# ICM32 REAR PANEL

J1 — POWER
J2 — LOGIC INTERFACE
J8 — EXPANSION PANEL
J7 — ETHERNET (ACT LINK)
J3 — MAIN I/O
J6 — AUXILIARY I/O
J5 — HEADPHONE
DS1 — CONFIG
J4 — MIC
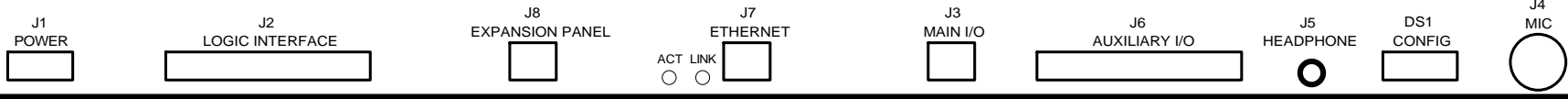
## J1

Function: +12VDC/3.0A Power input
Connector Type: 3-pin/5mm centers
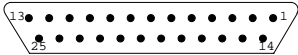          RIA CONNECT# 31330103

Mating Connector: RIA CONNECT# ASP0450399-3CS

PIN  2:    +12VDC
PINS 1 & 3: GROUND

## J2

Function: LOGIC INTERFACE
Connector Type: DB25 (Female)
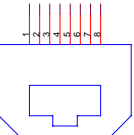
Mating Connector: DB25 (Male)

PIN 2: RELAY 1-     PIN 8:  OPTO 1-
PIN 3: RELAY 1+     PIN 9:  OPTO 1+
PIN 4: RELAY 2-     PIN 10: OPTO 2-
PIN 5: RELAY 2+     PIN 11: OPTO 2+
PIN 6: RELAY 3-     PIN 12: OPTO 3-
PIN 7: RELAY 3+     PIN 13: OPTO 3+

PIN 14: RS232 TX
PIN 15: RS232 RX
PIN 1:  RS232 GROUND

PINS 21, 23, 25: +12VDC
PINS 16, 17, 18, 19, 20, 22, & 24: GROUND

## J3

Function: MAIN I/O
Connector Type:  RJ-45

PIN 1 - AUD_IN_1+
PIN 2 - AUD_IN_1-
PIN 3 - AUD_OUT+
PIN 4 - RS485-
PIN 5 - RS485+
PIN 6 - AUD_OUT-
PIN 7 - AUD_IN_2+
PIN 8 - AUD_IN_2-

Mating Connector: RJ-45

## J4

Function: MICROPHONE
Connector Type: 3-pin XLR (Female)

PIN  1:   MIC GROUND
PIN  2:   MIC IN+
PIN  3:   MIC IN-

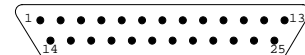Mating Connector: 3-pin XLR (Male)

## J5

Function: HEADPHONE
Connector Type: 1/4" TIP-RING-SLEEVE

TIP:      HEADPHONE LEFT
RING:     HEADPHONE RIGHT
SLEEVE:   HEADPHONE GROUND

## J6

Function: AUXILIARY I/O
Connector Type: DB25 (Male)

Mating Connector: DB25 (Female)

PIN 1: LINE IN LEFT+     PIN 14: LINE IN RIGHT+
PIN 2: LINE IN LEFT-     PIN 15: LINE IN RIGHT-
PIN 3: SHIELD            PIN 16: SHIELD

PIN 4: LINE OUT LEFT+    PIN 17: LINE OUT RIGHT+
PIN 5: LINE OUT LEFT-    PIN 18: LINE OUT RIGHT-
PIN 6: SHIELD            PIN 19: SHIELD

PIN 20: HEADPHONE LEFT
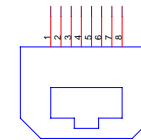PIN 21: HEADPHONE RIGHT
PIN 22: HEADPHONE GROUND

PIN 11: RS485+
PIN 12: RS485-
PIN 13: RS485 GROUND

PIN 24:     +12VDC
PINS 9 & 25: GROUND

PINS 7, 8, 10, & 23: NO CONNECT

## J7

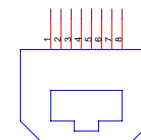Function: ETHERNET
Connector Type:  RJ-45

PIN 1 - TX+
PIN 2 - TX-
PIN 3 - RX+
PIN 4 - NO CONNECT
PIN 5 - NO CONNECT
PIN 6 - RX-
PIN 7 - NO CONNECT
PIN 8 - NO CONNECT

Mating Connector: RJ-45

ACT

| LED COLOR | FUNCTION |
| --- | --- |
| OFF | NO ACTIVITY |
| GREEN | HALF-DUPLEX |
| RED | FULL-DUPLEX |

LINK

| LED COLOR | FUNCTION |
| --- | --- |
| OFF | NO LINK |
| GREEN | 10 Mbit LINK |
| RED | 100 Mbit LINK |

## J8

Function: EXPANSION PANEL
Connector Type:  RJ-45

PIN 1 - RS485+
PIN 2 - RS485-
PIN 3 - GROUND
PIN 4 - +12VDC
PIN 5 - +12VDC
PIN 6 - GROUND
PIN 7 - AUX RS485+
PIN 8 - AUX RS485-

Mating Connector: RJ-45

## DS1

Function: CONFIGURATION

SW1 SW2 - Address:          SW5 SW6 SW7 - NOT USED (Set to OFF)
OFF OFF --> A0
ON  OFF --> A1
OFF ON  --> A2
ON  ON  --> A3             SW8
                           OFF --> Does NOT apply 48V phantom
                                   power to Rear Panel Mic
                           ON  --> Applies 48V phantom power
SW3                                to Rear Panel Mic
OFF --> Normal mode
ON  --> Factory diagnostics mode

SW4 - FUTURE USE (Set to OFF)