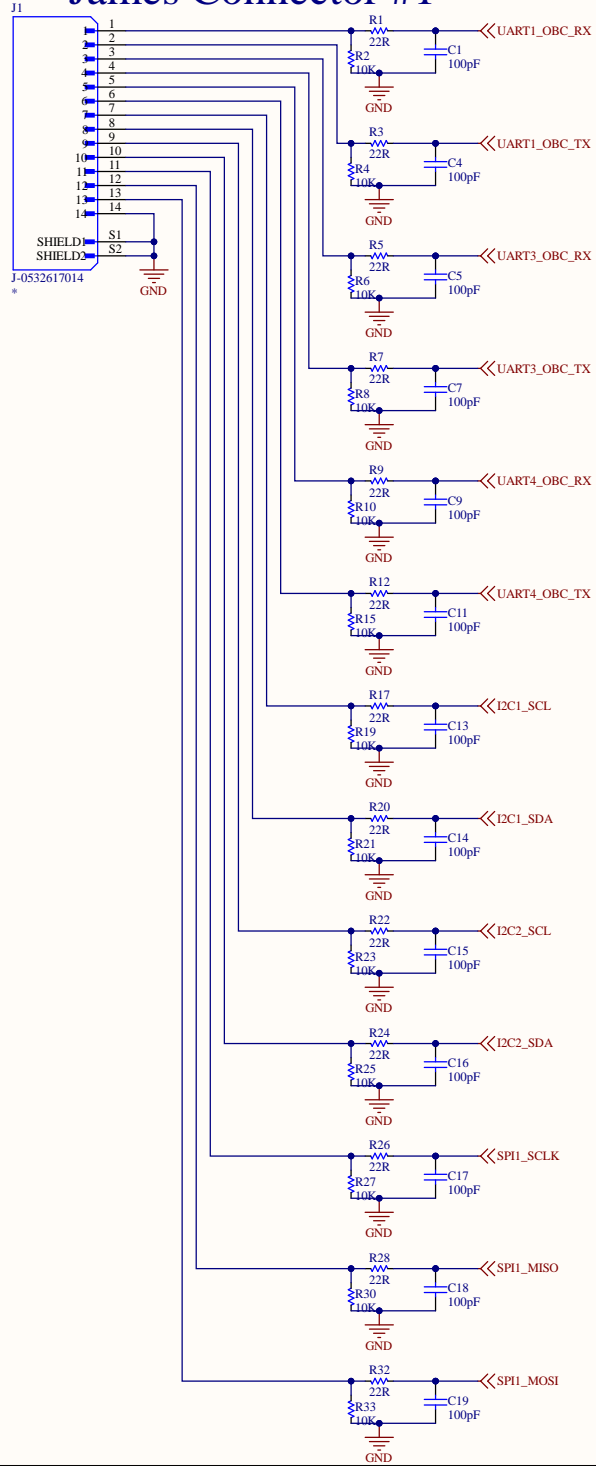
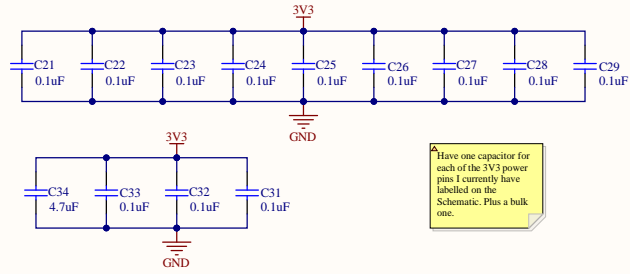


# James Connector #1



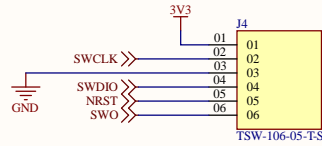
## Decoupling Capacitors

Placed as close as possible to part

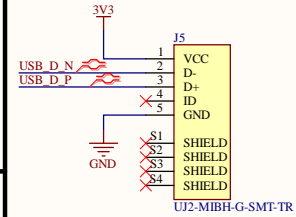


Have one capacitor for each of the 3V3 power pins I currently have labelled on the Schematic. Plus a bulk one.

## SWD Interface



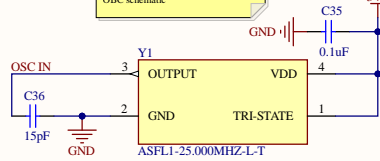
## USB connector



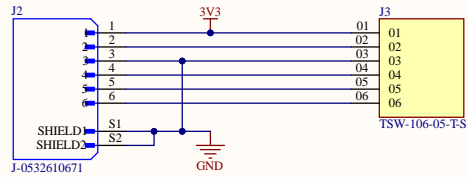
△ ID pin used for "on the go" operation, left floating otherwise.

## OSC Clock

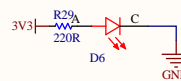
Same design as on the PDF of the OBC schematic



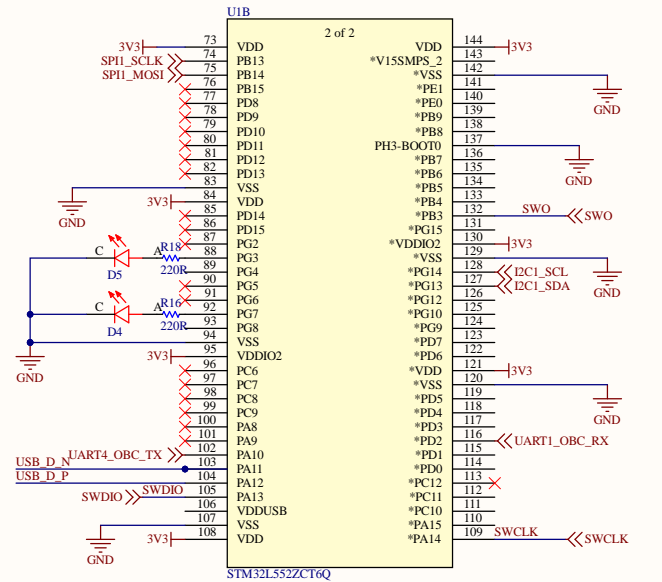
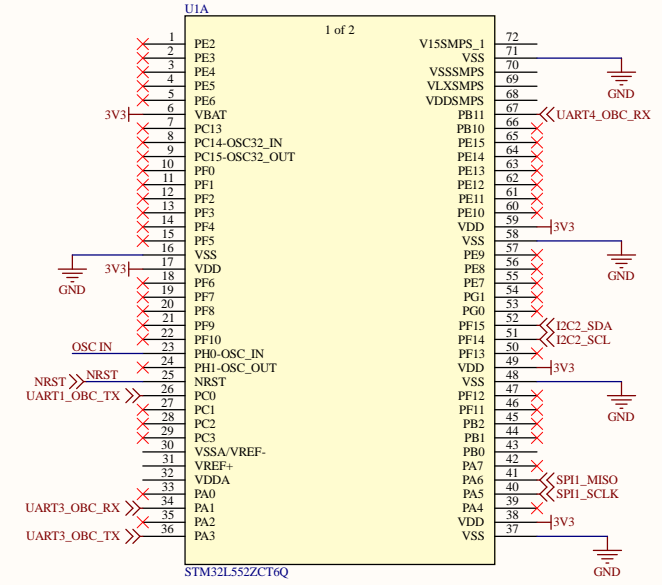
## James Connector #2



## Indicator Light



# STM32



Title <b>Umbilical Board</b>		
Size A3	Number	Revision <b>Yes</b>
Date: 3-09-2023	Sheet 1 of 1	
File: C:\Users\...Main.SchDoc	Drawn By:	

# Board Stack Report