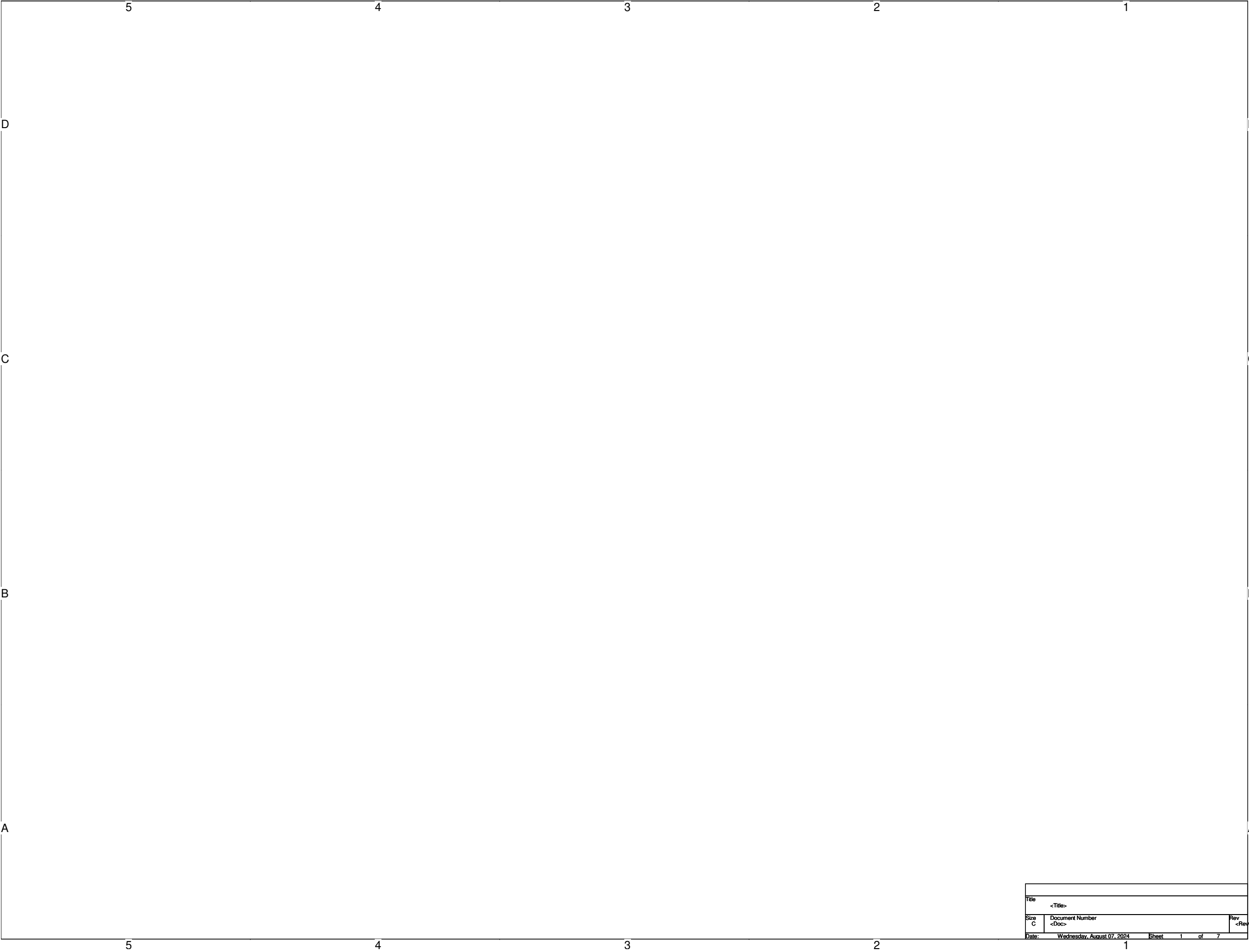
