

Table 17: Wire Colours & Signals

| Wire Color | Pin | Description | Detail |
|--------------|-----|------------------------------------|--|
| White/Black | 1 | CAN GND | Isolated reference ground for CAN signals. See <i>CAN Communications</i> . |
| Blue | 2 | Interlock-NC | Dry Contact Interlock relay: Normally closed contact. See Remote LED Installation . |
| Purple | 3 | Interlock-Common | Dry Contact Interlock relay: Common contact. See Remote LED Installation . |
| Pink | 4 | Interlock-NO | Dry Contact Interlock relay: Normally open contact. See Remote LED Installation . |
| White/Red | 5 | Battery temperature sense +ve | See <i>Battery Temperature Sensing</i> . |
| Orange | 6 | CAN High | Isolated CAN high signal. See <i>CAN Communications</i> . |
| Black | 7 | Signal Ground | Do not connect to Battery Negative. |
| Brown | 8 | For future use | Can be configured to meet various customer requirements. Contact Delta-Q Technologies for more information. |
| Yellow | 9 | IC650: unused IC900/IC1200: APO | IC650: Pin is unused IC900/IC1200: Accessory Power Output (+5VDC, 250 mA max); not isolated from the DC Output voltage domain. |
| White/Orange | 10 | CAN Low | Isolated CAN Low. See <i>CAN Communications</i> . |
| Grey | 11 | Factory port | Factory use only |
| Green | 12 | Remote LED Green +ve | For Remote LED. Pin 12 goes high with respect to Pin 13 to light the Remote LED green, and vice versa to light the Remote LED red. |
| Red | 13 | Remote LED Red +ve | |
| White | 14 | Battery temperature sense -ve | See <i>Battery Temperature Sensing</i> . |

Note: Pin 7 is the Ground reference for Pins 8, 9, and 11; also for Pins 12 and 13 in some Remote LED installations. It is electrically connected, via a low-impedance resistor/inductor circuit, to the Battery Negative terminal on the DC block.

NEVER connect Pin 7 directly to the Negative terminal of the battery, nor to the Negative terminal in the DC block.

