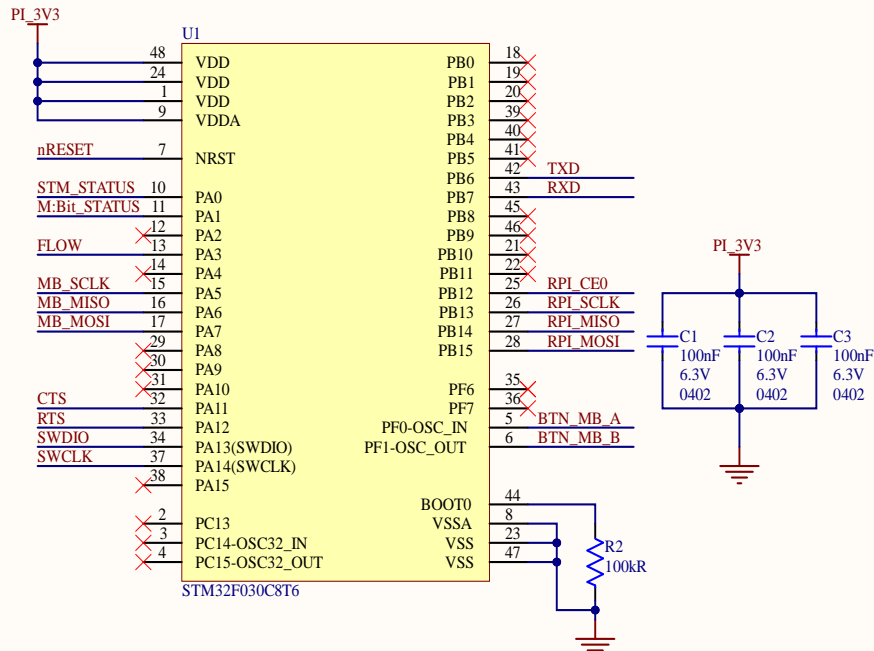
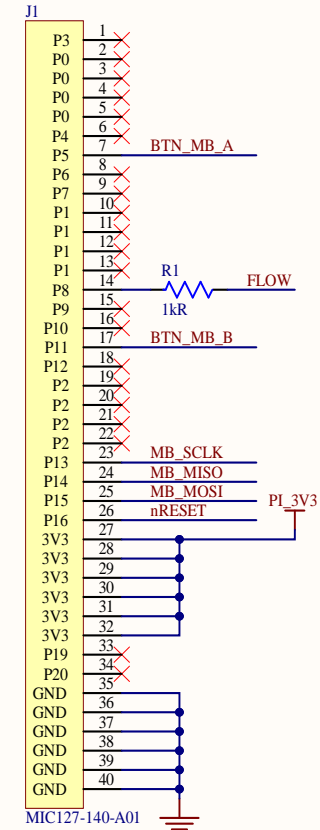


Microcontroller unit

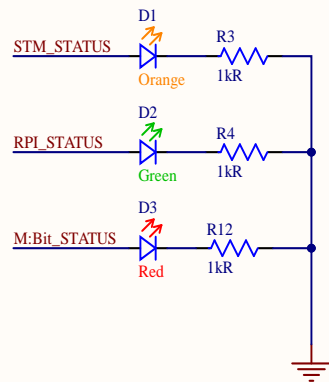


micro:bit connections

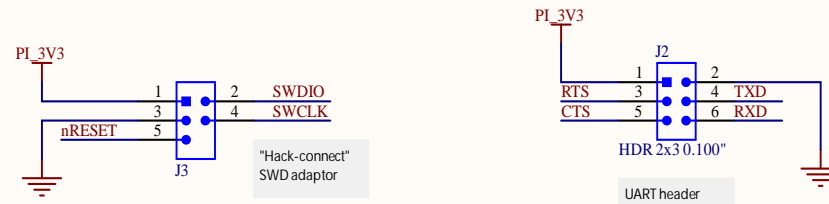
190 mA max current draw from micro:bit V2.



LEDs



Programming/debug connector



Key:

- TO-DO
- Silkscreen & layout notes
- Block name
- Design notes

PROJECT FILENAME ArcadeRpiSmartShield 33.PrjPCB

PROJECT CODENAME ArcadeRpiSmartShield

Microsoft

PROJECT DESCRIPTION
Pi SPI display extension for the Microbit Arcade.