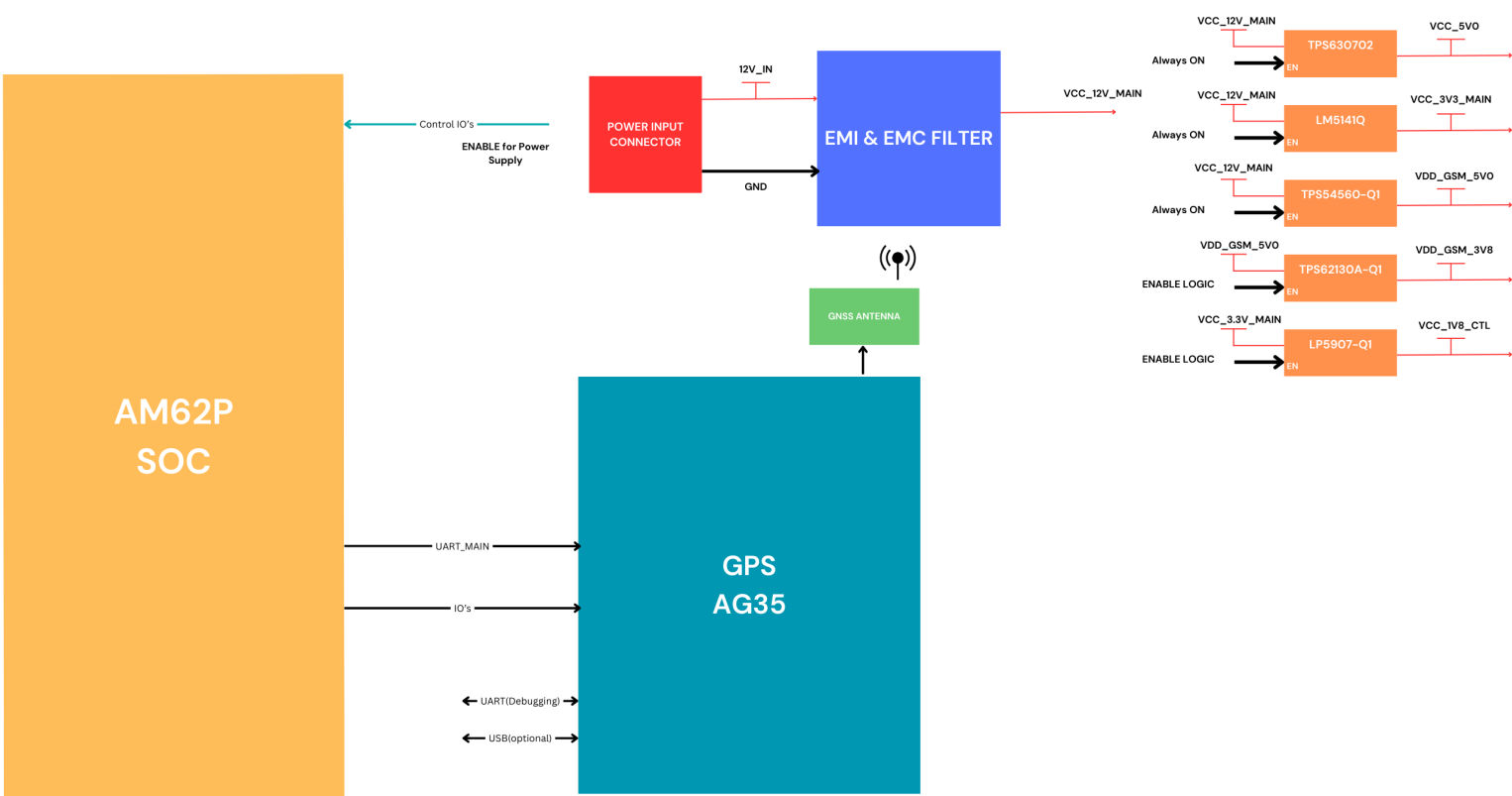


