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Pinouts for AL600_CP1014 System I/O DB15 connector (female)

| # | DB15 | 16-pin header | Signal | Comment |
|---|---|---|---|---|
| **1** | 1 | 1 | Compressor running CC | Contacts Closed |
| **2** | 9 | 2 | Input Reference | Local GND |
| **3** | 2 | 3 | Compressor running CC | Contacts Closed |
| **4** | 10 | 4 | +24V Return | 0V |
| **5** | 3 | 5 | He Pressure Error CC | Contacts Closed |
| **6** | 11 | 6 | Isolated +24V | +24V |
| **7** | 4 | 7 | He Pressure Error CC | Contacts Closed |
| **8** | 12 | 8 | Local/Remote Toggle | True = Remote |
| **9** | 5 | 9 | He Temperature Error CC | Contacts Closed |
| **10** | 13 | 10 | Interlock | True = Inhibit |
| **11** | 6 | 11 | He Temperature Error CC | Contacts Closed |
| **12** | 14 | 12 | Local Mode Stop | True = Stop |
| **13** | 7 | 13 | No Errors CC | Contacts Closed |
| **14** | 15 | 14 | Local Mode Start | True = Start |
| **15** | 8 | 15 | No Errors CC | Contacts Closed |
| **16** | NC | 16 | NC | N/A |

Notes:

a. DB15 Inputs 12, 13, 14 and 15 accept -12V referenced to pin 9 as a True signal
b. DB15 Inputs 14 and 15 are edge sensitive (minimum signal width is 200 ms)
c. DB15 Input 13 is level sensitive

Pinouts for Agilent N5700 Programming J1 Analog Programming DB25 connector (female)

| # | DB25 | DB9 | 10-pin header | Signal | Comment |
|---|---|---|---|---|---|
| **1** | 1 | 1 | 1 | Enable + | Contacts Closed |
| **2** | 14 | 6 | 2 | Enable - | Contacts Closed |
| **3** | 2 | 2 | 3 | Chassis Common | Local GND |
| **4** | 15 | 7 | 4 | Shut Off | High-to-Low |
| **5** | 3 | 3 | 5 | Chassis Common | Local GND |
| **6** | 16 | 8 | 6 | Power Supply OK | TTL |
| **7** | 11 | 4 | 7 | Output Voltage Monitor | Analog 0 – 5V |
| **8** | 12 | 9 | 8 | Common | Analog GND |
| **9** | 24 | 5 | 9 | Output Current Monitor | Analog 0 – 5V |
| **10** | N/A | NC | 10 | N/A | N/A |

Notes:

a. DB25 Inputs 1 and 14 must be shorted to enable power supply output

b. DB25 Input 15 is edge sensitive (signal level 2.5v to 15V)

c. DB25 Input 13 is level sensitive

Pinouts for Model 336 Controller terminal block

| # | DB9 | 10-pin header | Signal | Comment |
|---|---|---|---|---|
| **1** | 1 | 1 | Relay 1 N.C. | Contact Closed |
| **2** | 6 | 2 | Relay 1 COM | Common |
| **3** | 2 | 3 | Relay 1 N.O. | Contact Open |
| **4** | 7 | 4 | N/A | N/A |
| **5** | 3 | 5 | Relay 2 N.C. | Contact Closed |
| **6** | 8 | 6 | Relay 2 COM | Common |
| **7** | 4 | 7 | Relay 2 N.O. | Contact Open |
| **8** | 9 | 8 | N/A | N/A |
| **9** | 5 | 9 | N/A | N/A |
| **10** | NC | 10 | N/A | N/A |

Notes:

a. Normally Closed (N.C.) contacts used by the ICC

b. Each Relay must be assigned to one of the Alarms (A or B) in the Off mode

Pinouts for ICC status/control DB25 connector (female)

| # | DB25 | 26-pin header | NI 9401 Signal | ICC Signal | Comment |
|---|---|---|---|---|---|
| **1** | 1 | 1 | COM | | Local GND |
| **2** | 14 | 2 | DIO0 | ILOCK ACTIVE | TTL OUT |
| **3** | 2 | 3 | NC | | N/A |
| **4** | 15 | 4 | NC | | N/A |
| **5** | 3 | 5 | COM | | Local GND |
| **6** | 16 | 6 | DIO1 | SYSTEM ERR. | TTL OUT |
| **7** | 4 | 7 | COM | | Local GND |
| **8** | 17 | 8 | DIO2 | COMP. #1 ON | TTL OUT |
| **9** | 5 | 9 | NC | | N/A |
| **10** | 18 | 10 | NC | | N/A |
| **11** | 6 | 11 | COM | | Local GND |
| **12** | 19 | 12 | DIO3 | COMP. #2 ON | TTL OUT |
| **13** | 7 | 13 | COM | | Local GND |
| **14** | 20 | 14 | DIO4 | PS #1 OK | TTL OUT |
| **15** | 8 | 15 | NC | | N/A |
| **16** | 21 | 16 | NC | | N/A |
| **17** | 9 | 17 | COM | | Local GND |
| **18** | 22 | 18 | DIO5 | PS #2 OK | TTL OUT |
| **19** | 10 | 19 | COM | | Local GND |
| **20** | 23 | 20 | DIO6 | PS #3 OK | TTL OUT |
| **21** | 11 | 21 | NC | | N/A |
| **22** | 24 | 22 | NC | | N/A |
| **23** | 12 | 23 | COM | | Local GND |
| **24** | 25 | 24 | DIO7 | SHUT DOWN | TTL IN |
| **25** | 13 | 25 | COM | | Local GND |
| **26** | NC | 26 | NC | | N/A |

Notes:

a. DB25 Inputs/Outputs correspond to NI 9401 Digital I/O module