SHEET DESCRIPTION
MCU and associated circuitry

SHEET FILENAME ArcadeRpiSmartShield 33 MCU.SchDoc

LICENCE Attribution 4.0 International (CC BY 4.0)

LAST MODIFIED 3/4/2021

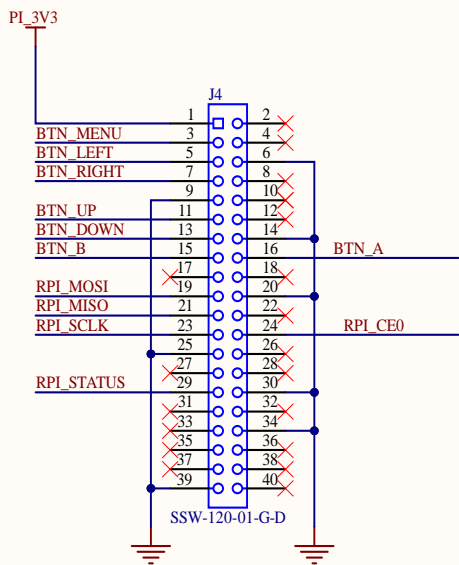
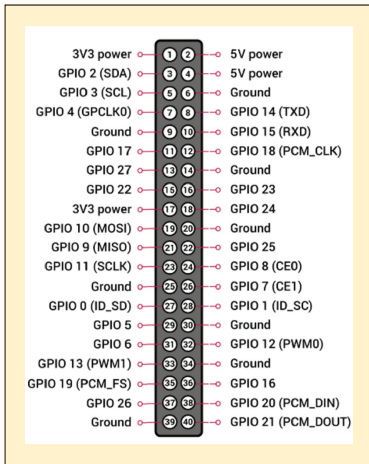
PAGE 1 OF 2

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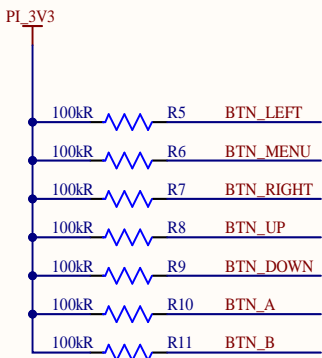
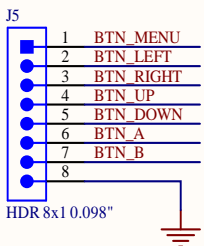
REVISION 1.0

