

SF2-DMPM-DB Rev B

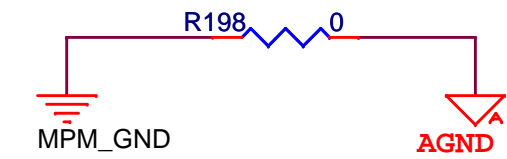
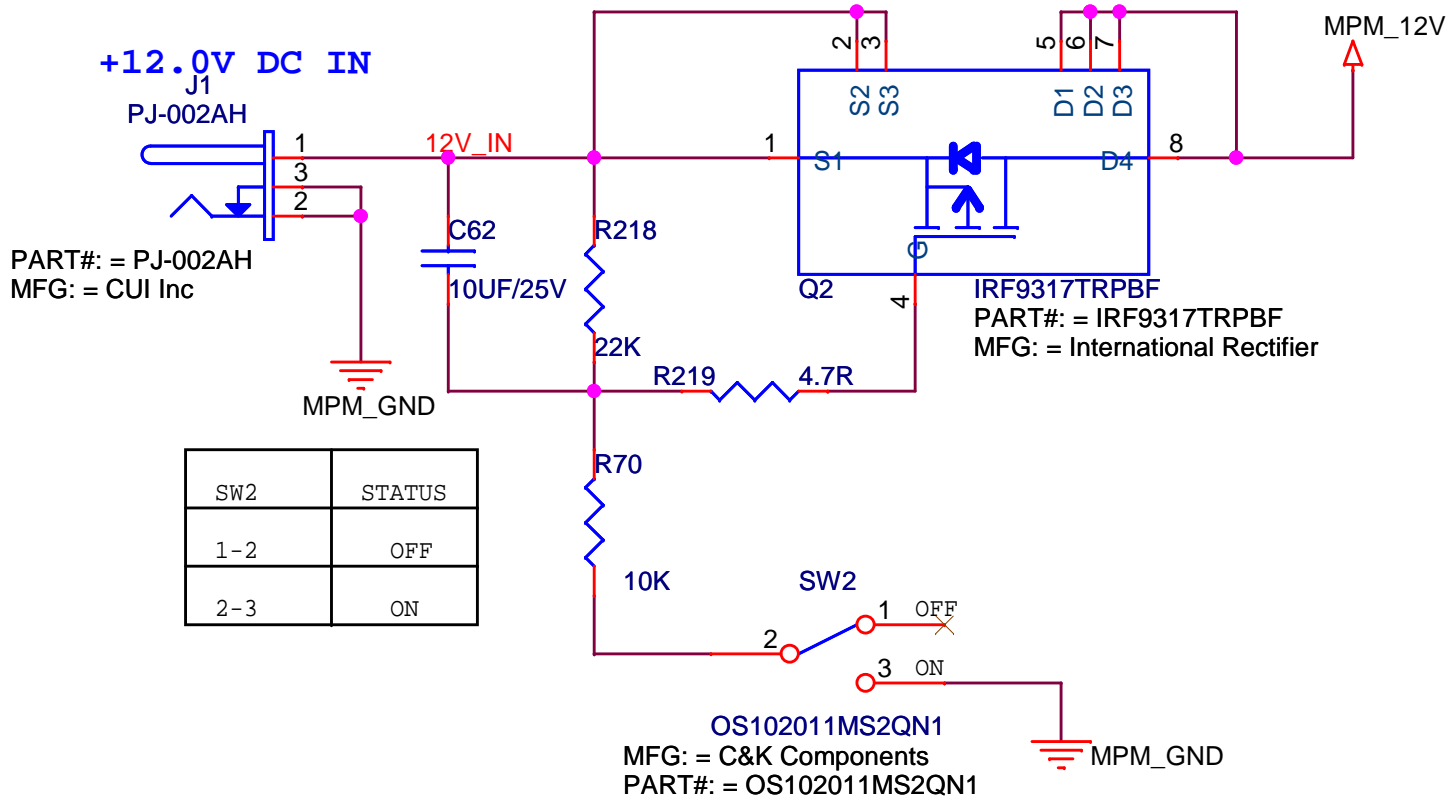
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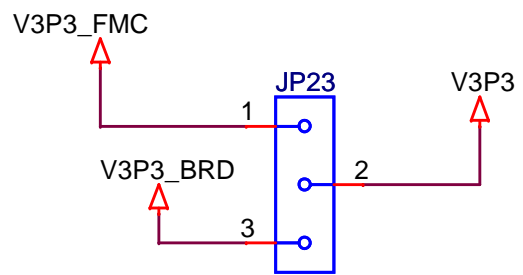
Project Name:		
SF2-DMPM-DB		
Rev	Part Number:	
B	MICROSEMI: DVP-100-000401-001 Rev A	PACTRON: 305-PD-13-XXXX
Designer		
Ghuru Kumaravelu		
Size	Date:	
Custom	Thursday, February 21, 2013	
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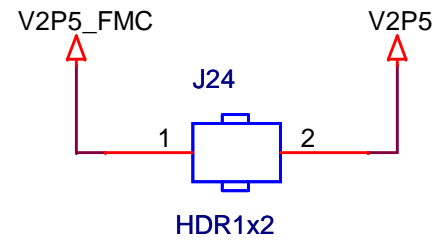
12V POWER SWITCH



0603-PART NO:RC0603JR-070RL, 1/10W
1206-PART NO:RC1206JR-070RL, 1/4W



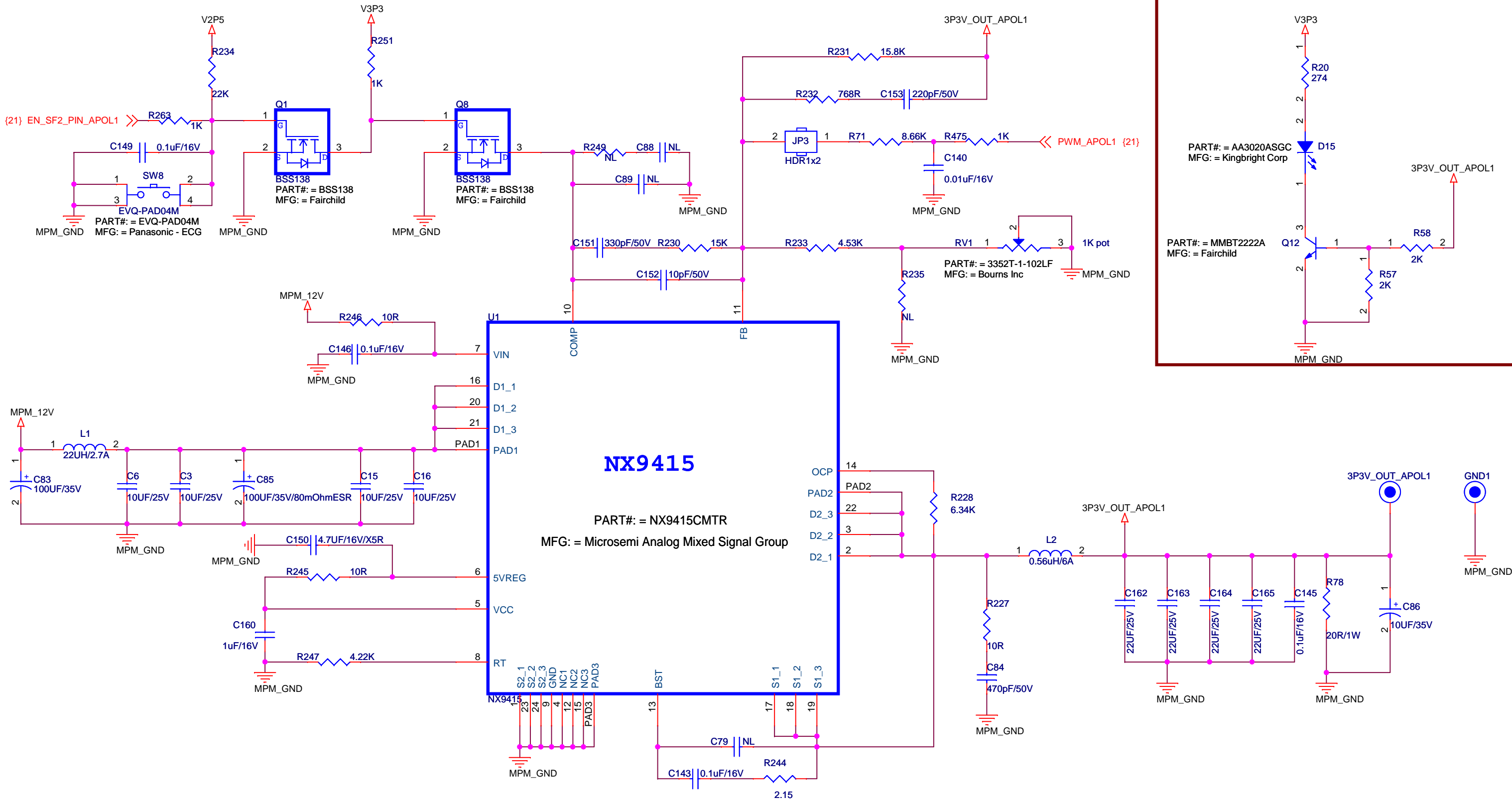
PART#: = 3-644456-3
MFG: = Tyco Electronics



