# ARDUINO PINOUT AFFECATION

| Number | Affectation | Familiy | SubFamiliy | Note | IRQ |
|---|---|---|---|---|---|
| 0 | RX0 | COM | | Reserved for USB Port 1 communication | |
| 1 | TX0 | COM | | Reserved for USB Port 1 communication | |
| 2 | ENC_HDG_A | PWM | INPUT | | IRQ 0 |
| 3 | ENC_VSI_A | PWM | INPUT | | IRQ 1 |
| 4 | ENC_VSI_B | PWM | INPUT | | |
| 5 | | PWM | | | |
| 6 | ENC_HDG_B | PWM | INPUT | | |
| 7 | DISPLAY_SPD | PWM | OUTPUT | | |
| 8 | DISPLAY_HDG | PWM | OUTPUT | | |
| 9 | DISPLAY_FO_BARO | PWM | OUTPUT | | |
| 10 | DISPLAY_CPT_BARO | PWM | OUTPUT | | |
| 11 | DISPLAY_ALT | PWM | OUTPUT | | |
| 12 | DISPLAY_VSI | PWM | OUTPUT | | |
| 13 | DISPLAY_CLK | PWM | OUTPUT | | |
| 14 | ENC_ALT_B | COM | INPUT | | |
| 15 | ENC_SPD_B | COM | INPUT | | |
| 16 | ENC_FO_BARO_B | COM | INPUT | | |
| 17 | ENC_CPT_BARO_B | COM | INPUT | | |
| 18 | ENC_ALT_A | COM | INPUT | | IRQ 5 |
| 19 | ENC_SPD_A | COM | INPUT | | IRQ 4 |
| 20 | ENC_FO_BARO_A | COM | INPUT | | IRQ 3 |
| 21 | ENC_CPT_BARO_A | COM | INPUT | | IRQ 2 |
| 22 | ND_SELECTOR_AD1 | DIGITAL | INPUT | | |
| 23 | ND_SELECTOR_AD0 | DIGITAL | INPUT | | |
| 24 | ND_SELECTOR_AD2 | DIGITAL | INPUT | | |
| 25 | ND_VOR_MODE | DIGITAL | INPUT | | |
| 26 | | DIGITAL | | | |
| 27 | ND_ADF_MODE | DIGITAL | INPUT | | |
| 28 | GROUP7 | DIGITAL | OUTPUT | | |
| 29 | CHANEL7 | DIGITAL | INPUT | | |
| 30 | GROUP6 | DIGITAL | OUTPUT | | |
| 31 | CHANEL6 | DIGITAL | INPUT | | |
| 32 | GROUP5 | DIGITAL | OUTPUT | | |
| 33 | CHANEL5 | DIGITAL | INPUT | | |
| 34 | GROUP4  FCU ENCODERS PB | DIGITAL | OUTPUT | | |
| 35 | CHANEL4 | DIGITAL | INPUT | | |
| 36 | GROUP3 FCU PB | DIGITAL | OUTPUT | | |
| 37 | CHANEL3 | DIGITAL | INPUT | | |
| 38 | GROUP2 FO EFIS | DIGITAL | OUTPUT | | |
| 39 | CHANEL2 | DIGITAL | INPUT | | |
| 40 | GROUP1 CPT EFIS | DIGITAL | OUTPUT | | |
| 41 | CHANEL1 | DIGITAL | INPUT | | |
| 42 | GROUP0 CPT ALARMS | DIGITAL | OUTPUT | | |
| 43 | CHANEL0_PIN 43 | DIGITAL | INPUT | | |
| 44 | | PWM | | | |
| 45 | | PWM | | | |
| 46 | | PWM | | | |
| 47 | | DIGITAL | | | |
| 48 | | DIGITAL | | | |
| 49 | | DIGITAL | | | |
| 50 | | SPI | MISO | | |
| 51 | | SPI | MOSI | | |
| 52 | | SPI | SCK | | |
| 53 | | SPI | SS | | |
| A0 | | | | | |
| A1 | | | | | |
| A2 | | | | | |
| A3 | | | | | |
| A4 | | | | | |
| A5 | | | | | |
| A6 | | | | | |
| A7 | | | | | |
| A8 | | | | | |
| A9 | | | | | |
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| A11 | | | | | |
| A12 | | | | | |
| A13 | | | | | |
| A14 | | | | | |
| A15 | | | | | |