UTAH-400 Data Rear View
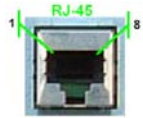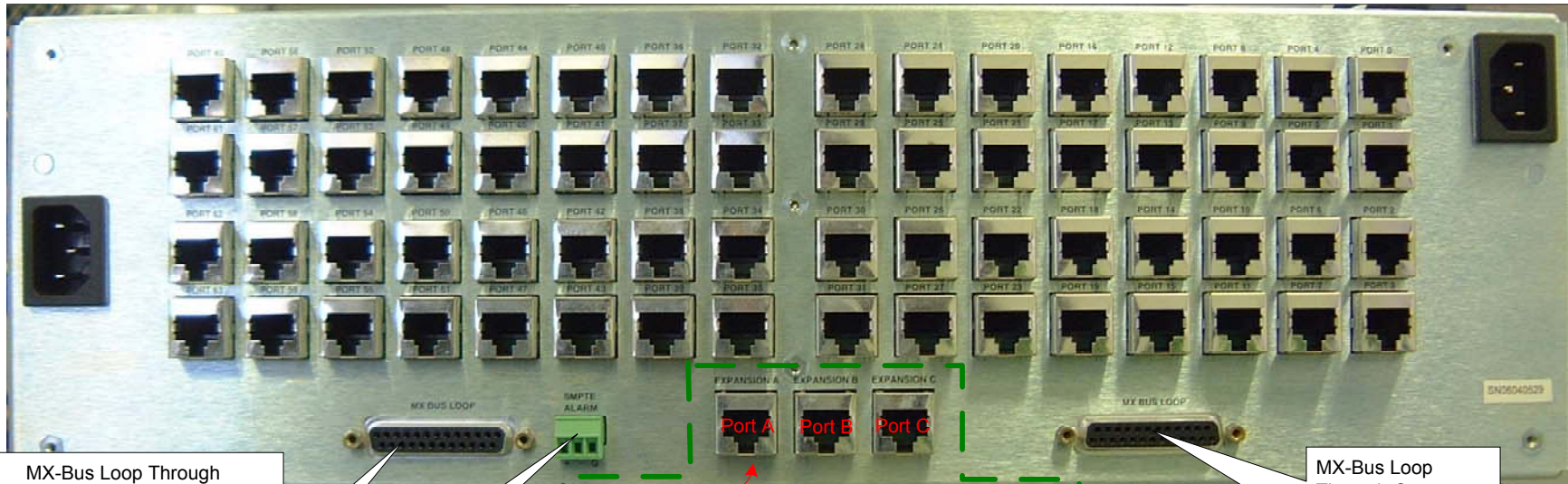
RJ-45

Serial Data Connector Pinouts
Tributary Mode
1&2 = gnd, 3 = TX Common, 4 = TX-, 5 = TX+, 6 = RX Common, 7 = RX+, 8 = RX-

Serial Data Connector Pinouts
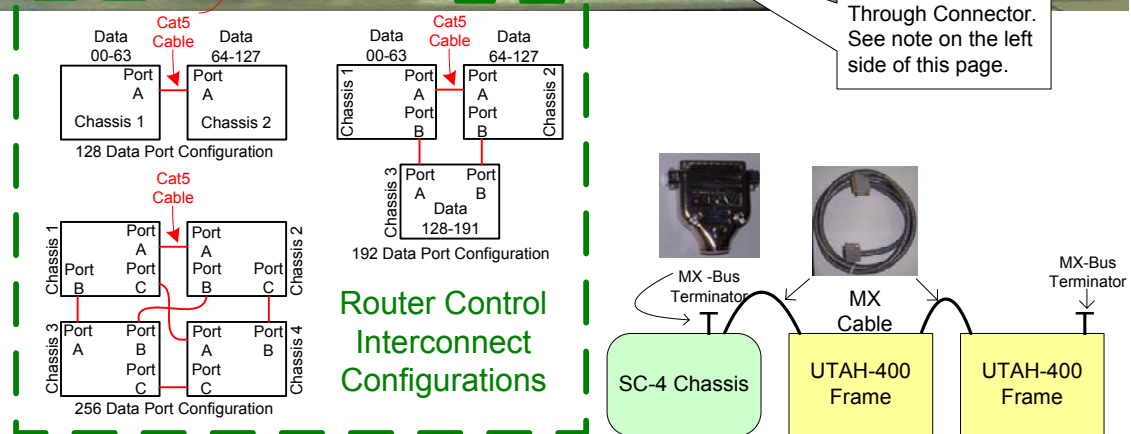**Controller Mode**
1&2 = gnd, 3 = RX Common, 4 = RX-, 5 = RX+, 6 = TX Common, 7 = TX+, 8 = TX-

MX-Bus Loop Through
Connect to one of the two MX-bus connections on the SC-4 or another router frame. Both MX ports must be terminated, either on the SC-4 or at the router chassis. Maximum length of 300 feet. See block diagram below for a typical installation.

SMPTE Alarm Relay closure indicating over temperature, power supply or fan failure

MX-Bus Loop Through Connector. See note on the left side of this page.

Cat5 Cable

Data 00-63 / Data 64-127
Port A Chassis 1 | Port A Chassis 2
128 Data Port Configuration

Data 00-63 / Data 64-127
Chassis 1 Port A Port B | Port A Port B Chassis 2
Chassis 3 Port A Port B Data 128-191
192 Data Port Configuration

Chassis 1 Port A Port B Port C | Port A Port B Port C Chassis 2
Chassis 3 Port A Port B Port C | Port A Port B Port C Chassis 4
256 Data Port Configuration

Router Control Interconnect Configurations

MX-Bus Terminator
MX Cable
MX-Bus Terminator

SC-4 Chassis | UTAH-400 Frame | UTAH-400 Frame

UTAH-400 Data Front View

RJ-45

1   8

Control Card Detail

Red = Power supply failure

Green = FPGA board Active

Flashing Green = MX Bus active / okay

Local board reset switch

Red = Fan failure

Power Supply LED's

Red = power supply or fan failure

Red=SMPTE Alarm Active

Red = "Standby" mode

Power Supply LED's

Alarm
Fan
Temp
-12
+12
+3.3
+5

+5
+3.3
+12
-12
Temp
Fan
Alarm

Secondary Control Card

Crosspoint Card

Primary Control Card

Data port activity indicator LED's

Level Assignment dipswitches

Offset Assignment dipswitches

Data port activity indicator LED's

Secondary Control Active

Programming Done

Frame A Lock

Frame B Lock

Frame C Lock

Power

Power Okay

+5V Fault

+3.3V Fault

+2.5V Fault

+1.2V Fault