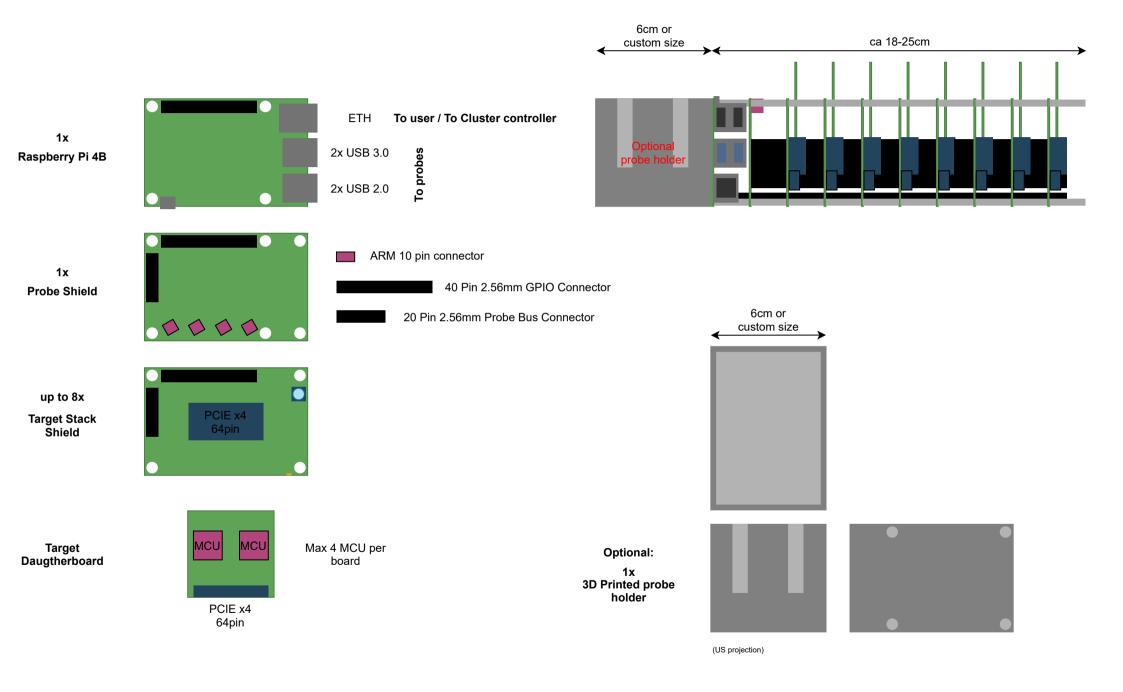
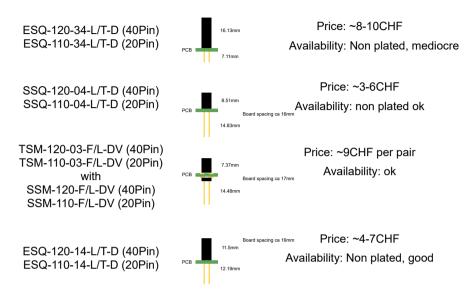


Layout

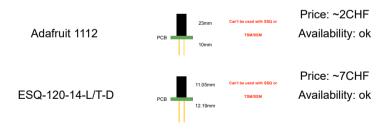


Connectors

Possible GPIO shield / Probe shield pass through connectors:



Possible RPI to first shield connectors:

