# Feather J8 Connector

|  |  |  |  |
| --- | --- | --- | --- |
| Pin |  |  | Pin |
| 1 | IO\_28 | IO\_29 | 2 |
| 3 | IO\_23 | I0\_24 | 4 |
| 5 | IO\_31 | IO\_11 | 6 |
| 7 | IO\_12 | IO\_4 | 8 |
| 9 | IO\_5 | IO\_6 | 10 |
| 11 | IO\_7 | IO\_8 | 12 |
| 13 | IO\_10 | NC (IO\_40) | 14 |
| 15 | +3.3V | GND | 16 |

# Pmod Interface Type 2 (SPI)

|  |  |  |
| --- | --- | --- |
| Pin | Signal | Direction |
| 1 | SS | Out |
| 2 | MOSI | Out |
| 3 | MISO | In |
| 4 | SCK | Out |
| 5 | GND |  |
| 6 | VCC |  |

# Proposal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pmod Pin | Pmod Signal | J8 Signal | J8 Pin | S3 Device Pin (QFN) |
|  |  | IO\_28 | J8.1 |  |
|  |  | IO\_23 | J8.3 |  |
| 1 | SS | IO\_31 | J8.5 | 23 |
| 2 | MOSI (unused) | IO\_12 | J8.7 | 56 |
| 3 | MISO | IO\_5 | J8.9 | 64 |
| 4 | SCK | IO\_7 | J8.11 | 63 |
| 5 | GND | IO\_10 | J8.13 | 59 |
| 6 | VCC | +3.3V | J8.15 |  |

\*Note: Need to drive IO\_10 to GND