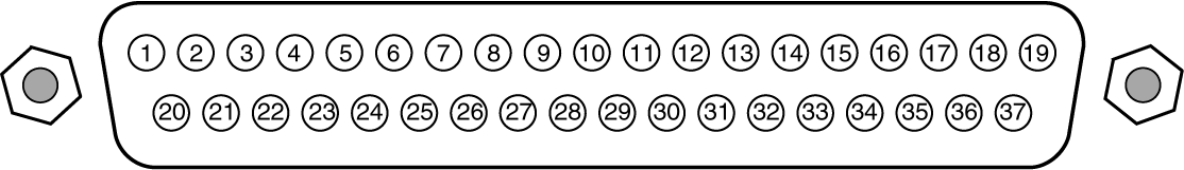
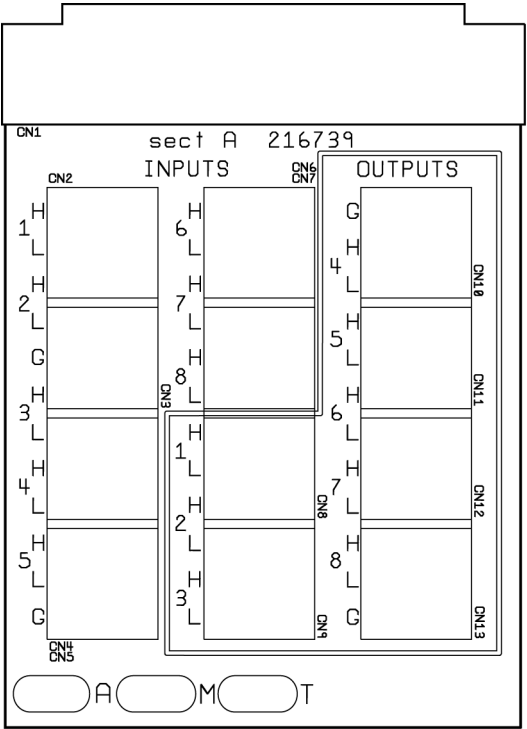


ANALOG AUDIO IN/OUT 37-pin, Male, "D" Connector For Audio Option 4A



Audio Breakout Board For Audio Option 4A

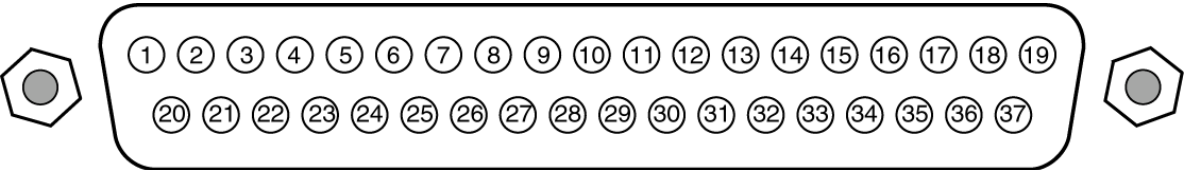


Pinouts for ANALOG AUDIO IN/OUT Connector and Audio Breakout Board

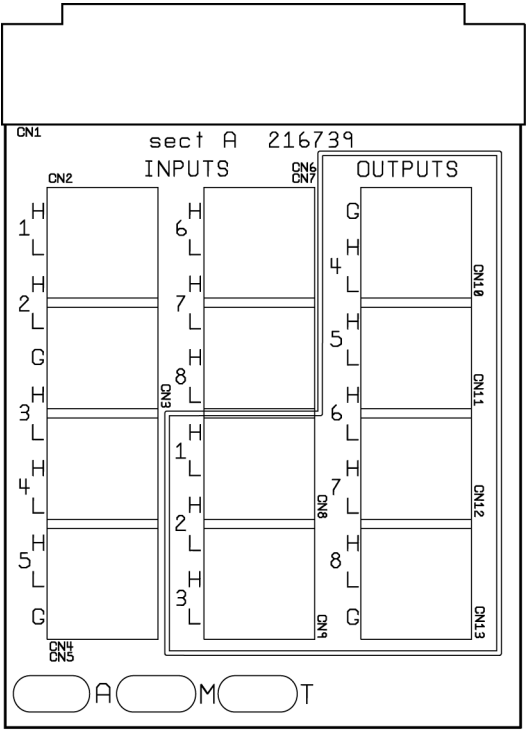
Pinout	Signal
1	Analog input 1 –
2	Analog input 2 –
3	Analog input 3 –
4	GND
5	Analog input 4 –
6	Analog input 5 –
7	Analog input 6 –
8	Analog input 7 –
9	Analog input 8 –
10	GND
11	Analog output 1 –
12	Analog output 2 –
13	Analog output 3 –
14	Analog output 4 –
15	Analog output 5 –
16	Analog output 6 –
17	N/C
18	N/C
19	GND

