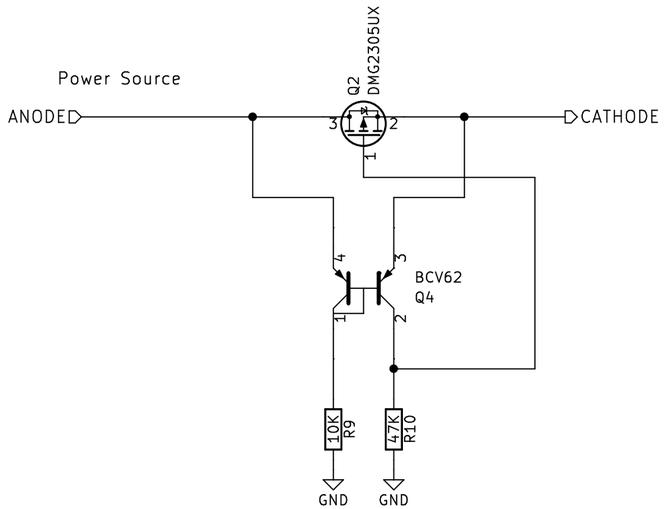
Alternative Isolated Supply Parts:
CUI: PDQ30-Q24-S5-D DigiKey: 102-3892-ND 5V @ 6 Amps $34.98
GE: EHHD015A0A DigiKey: 555-1266-ND 5V @ 15 Amps $29.77
GE: SHHD003A0A DigiKey 555-1312-ND 5V @ 3Amps $18.73

Power Input
Isolated +5V @ 6 Amps
PDQ30-Q24-S5-D
U1
U2 PowerBoost 1000
Sheet: IDEAL_DIODE_2
Sheet: IDEAL_DIODE_1
File: IDEAL_DIODE.sch
U4
MAX488
RJ12 J1
U7 LT1129CST-3.3
PCBFootprints:SOT-223
Supply_monitor
enable_battery
ADAFRUIT_TXB0104
BI-DIRECTIONAL LOGIC
LEVEL SHIFTER
U6 PSOC_5LP
SPI INTERFACE
SCLK,MISO, MOSI, RESET
4 - CHIP SELECTS
OR 8 GPIO
OR 4 INCREMENTAL ENCODERS
I2C INTERFACE
OR 3 GPIO
RASPBERRY PI CONNECTION
SLUSH ENGINE CONNECTOR
Raspberry_Pi_+_Conn

Sheet: /	
File: RPiMibRev3.sch	
Title: RPiMIB Rev.3 Schematic	
Size: B	Date: 10/22/18
KiCad E.D.A. kicad (5.0.0)	**Rev:** 3
	Id: 1/3



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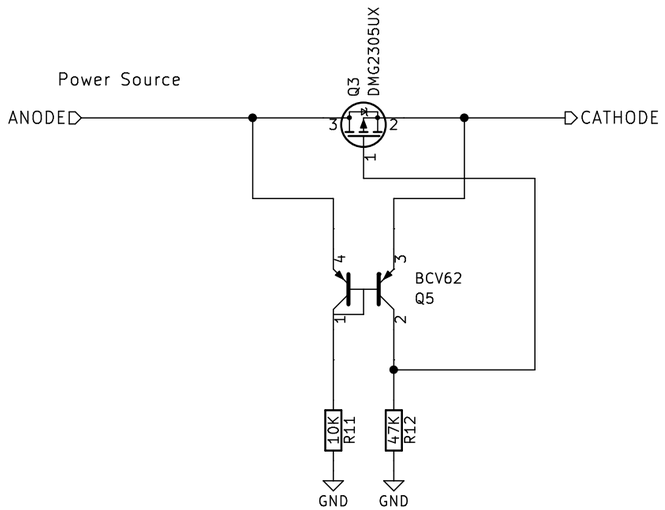

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Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.0.0)		Id: 3/3