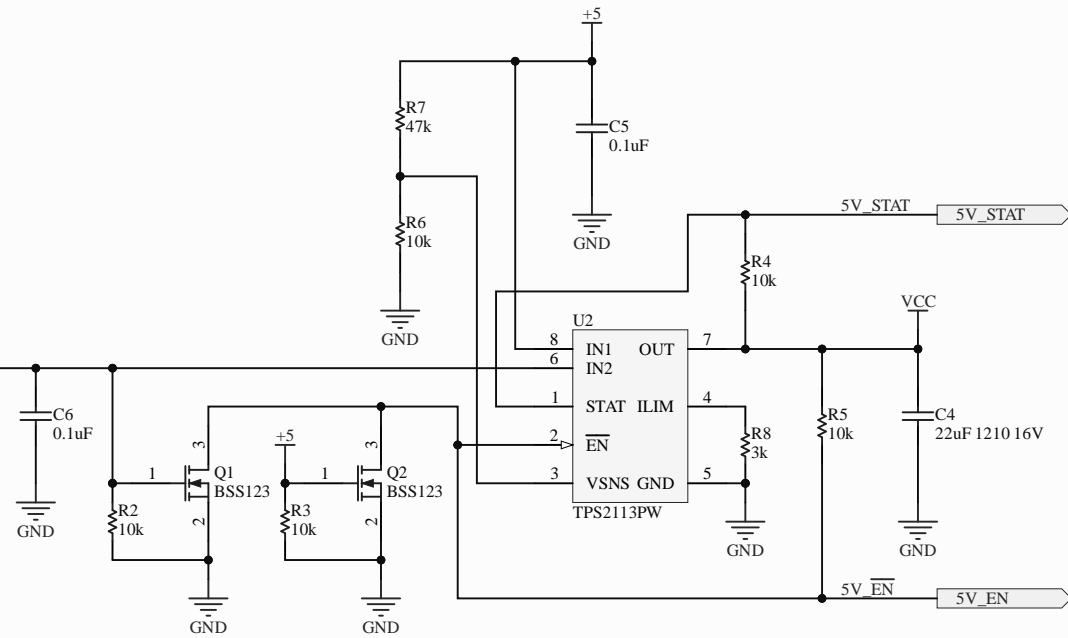
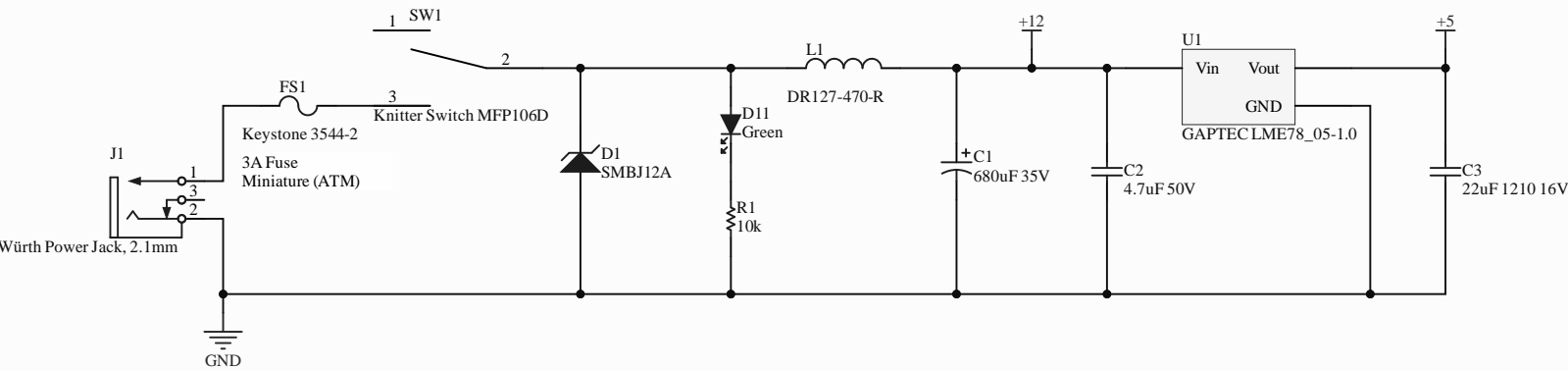


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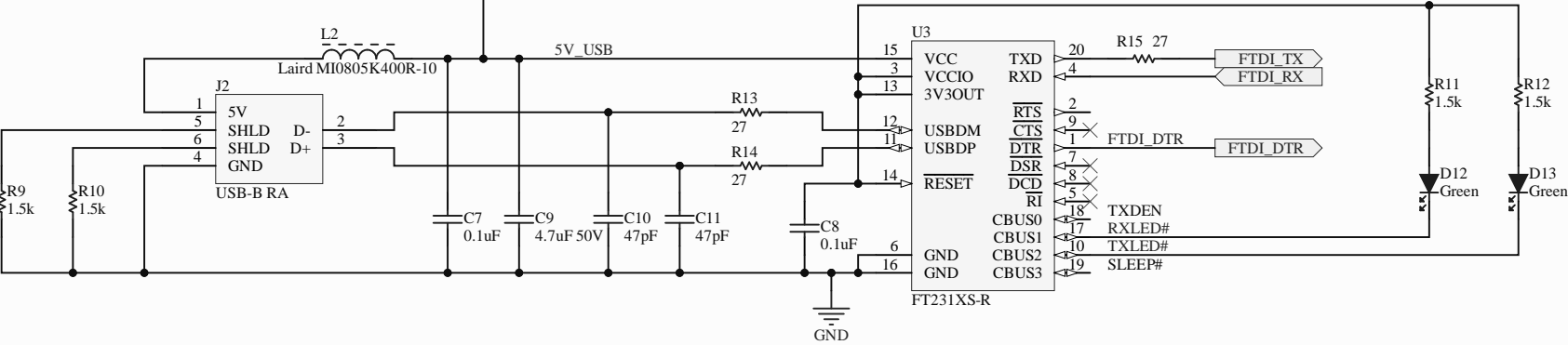
SHEET

Intended 12V Power Supply:  
Mean Well GST36U12-P1J



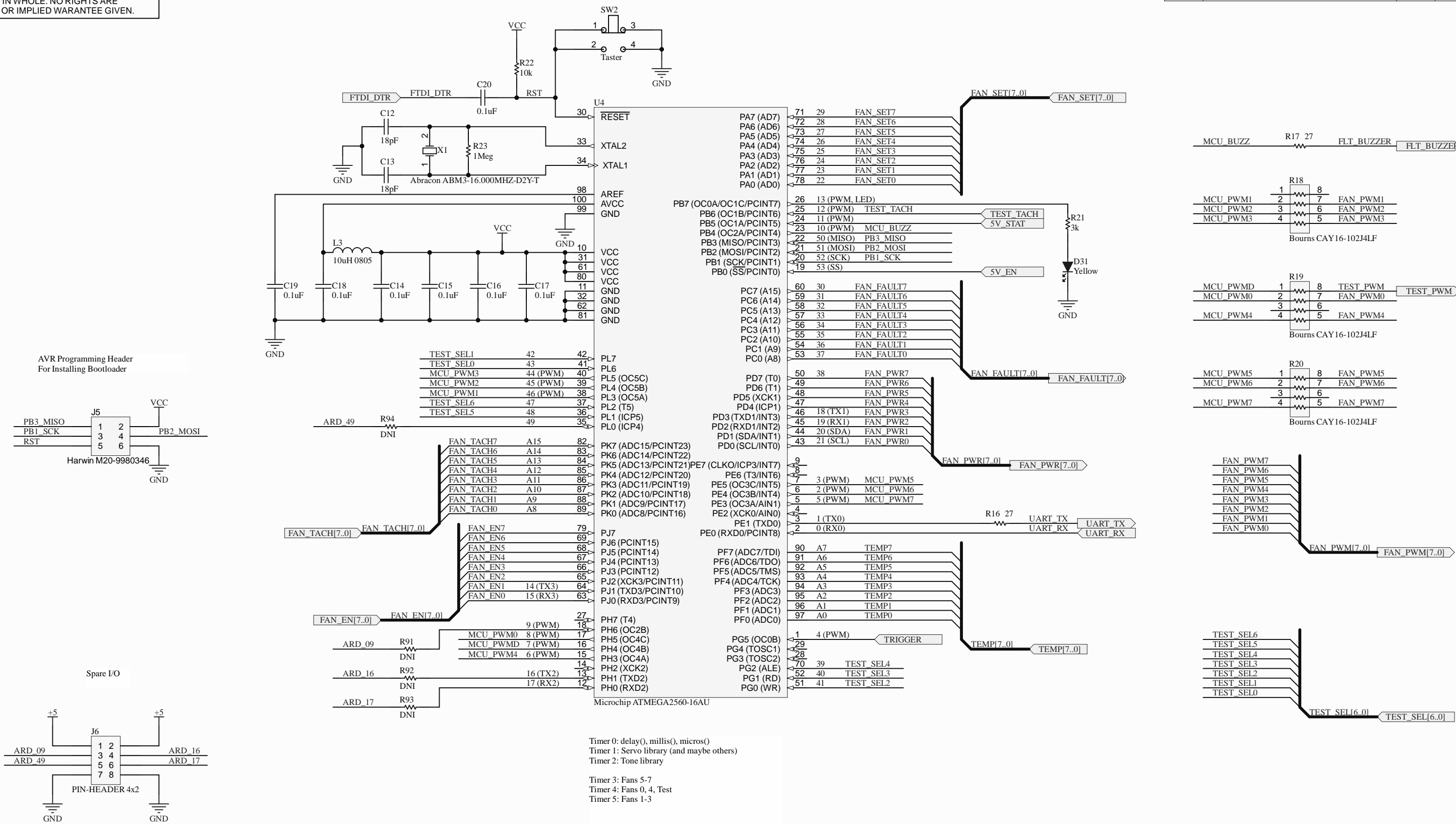