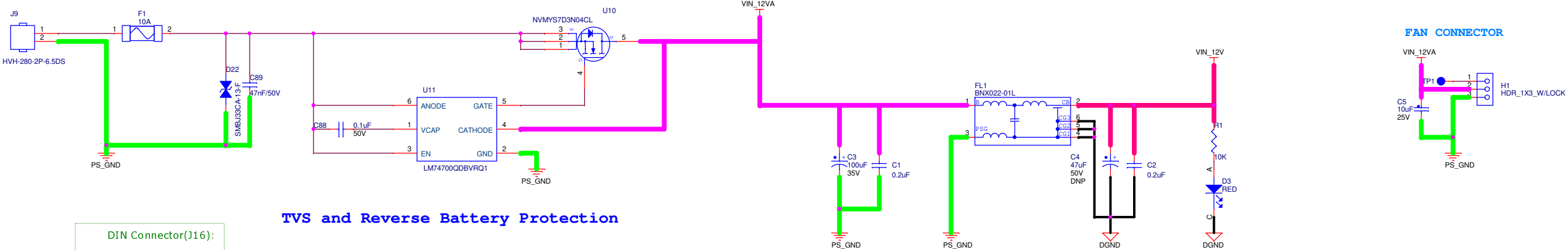


Title		
<Title>		
Size	Document Number	Rev
C	<Doc>	<Rev Code>
Date:	Wednesday, August 07, 2024	Sheet 1 of 7

