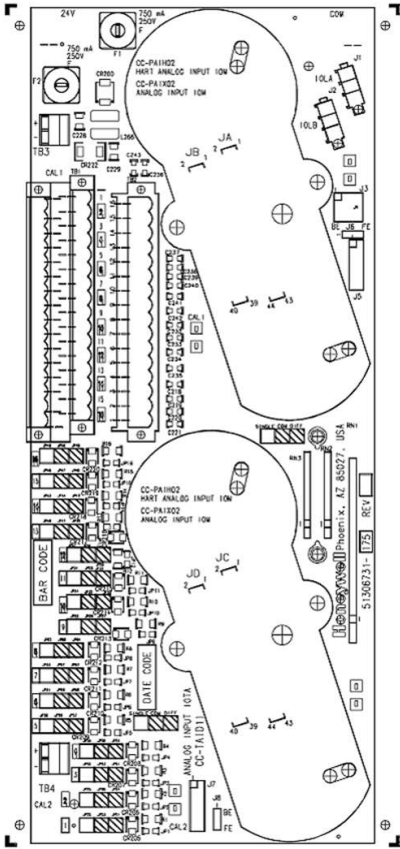


| Terminal Block 2 | | | |
|--------------------|-------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| CC-TAID11 IOTA | | | |
| If TB2 screw is... | Then, the channel is... | And the pair of jumper to be short for differential configuration | And the pair of jumper to be short for single ended configuration |
| TB2-12 | Channel 5 | JP57 - JP59 | JP58 - JP59 |
| TB2-11 | Channel 6 | JP60, JP61 ,JP66 | JP61 - JP66 |
| TB2-10 | Channel 7 | JP62, JP63,JP67 | JP63 - JP67 |
| TB2-9 | Channel 8 | JP64, JP65, JP68 | JP65 - JP68 |
| TB2-8 | Channel 9 | JP27 - JP29 | JP28 - JP29 |
| TB2-7 | Channel 10 | JP30 - JP32 | JP31 - JP32 |
| TB2-6 | Channel 11 | JP33 - JP35 | JP34 - JP35 |
| TB2-5 | Channel 12 | JP36 - JP38 | JP37 - JP38 |
| TB2-4 | Channel 13 | JP39 - JP41 | JP40 - JP41 |
| TB2-3 | Channel 14 | JP42 - JP44 | JP43 - JP44 |
| TB2-2 | Channel 15 | JP45 - JP47 | JP46 - JP47 |
| TB2-1 | Channel 16 | JP48 - JP50 | JP49 - JP50 |

The Series C Analog Input 12 inch, non-redundant IOTA is displayed in the following figure.

Table 30: Series C Differential Analog Input 12 inch, redundant IOTA



5.5 Analog Output IOTA Models CC-TAOX01, CC-TAOX11, CC-TAON01 and CC-TAON11

This Series C Analog Output IOTA board is represented by the following information and graphics.

To access the parts information for the:

- module
- IOTA
- terminal plug-in assembly, and
- fuses

associated with this board and module, refer to Analog Output in the Recommended Spare Parts section.

5.5.1 Field wiring and module protection - Analog Output module

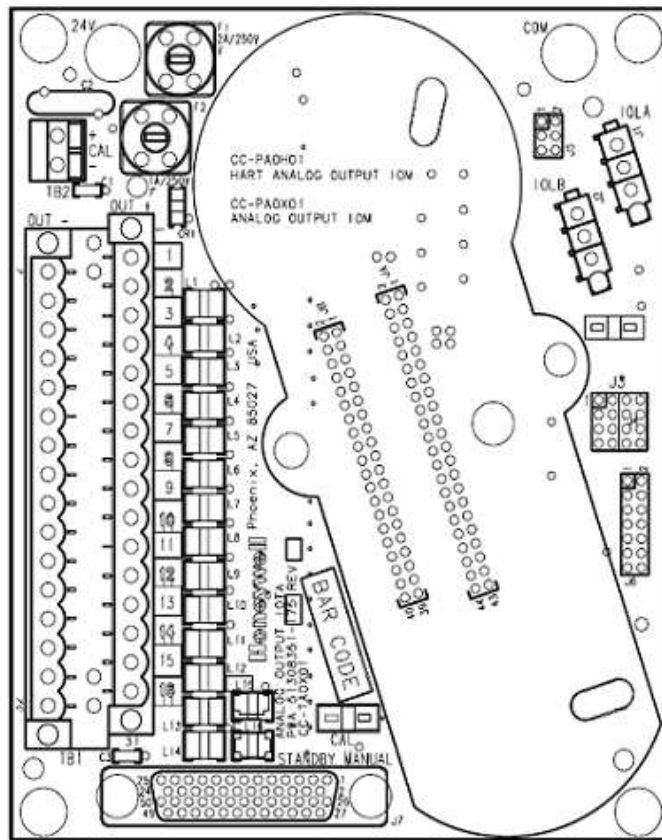
The Analog Output module provides an output current range of 0mA, and 2.9 mA through 21.1 mA based on the requested Analog Output by the Series C controller. The output current including the HART modulated signal, does not exceed 22.5mA.

- Short circuit protection of field short circuits. Protection suitable for Division 2 non-incendive / Zone 2 non-arcing.
- Each field wiring pair can be shorted together without damage to the module or IOTA. Other channels in the same module(s) will not be affected.
- A +30 Vdc source can be continuously applied across the OUT+ to OUT- terminals of the IOTA without damage to either module(s) or IOTA (i.e. with the positive lead of the source connected to OUT+ and the negative lead connected to OUT-). To prevent damage to the IOTA surge protection diodes, the current must be limited to 500 mAdc if the source is applied in the reverse polarity (i.e. with the positive lead of the source attached to OUT-, negative lead attached to OUT+). This 500 mAdc restriction does not apply in the positive polarity case.

5.5.2 IOTA board and connections - Analog Output module

Series C Analog Output 6 inch, non-redundant IOTA is displayed.

Table 31: Series C Analog Output 6 inch, non-redundant IOTA



To properly wire your module to the Series C Analog Output IOTA board with terminal block 1 (TB1), use the following table.

Table 32: AO 6 inch, non-redundant - terminal block 1

| Channel | Return screw (OUT -) | Signal screw (OUT +) |
|------------|-------------------------|-------------------------|
| Channel 1 | 2 | 1 |
| Channel 2 | 4 | 3 |
| Channel 3 | 6 | 5 |
| Channel 4 | 8 | 7 |
| Channel 5 | 10 | 9 |
| Channel 6 | 12 | 11 |
| Channel 7 | 14 | 13 |
| Channel 8 | 16 | 15 |
| Channel 9 | 18 | 17 |
| Channel 10 | 20 | 19 |
| Channel 11 | 22 | 21 |
| Channel 12 | 24 | 23 |