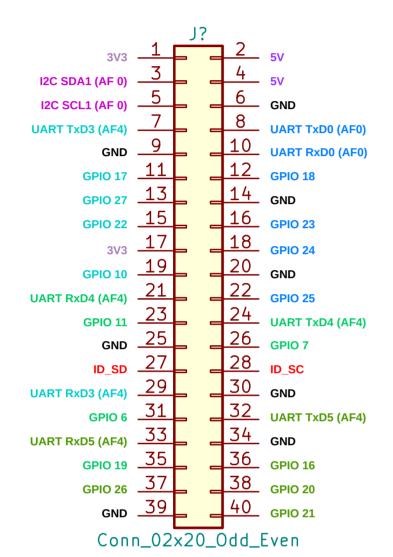


Raspberry 40pin connector config bcm2711 (rpi designations)

Per GPIO channel: 4x GPIO, 1x UART



I2C Bus: Controls all IO expanders on Target Stack Shields

Unused

ID_XX: Unused

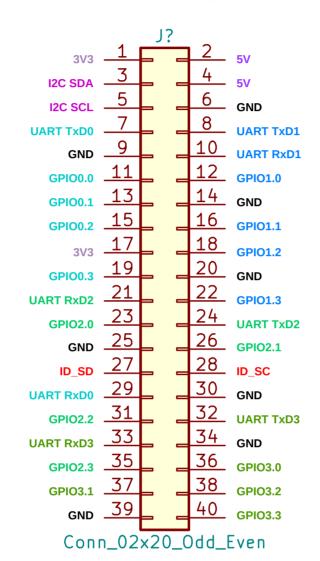
GPIO Channels: Channel 0

> Channel 1 Channel 2

> > Channel 3

GPIO shield connector (hive designations)

Per GPIO channel: 4x GPIO, 1x UART



I2C Bus: Controls all IO expanders on Target Stack Shields

Unused

Power source for shields

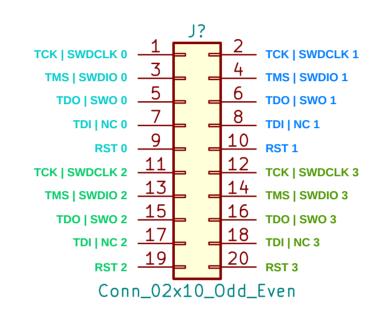
ID_XX: Unused

GPIO Channels:

Channel 0 Channel 1 Channel 2

Channel 3

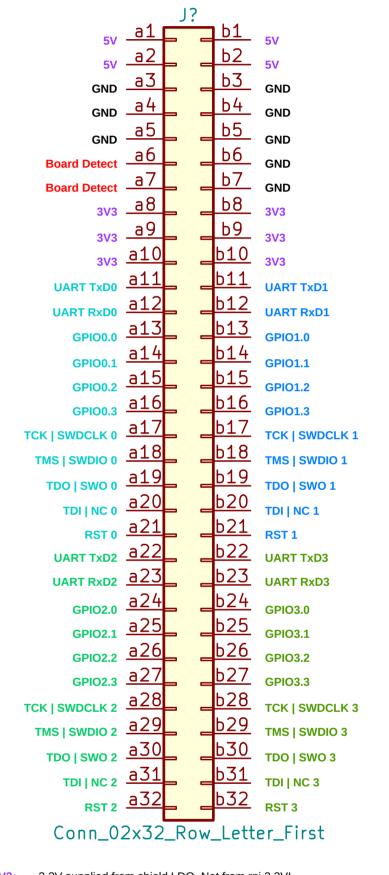
Probe shield connector (hive designations)



Probe Channels:

Channel 0 Channel 1 Channel 2 Channel 3





3V3: 3.3V supplied from shield LDO. Not from rpi 3.3V!

5V: 5V supplied by power supply usb c rpi input

Board Detect: Needs to be connected together on daughterboard, allows shield to detect if daughterboard is present

Channels:

Channel 0 Channel 1

Channel 2

Channel 3