DAUGHTER BOARD BLOCK DIAGRAM



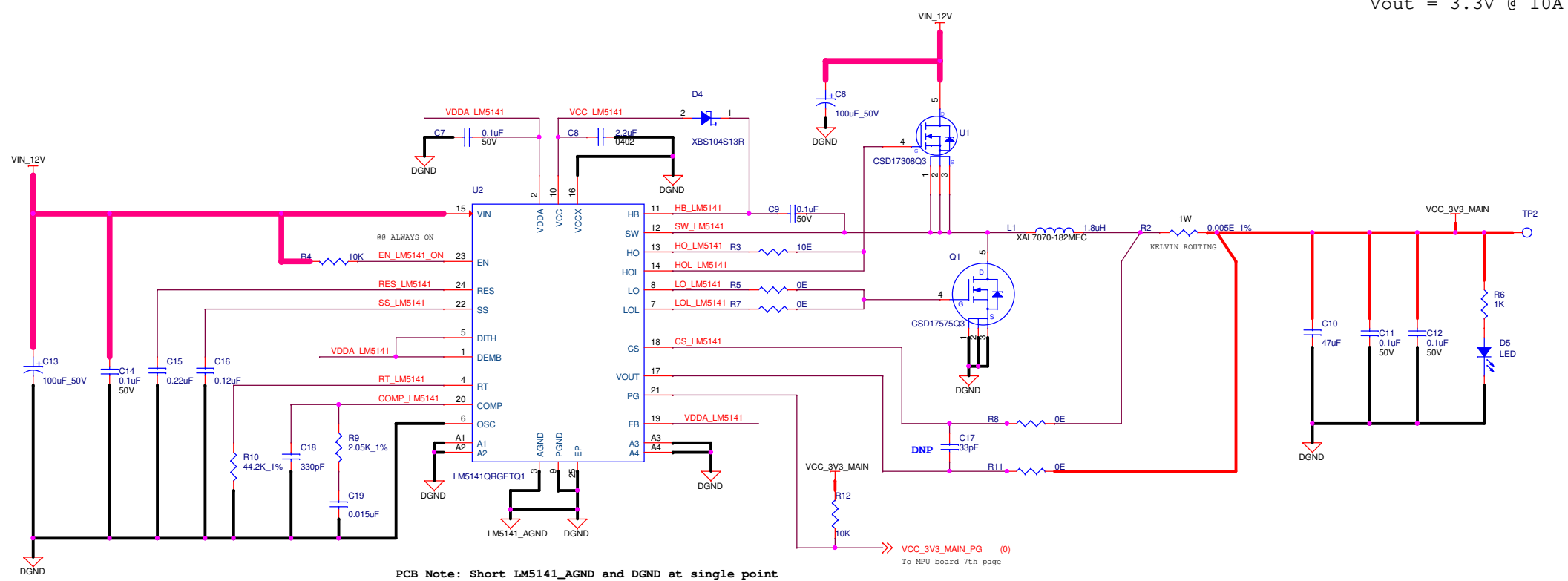
12V DC INPUT DIN CONNECTOR



DIN Connector(J16):
Part number: KPJX-4S-S
Vendor : Kycon

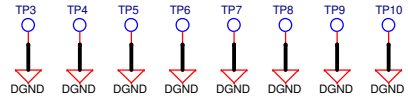
TVS and Reverse Battery Protection

VinMin = 4.5V
VinMax = 15V
Vout = 3.3V @ 10A



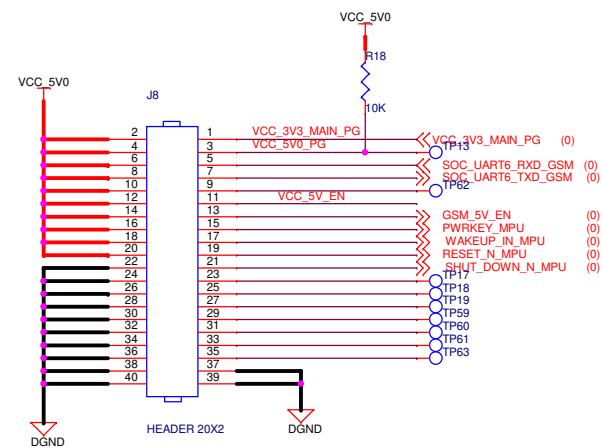
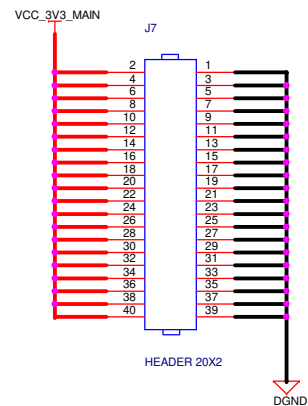
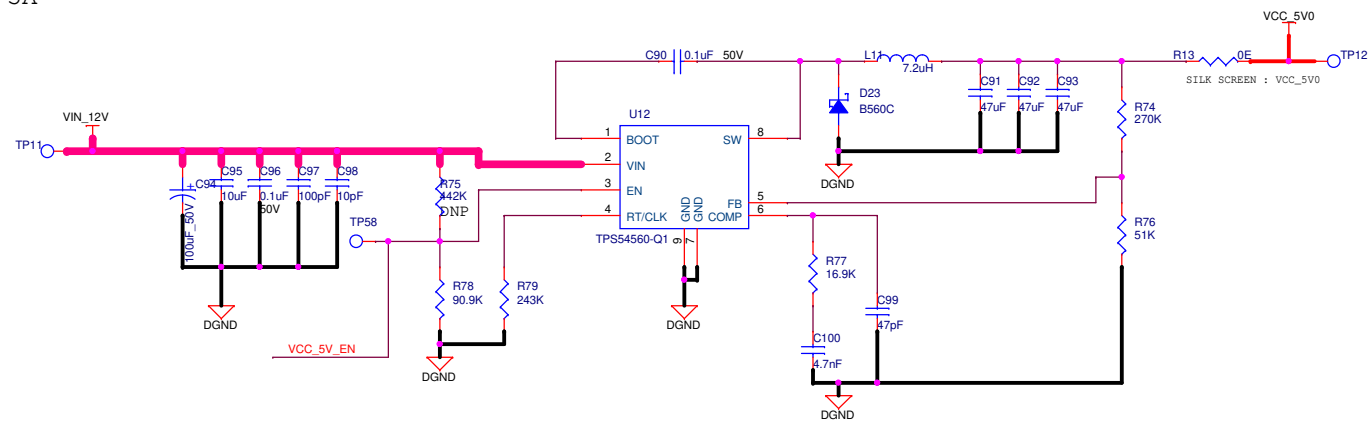
PCB Note: Short LM5141_AGND and DGND at single point