Controls power to microcontroller  
- Prioritizes 5V regulator from 12V power (once >4.5V, at least)  
- Lets USB power run the FTDI chip and microcontroller for programming; isolates all other 5V sources.  
- Under AVR header programming (no USB or 12V power), prevents power back-feeding to USB port or other 5V circuitry.  
- Limits current to <167mA


Diagnostics  
- 5V regulator: 5V\_EN = 0, 5V\_STAT = 0  
- USB power: 5V\_EN = 0, 5V\_STAT = 1  
- AVR power: 5V\_EN = 1, 5V\_STAT = 0

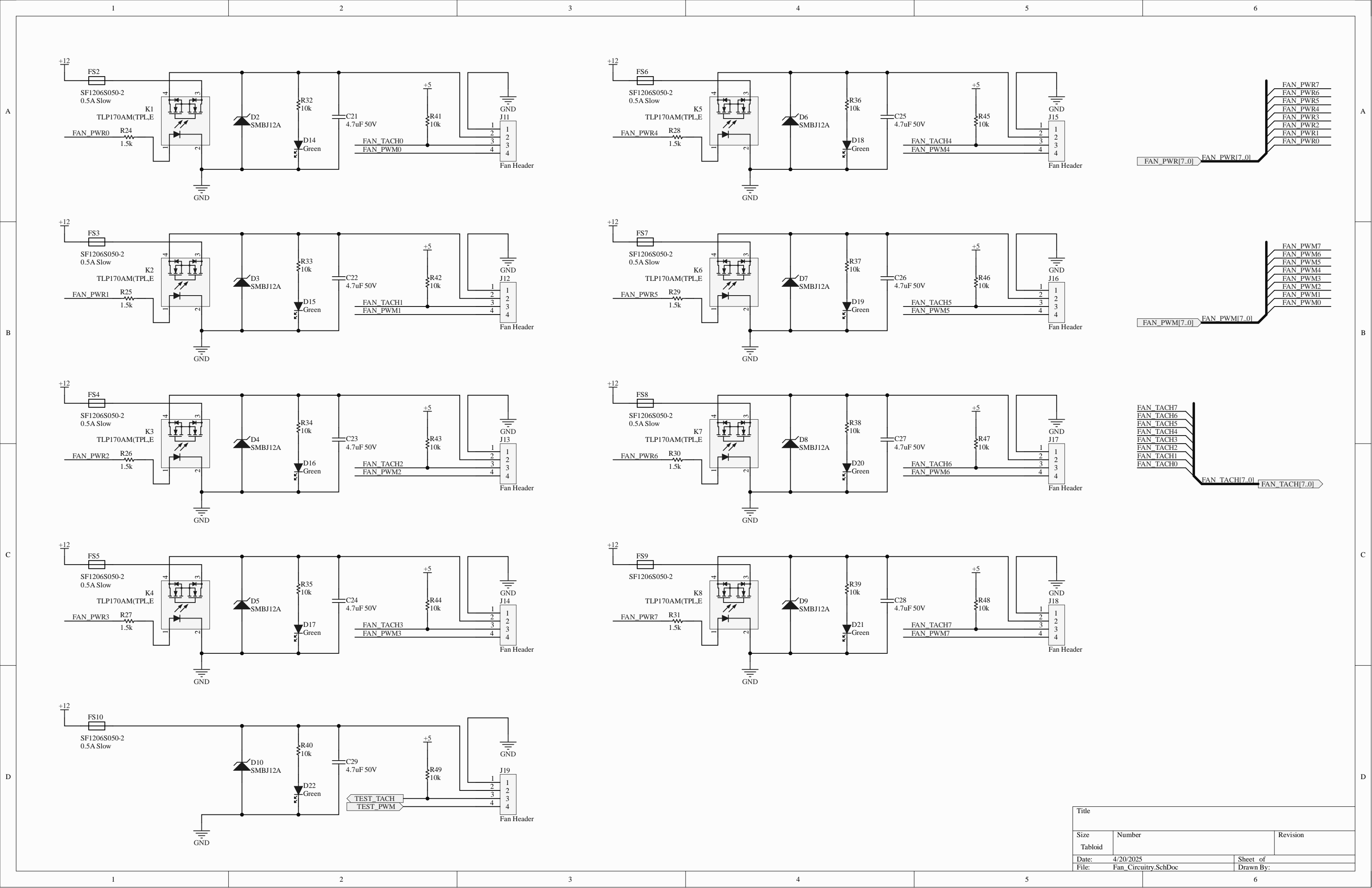