HDR1x2

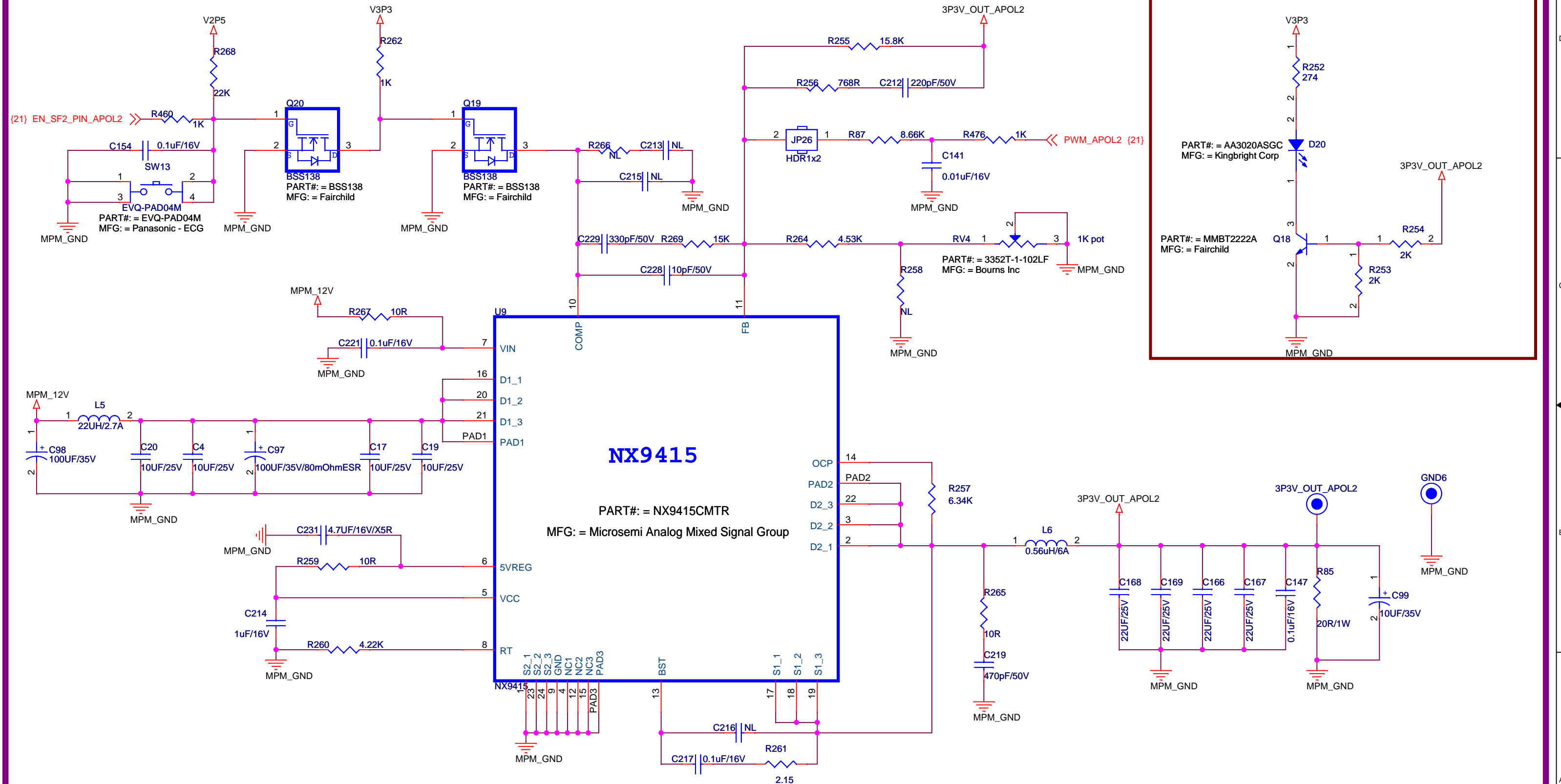
APOL1/3.3V - NX9415

TRANSISTOR DRIVEN LED CIRCUIT



APOL2/3.3V - NX9415

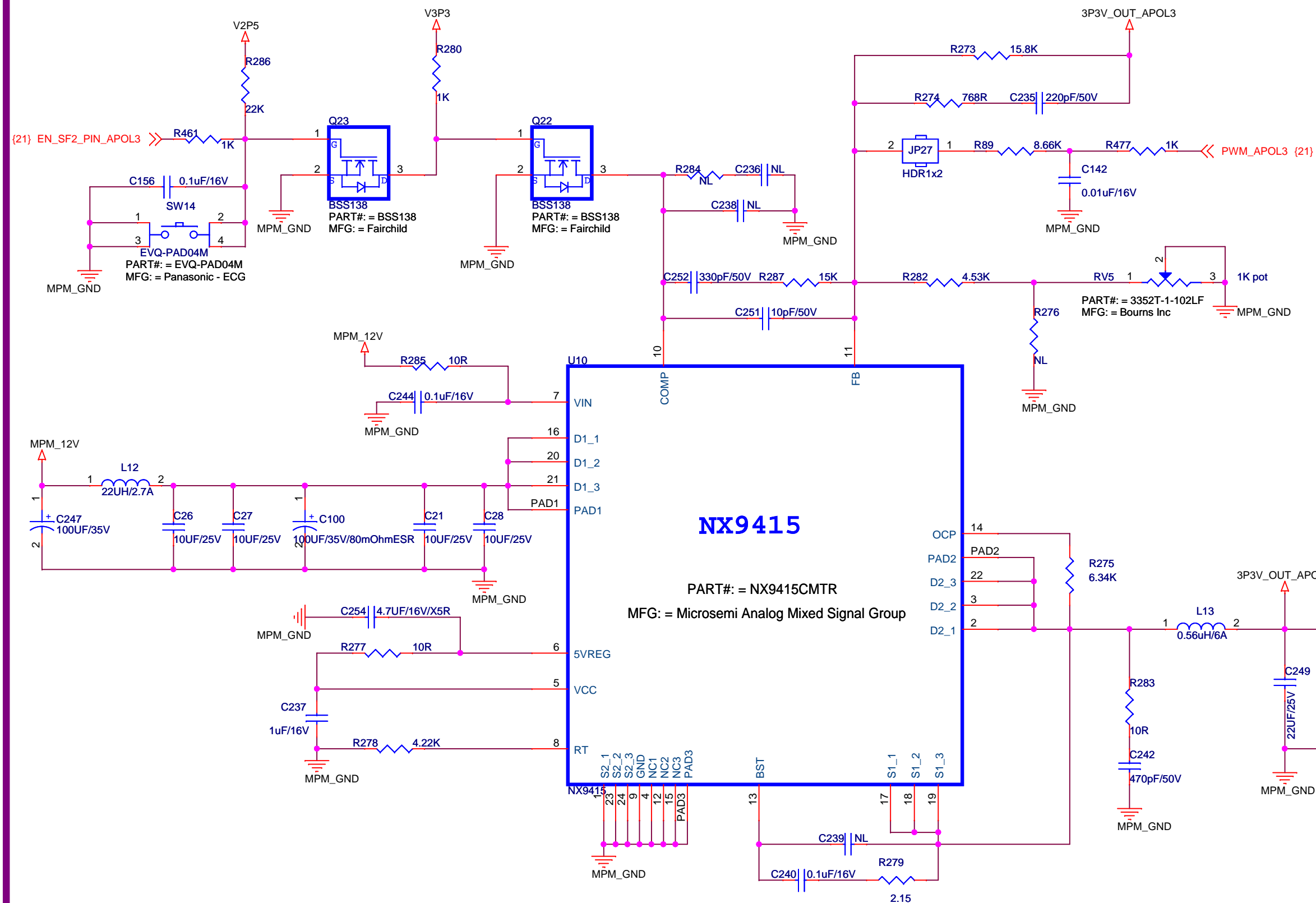
TRANSISTOR DRIVEN LED CIRCUIT



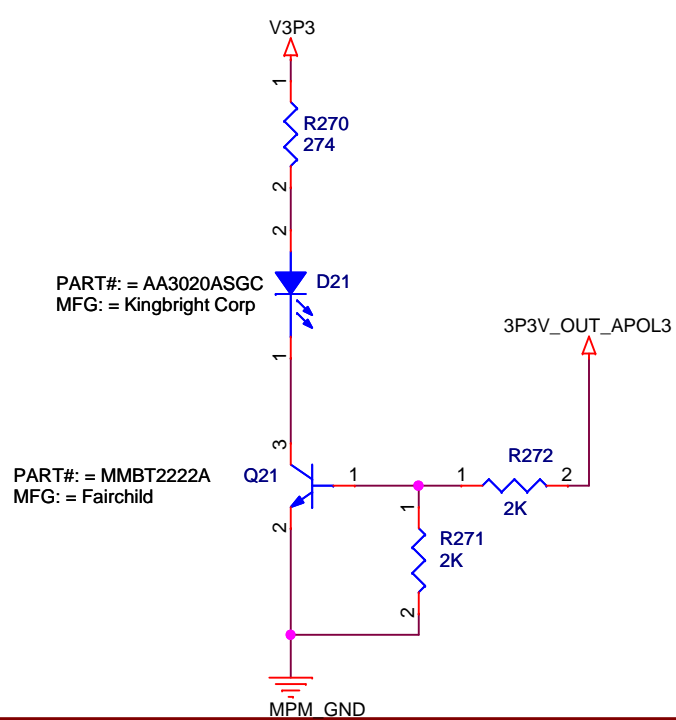
Microsemi

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Rev B				

APOL3/3.3V - NX9415

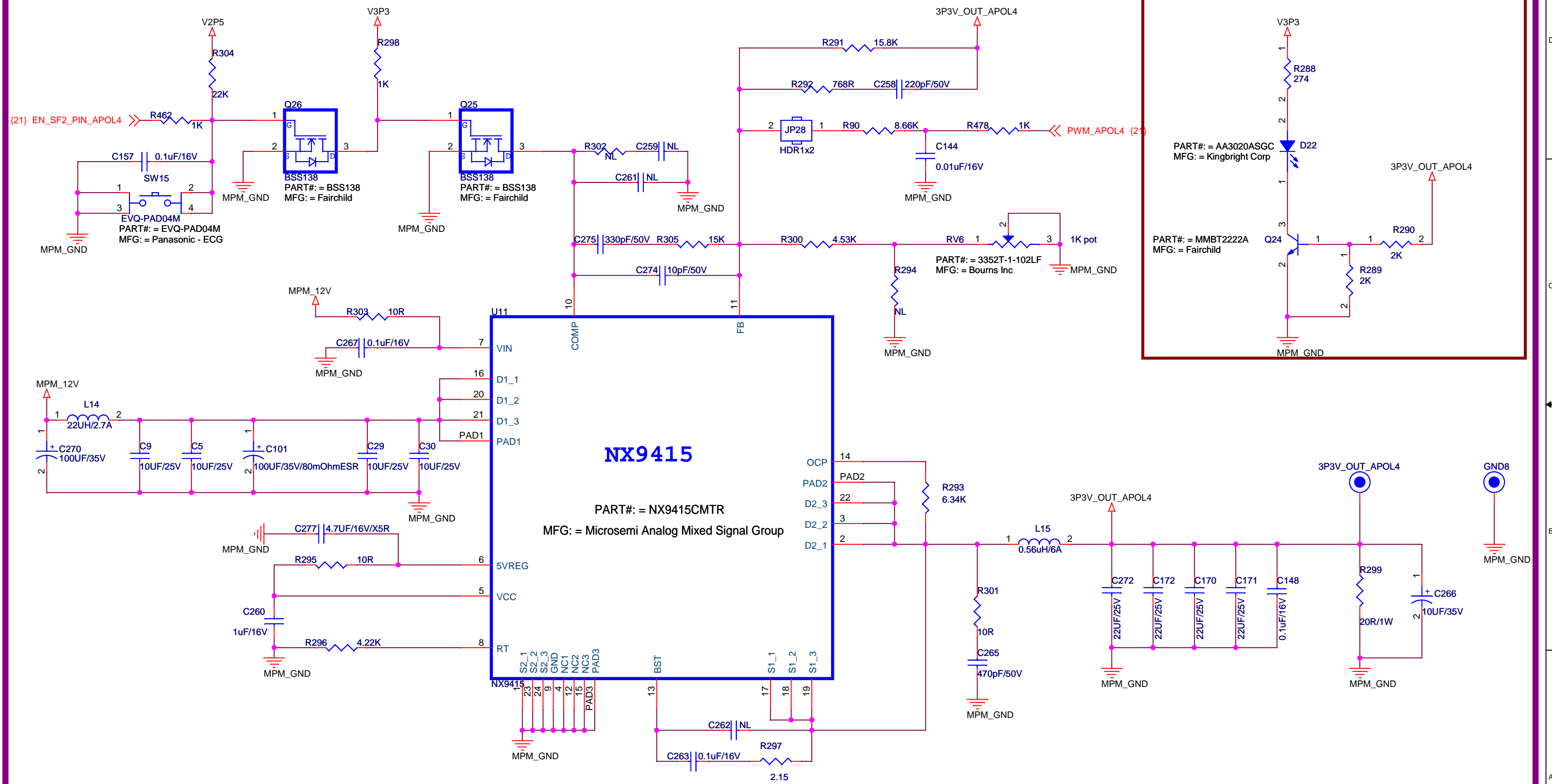


TRANSISTOR DRIVEN LED CIRCUIT

