R2
1K

U1
MOC3063M

J6

RPi 4 GPIOs

QR 3.3V
Door open

J7
Conn_01x04_Pin

R1
330R

Screw_Terminal_01x02

Door GND

QR GND
QR RX
QR TX

GND (BL)
RXD (GN)
TXD (YE)
VCC (RT)

to Door Opener Switch

Q1
BT138-600

R3
1K

J8
Screw_Terminal_01x04

J?

Raspberry Pi 4 B J8 GPIO Header

Pin#	NAME			NAME	Pin#
01	3.3v DC Power			DC Power 5v	02
03	GPIO2 (SDA1, I²C)			DC Power 5v	04
05	GPIO3 (SCL1, I²C)			Ground	06
07	GPIO4 (GPCLK0)			(TXD0, UART) GPIO14	08
09	Ground			(RXD0, UART) GPIO15	10
11	GPIO17			(PWM0) GPIO18	12
13	GPIO27			Ground	14
15	GPIO22			GPIO23	16
17	3.3v DC Power			GPIO24	18
19	GPIO10 (SPI0_MOSI)			Ground	20
21	GPIO9 (SPI0_MISO)			GPIO25	22
23	GPIO11 (SPI0_CLK)			(SPI0_CE0_N) GPIO8	24
25	Ground			(SPI0_CE1_N) GPIO7	26
27	GPIO0 (SDA0, I²C)			(SCL0, I²C) GPIO1	28
29	GPIO5			Ground	30
31	GPIO6			(PWM0) GPIO12	32
33	GPIO13 (PWM1)			Ground	34
35	GPIO19			GPIO16	36
37	GPIO26			GPIO20	38
39	Ground			GPIO21	40

Raspberry Pi 4 B J14 PoE Header

01	TR01			TR00	02
03	TR03			TR02	04

Pinout Grouping Legend

Inter-Integrated Circuit Serial Bus
Ungrouped/Un-Allocated GPIO
Reserved for EEPROM
Serial Peripheral Interface Bus
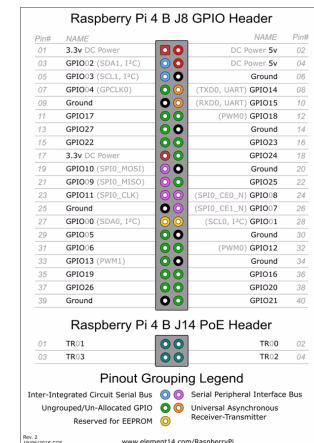Universal Asynchronous Receiver-Transmitter

Rev. 2
19/06/2019 CGS
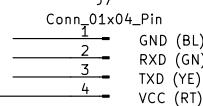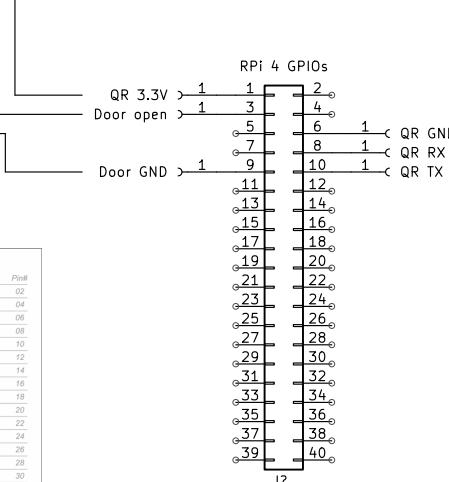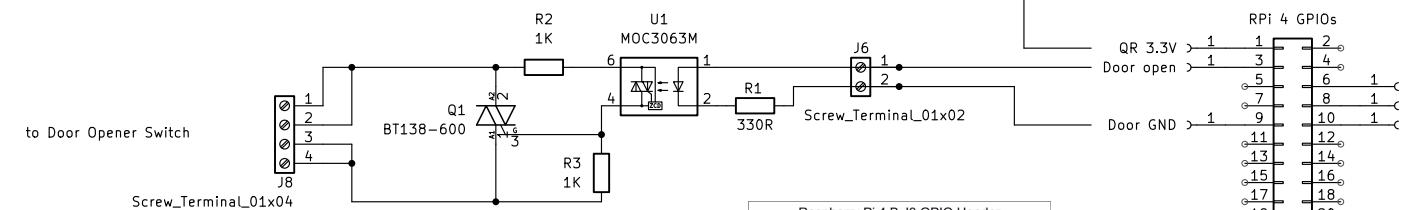www.element14.com/RaspberryPi

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