PCBID 33-1.0

R Pi header connections

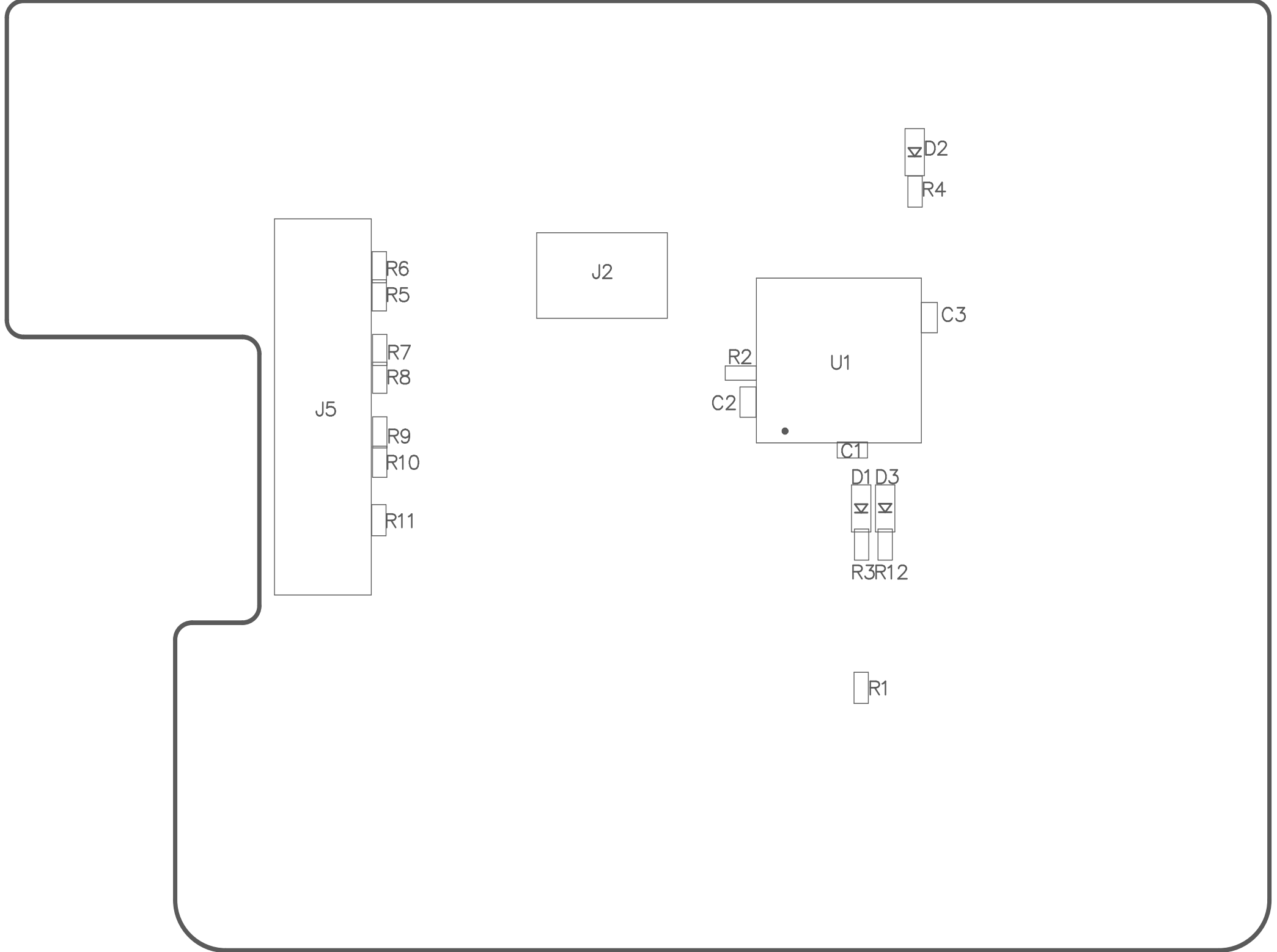


Buttons header



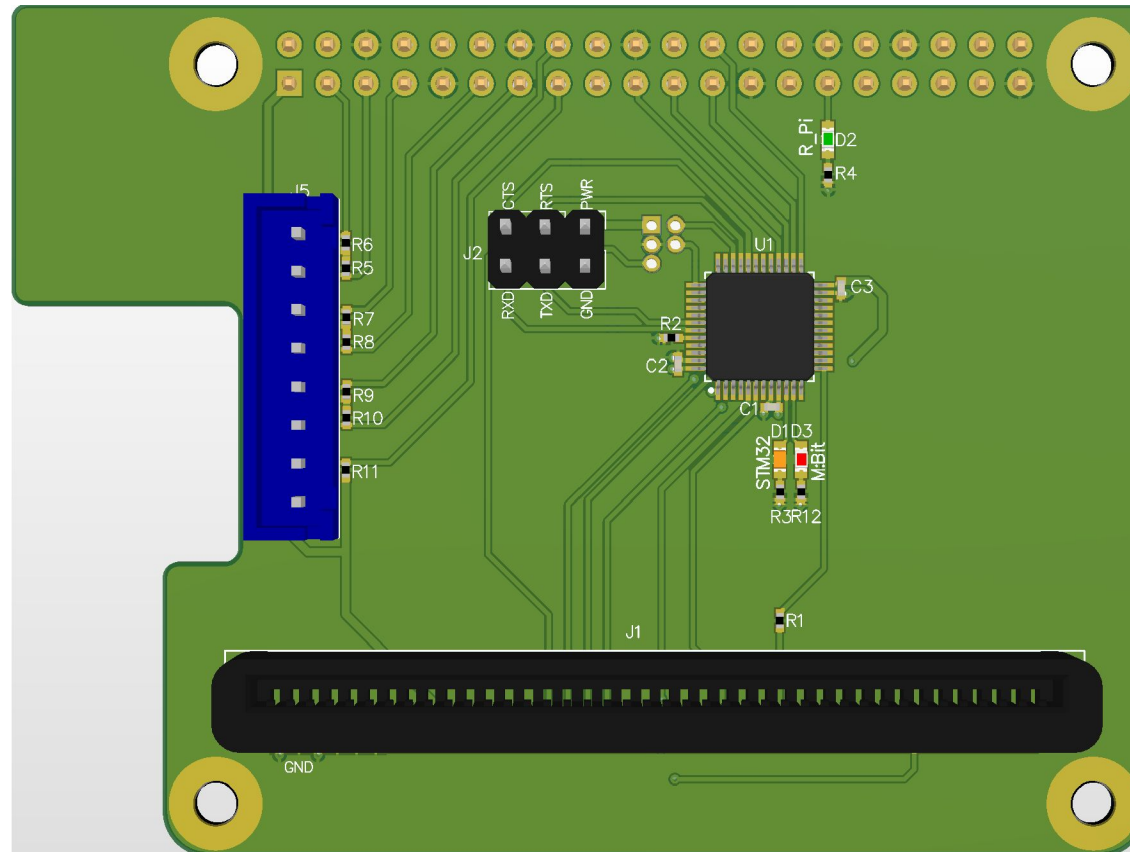
Key:	TO-DO
	Silkscreen & layout notes
	Block name
	Design notes