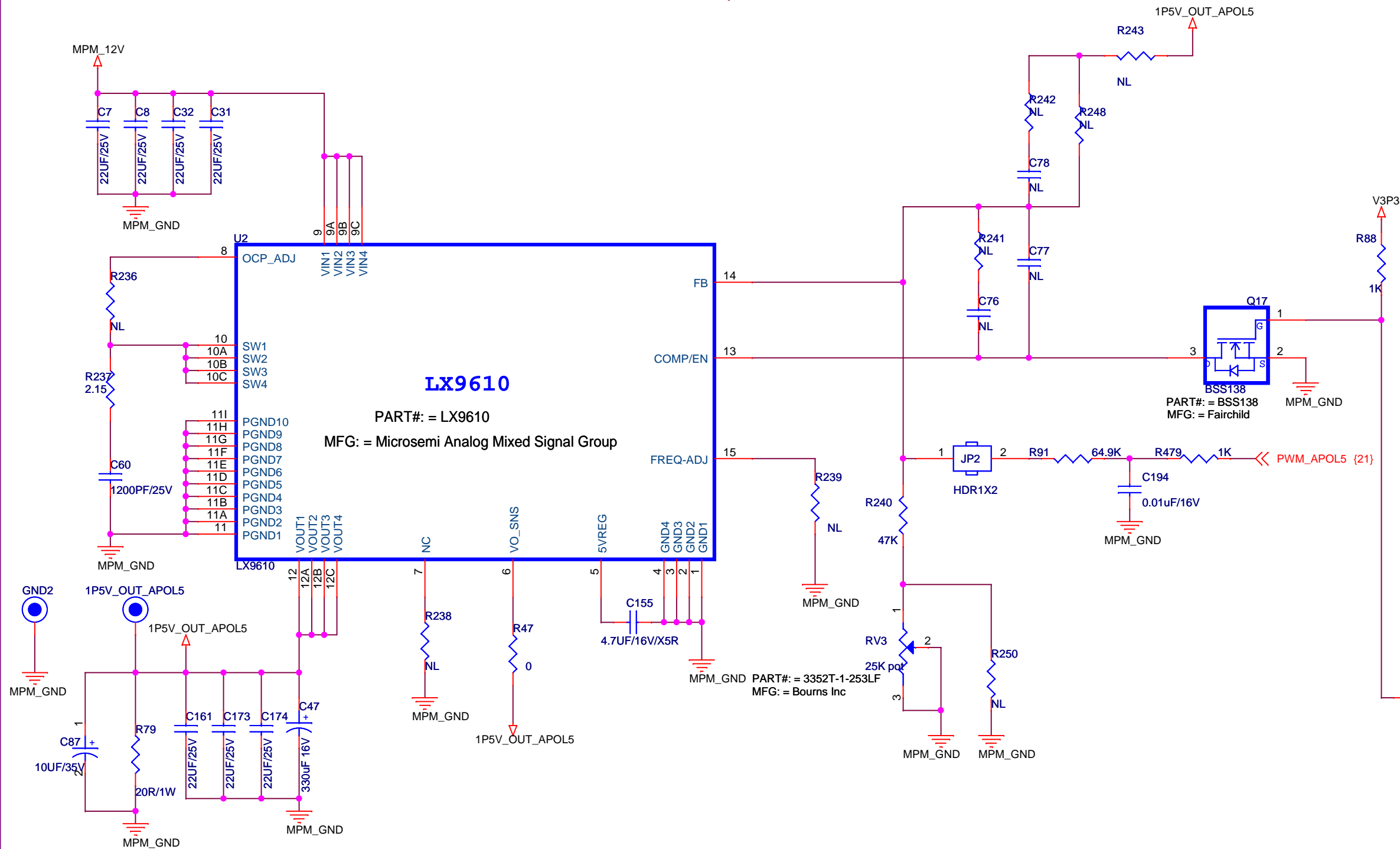


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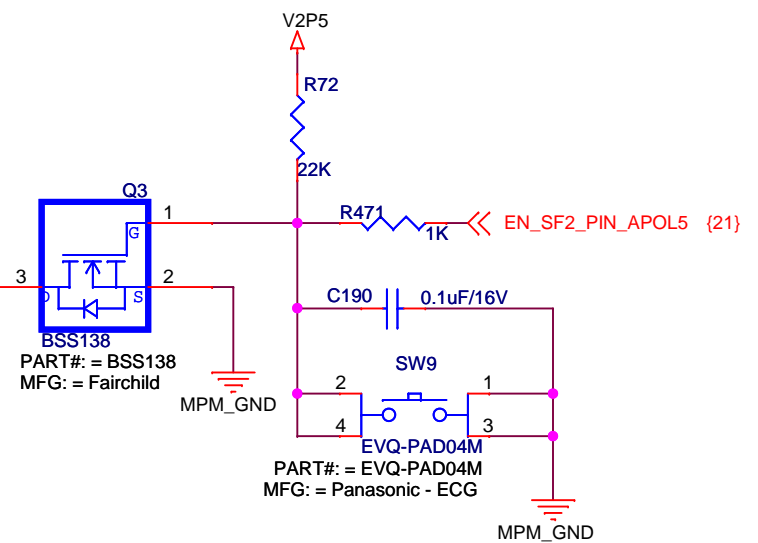
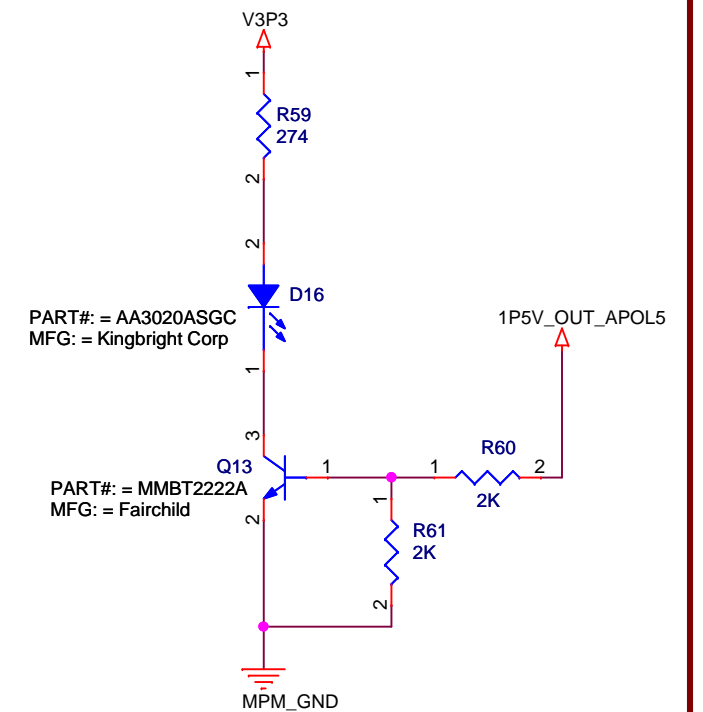
APOL4/3.3V - NX9415



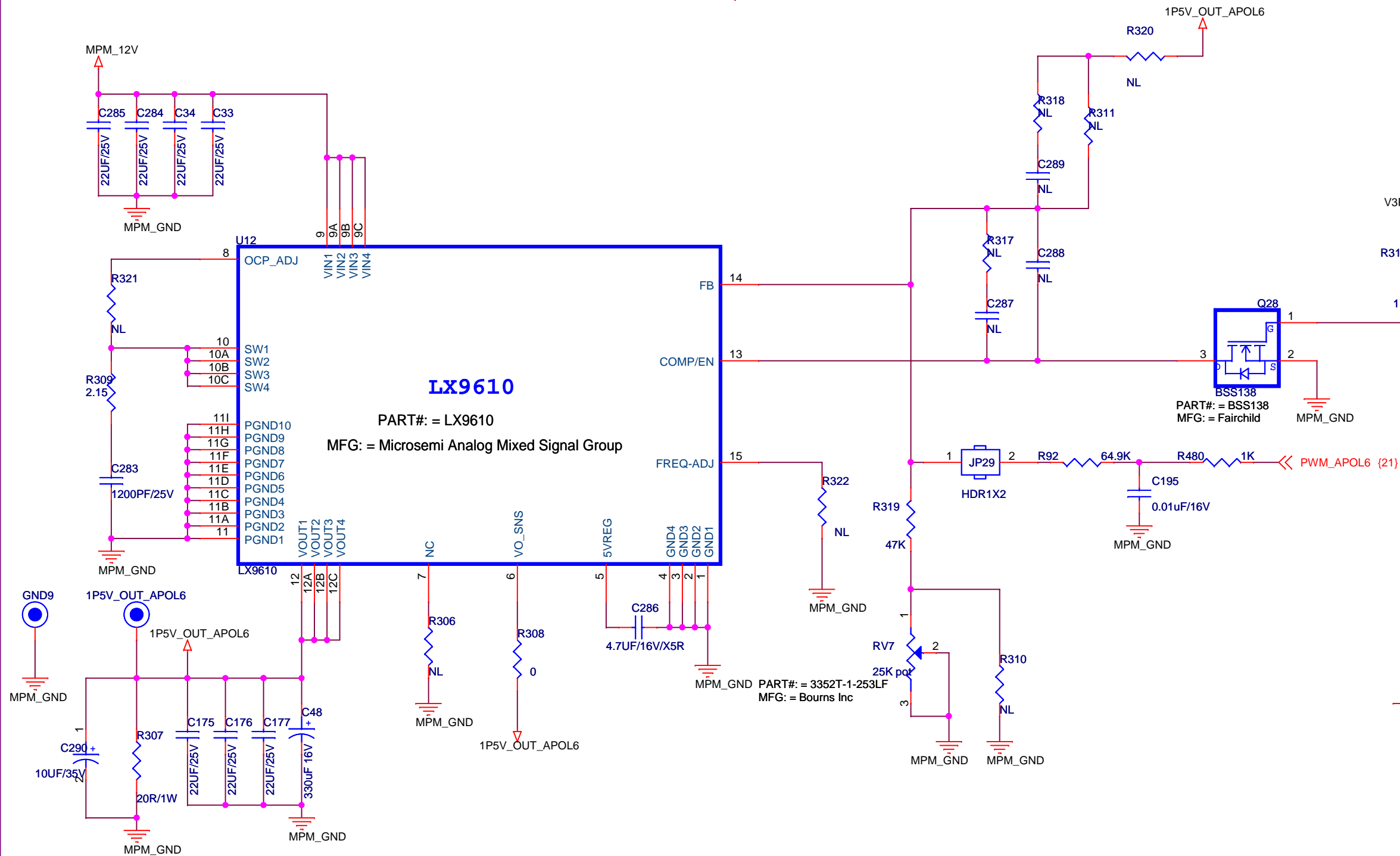
APOL5/1.5V - LX9610



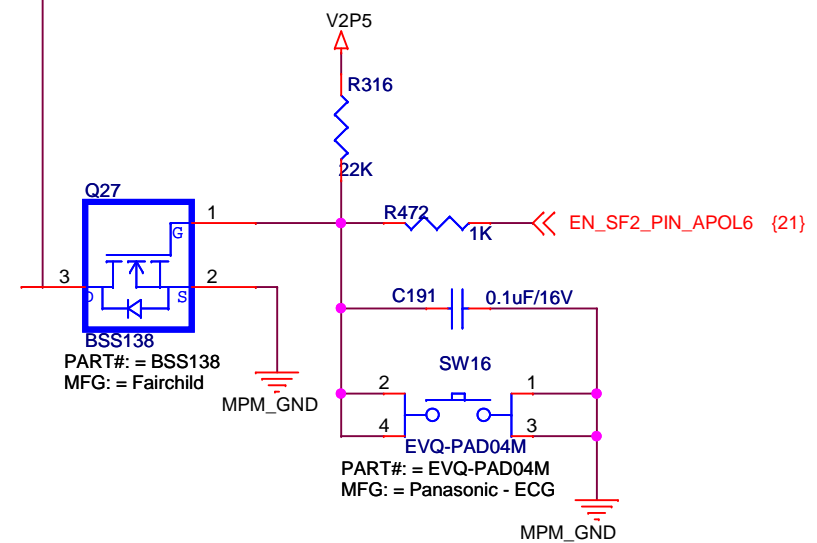
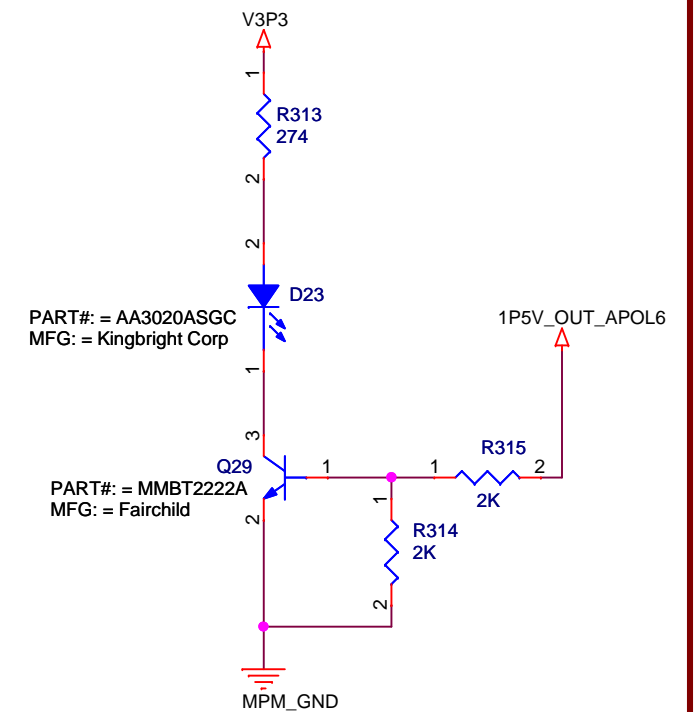
TRANSISTOR DRIVEN LED CIRCUIT



