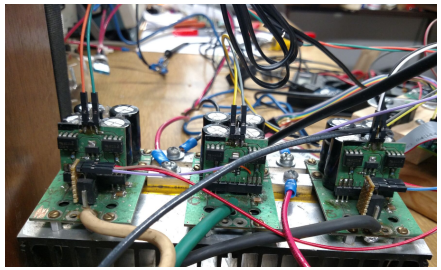
QFP100
PIN #s are
showing

| | | | | | | |
|---|---|---|---|---|---|---|
| | NC | NC | NC | NC | NC | RD |
| | BRK_LIGHT | M1F_P | M2F_P | REVERSE_N | PMOD2_* | THROT |
| | 99 | 95 | 92 | 91 | GND | PWR |
| | 1 | 3 | 5 | 7 | | |
| | 0 | 2 | 4 | 6 | | |
| | 98 | 94 | NC | NC | GND | PWR |
| | UART_TX | UART_RX | NC | NC | UART | I_SENSE1/2 |
| | GY | WH | NC | NC | BK | RD |

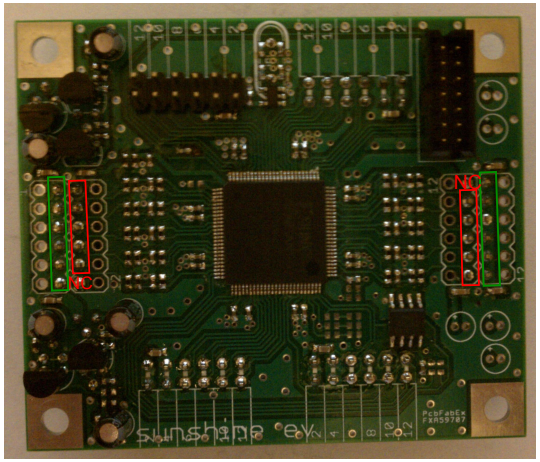
| | | | | | | |
|---|---|---|---|---|---|---|
| | NC | WH | OR | YL | NC | NC |
| | ANGLE2_IFB | M1AH | M1BH | M1CH | PMOD1_* | |
| | 89 | 86 | 84 | 79 | GND | PWR |
| | 1 | 3 | 5 | 7 | | |
| | 0 | 2 | 4 | 6 | | |
| | 88 | 85 | 83 | 78 | GND | PWR |
| | ANGLE2_IFA | M1AL | M1BL | M1CL | | |
| | NC | BK | GN | GY | GN | NC |

| M1B | M1B | M1C | M1A |
|---|---|---|---|
| HIGH | OR | YL | WH |
| LOW | GN | GY | BK |
| PWR | RD | | RD |
| GND | BR | | BR |
| I_SENSE | PU | | BL |



ADC_COMP_#

| GND | ADC | | # | NEG | POS | DAC |
|---|---|---|---|---|---|---|
| GN | WH | GAS | 0 | 3 | 2 | 4 |
| NC | NC | BRK1_N | 1 | 10 | 9 | 5 |
| NC | NC | VALET_N | 2 | 11 | NC | 12 CMOS |
| NC | NC | BRK2_N | 3 | 16 | 5 | 17 |
| NC | NC | BATT_I | 4 | 23 | 22 | 18 |
| NC | NC | NC | | NC | NC | NC |




ADC_COMP_#

| NEG | POS | DAC # | | ADC | GND |
|---|---|---|---|---|---|
| NC | NC | NC | NC | NC | NC |
| CMOS 71 | NC | 70 | 9 NEUTRAL_N | NC | NC |
| 68 | 67 | 66 | 8 I2A | NC | NC |
| 63 | 62 | 65 | 7 I2B | NC | NC |
| 61 | 60 | 58 | 6 I1B | PU | BR |
| 54 | 53 | 57 | 5 I1A | BL | BR |

| | | | | | | |
|---|---|---|---|---|---|---|
| | NC | NC | NC | NC | WH | NC |
| | PMOD0_* | M2CL | M2BL | ANGLE1_IFA | M2AL | |
| | PWR | GND | 32 | 34 | 36 | 40 |
| | | | 6 | 4 | 2 | 0 |
| | PWR | GND | 33 | 35 | 38 | 41 |
| | PWR IN | M2CH | M2BH | ANGLE1_IFB | M2AH | |
| | RD | BR | NC | NC | OR | NC |

| | | | | | | |
|---|---|---|---|---|---|---|
| | RD | BR | BL | BK | NC | NC |
| | | | | M1 | M2 | |
| | | SPI_CS2 | SPI_CS1 | SPI_CS0 | INIT_B | |
| | PWR | GND | 49 | 48 | 47 | 25 |
| | | | 6 | 4 | 2 | 0 |
| | PWR | GND | 50 | 44 | 27 | 26 |
| | | SPI_CLK | MISO | MOSI | CSO_E | |
| | RD | GY | NC | NC | NC | YL |

used as chip select for SPI however this pin is "dout" which will be toggilng during configuration.