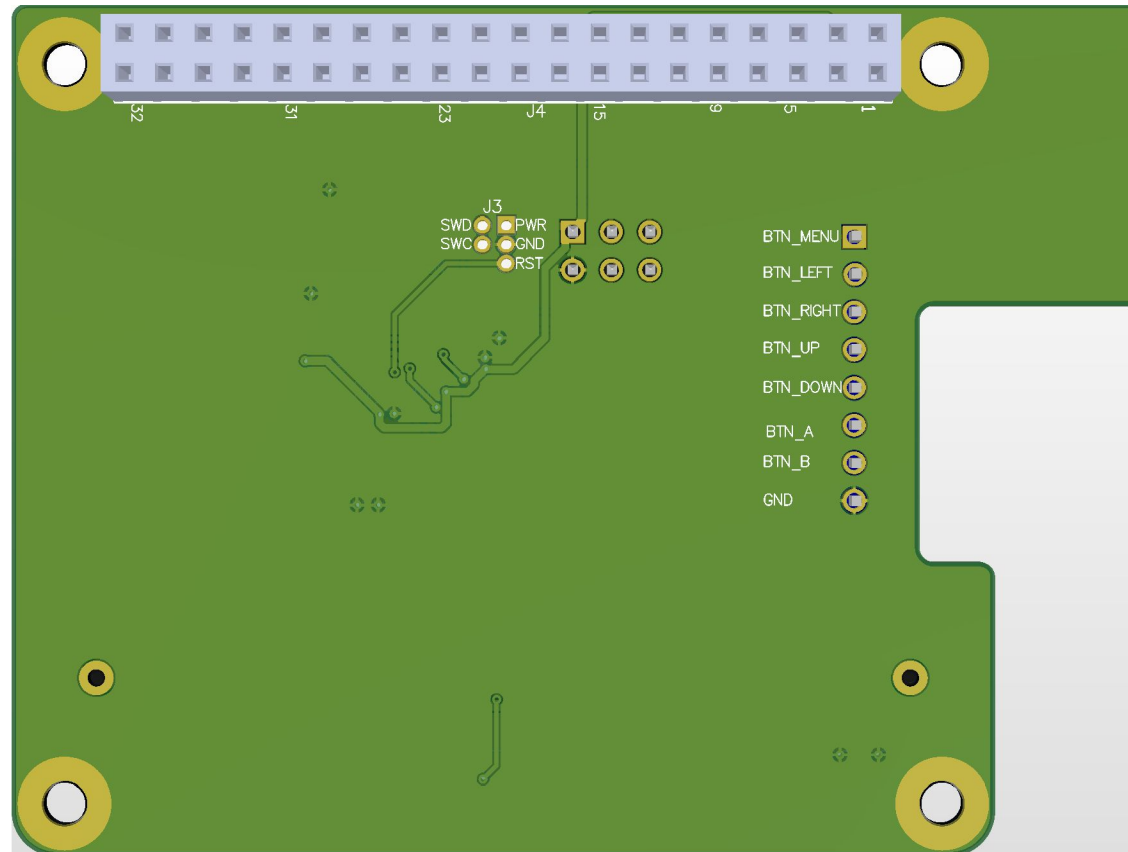
PROJECT FILENAME	ArCADERpiSmartShield 33.PrjPCB	PROJECT CODENAME	ArCADERpiSmartShield	MICROSOFT		Pi SPI display extension for the Microbit Arcade.			R Pi interface circuitry					
SHEET FILENAME	ArCADERpiSmartShield 33 Pi interface.SchDoc	LICENCE	Attribution 4.0 International (CC BY 4.0)		LAST MODIFIED	3/4/2021	PAGE	2 OF 2	DRAWN BY	C.K, D. G, S.H & Michal	REVISION	1.0	PCB ID	33-1.0