Pinout	Signal
20	Analog input 1 +
21	Analog input 2 +
22	Analog input 3 +
23	Analog input 4 +
24	Analog input 5 +
25	Analog input 6 +
26	GND
27	Analog input 7 +
28	Analog input 8 +
29	Analog output 1 +
30	Analog output 2 +
31	Analog output 3 +
32	Analog output 4 +
33	Analog output 5 +
34	Analog output 6 +
35	N/C
36	N/C
37	GND

ANALOG AUDIO IN/OUT 37-pin, Male, "D" Connector For Audio Option 5A



Audio Breakout Board For Audio Option 5A

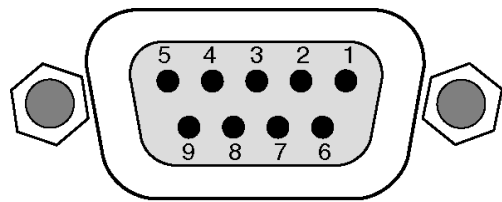


Pinouts for AUDIO OPTION 5A Connector and Audio Breakout Board

Pinout	Signal
1	Analog input 1 –
2	Analog input 2 –
3	Analog input 3 –
4	GND
5	Analog input 4 –
6	Analog input 5 –
7	Analog input 6 –
8	Analog input 7 –
9	Analog input 8 –
10	GND
11	Analog output 1 –
12	Analog output 2 –
13	Analog output 3 –
14	Analog output 4 –
15	Analog output 5 –
16	Analog output 6 –
17	Analog output 7 –
18	Analog output 8 –
19	GND

Pinout	Signal
20	Analog input 1 +
21	Analog input 2 +
22	Analog input 3 +
23	Analog input 4 +
24	Analog input 5 +
25	Analog input 6 +
26	GND
27	Analog input 7 +
28	Analog input 8 +
29	Analog output 1 +
30	Analog output 2 +
31	Analog output 3 +
32	Analog output 4 +
33	Analog output 5 +
34	Analog output 6 +
35	Analog output 7 +
36	Analog output 8 +
37	GND

RS-232/422 COMM 9-pin, Female, “D” Connector

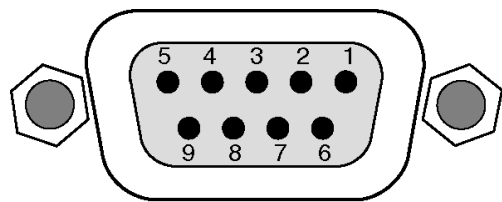


RS-232 COMM Connector Pinouts (for RS-232 and RS-422)

RS-232 Pinout	Signal
1	N.C.
2	TX
3	RX
4	N.C.
5	GND
6	N.C.
7	N.C.
8	N.C.
9	N.C.

RS-422 Pinout	Signal
1	N.C.
2	TX –
3	RX –
4	N.C.
5	GND
6	N.C.
7	TX +
8	RX +
9	N.C.

REMOTE 9-pin, Female, “D” Connector

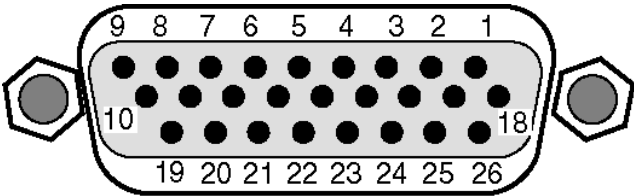


REMOTE Connector Pinouts

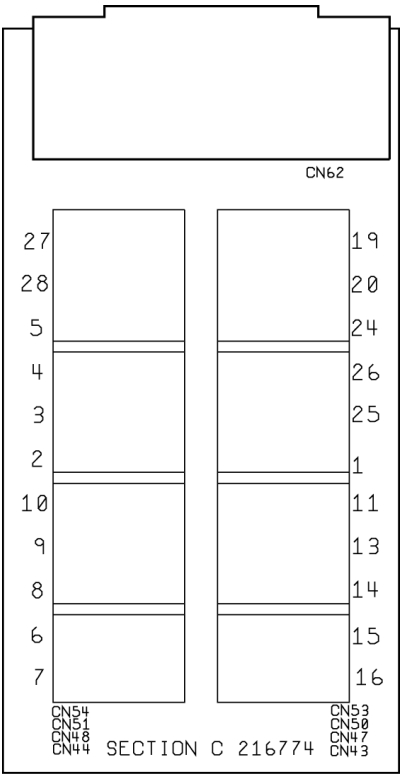
Pinout	Signal
1	N.C.
2	TX –
3	RX –
4	N.C.
5	GND

Pinout	Signal
6	N.C.
7	TX +
8	RX +
9	N.C.

