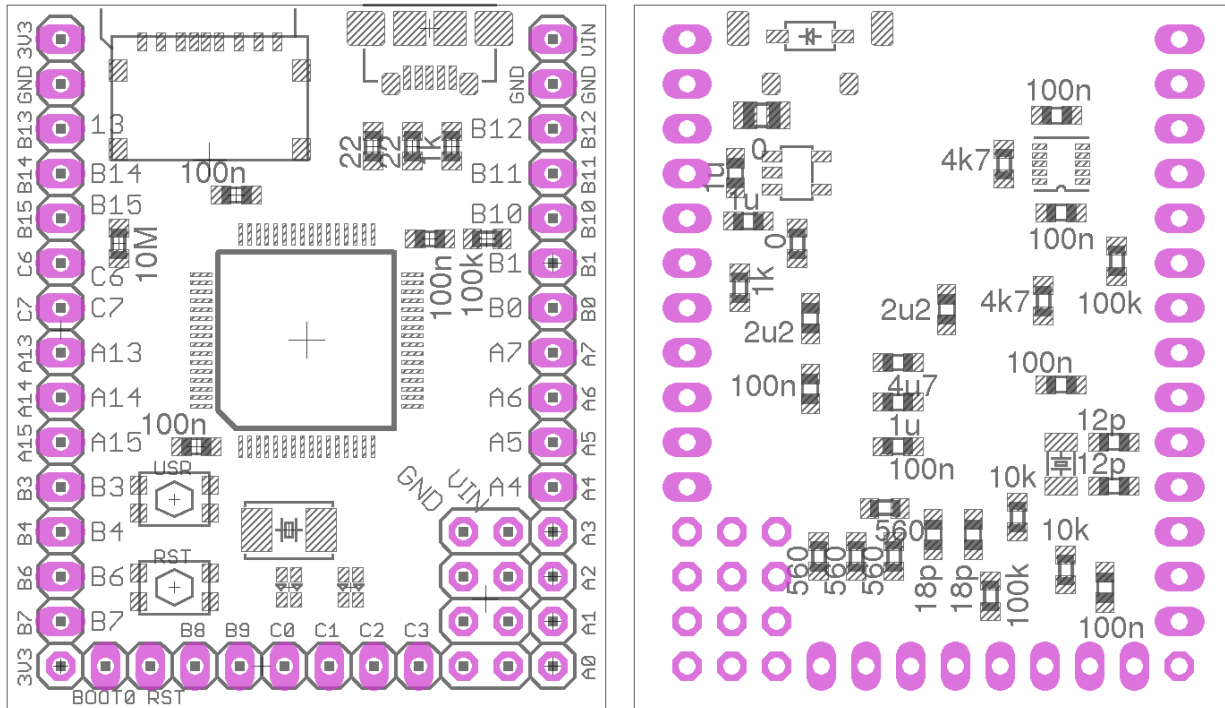


Assembly guide and BOM for Micro Python PYBv3



| description | mfg part number | package | quantity |
|-----------------|--------------------|--|----------|
| microcontroller | STM32F405RGT6 | LQPF64 | 1 |
| 3.3v LDO | MCP1802T-3302I/OT | SOT-23-5 | 1 |
| power diode | 1N5819HW-7-F | SOD-123 | 1 |
| 8MHz crystal | 7A-8.000MAAE-T | SMT, 2 pads, 5x3.2mm | 1 |
| 32kHz crystal | 9HT10-32.768KBZF-T | SMT, 2 pads, 3.2x1.5mm | 1 |
| bicolour LED | LTST-C195KGJRKT | SMT, 4 pads, 1.5x1.6mm | 2 |
| accelerometer | MMA7660F | DFN-10 | 1 |
| micro SD socket | 1050270001 | SMT, 9 pads, 11.24x7mm | 1 |
| USB micro-AB | ZX62D-AB-5P8 | SMT + through hole 5 pads + 4 pins, 7.5x5.6mm | 1 |
| push switch | KMR421G LFS | SMT, 4 pads, 5x2.8mm | 2 |
| resistor 22 | | 0603 | 2 |
| resistor 560 | | 0603 | 4 |
| resistor 1k | | 0603 | 2 |
| resistor 4k7 | | 0603 | 2 |
| resistor 10k | | 0603 | 2 |
| resistor 100k | | 0603 | 3 |
| resistor 10M | | 0603 | 1 |
| capacitor 12p | | 0603 | 4 |
| capacitor 100n | | 0603 | 9 |
| capacitor 1u | | 0603 | 3 |
| capacitor 2u2 | | 0603 | 2 |
| capacitor 4u7 | | 0603 | 1 |
| total | | | 47 |