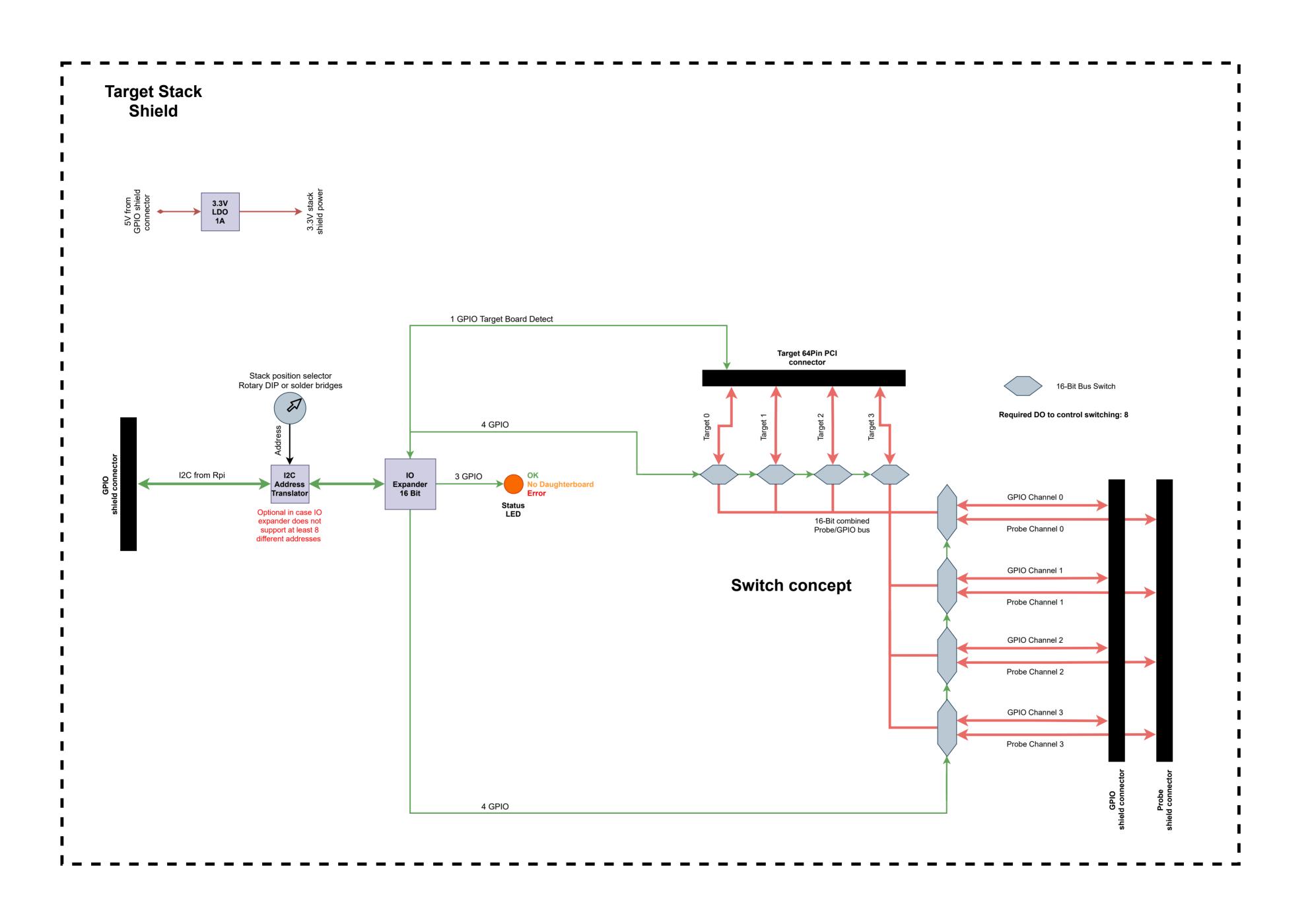


Possible ARM 10pin debug connectors:

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

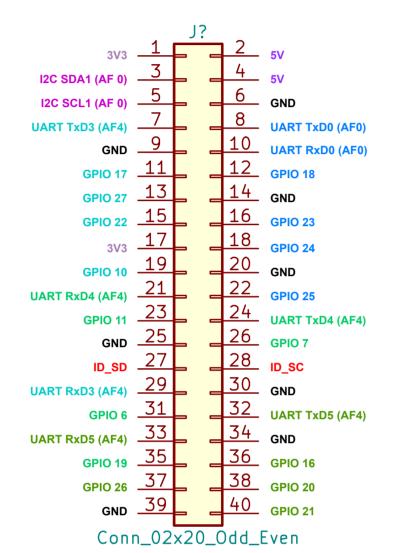


Price: ~3-4CHF Availability: ok



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

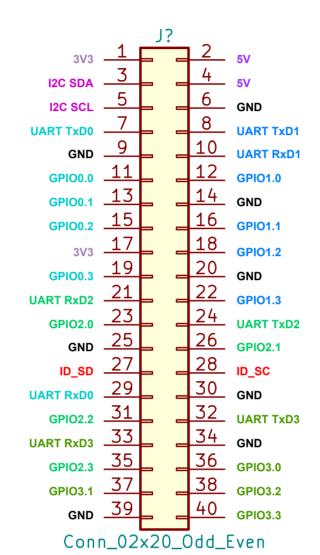
GPIO Channels:



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

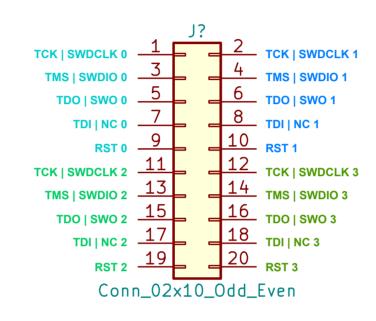
ID_XX: Unused

GPIO Channels:

Channel 0 Channel 1

Channel 2 Channel 3

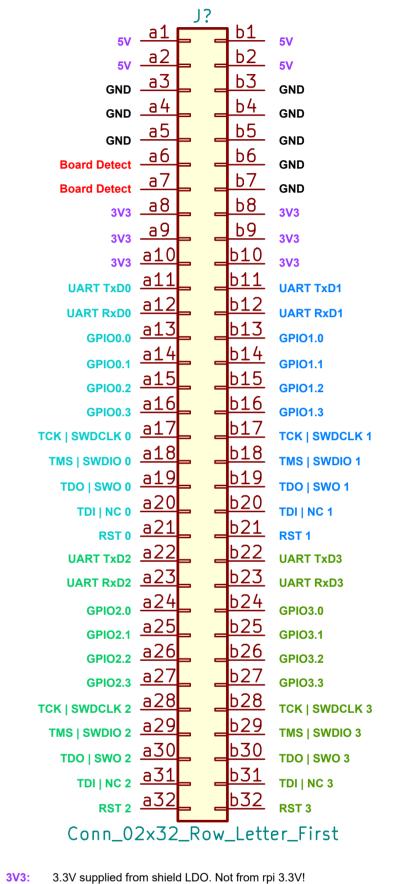




Probe Channels:

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