GND TEST POINTS

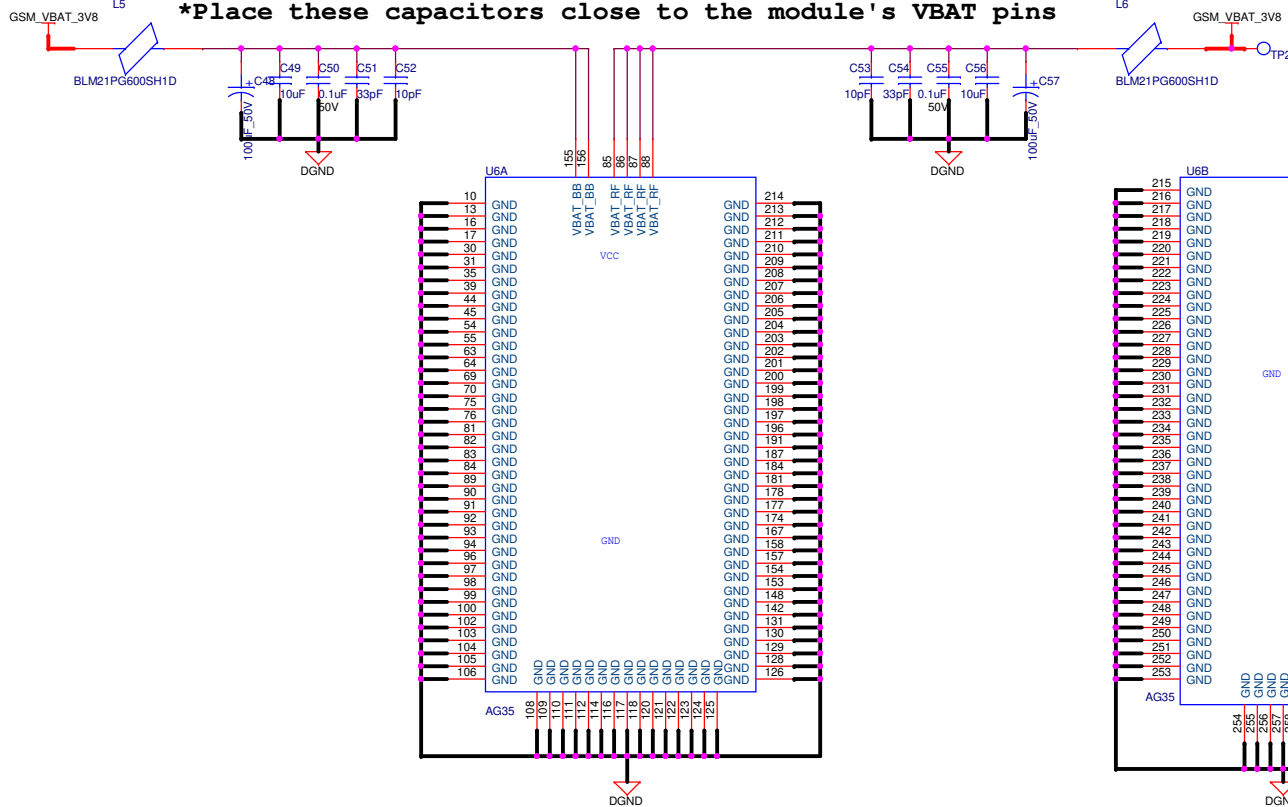
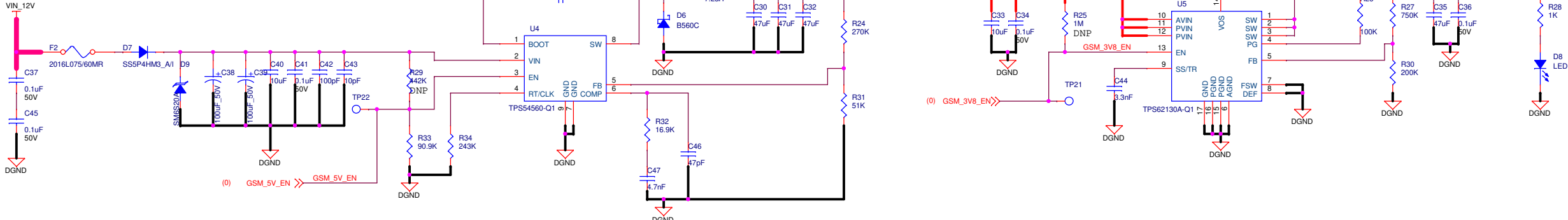


