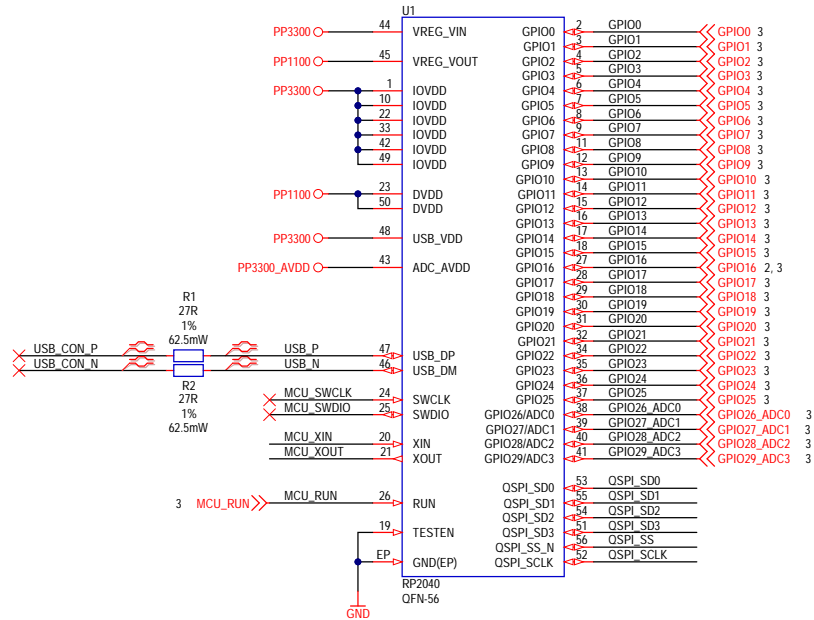
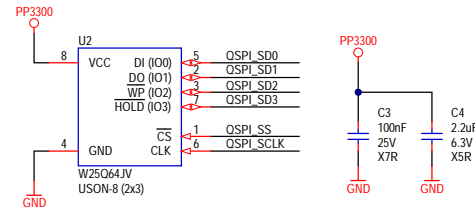


## RP2040 MCU

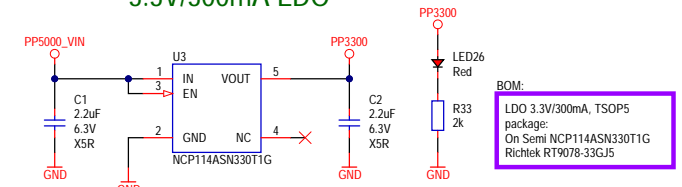


## QSPI FLASH



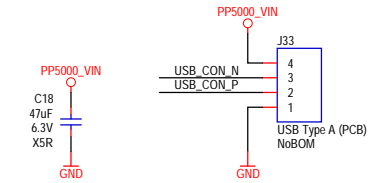
BOM:  
4-64Mbit Flash, Quad SPI, 100-133MHz, XIP  
(eXecute In Place), USON-8 2x3mm, 3.3V  
Winbond: W25Q16/VU(XIO) (2MB, 133 MHz)  
CigaDevice: GD25Q40CE(IGR (512kB, 120 MHz)  
CigaDevice: GD25Q80CE(IGR (1MB, 120 MHz)  
CigaDevice: GD25Q80EE(IGR (1MB, 133MHz)  
ISSI: IS25LP080D-JULE (1MB, 133 MHz)

## 3.3V/300mA LDO



BOM:  
LDO 3.3V/300mA, TSOP5  
package:  
On Semi NCP114ASN330T1G  
Richtek RT9078-33GJ5

## USB (PCB)

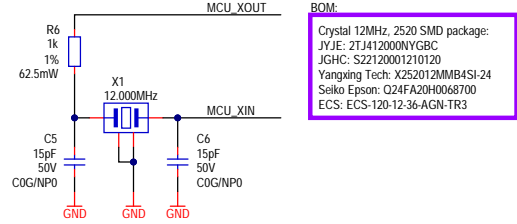


BOM:  
Tactile switch, 4.8 x 4.8 x 0.8mm, SMD:  
C&K: PTS526 SM08 SMTR2 LFS  
SHOU HAN: TS5208A 160gf  
XKB Connectivity: TS-1187B-C  
BZCN: TSC003A8035A  
DGBZ: YTSC003B0801601B  
Korean Hroparts Elec: K2-1187SN-A3SW-0 6

LAYOUT:  
Route USB signals as matched length 90 Ohm  
differential pairs. The P N signals should ideally be  
matched to 0.15mm.

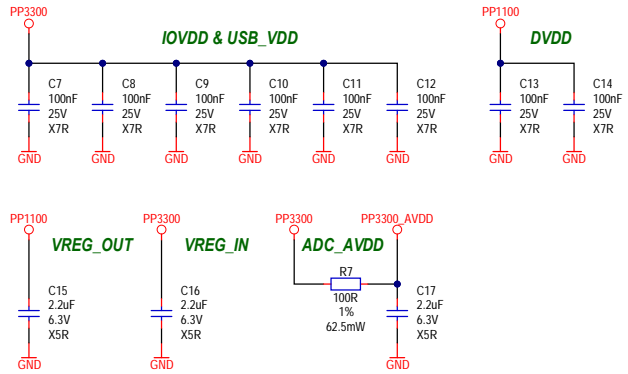
FID1 Fiducial  
FID2 Fiducial  
FID3 Fiducial  
PCB1 LAYER INDICATOR  
PCB\_LAYER\_STACKUP