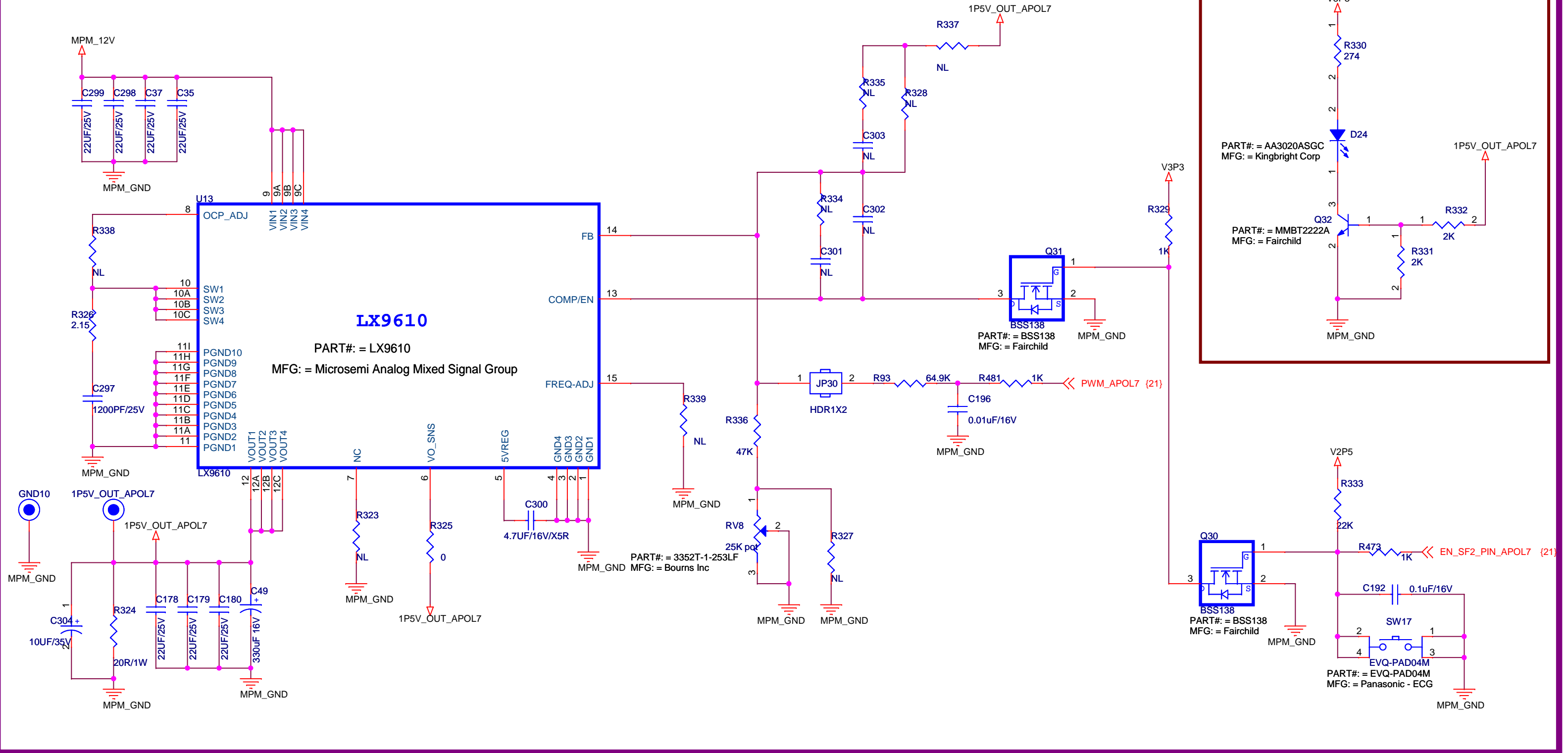
APOL6/1.5V - LX9610



TRANSISTOR DRIVEN LED CIRCUIT

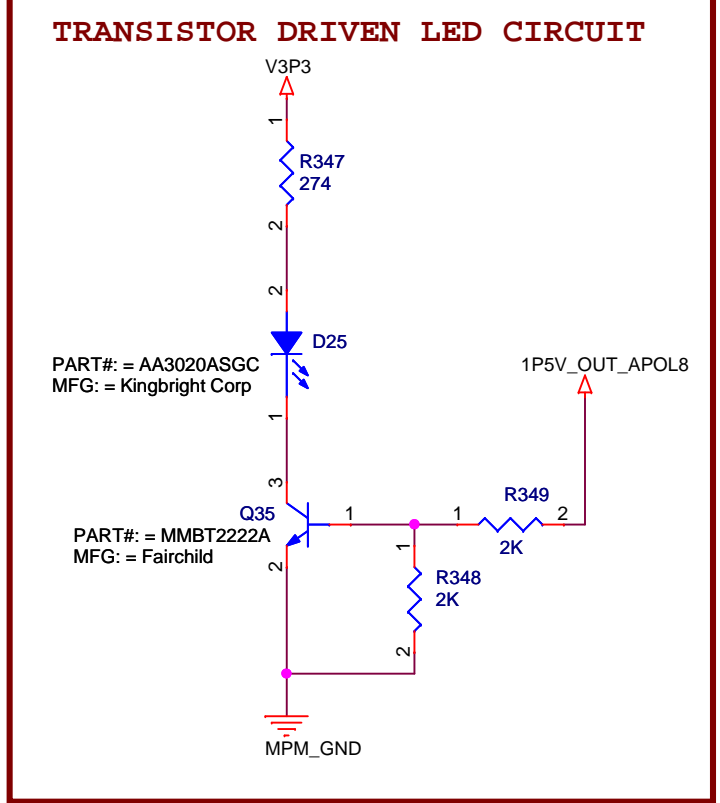
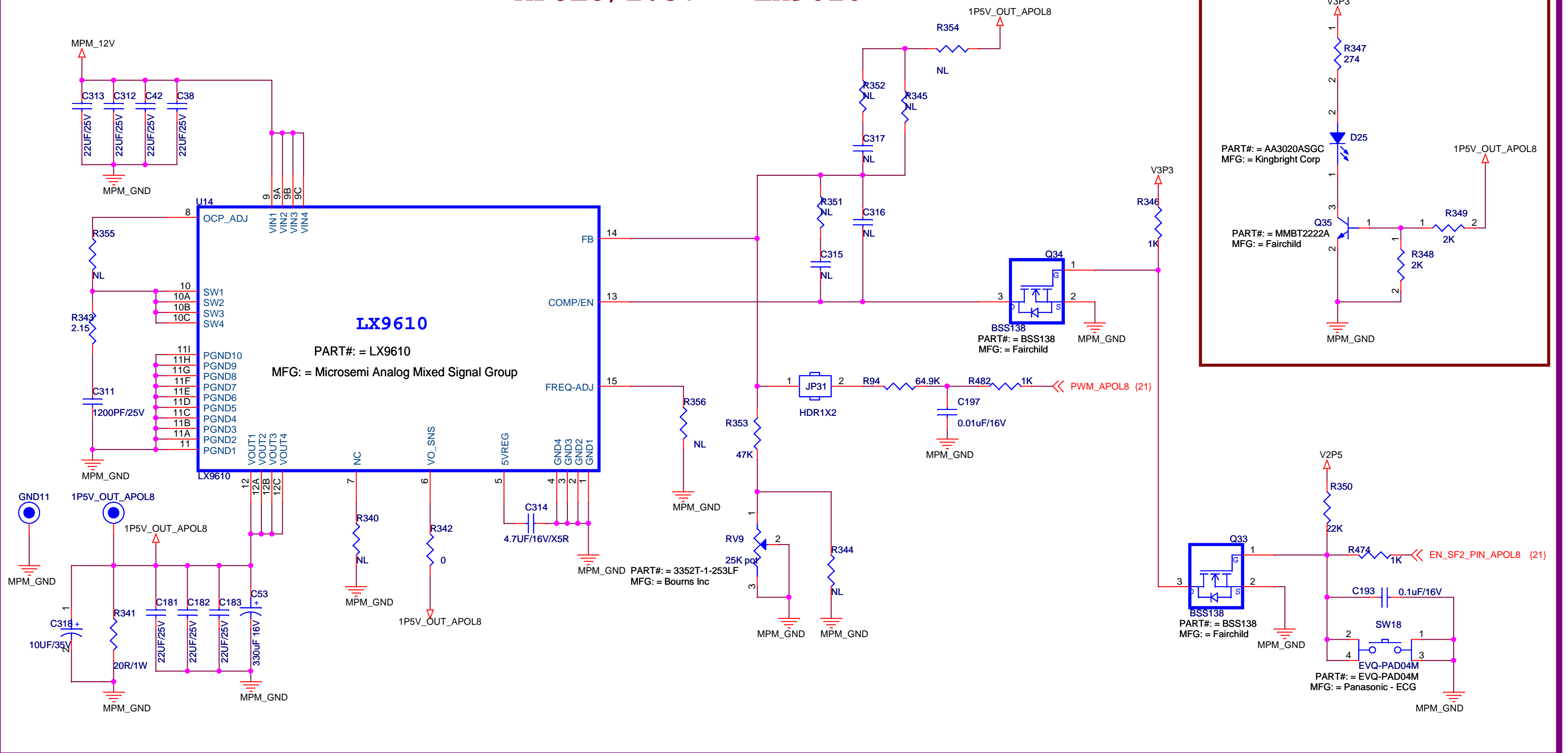


APOL7/1.5V - LX9610



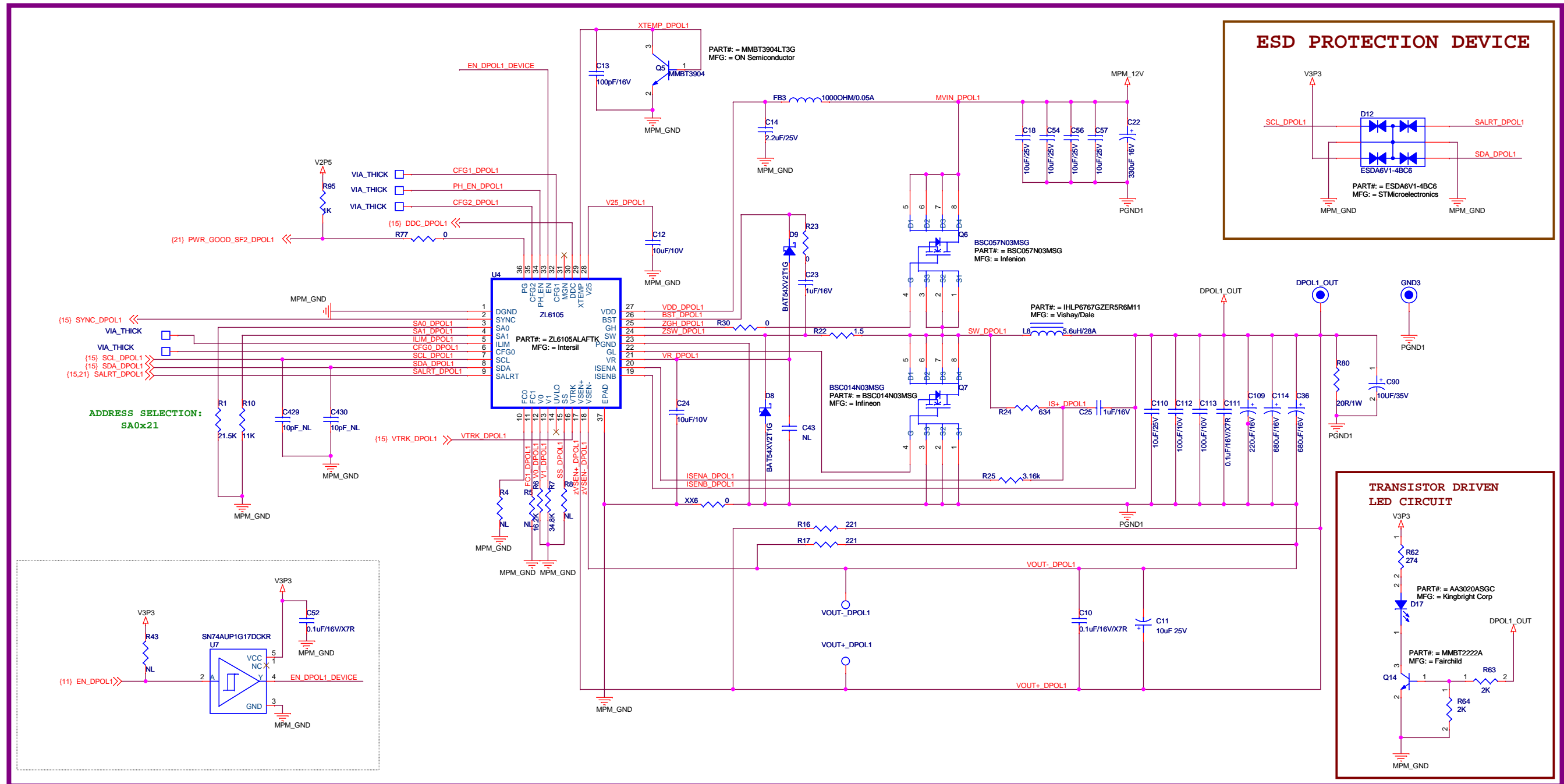
Microsemi			
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APOL8/1.5V - LX9610

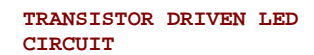


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SF2-DMPM-DB			
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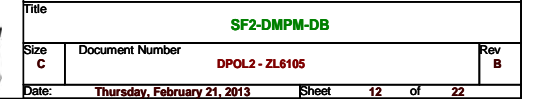
DPOL1 - ZL6105