Title <Title>			
Size C	Document Number <Doc>		Rev <Rev Code>
Date: Friday, August 09, 2024 Sheet 3 of 7			

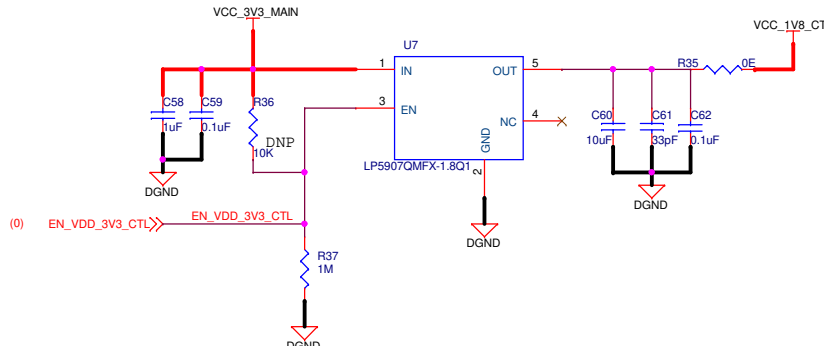
VinMin = 4.5V
VinMax = 60V
Vout = 5V @ 5A

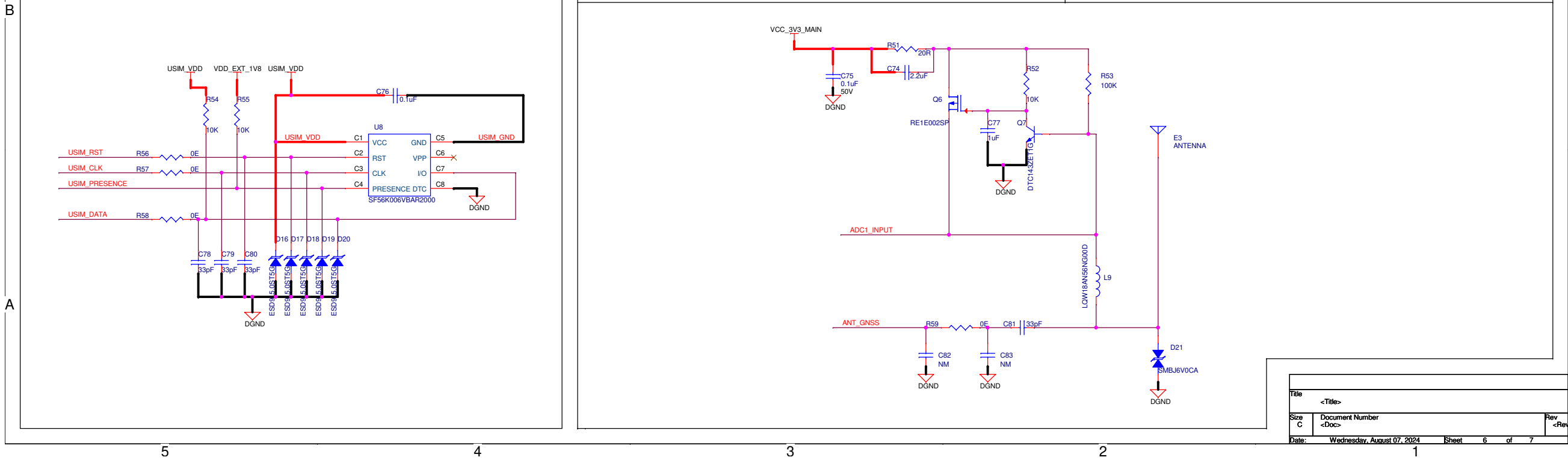
