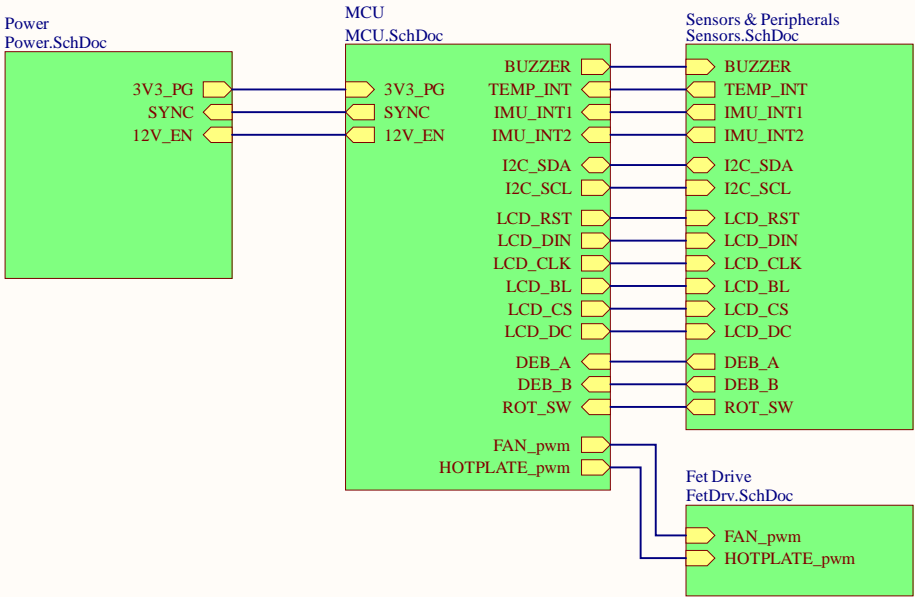


SMD Reflow Project



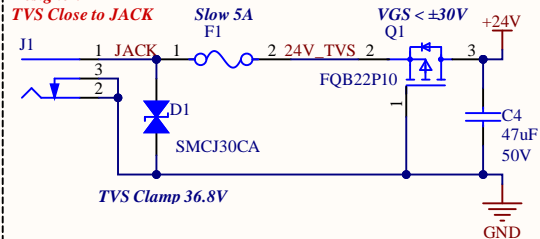
Title <i>SMD Reflow Hotplate: Main Schematic</i>		
Size A4	Number <i>1</i>	Revision <i>0</i>
Date:	6-16-2022	Sheet of
File:	E:\GitHub\...\Main.SchDoc	Drawn By: <i>Jesse Farrell</i>

Main Power

Reverse Protection

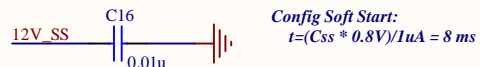
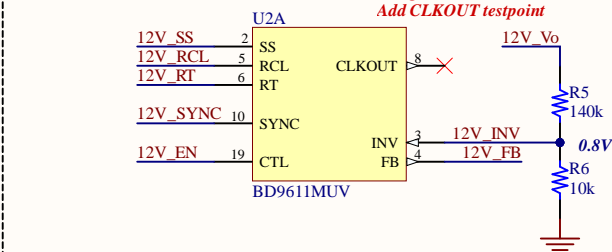
Designer:

TVS Close to JACK

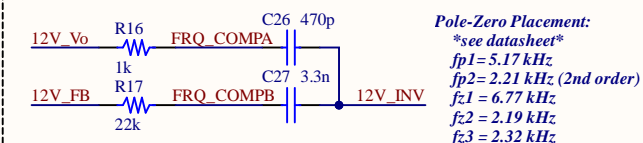


12V Buck Config

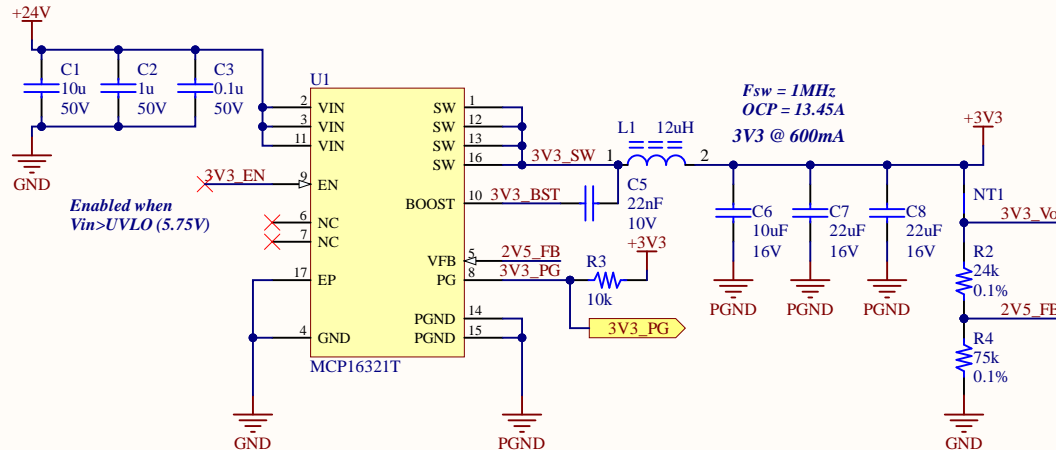
Designer:
Add CLKOUT testpoint



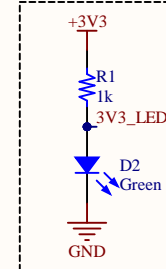
12V Buck Freq. Comp.



3V3 Buck

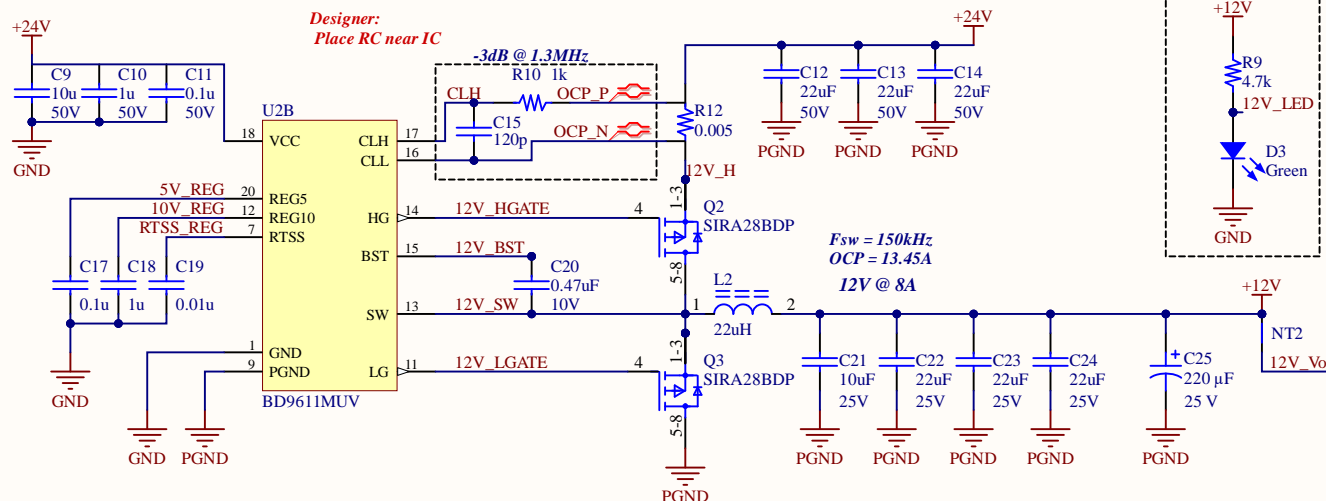


PG indicator

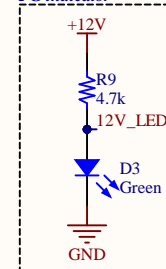


12V Buck

Designer:
Place RC near IC



PG indicator

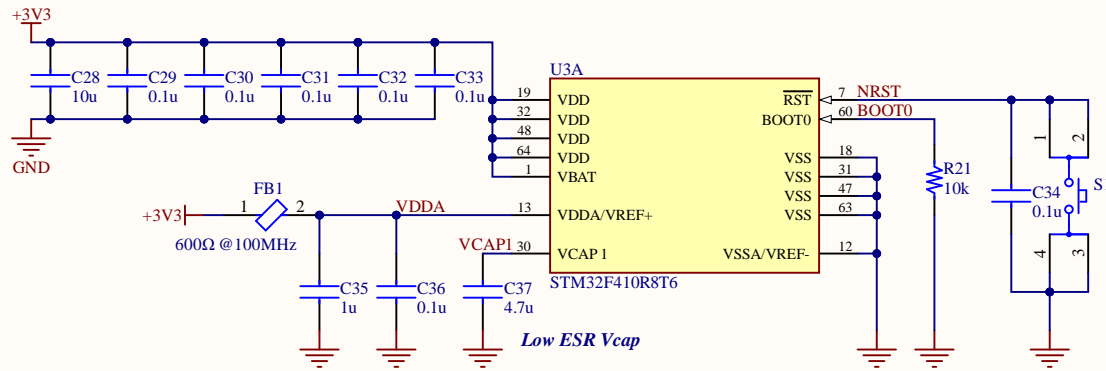


Title
SMD Reflow Hotplate: Power

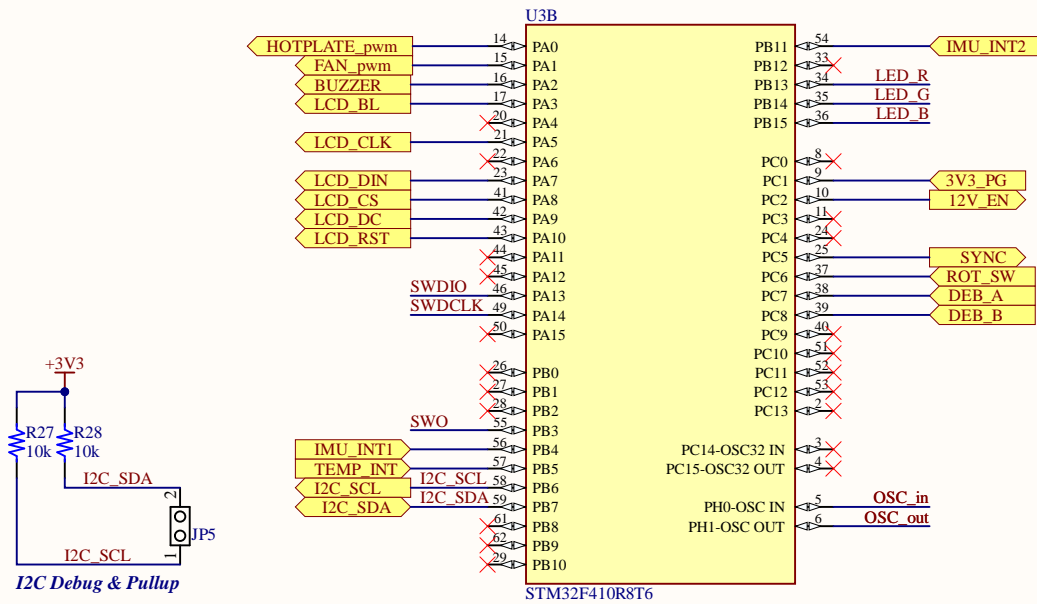
Size	Number	Revision
A4	1	0
Date:	6-16-2022	Sheet of
File:	E:\GitHub\...\Power.SchDoc	Drawn By: Jesse Farrell

Microcontroller

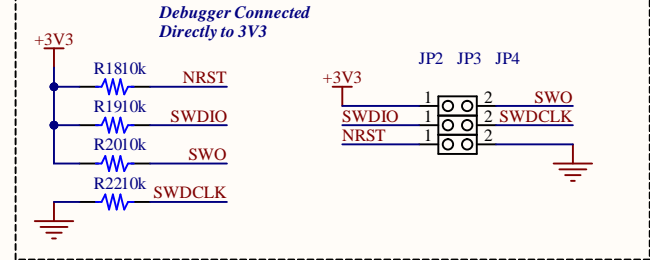
Decoupling & Config



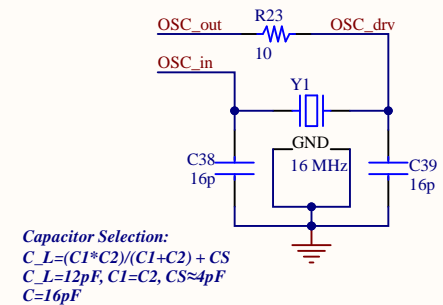
MCU I/O



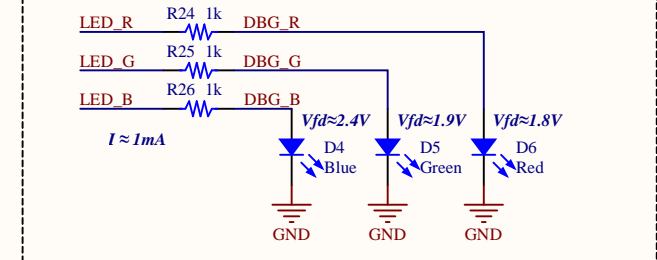
Debug Header



External Clock



Debug LEDs



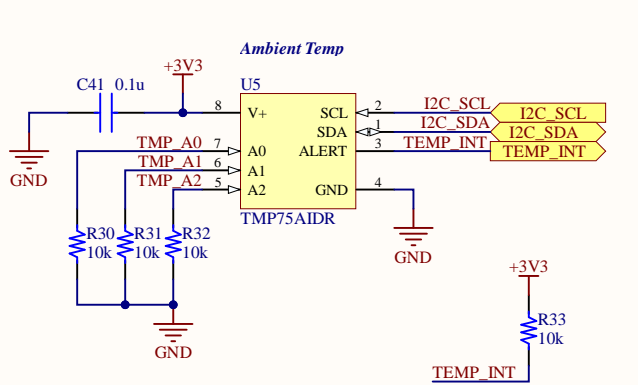
Title **SMD Reflow Hotplate: Microcontroller**

Size	Number	Revision
A4	1	0
Date:	6-16-2022	Sheet of
File:	E:\GitHub\...\MCU.SchDoc	Drawn By: Jesse Farrell

SENSORS & PERIPHERALS

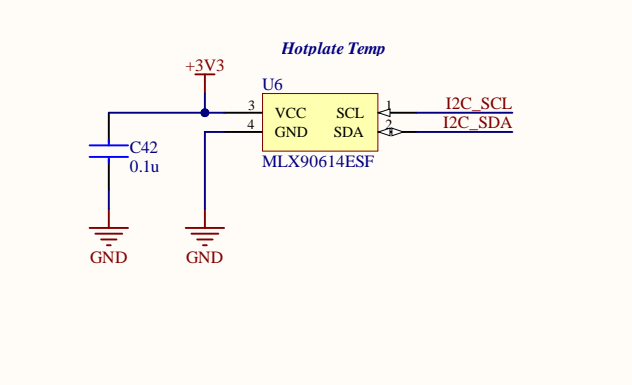
Temp Sense 1

Address: 0b1001000



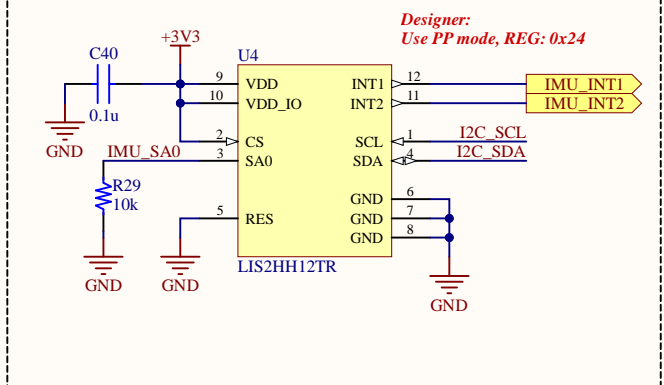
Temp Sense 2

Address: 0b01011011

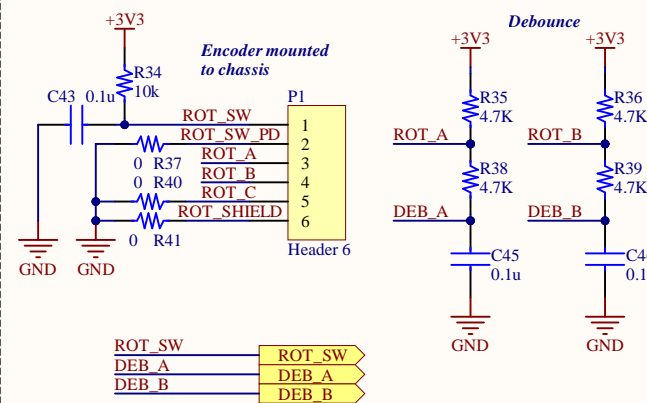


IMU

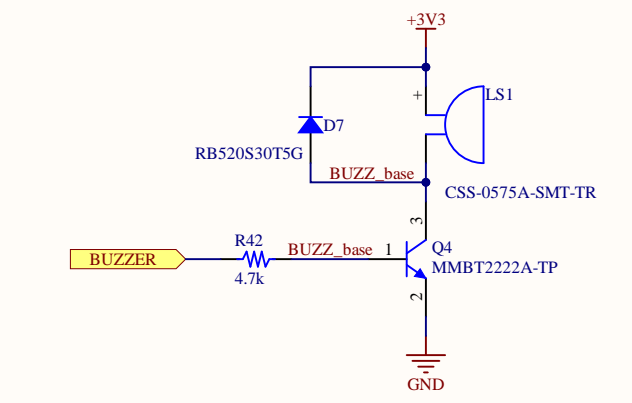
Address: 0b0011110



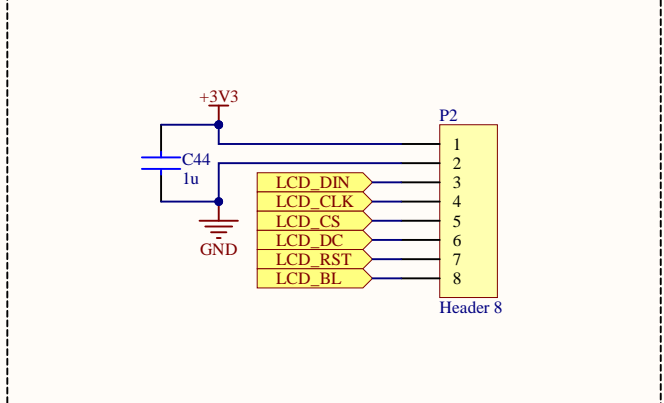
Rotary Encoder



Buzzer



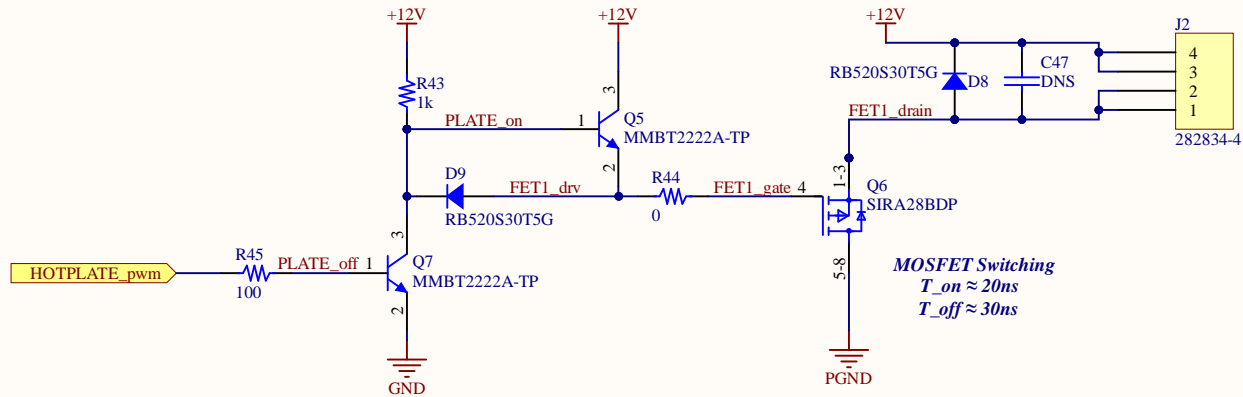
LCD I/O



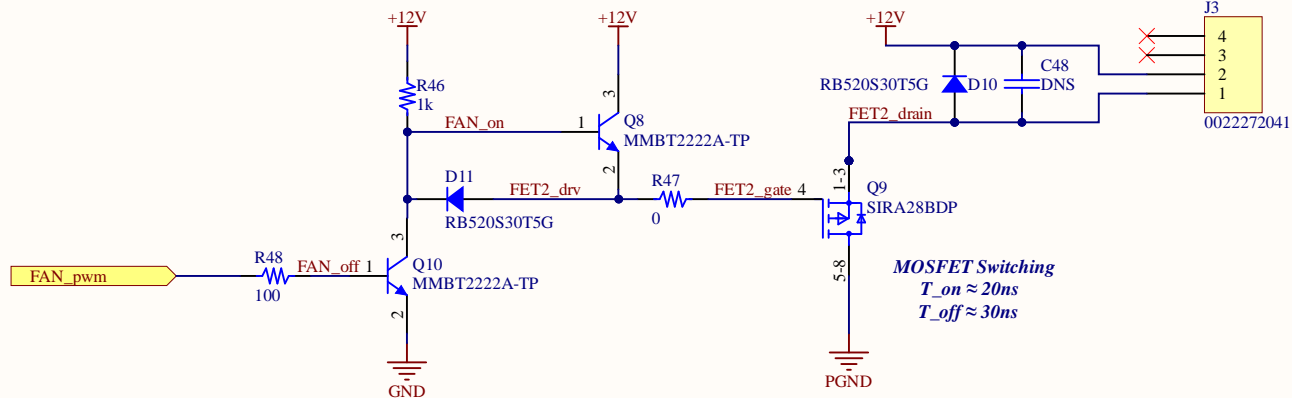
Title SMD Reflow Hotplate: Sensors and Peripherals		
Size A4	Number 1	Revision 0
Date: 6-16-2022	Sheet of	
File: E:\GitHub\...\Sensors.SchDoc	Drawn By: Jesse Farrell	

FET DRIVERS

Hot Plate FET



Case Fan FET



Title SMD Reflow Hotplate: Fet Drivers		
Size A4	Number 1	Revision 0
Date:	6-16-2022	Sheet of
File:	E:\GitHub\...\FetDrv.SchDoc	Drawn By: Jesse Farrell

Board Stack Report