

# Argus3 Detector PCB 40 Way pinout

| Notes      | Function       | Pin | Pin | Function          | Notes                    |
|------------|----------------|-----|-----|-------------------|--------------------------|
| NC         | 3V3            | 2   | 1   | +VE               | <10V                     |
|            | NC             | 4   | 3   | +VE               | <10V                     |
|            | DV clock       | 6   | 5   | +VE               | <10V                     |
|            | DV Blanking    | 8   | 7   | Line Sync         |                          |
|            | DV ALT F       | 10  | 9   | Comp Sync if R45  |                          |
|            | DV2            | 12  | 11  | 10V               | See Note 1               |
|            | DV4            | 14  | 13  | DV3               |                          |
|            | DV6            | 16  | 15  | DV5               |                          |
|            | DV8            | 18  | 17  | DV7               |                          |
|            | DV9            | 20  | 19  | 0V                |                          |
|            | Analogue video | 22  | 21  | 0V                |                          |
| PLD        | JTAG TMS       | 24  | 23  | NC                |                          |
| DAC SPI    | BSTDACnEN      | 26  | 25  | NTSC / PAL select |                          |
| SPI        | SPI DI         | 28  | 27  | 0V                |                          |
| PLD SPI    | IRISCONTnEN    | 30  | 29  | 0V                |                          |
| SPI        | SPI CLK        | 32  | 31  | RXD               | RS232                    |
|            | DV Field       | 34  | 33  | SPI D OUT         | SPI                      |
| RS232      | TXD            | 36  | 35  | BST FET           | NC/0V for Peltier normal |
| See Note 2 | Therm          | 38  | 37  | PLD feedback      |                          |
| See Note 1 | 5V             | 40  | 39  | Therm             | See Note 2               |

Core outputs

Input required

Input optional

**Note 1** Pin 11 joined to +ve on Fire-TICS project PCB's by fitting R66  
 This is to supply a 7805 regulator so >8V input is needed  
 5V is on pin 40, so could be supplied directly

**Note 2** A 10k NTC thermistor on the heatsink. Can be used for temperature limiting