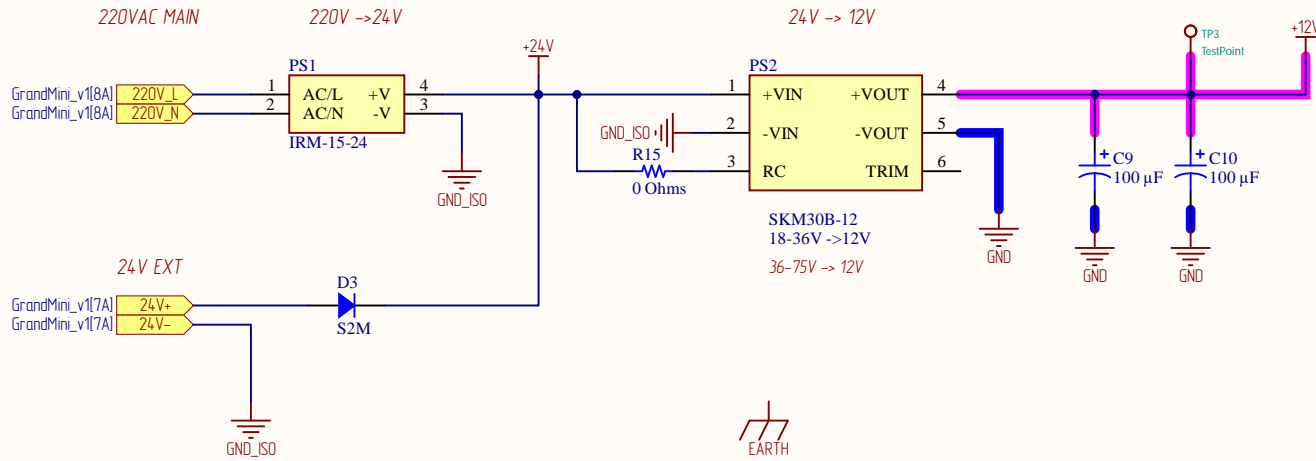
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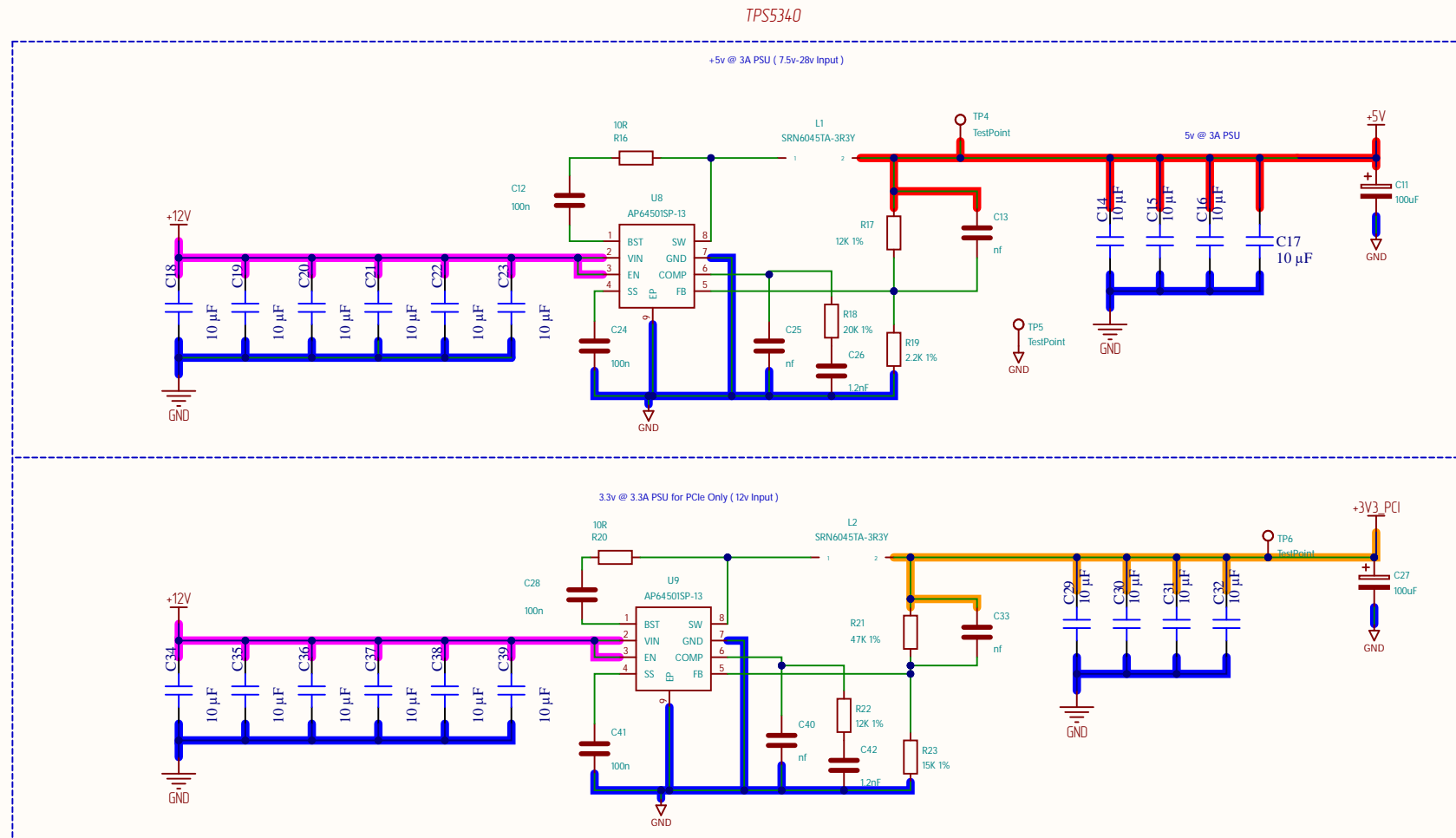
D

1 2 3 4 5 6



4 pin Power connector as found on Floppy drives

Can be used to power other devices if total loading on PSUs aren't exceeded  
Can be used to power the CM4IO board. NB +12v will also be available at the DC Jack  
+12v is only needed for PCIe and the FAN. If these aren't used then +12v isn't needed



Title		
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A3		
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File:	C:\Documents\...\Power.SchDoc	Drawn By: