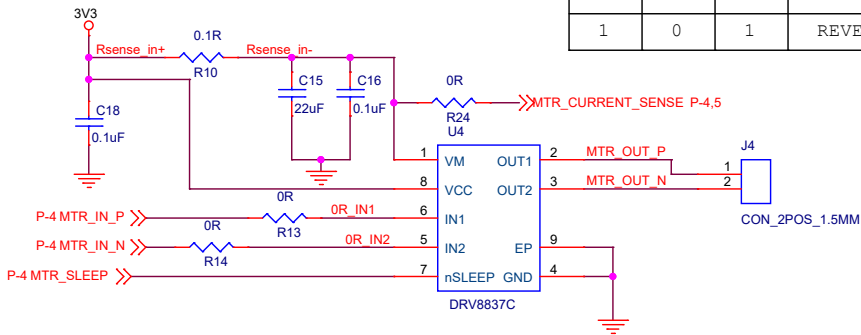


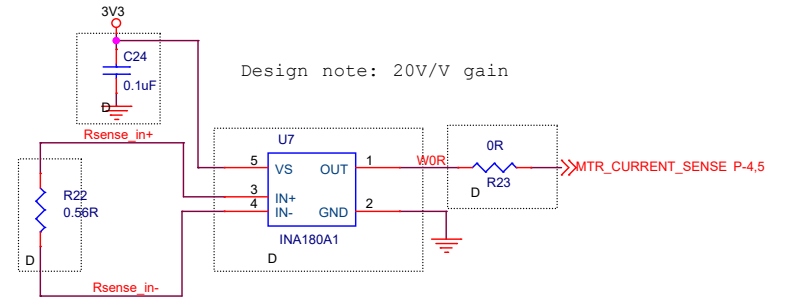
# MOTOR I/F

| nSLEEP | IN1 | IN2 | DIRECTION |
|--------|-----|-----|-----------|
| 1      | 1   | 0   | FORWARD   |
| 1      | 0   | 1   | REVERSE   |



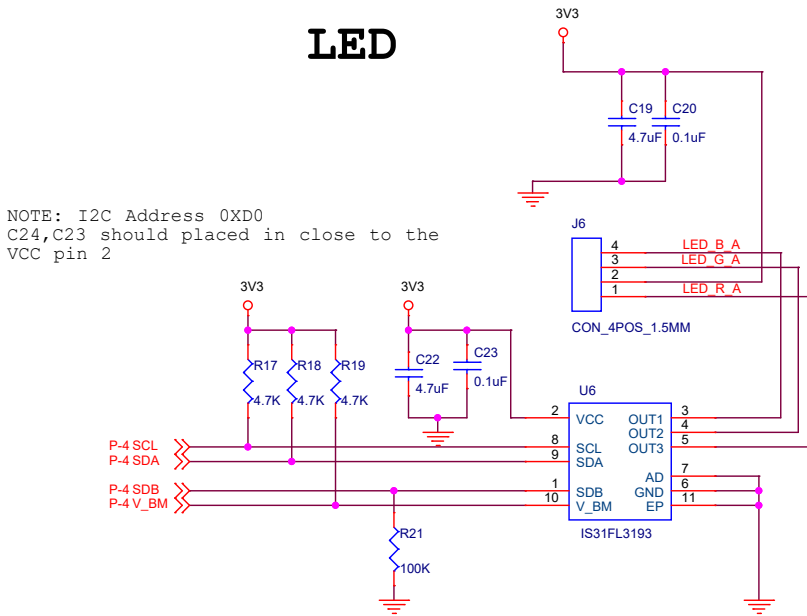
NOTE: 0.1uF should be placed as close to the VM and VCC pins as possible with a thick trace follow the reference layout

# CURRENT SENSOR



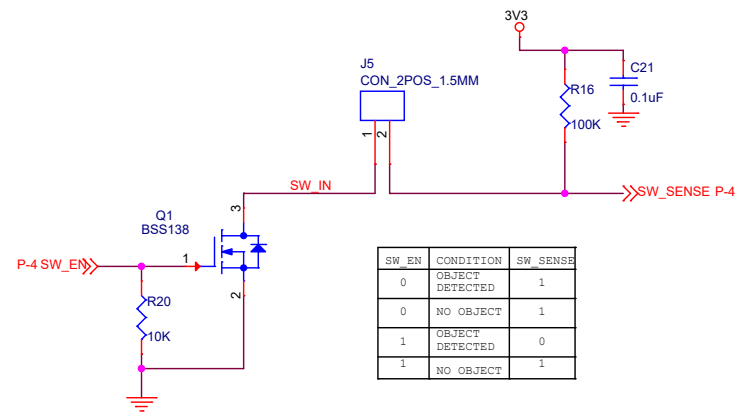
NOTE: 0.1uF should be placed as close to the VS pins as possible with a thick trace follow the reference layout

# LED

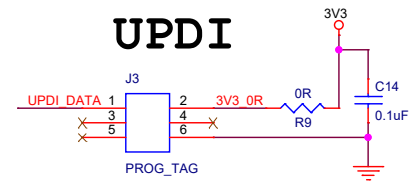
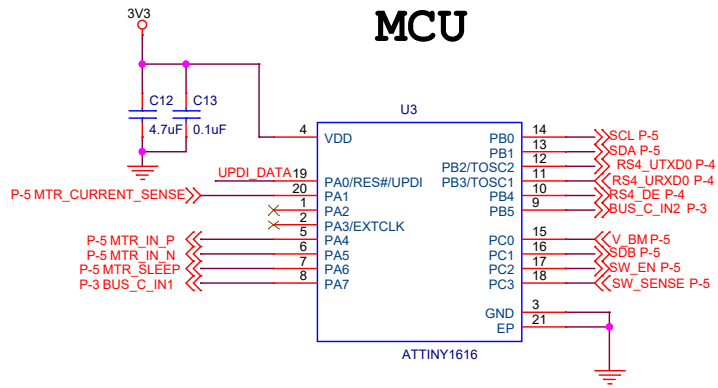


NOTE: I2C Address 0XD0  
C24, C23 should placed in close to the VCC pin 2

# DETECTING SWITCH



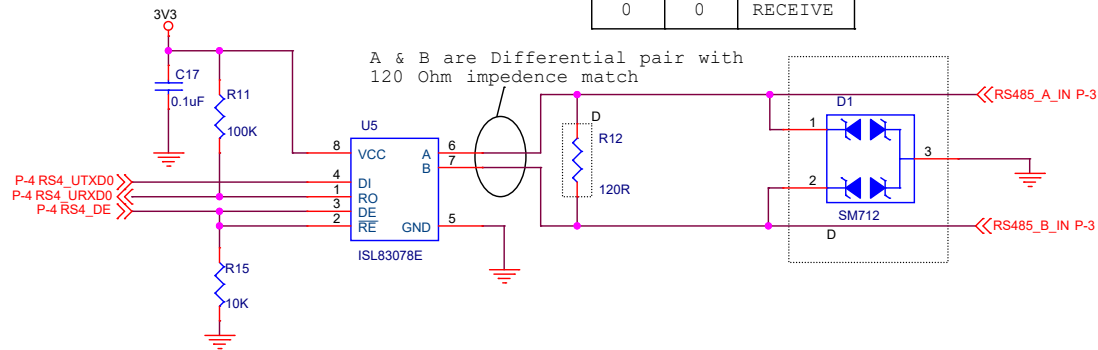
| SW_EN | CONDITION       | SW_SENSE |
|-------|-----------------|----------|
| 0     | OBJECT DETECTED | 1        |
| 0     | NO OBJECT       | 1        |
| 1     | OBJECT DETECTED | 0        |
| 1     | NO OBJECT       | 1        |



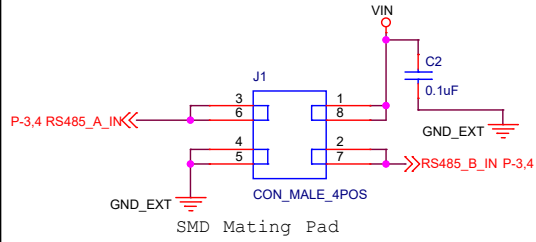
NOTE: MCU programming and debugging provision

## MCU\_TO\_RS485

| DE | nRE | MODE     |
|----|-----|----------|
| 1  | X   | TRANSMIT |
| 0  | 0   | RECEIVE  |

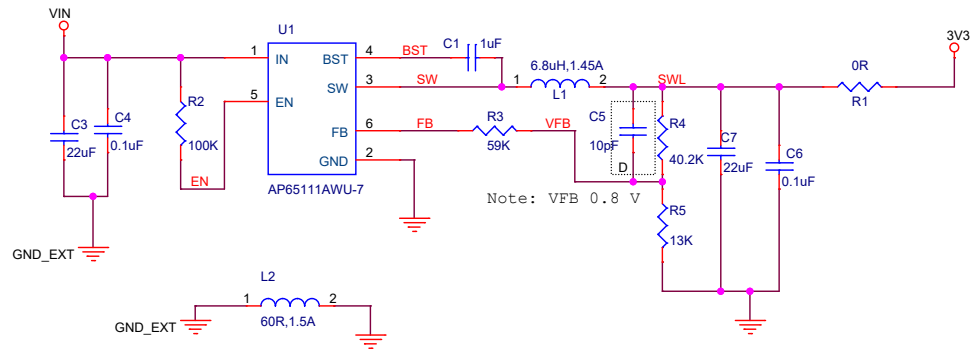


# RS485 IN CONN



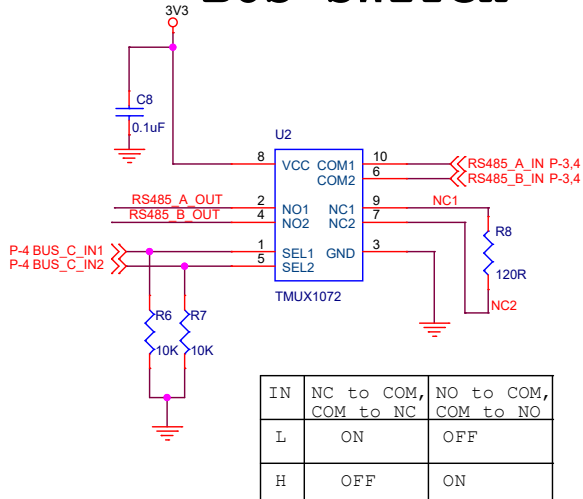
NOTE: This is for connecting another slot board.  
So VIN should be pass 5 AMPS  
RS485A,B should be differential and  
120 ohm impedance match

# 3V3 POWER SUPPLY @3.3V 1500mA



NOTE:  
Place each 0.1uF closer to VIN & SW  
The feedback resistors should be located as close as possible  
to the FB pin with vias tied straight to the ground plane.

# BUS SWITCH



# RS485 OUT CONN



NOTE: This is for connecting another slot board. So VIN should be pass 5 AMPS