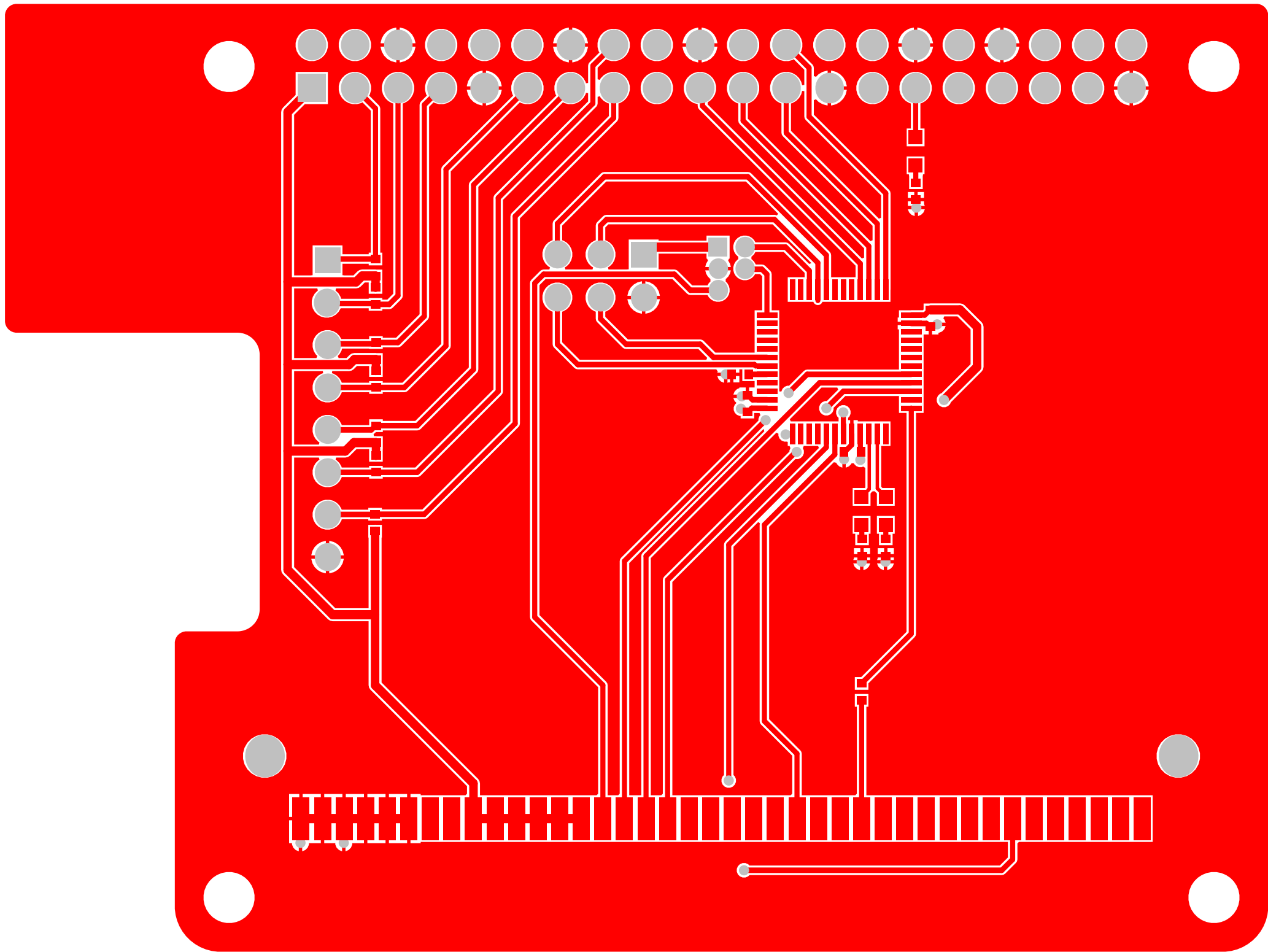


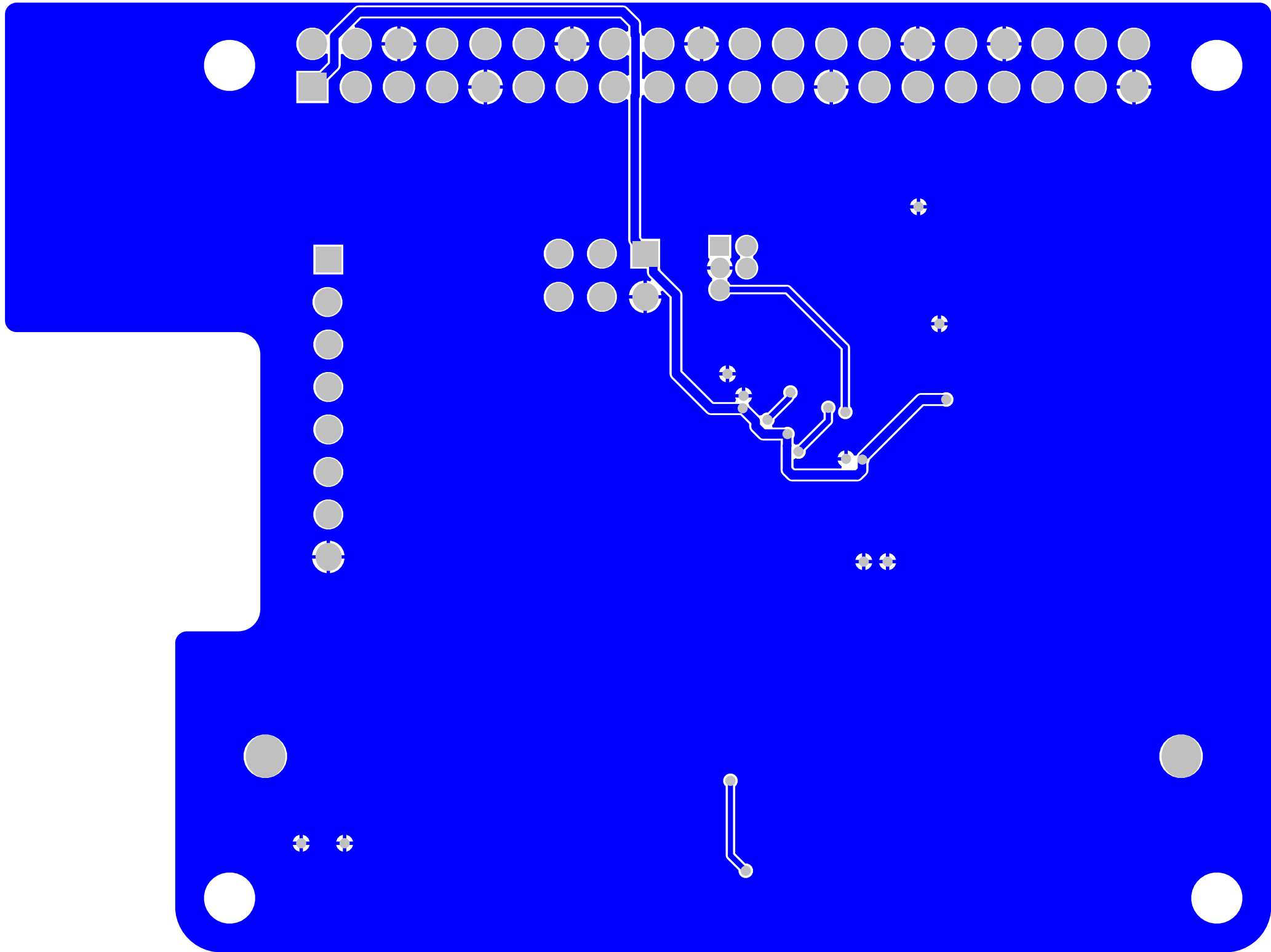
J4

1











J3
SWD
SWC
PWR
GND
RST

BTN_MENU

BTN_LEFT

BTN_RIGHT

BTN_UP

BTN_DOWN

BTN_A

BTN_B

GND