GPI/TALLY, LTC/CLOCK 26-pin, Female, "D" Connector



GPI/TALLY, LTC/CLOCK Breakout Board

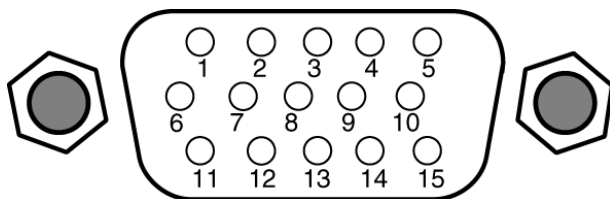


Pinouts for GPI/TALLY/LTC/CLOCK Connector and GPI/TALLY/LTC/CLOCK Breakout Board

Pinout	Signal
1	GND
2	GPI input #4 (Select input D or select Preset 4 in standard GPI set)
3	GPI input #3 (Select input C or select Preset 3 in standard GPI set)
4	GPI input #2 (Select input B or select Preset 2 in standard GPI set)
5	GPI input #1 (Select input A or select Preset 1 in standard GPI set)
6	GPI input #8 (On Air or select Preset 8 in standard GPI set)
7	GPI input #9 (Memory Sequence in standard GPI set)
8	GPI input #7 (VGA Bypass or select Preset 7 in standard GPI set)
9	GPI input #6 (Transfer captured frame or select Preset 6 in standard GPI set)
10	GPI input #5 (Capture frame or select Preset 5 in standard GPI set)
11	GND
12	Reserved
13	GPI output #1

Pinout	Signal
14	Return for GPI #1
15	GPI output #2
16	Return for GPI #2
17	Reserved
18	Reserved
19	Clock high in
20	Clock low in
21	Reserved
22	Reserved
23	Reserved
24	LTC high in
25	LTC ground
26	LTC low in

XVGA IN 15-pin, Male, “D” Connector

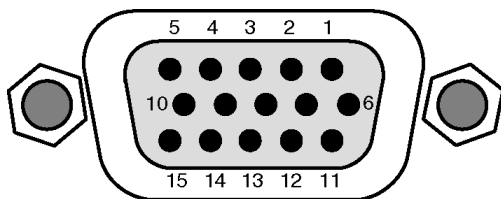


XVGA IN Connector Pinouts

Pinout	Signal
1	XVGA red input
2	XVGA green input
3	XVGA blue input
4	N.C.
5	GND
6	GND
7	GND
8	GND

Pinout	Signal
9	N.C.
10	GND
11	N.C.
12	SDA
13	XVGA horizontal sync input
14	XVGA vertical sync input
15	SCL

XVGA OUT 15-pin, Female, “D” Connector

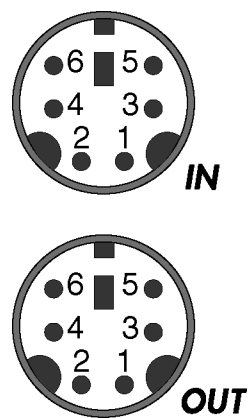


XVGA OUT Connector Pinouts

Pinout	Signal
1	XVGA red output
2	XVGA green output
3	XVGA blue output
4	N.C.
5	GND
6	GND
7	GND
8	GND

Pinout	Signal
9	N.C.
10	GND
11	N.C.
12	N.C./SDA
13	XVGA horizontal sync output
14	XVGA vertical sync output
15	N.C./SCL

KEYBOARD 6-pin, Female, Connectors

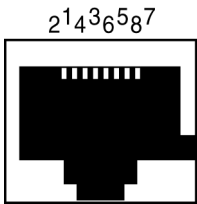


KEYBOARD Connector Pinouts

Pinout	Signal
1	Keyboard data
2	N.C.
3	GND
4	+5 V power source to keyboard
5	Keyboard Clock
6	N.C.

Pinout	Signal
1	Keyboard data
2	N.C.
3	GND
4	N.C.
5	Keyboard clock
6	N.C.