8.5.1 Signals & Control Connector Pin Configurations

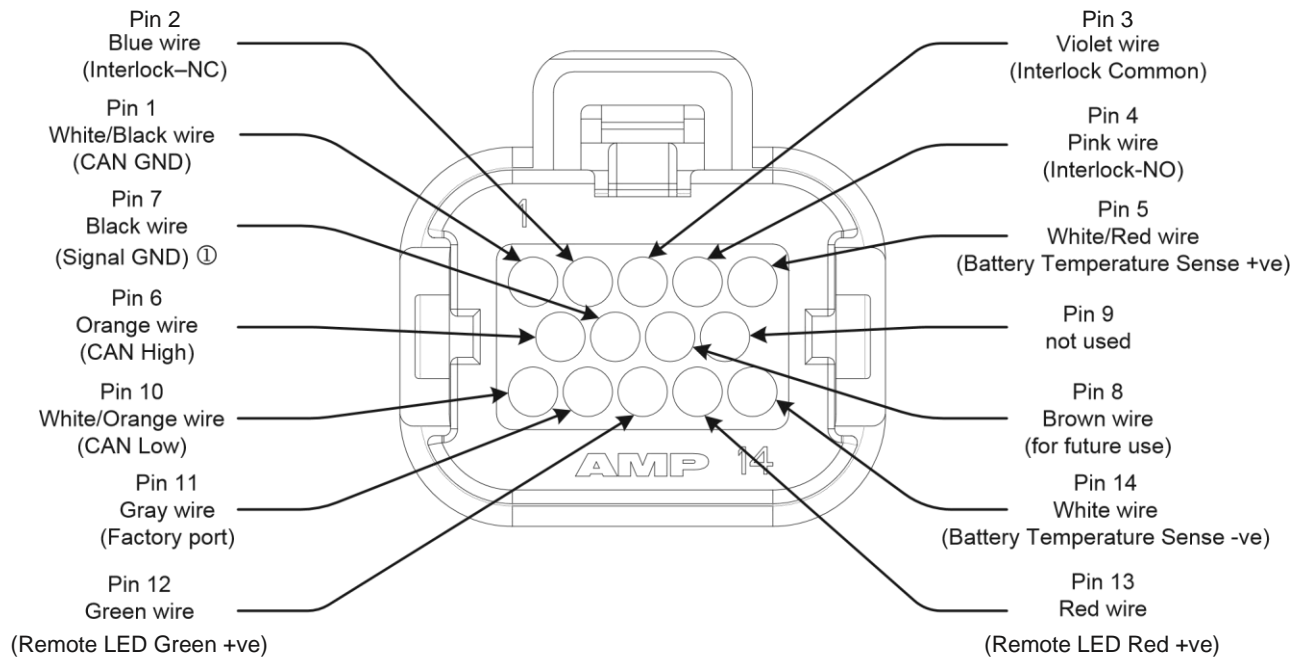


Figure 39: IC650 Signals & Control Connector: Pin Signal Reference

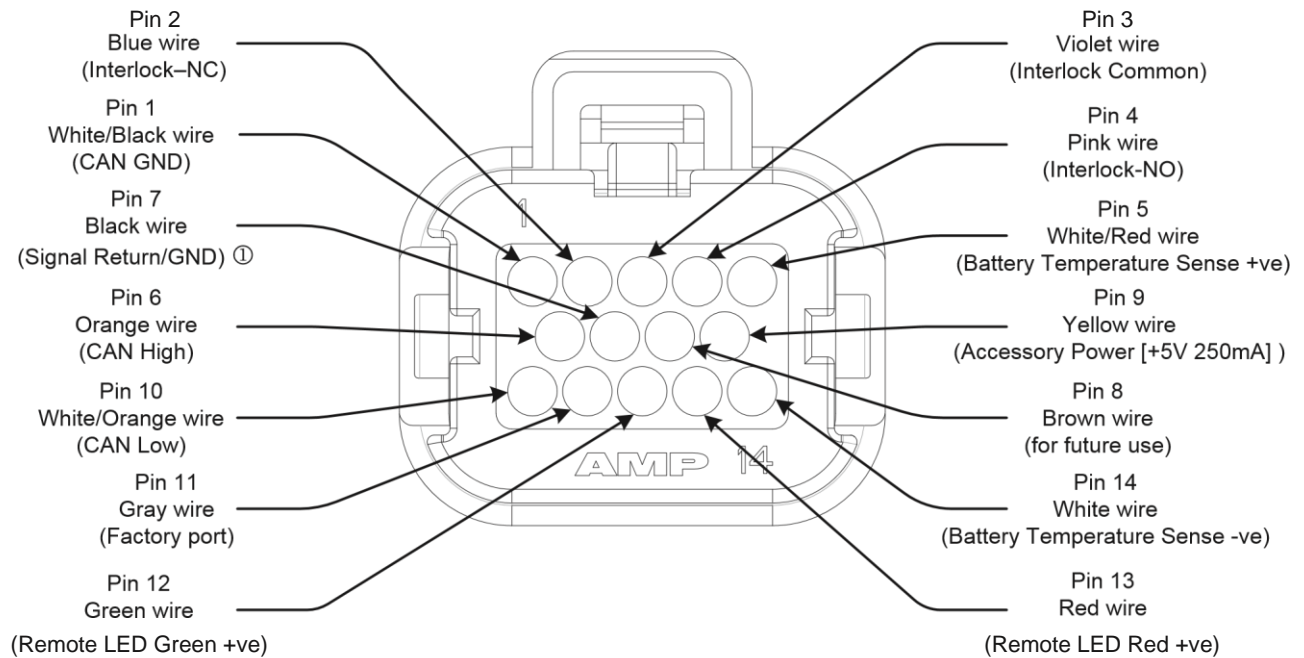


Figure 40: IC900/IC1200 Signals & Control Connector: Pin Signal Reference