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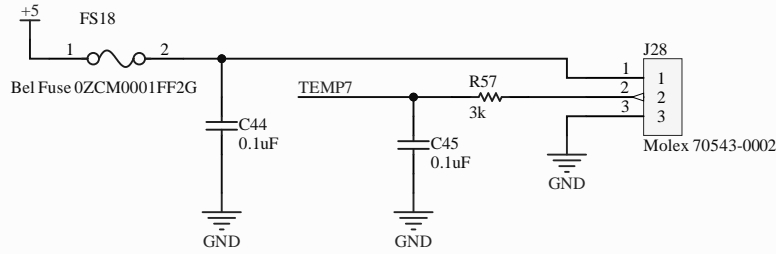
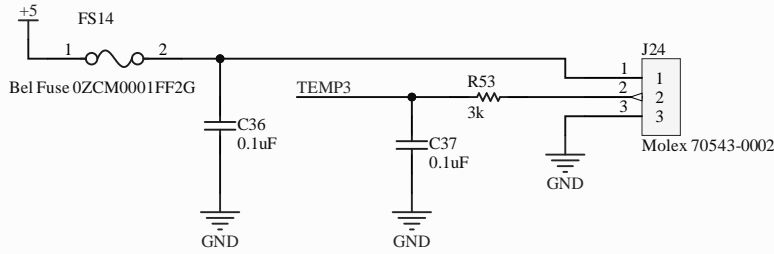
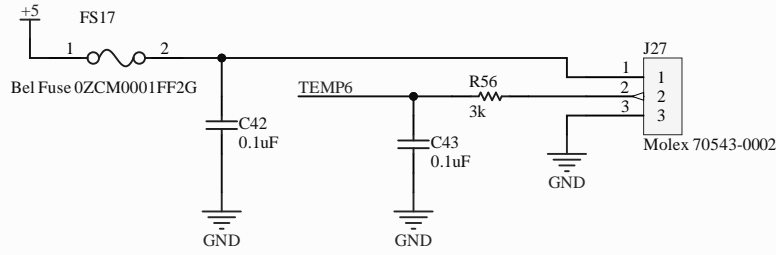
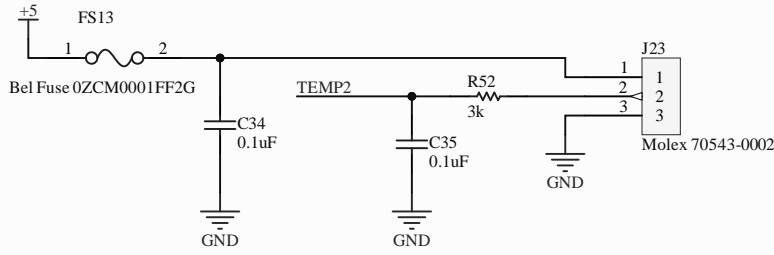
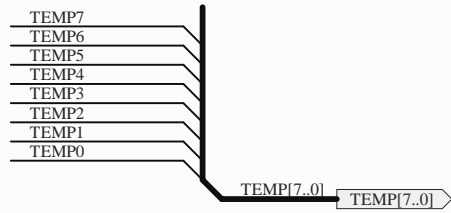
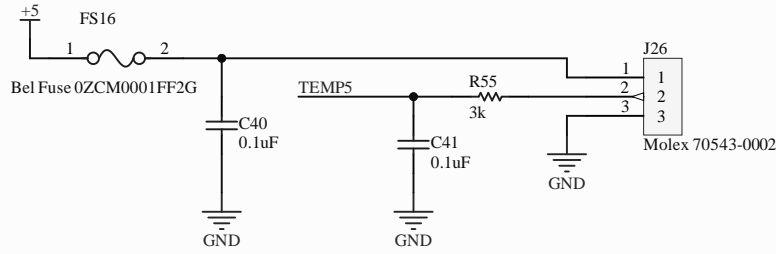