Ethernet Connector

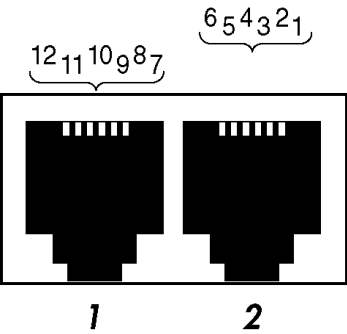


ETHERNET Connector Pinouts

Pinout	Signal
1	TX+
2	TX-
3	RX+
4	NC

Pinout	Signal
5	NC
6	RX-
7	NC
8	NC

Router Control Connector

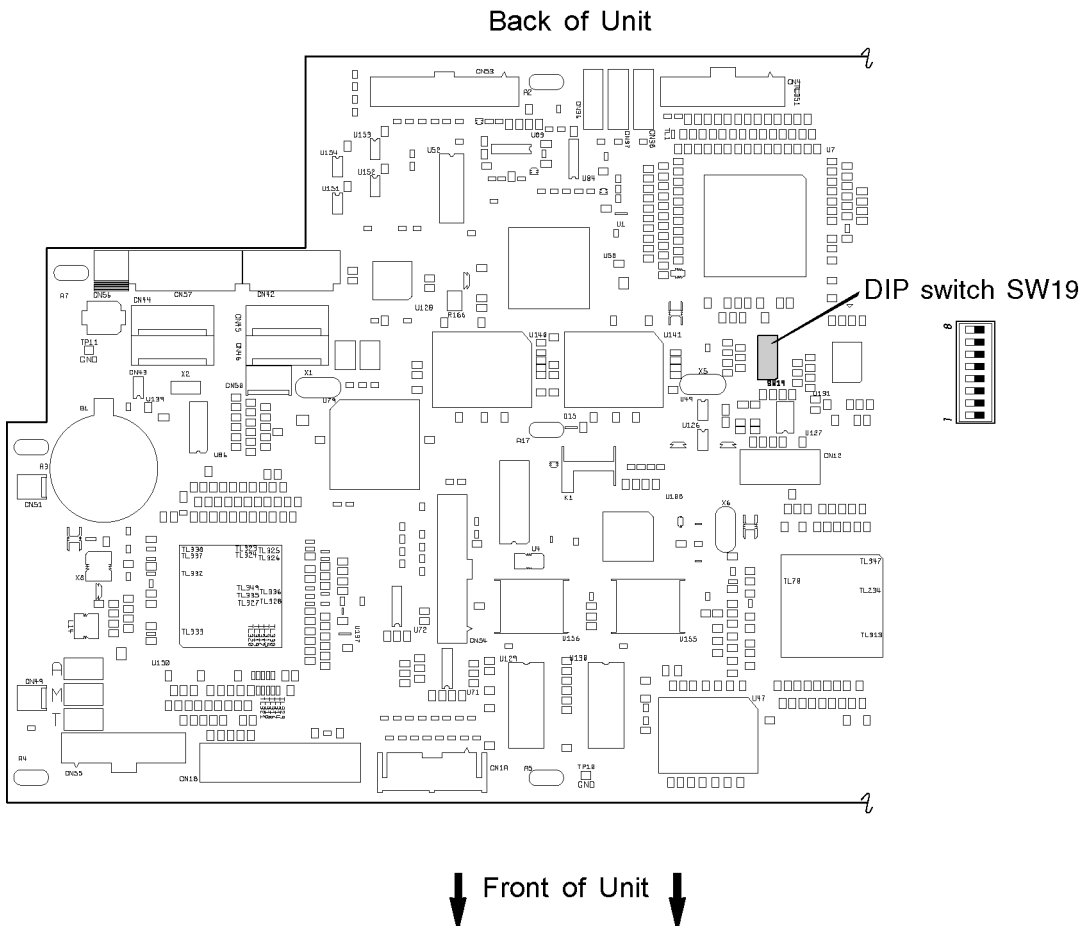


Router Control Connector Pinouts

Pinout	Signal
1	OPEN
2	OPEN
3	RX
4	TX
5	OPEN
6	OPEN
7	OPEN
8	OPEN
9	RX
10	TX
11	OPEN
12	OPEN
13	OPEN

Pinout	Signal
14	OPEN
15	RX
16	TX
17	OPEN
18	OPEN
19	OPEN
20	OPEN
21	RX
22	TX
23	OPEN
24	OPEN

Dip Switch SW19 Location



DIP Switch SW19

Position	Function	ON (+)	OFF (-)	DEFAULT
1	Cold start changes affect Ethernet IP parameters, Unit ID, Baud Rate, and Serial Port RS-232/RS-422 settings	Enable	Disable	Disable
2	Maintain factory loaded settings, and reject VFlash updates	Maintain Factory Loaded Settings	Accept VFlash Updates	Accept VFlash Updates