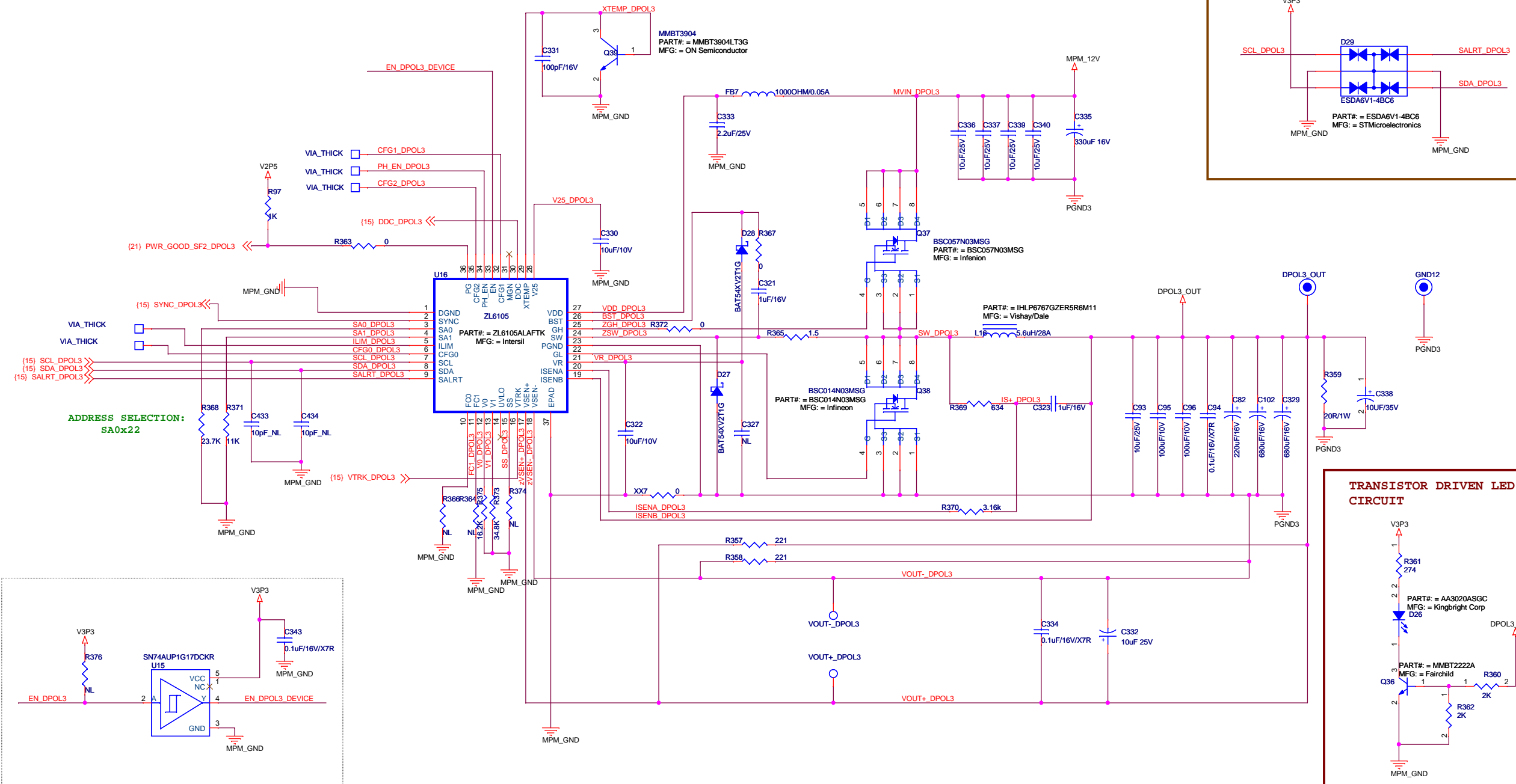
ESD PROTECTION DEVICE



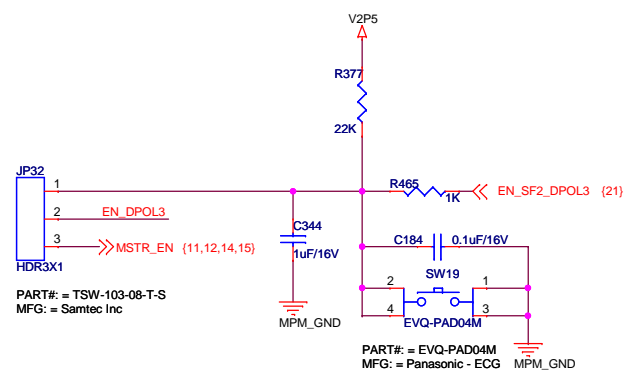
Microsemi



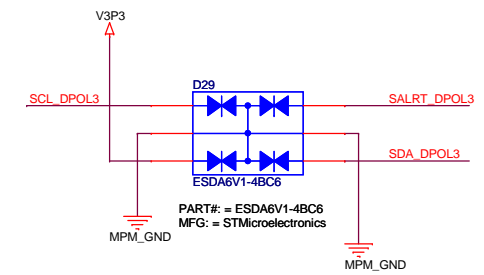
DPOL3 - ZL6105



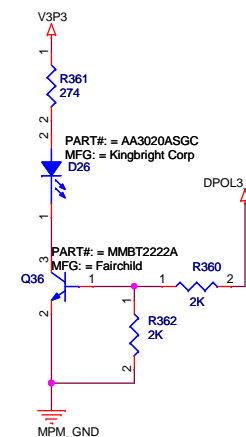
JUMPER OPTION FOR ENABLE SIGNAL



ESD PROTECTION DEVICE

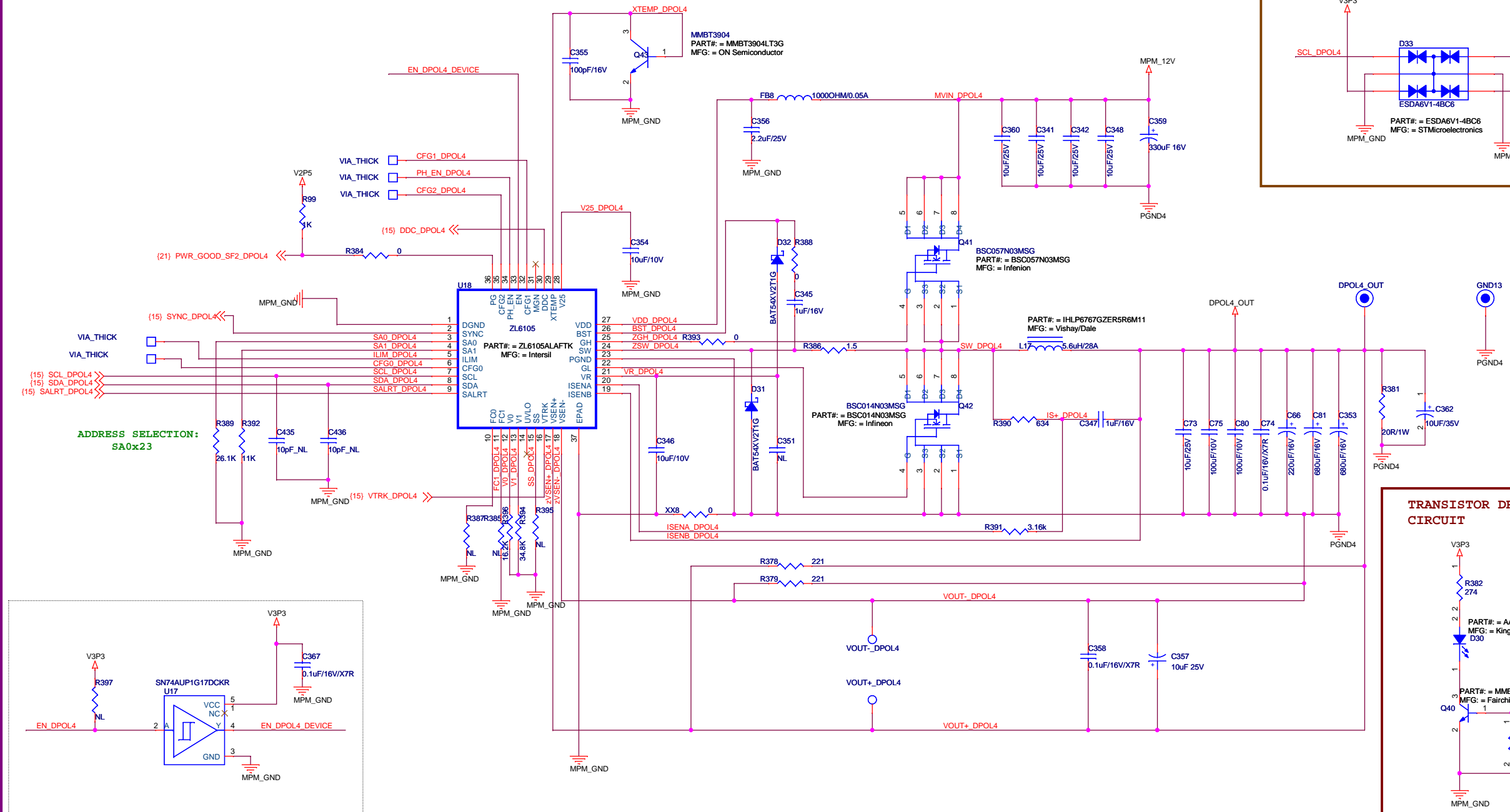
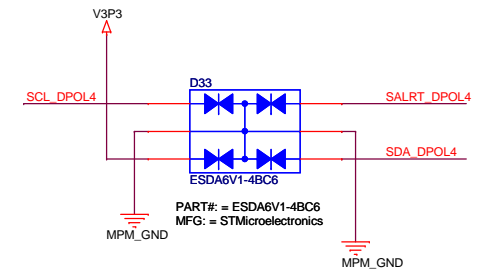


TRANSISTOR DRIVEN LED CIRCUIT

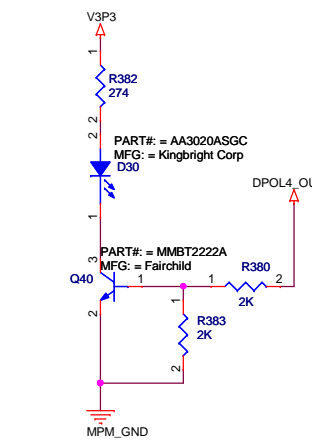


DPOL4 - ZL6105

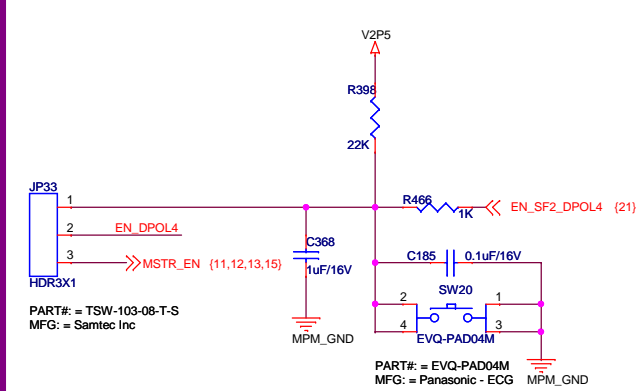
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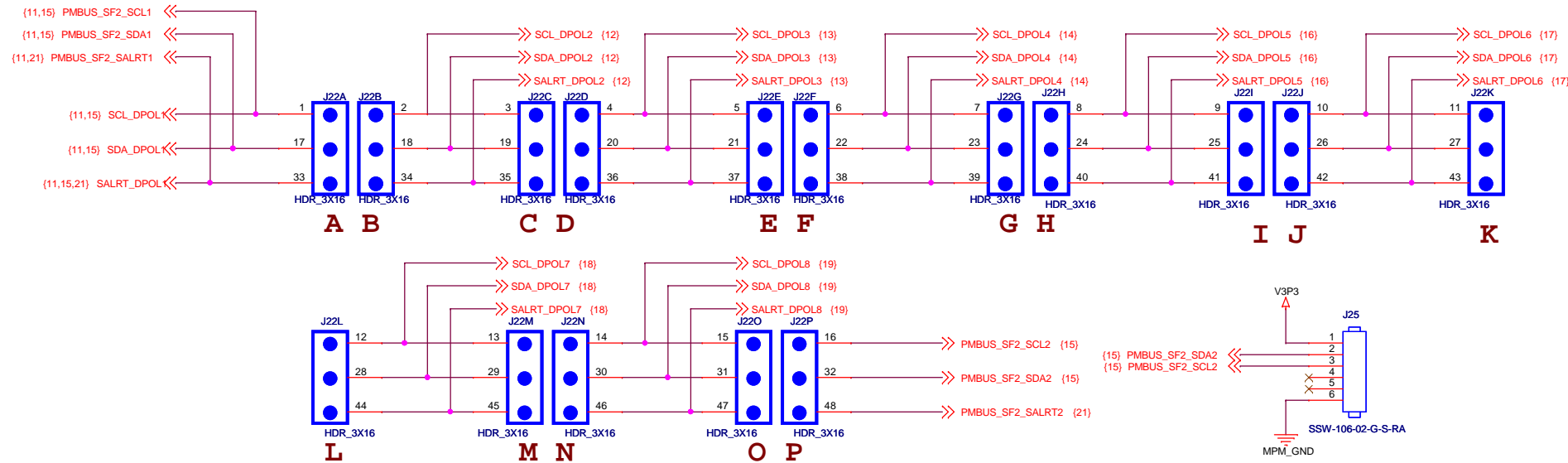
TRANSISTOR DRIVEN LED CIRCUIT