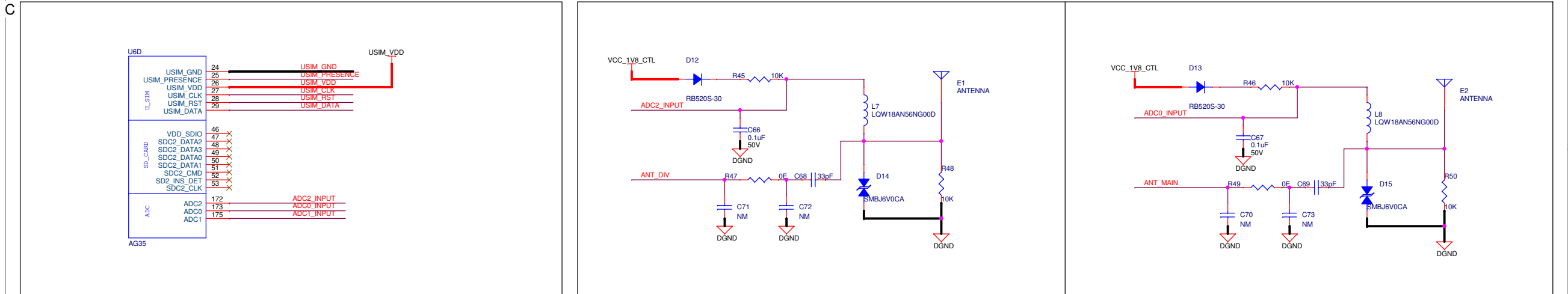
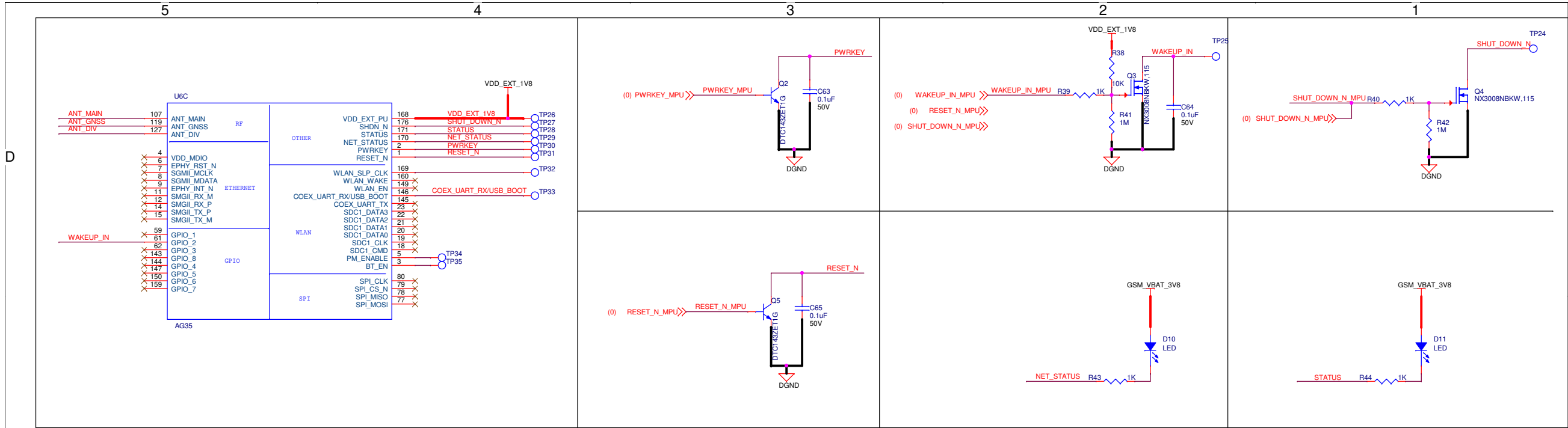


GSM Module Power Supply



MCU Controlled Power Supply





Title			<Title>
Size	Document Number	Rev	<RevCode>
C	<Doc>		
Date: Wednesday, August 07, 2024			Sheet 6 of 7

