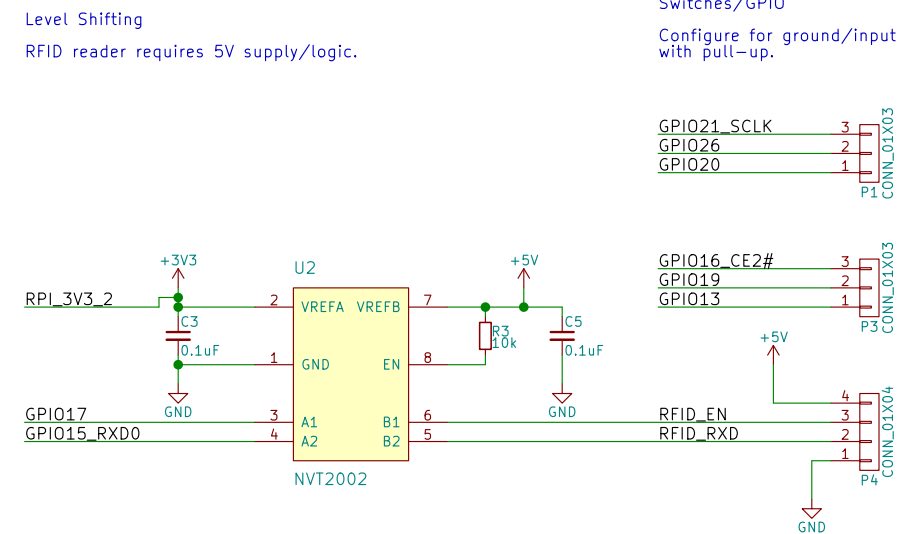
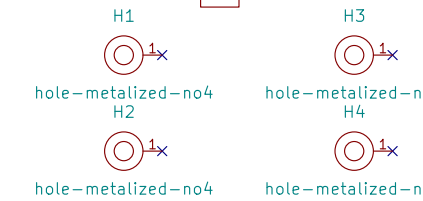


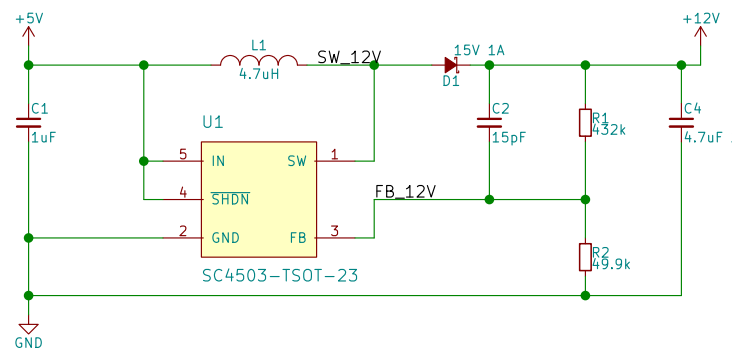
# Raspberry Pi Header

TH Female Bottom or SMT Female Top Header  
SMT: Toby Electronics REF-182665-01/REF-182665-03  
TH: Digikey 1528-1385-ND  
Pin #s Match RPi. nostuff

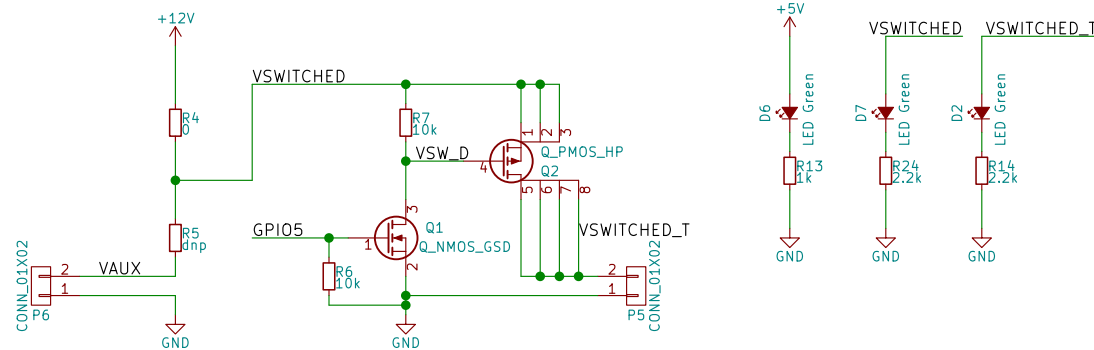
RPI_3V3_1	1	P2	2	RPI_VBUS
GPI01_SDA1	3		4	RPI_VBUS
GPI03_SCL1	5		6	GND
GPI04	7		8	GPI014_TXD0
GND	9		10	GPI015_RXD0
GPI017	11		12	GPI018
GPI027	13		14	GND
GPI022	15		16	GPI023
RPI_3V3_2	17		18	GPI024
GPI010_MOSI	19		20	GND
GPI09_MISO	21		22	GPI025
GPI011_SCLK	23		24	GPI08_CE0#
GND	25		26	GPI07_CE1#
GPI00_ID_SD	27		28	GPI01_ID_SC
GPI05	29		30	GND
GPI06	31		32	GPI012
GPI013	33		34	GND
GPI019	35		36	GPI016_CE2#
GPI026	37		38	GPI020_MOSI
GND	39		40	GPI021_SCLK



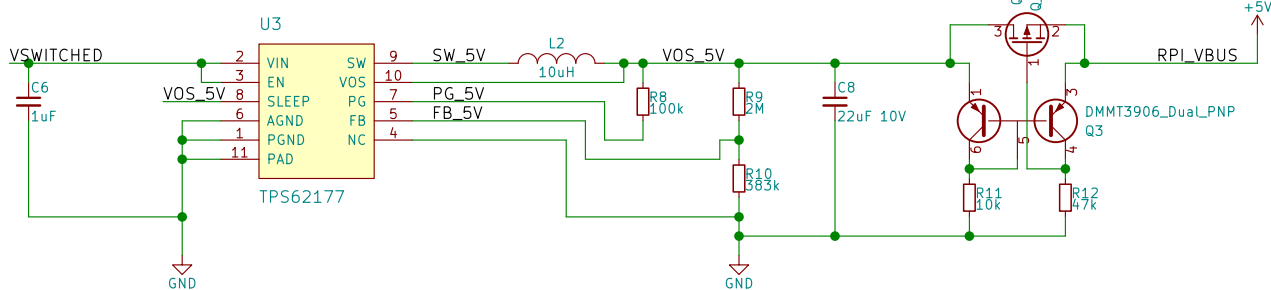
12V Boost  
12V/500mA from 5V source for high voltage IO.  
Should not be used if 5V buck is also stuffed.



12-24V Control  
High-power switch for 12-24V/6A.  
Can source power from 12V boost or VAUX.



5V Buck Regulator  
5V/500mA from 12-24V source for high voltage IO.  
Should only be used with the VAUX input.



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Author: Ian Hartwig

Sheet: /  
File: amtdoor3.sch

**Title: AMT Door 3 - RPi Zero IO**

Size: A3 Date: 2016-10-16  
KiCad E.D.A. kicad 4.0.2-stable

Rev: 1.0  
Id: 1/1