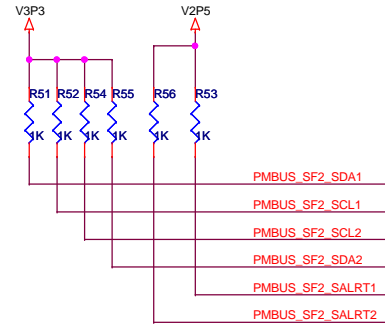
JUMPER OPTION FOR ENABLE SIGNAL



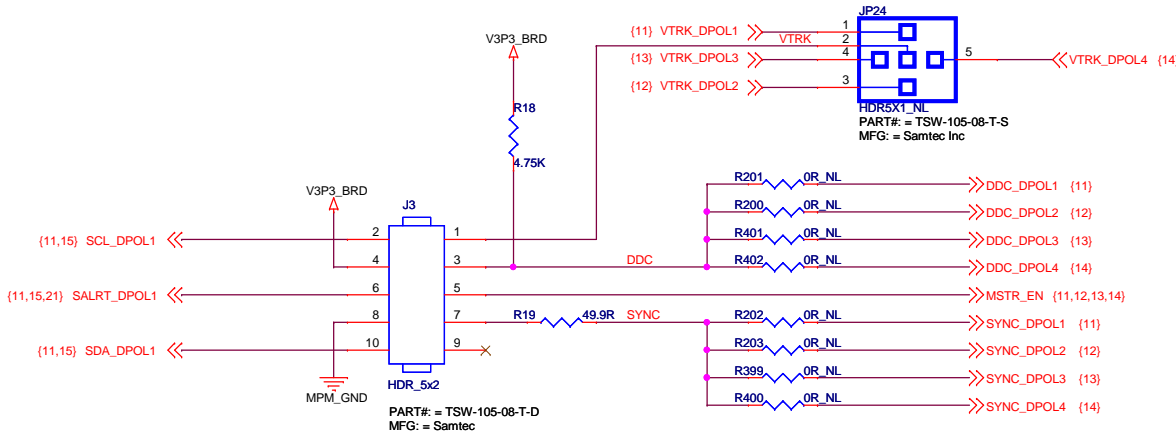
PMBUS SIGNAL JUMPERS



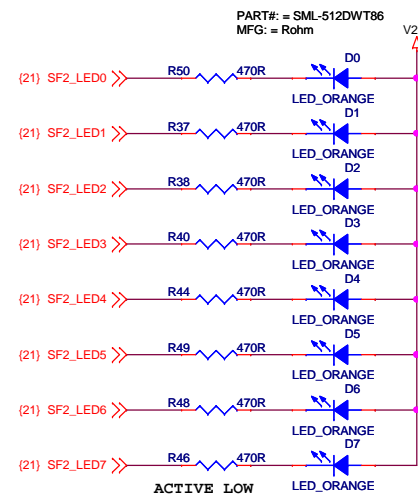
PMBUS PULLUP



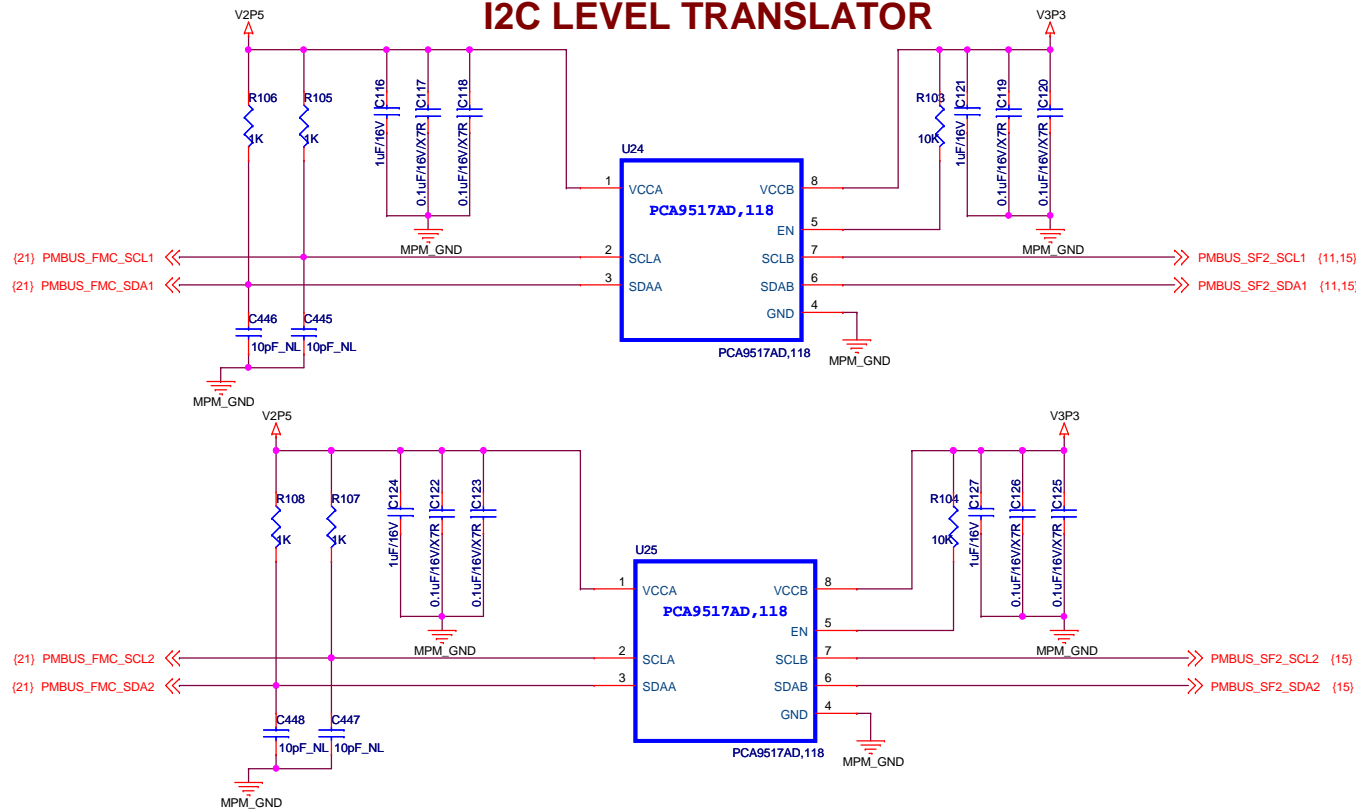
BOARD TO BOARD HEADER



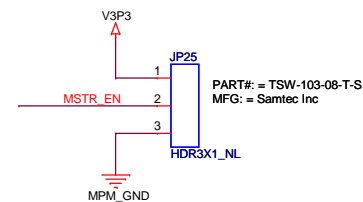
DEBUG LED



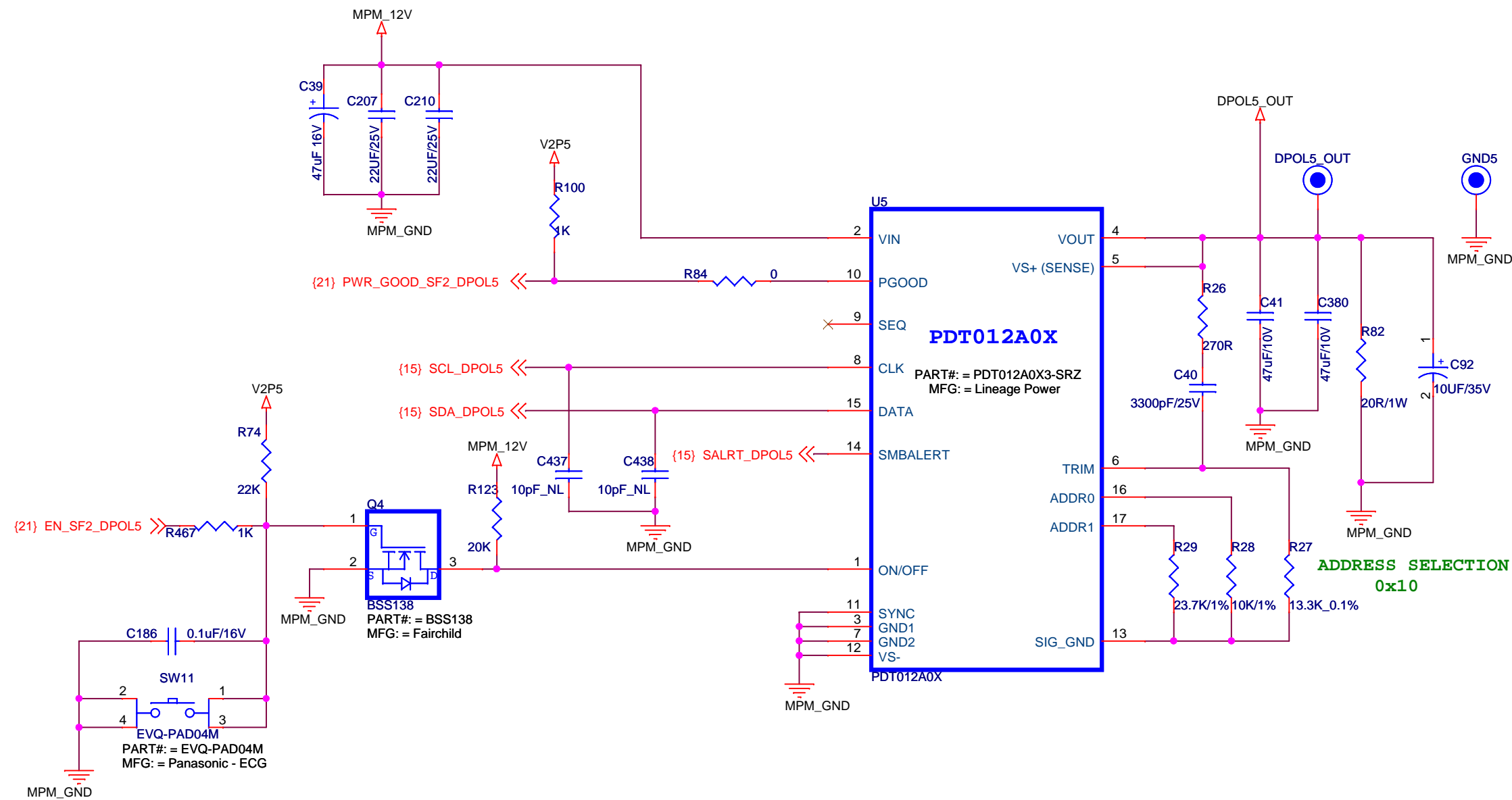
I2C LEVEL TRANSLATOR



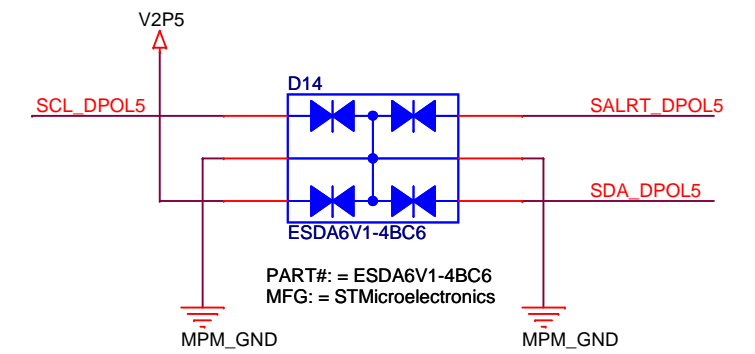
JUMPER FOR MASTER ENABLE



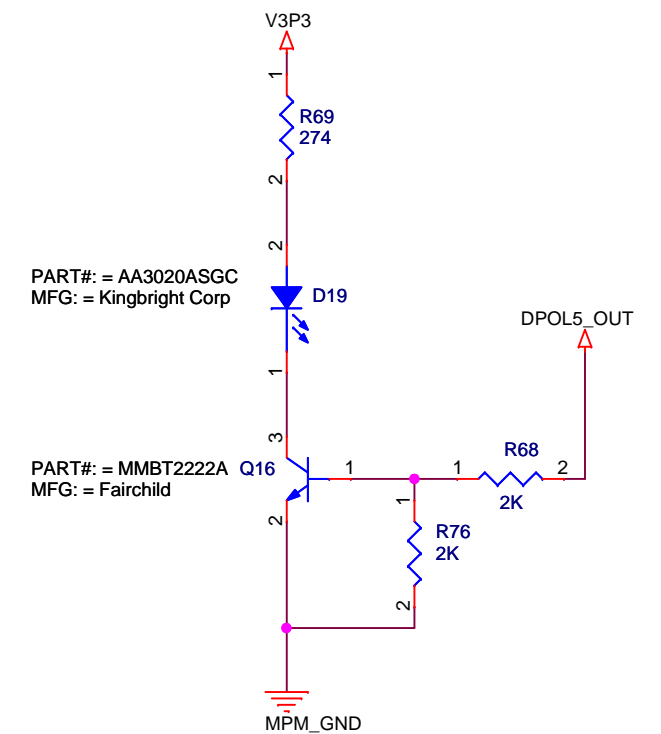
DPOL5 - PDT012A0X



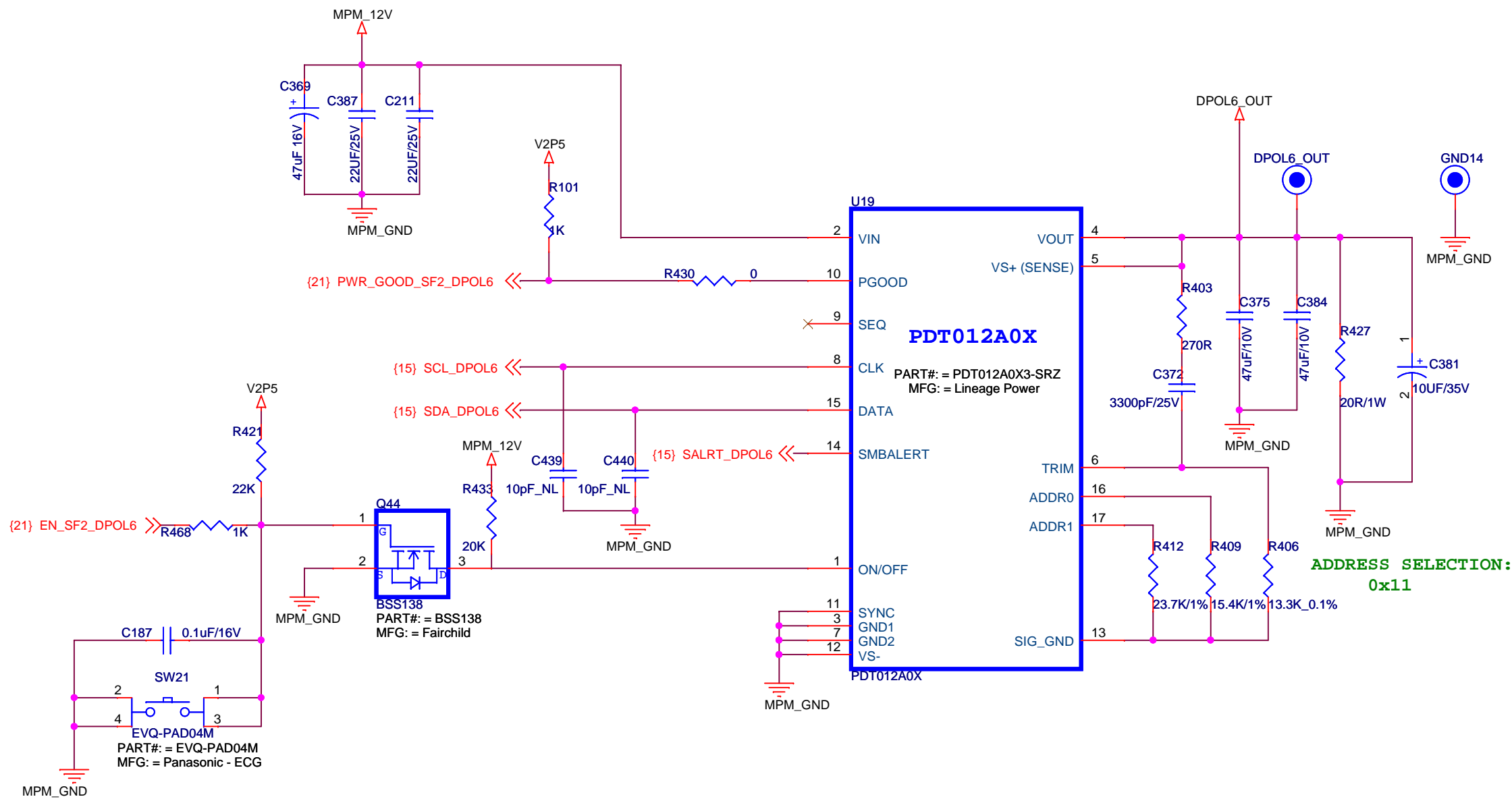
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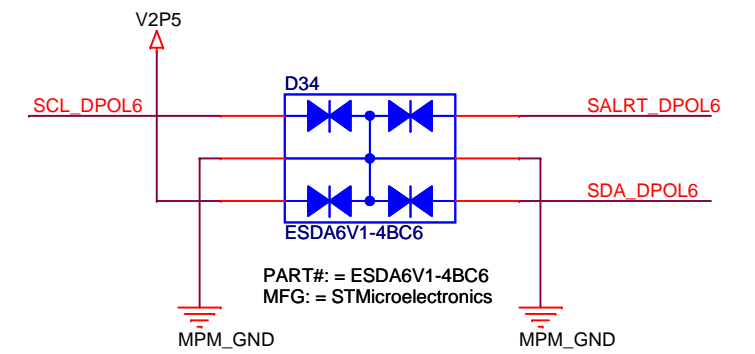
TRANSISTOR DRIVEN LED CIRCUIT