## OSC

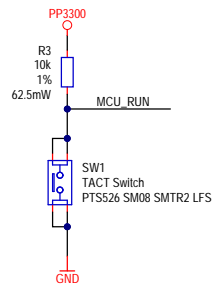


BOM:  
Crystal 12MHz, 2520 SMD package:  
JYJE: ZTJ412000NYGBC  
JGHC: S22120001210120  
Yangxing Tech: X252012MMB4SI-24  
Seiko Epson: Q24FA20H0068700  
ECS: ECS-120-12-36-AGN-TR3

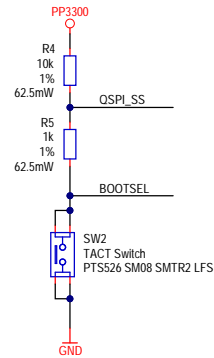
## DECOUPLING CAPACITORS



## RESET

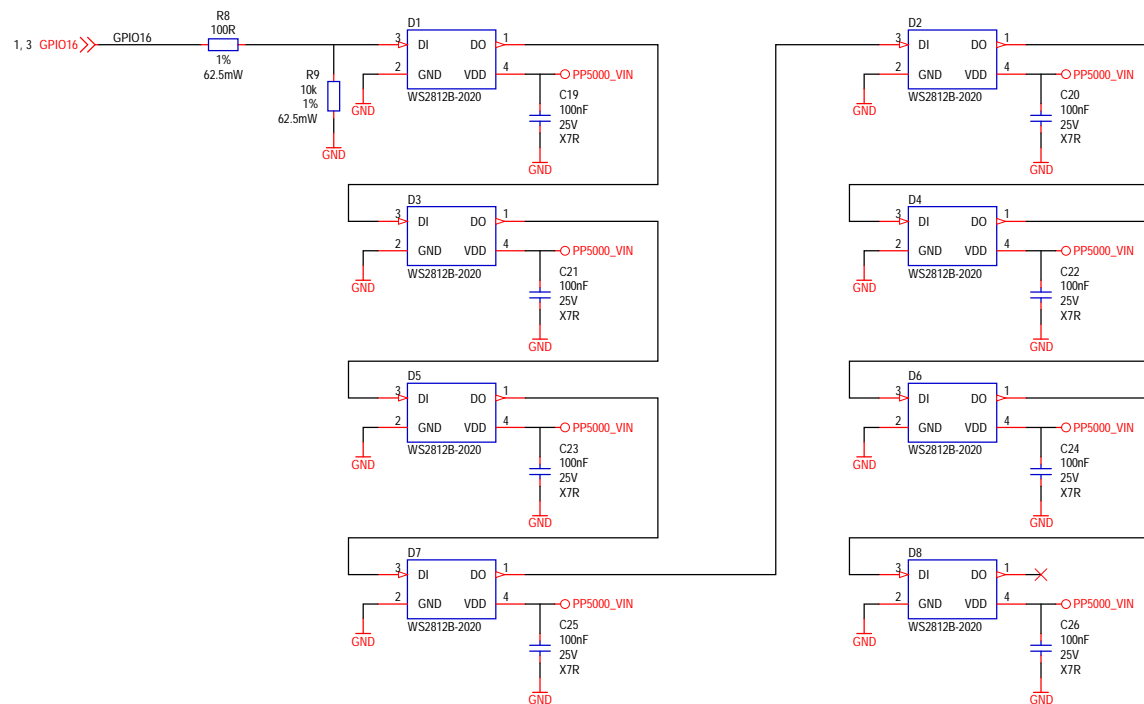



## BOOT



		Mirko Electronics Smoka Wawelskiego 1 30-535 Krakow, Poland	Size <b>B</b>
Title <b>Raspberry Pi RP2040 MCU</b>		Version <b>V1</b>	Revision <b>R1</b>
Project: Variant: [No Variations]		RefDes: 1_99	
Designer: File Name: [011 MCU_SchDoc]		Sheet: 1 / 3 Printed: 22.12.2022	

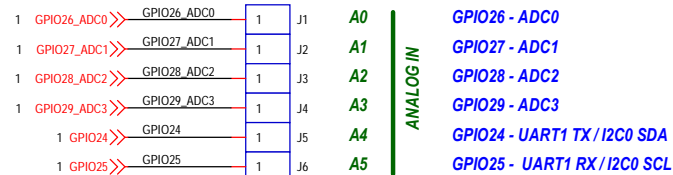
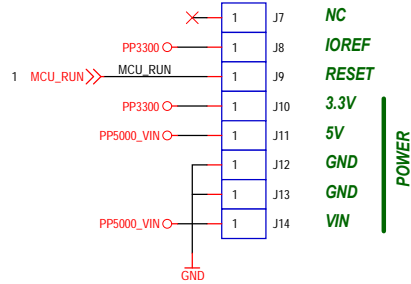
## RGB RING LED



 <b>mirko electronics</b>		Mirko Electronics Smoka Wawelskiego 1 30-535 Kraków, Poland	Size <b>B</b>
Title <b>RGB Ring LED</b>			Version <b>V1</b>
Project:			Revision <b>R1</b>
Variant: [No Variations]		RefDes: 1_99	
Designer:		Sheet: 2 / 3	
File Name: [02] LED.SchDoc		Printed: 22.12.2022	

# ARDUINO UNO PIN HEADER

ARDUINO UNO RP2040 BOARD



ARDUINO UNO RP2040 BOARD

