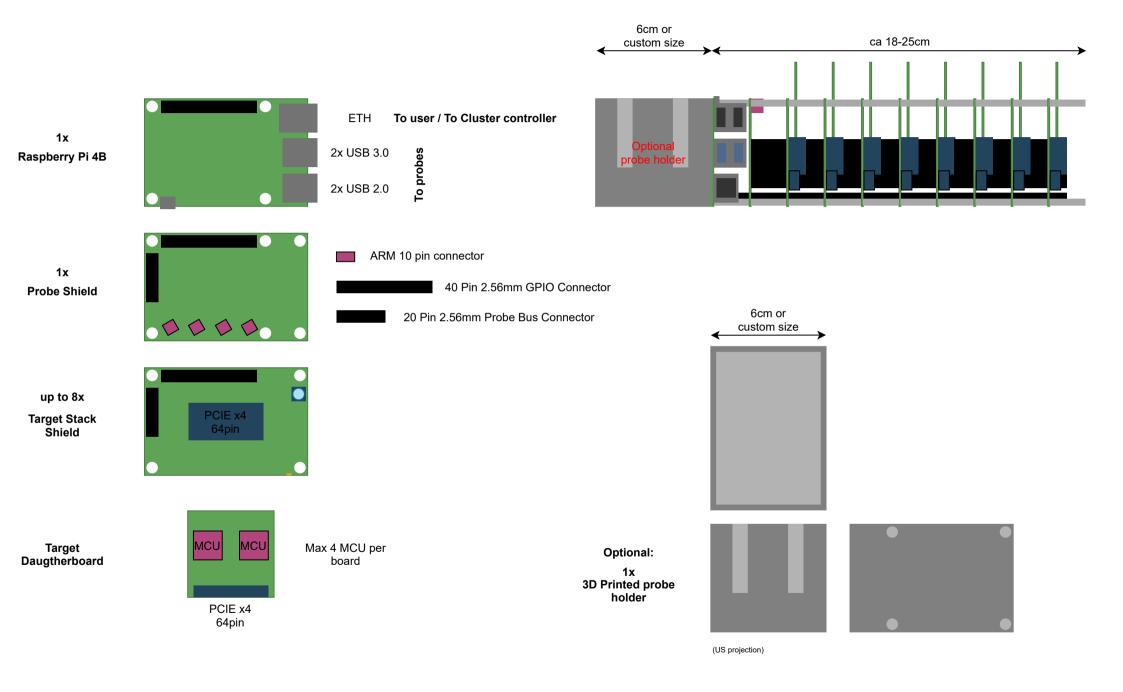


Layout



Connectors

Possible GPIO shield / Probe shield pass through connectors:

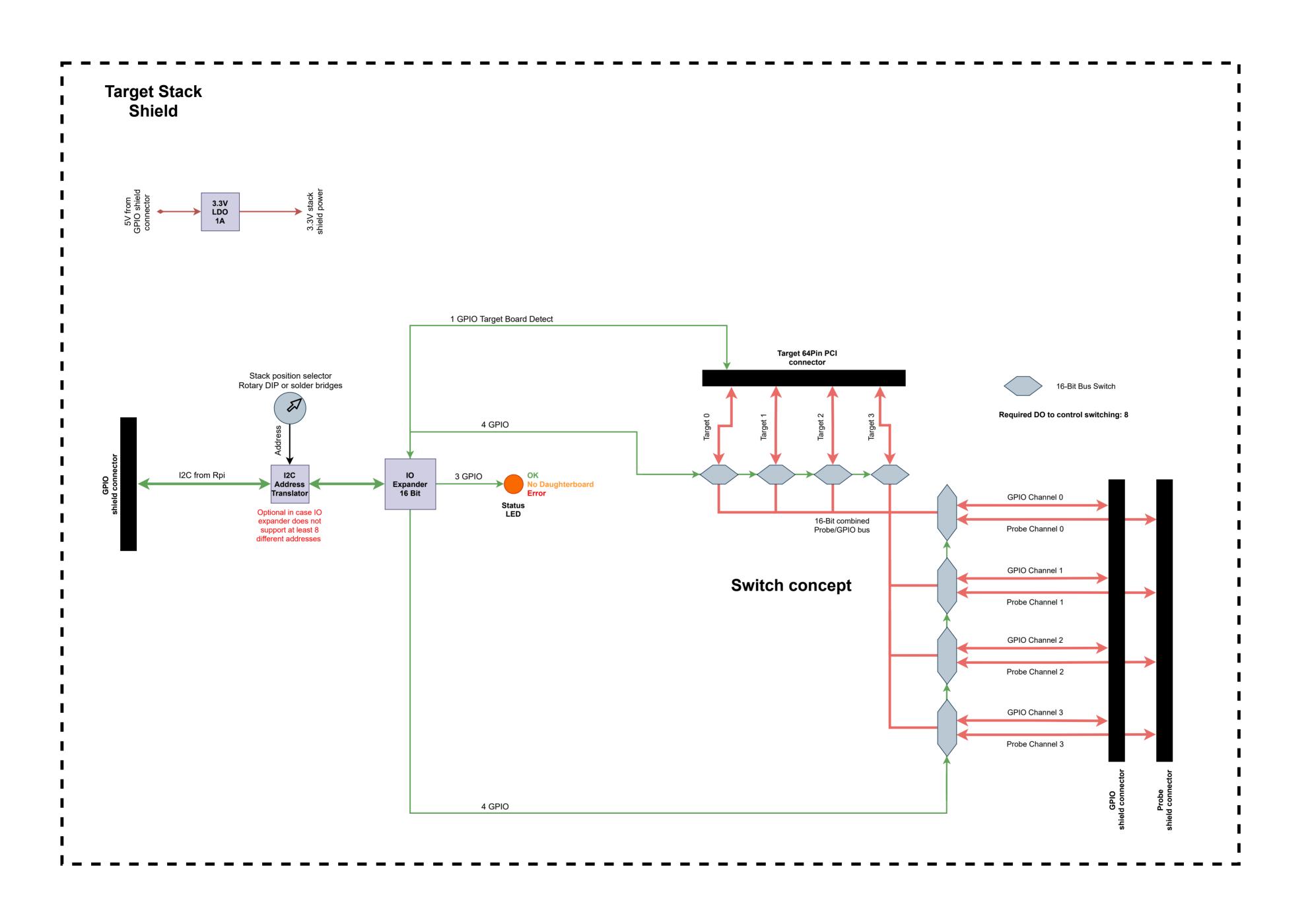
ESQ-120-34-L/T-D (40Pin) ESQ-110-34-L/T-D (20Pin) Price: ~8-10CHF Availability: Non plated, mediocre Price: ~3-6CHF SSQ-120-04-L/T-D (40Pin) SSQ-110-04-L/T-D (20Pin) Availability: non plated ok 14.83mm TSM-120-03-F/L-DV (40Pin) Price: ~9CHF per pair TSM-110-03-F/L-DV (20Pin) Availability: ok with SSM-120-F/L-DV (40Pin) 14 48mm SSM-110-F/L-DV (20Pin) Price: ~4-8CHF ESQ-120-14-L/T-D (40Pin) Availability: Non plated, good ESQ-110-14-L/T-D (20Pin)