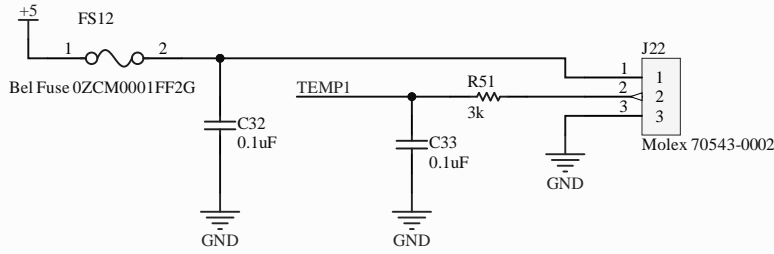
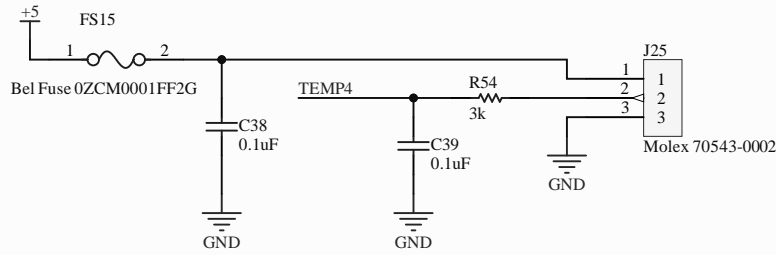
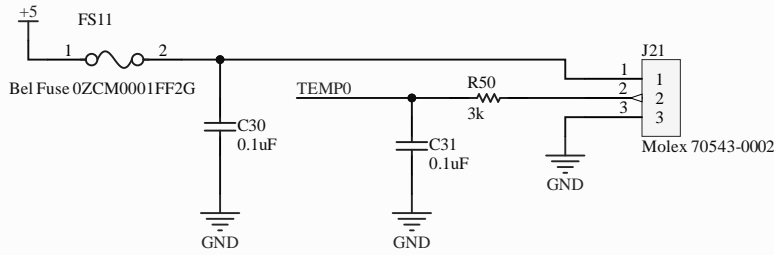
REVISION	DESCRIPTION	DATE	APPROVED



APPROVALS		DATE	PROJECT				* * * *	
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DSN: *								
