**ASE00037 A1 Houston 27/01/2023**

| **Ref.** | **Value** | **Description** | **Qtty** | **Man.** | **Man. Ref.** |
| --- | --- | --- | --- | --- | --- |
| C1, C80, C81,  C82, C83, C84, C85 | 100n 6V3 | Capa 0603 | 7 |  |  |
| D1 | USBLC6-2SC6 | ESD Protection |  | 1 STMicro |  |
| D2 | Green | Green LED 0603 |  | 1 Wurth | 150060VS75000 |
| D3 | Red | Red LED 0603 |  | 1 Wurth | 50060RS75000 |
| H5 | PCB00019 | PCB | 1 |  |  |
| J1 | 10118194-0001LF | USB Prog Connector |  |  | 1 Amphenol FCI 10118194-0001LF |
| J3 | DNP - SIL6 | SWDebug Connector |  | 1 Harwin | M20-9990646 |
| J4 | Pico4 | Fake USB Connector |  | 1 Molex | 3398-0471 |
| J5 | FFC 0,5 mm 10w | Encoders/IMU Connector |  | 1 Hirose | FH12-10S-0.5SH(55) |
| J7, J11, J21, J31 | Pico5 | Comm. Connector |  | 4 Molex | 53261-0571 |
| J10 | FFC 0,5 mm 40w | Microcontroller Connector |  | 1 Hirose | FH12-40S-0.5SH(55) |
| R1 | 100k | Res. 0603 | 1 |  |  |
| R2 | 10k | Res. 0603 | 1 |  |  |
| R3, R4 | 470R | Res. 0603 | 2 |  |  |
| R6 | 4k7 | Res. 0603 | 1 |  |  |
| R7 | 9k1 | Res. 0603 | 1 |  |  |
| R16, R26, R36 | 0R | Res. 0603 | 3 |  |  |
| R17, R27, R37 | DNP - 0R | Res. 0603 | 3 |  |  |
| SW1 | Switch | Boot switch |  |  | 1 C&K Switches JS102011SAQN |
| U1 | STM32G474 | Microcontroller - **128k** |  | 1 STMicro | STM32G474V**B**T6 |