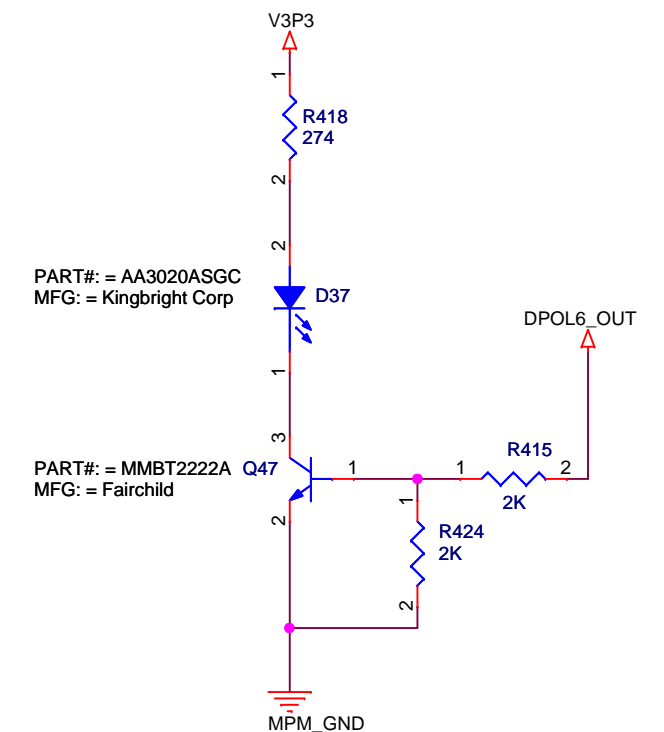
DPOL6 - PDT012A0X



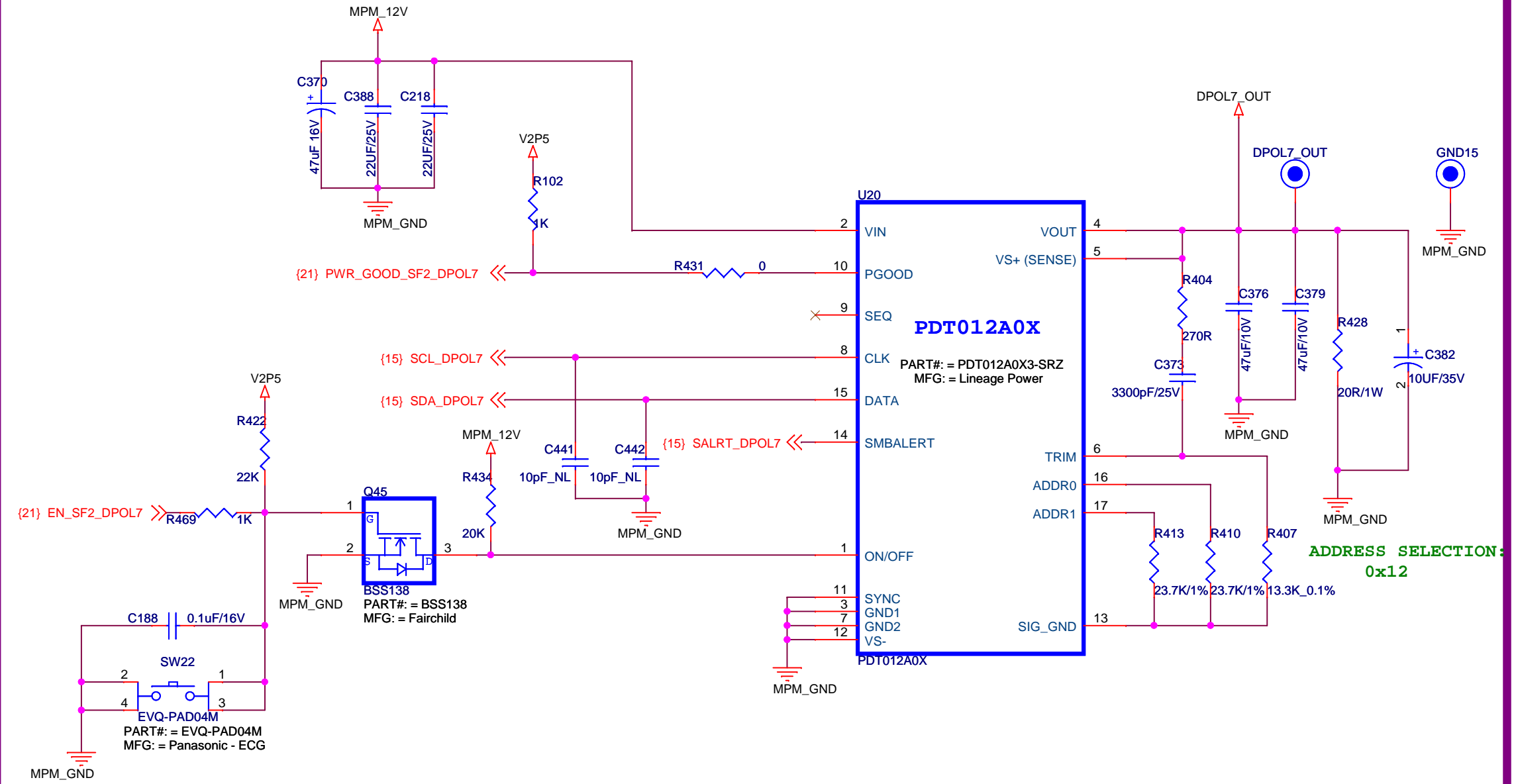
ESD PROTECTION DEVICE



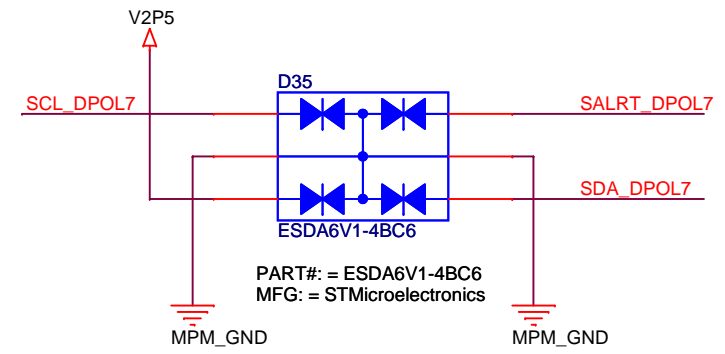
TRANSISTOR DRIVEN LED CIRCUIT



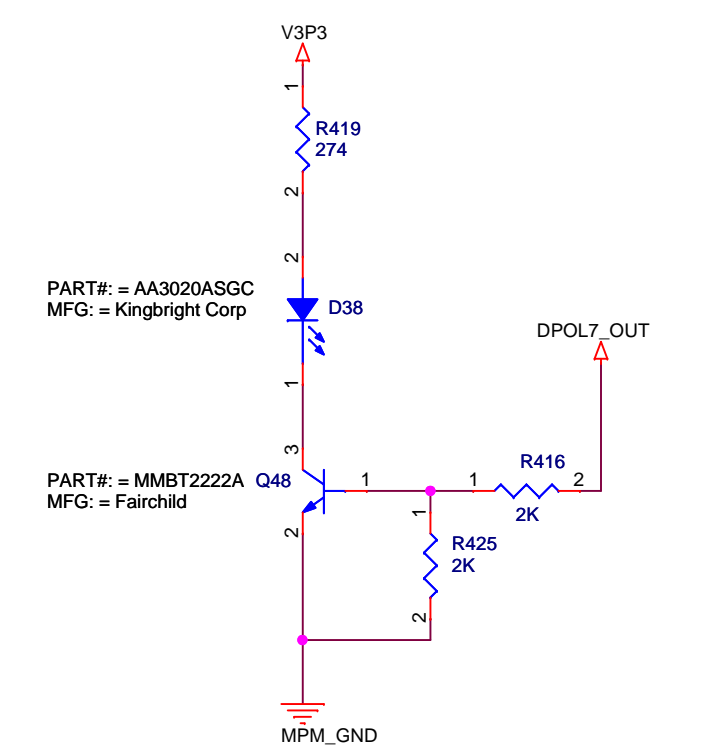
DPOL7 - PDT012A0X



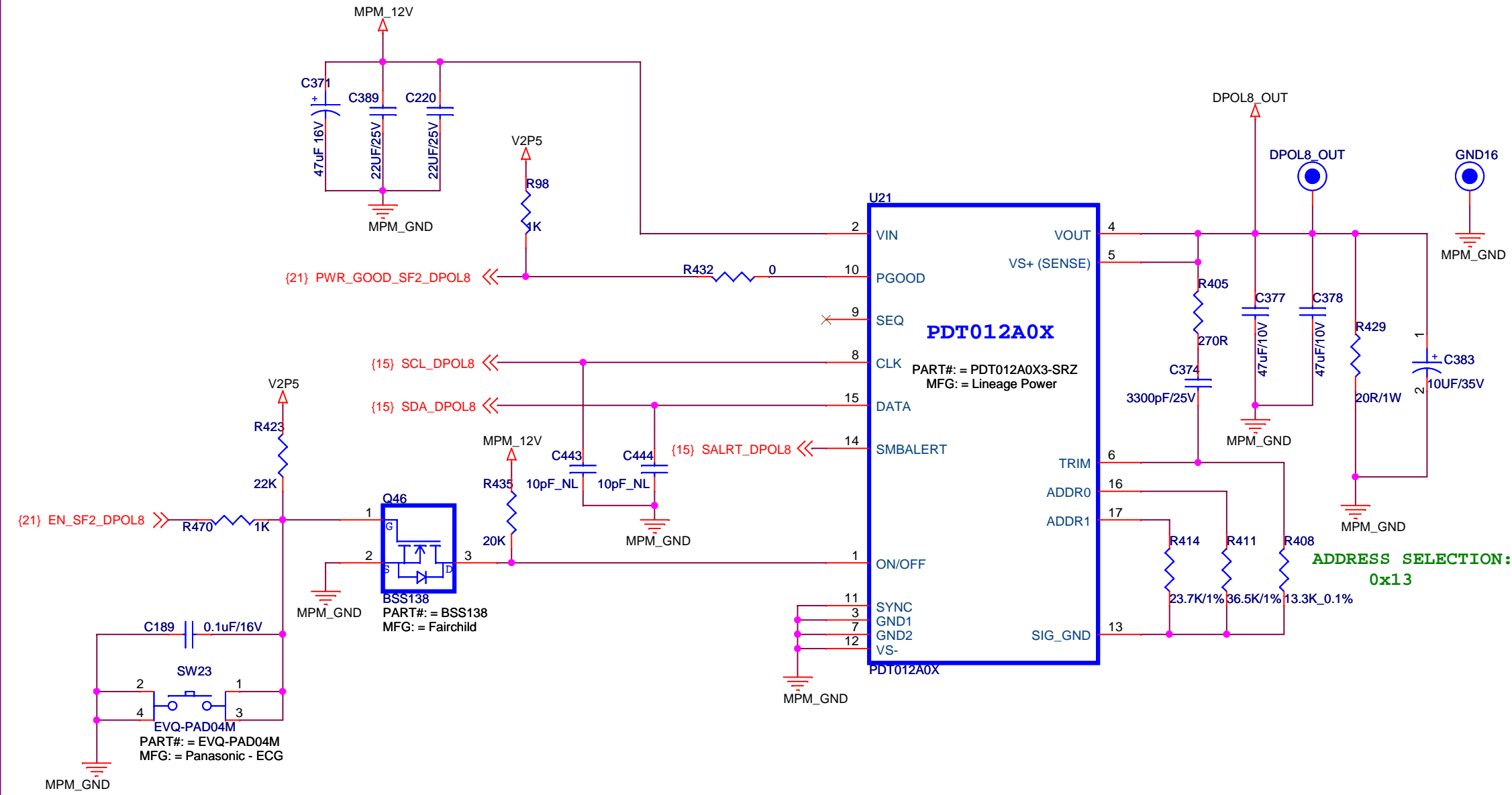
ESD PROTECTION DEVICE



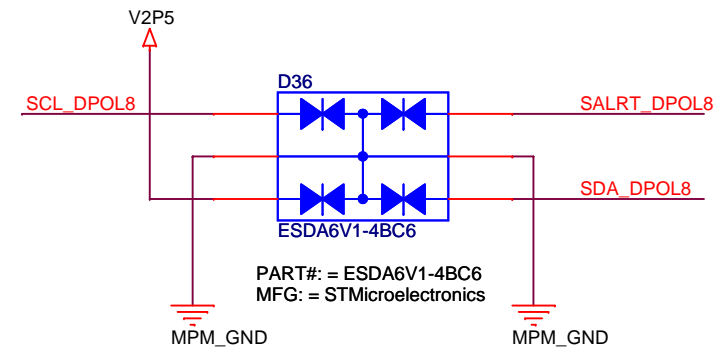
TRANSISTOR DRIVEN LED CIRCUIT



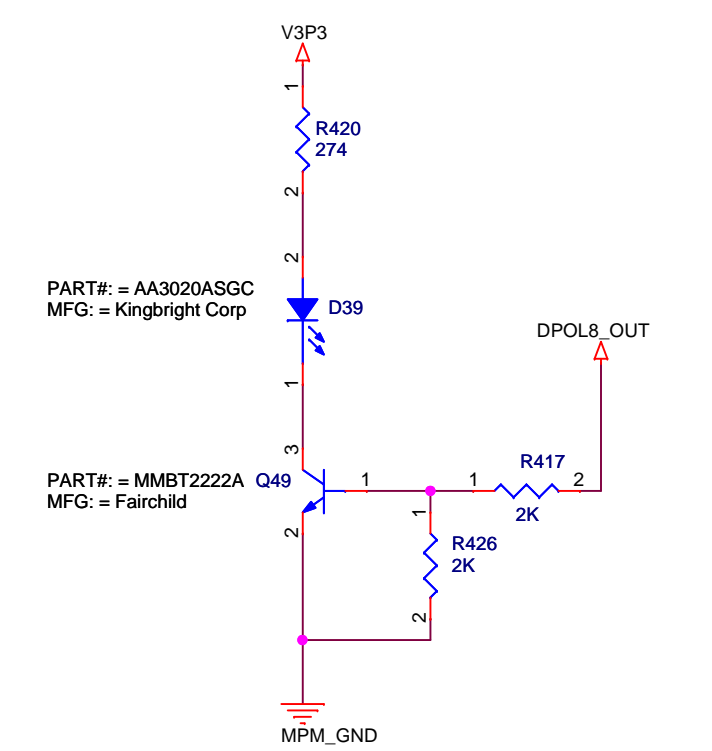
DPOL8 - PDT012A0X



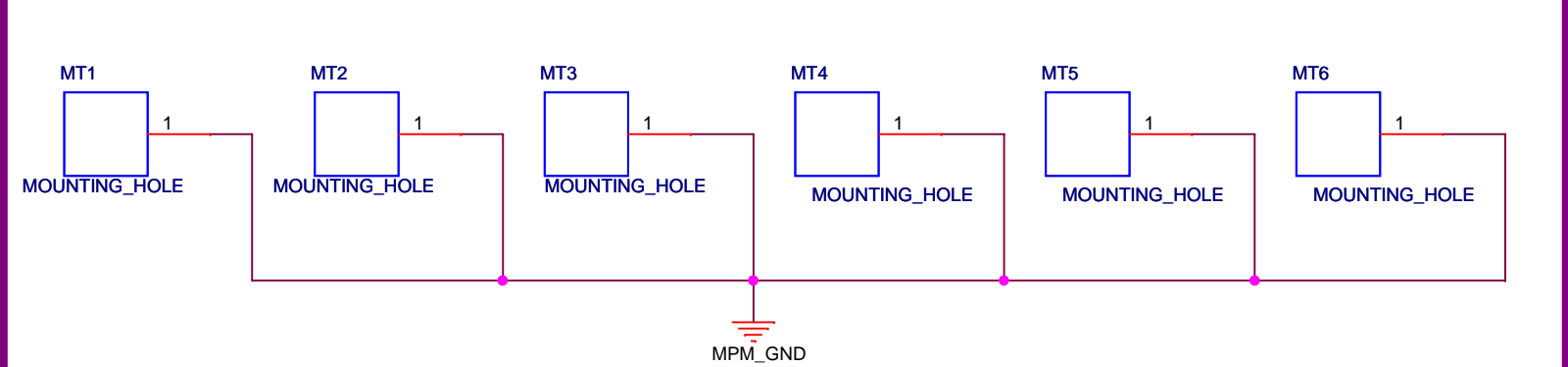
ESD PROTECTION DEVICE



TRANSISTOR DRIVEN LED CIRCUIT

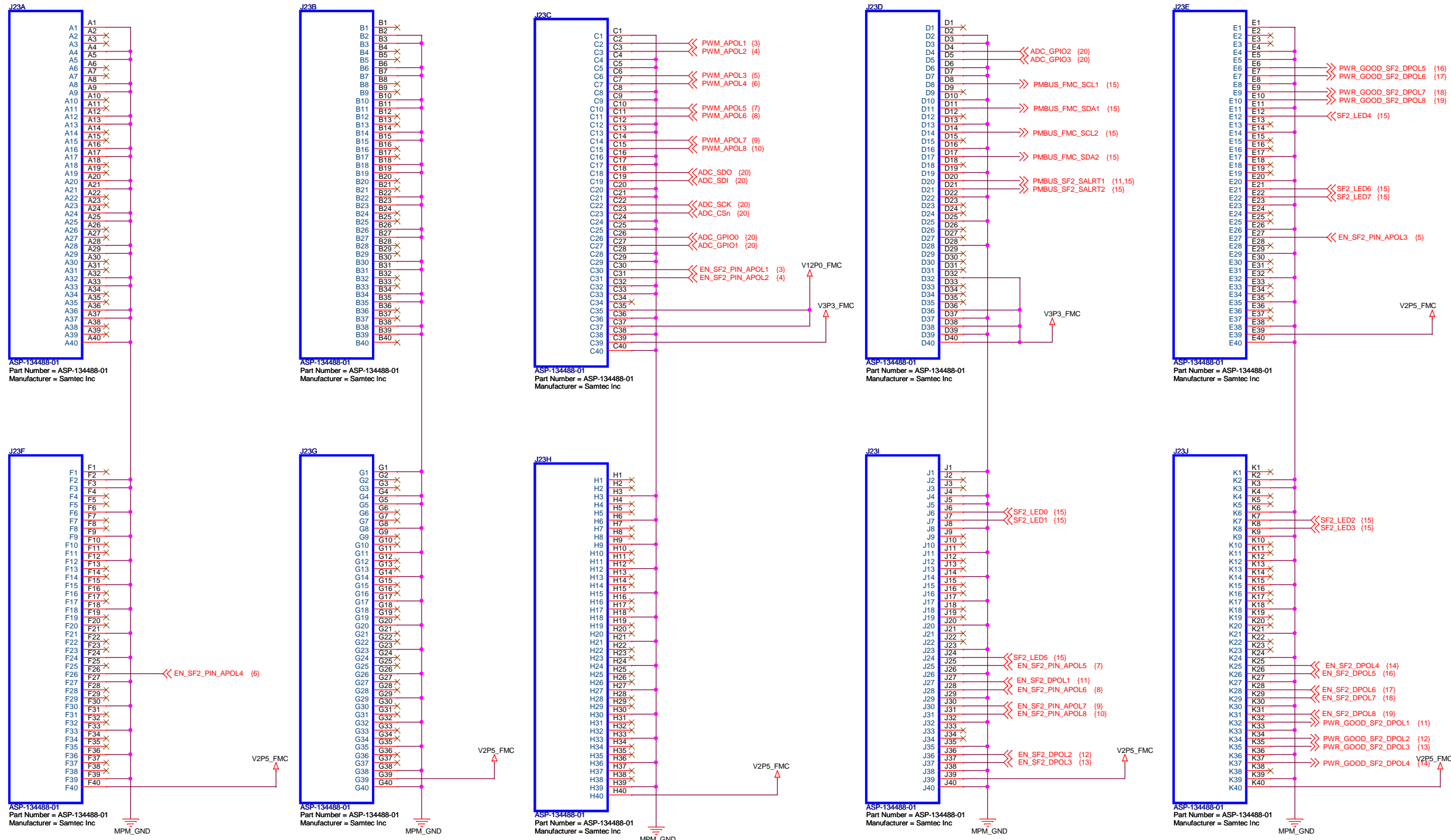


MOUNTING HOLES



Microsemi		
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FMC CONNECTOR



MATING CONNECTOR
PART NUMBER - ASP-134486-01
MANUFACTURER - SAMTEC INC



Microsemi			
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ERRATA

REVISION	DATE	CHANGES
A	11/28/12	Intial Release
B	02/13/13	1.The net SF2_LED5 moved from J23.E13 to J23.J24 2..The net EN_SF2_DPOL1 moved from J23.J34 to J23.J27 3.Value for the resistors R51 to R56, R95 to R102 and R105 to R108, updated as 1K 4.Resistors R54 and R55 made NL
	02/18/13	1. Added a new 6 pin receptacle J25. 2. Connected the net "PMBUS_SF2_SDA2" to pin 2 of J25. 3. Connected the net "PMBUS_SF2_SCL2" to pin 3 of J25. 4. R54 and R55 made populated.
	02/19/13	1. Updated J25 as Right angle receptacle. 2. Updated J3 as Vertical mount connector.
	02/21/13	1. Updated L9 and L17 to 5.6uH 2. Updated the footprint of resistors XX5, XX6, XX7 and XX8 to 0603.