Possible ARM 10pin debug connectors:

FTSH-105-01-F-DV-007-K

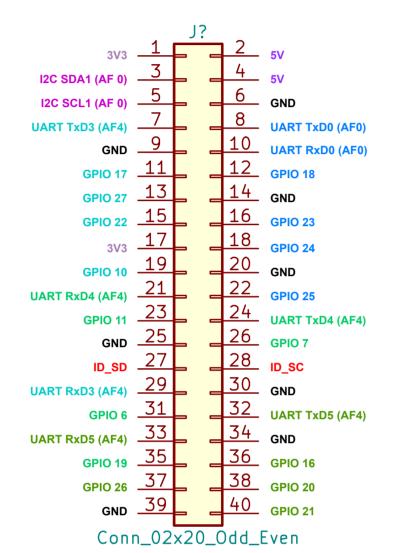


Price: ~3-4CHF Availability: ok



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

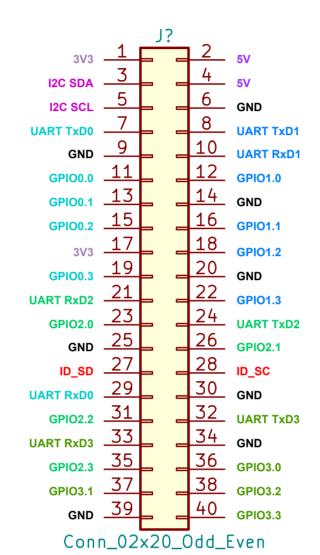
GPIO Channels:



Channel 3

GPIO shield connector (hive designations)

Per GPIO channel: 4x GPIO, 1x UART



I2C Bus: Controls all IO expanders on Target Stack Shields

Power source for shields

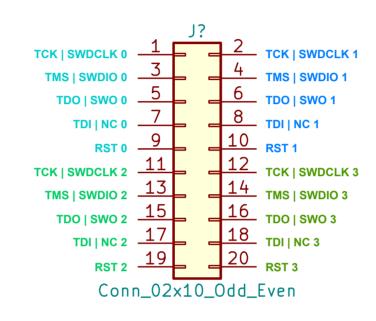
ID_XX: Unused

GPIO Channels:

Channel 0 Channel 1

Channel 2 Channel 3

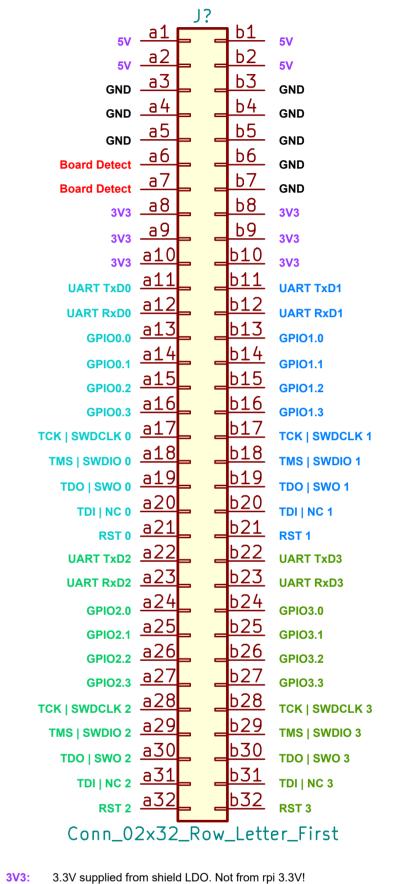




Probe Channels:

Channel 0 Channel 1 Channel 2 Channel 3





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