CHK: *								
REFERENCE DOCUMENTS			TITLE *					
BOM:								
ASSY DWG:								
FAB DWG:								
PCB DWG:			SCALE:	FILE NAME	ATMega2560.SchDoc		SHEET	3 OF 6
			SIZE B	CAGE CODE	DWG NO.		REV A.3	



Intended Sensor:  
Analog Devices TMP36GT9Z



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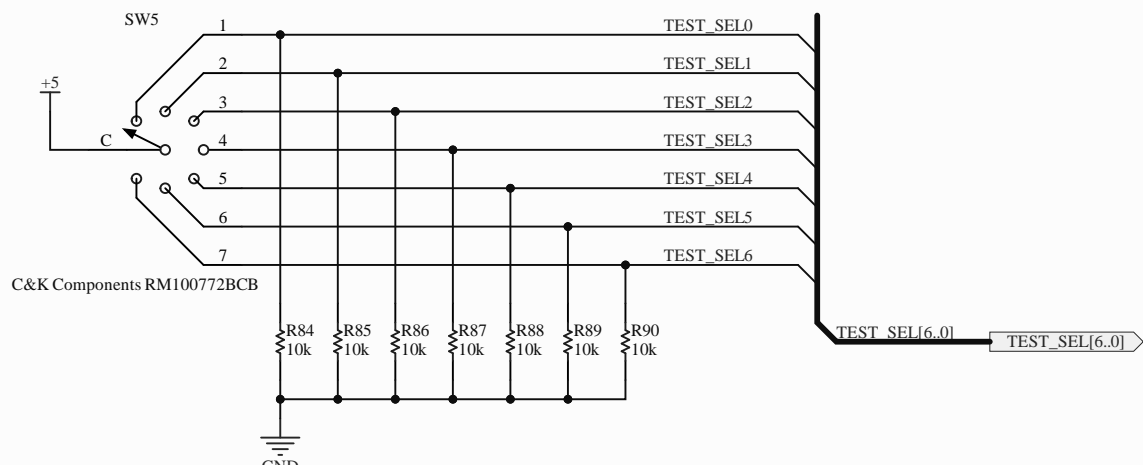
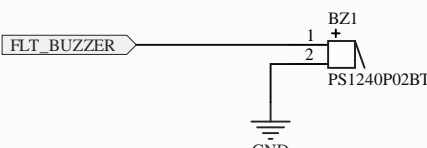
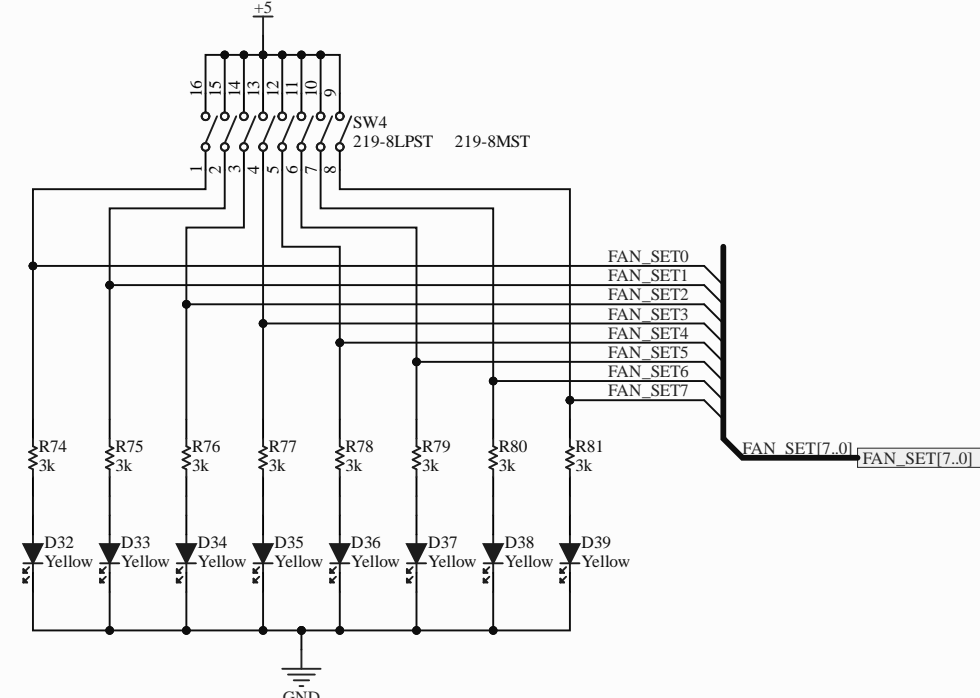
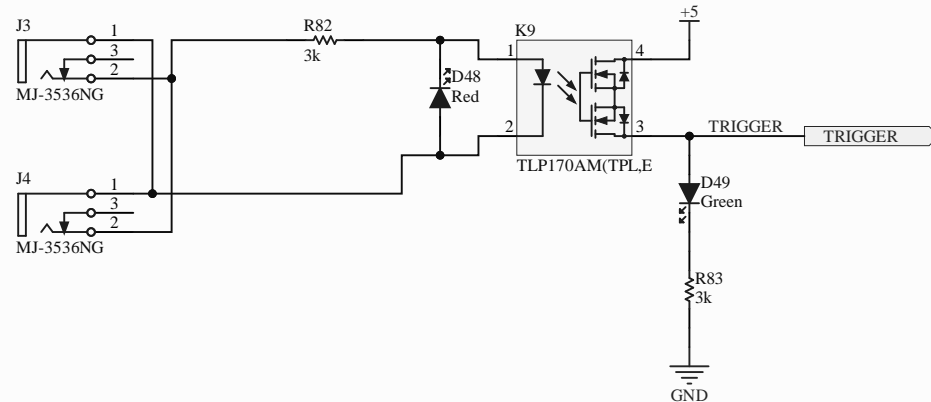
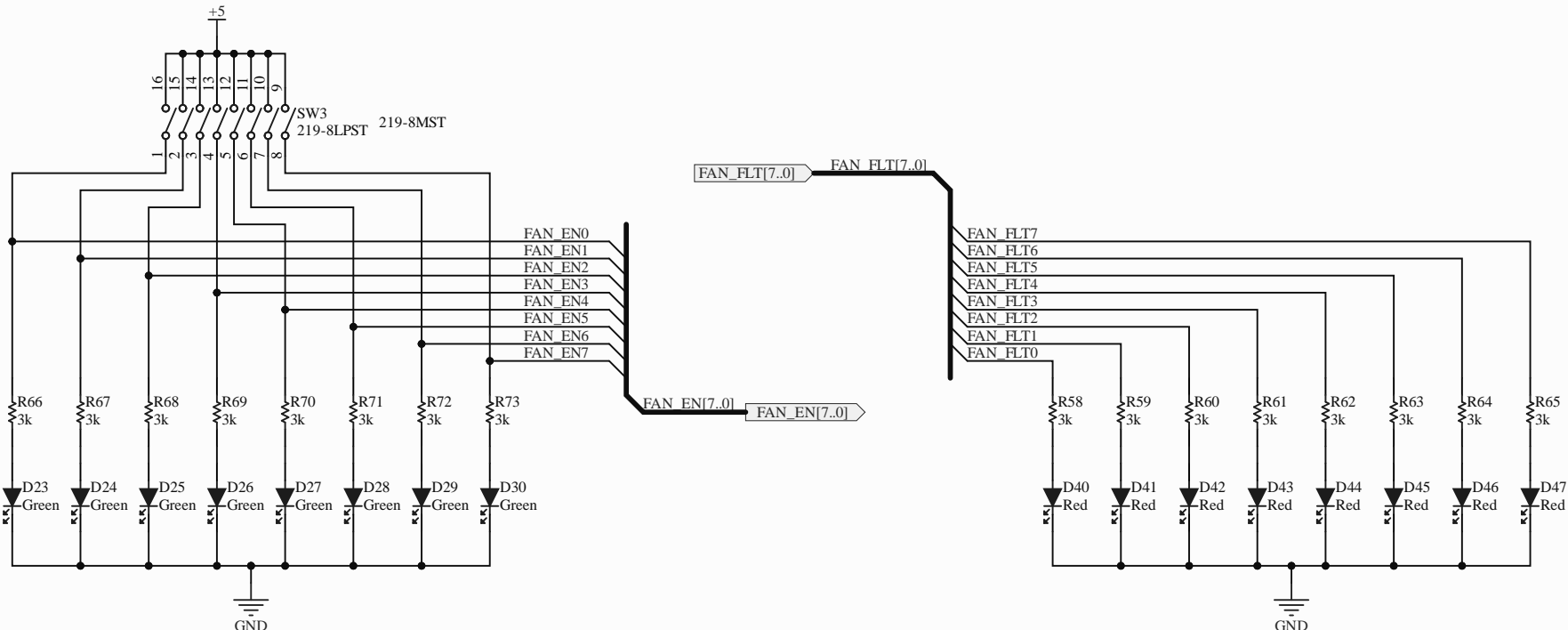
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