

MX2820
M13 MUX
P/N 1169002L5
CLEI: MOC3WG0ATA

ADTRAN
M13 MUX
TOWER

- ACT
- ALM
- STAT → DS3
- TEST →
- STAT → DS1
- TEST →

LED STATUS FOR ACTIVE MUX

ACT	- Green - Green/Amber (Alternating) - Red - Amber - Red/Amber (Alternating) - Red (Flashing)	- Normal (All OK) - Normal and console open - Self-test failed - Software update in progress - Self-test failed and console open - Module has failed
ALM	- Green - Red - Red (Flashing)	- No critical, major, or minor alarms - Major or minor alarm in progress - Critical alarm in progress
DS3 STAT	- Green - Red - Red (Flashing) - Red (Flashing once per event)	- Normal (DS3 OK) - AIS, OOF, RAI, Idic alarms - DS3 LOS or DS3 Failure (critical) - Single/Burst DS3 code violations
DS3 TEST	- Red/Green (Alternating) - Off - Amber - Amber (Flashing)	- DS3 XCV threshold exceeded - No DS3 tests in progress - In test (locally originated) - In test (remotely originated)
DS1 STAT	- Off - Green - Red - Red (Flashing) - Red (Flashing once per event) - Red/Green (Alternating)	- All DS1s are disabled - Enabled DS1s normal (All OK) - Non-critical DS1 alarm (CAIS, LAIS) - LOS on an enabled line (critical DS1 alarm; non-critical system alarm) - Single/Burst RX DS1 code violation - DS1 XCV threshold exceeded
DS1 TEST	- Off - Amber - Amber (Flashing)	- No DS1 tests in progress - In test (locally originated) - In test (remotely originated)

LED STATUS FOR STANDBY MUX

ACT	- Green (Flashing) - Amber - Red	- Normal (All OK) - Software update in progress - Failure
ALM	Off	Permanent state during standby
DS3 STAT	- Off - Off	Normal (DS3 OK)
DS3 TEST	- Red (Flashing) - Off	- In test (remotely originated) - Permanent state during standby
DS1 STAT	- Off - Off - Red (Flashing)	- Normal (DS1s OK) - DS1 Failure
DS1 TEST	Off	Permanent state during standby

DESCRIPTION

The MX2820 M13 MUX is a plug-in unit for the MX2820 chassis that provides an M13 multiplexer function to the MX2820 system. Two MX2820 M13 MUX cards are used together to provide a redundant M13 multiplexer circuit. The MX2820 M13 MUX:

- provides 1:1 redundancy
- meets the requirements for NEBS Level 3.

INSTALLATION AND TURNUP

After unpacking the unit, inspect it for damage. If damage is found, file a claim with the carrier and then contact ADTRAN Customer Service. Refer to the *Warranty Statement* on this Job Aid. This module occupies a MUX slot in the MX2820 chassis. To install the M13 MUX in the chassis, perform the following steps:

1. Pull the ejector tab into the down position and gently but firmly push the MUX into the selected MUX slot. Simultaneous thumb pressure at the top and at the bottom of the unit will ensure a good seat of the MUX into the backplane connector.

2. Push the ejector tab up and closed against the front panel.

Upon installation, the MUX will begin a self-test. This is followed with the LEDs reflecting the true state of the hardware.

OPERATIONAL SPECIFICATIONS

- Operates from A or B -42 VDC to -56 VDC input voltage power feeds.
- Operates over extended temperature range of -40°C to +50°C without fans or -40°C to +65°C with fans.
- Storage -40°C to +85°C. Relative humidity to 95 percent, noncondensing.

COMPLIANCE

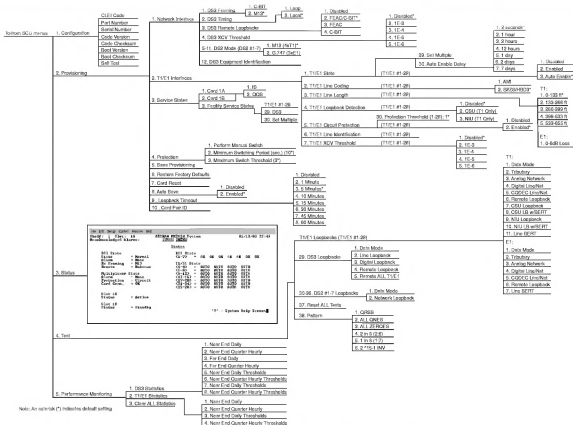
- The MX2820 M13 MUX complies with UL 60950, NEBS Level 3, and GR-1089-CORE.
- The MX2820 M13 MUX is intended for installation in restricted access areas only.
- The MX2820 M13 MUX is intended for installation in a Type "B" or "E" enclosure. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by ADTRAN could void the user's authority to operate this equipment.

Code	Input	Output
Power Code	C	C
Telecommunication Code (TC)	-	-
Installation Code (IC)	A	-

PROVISIONING

All provisioning of the MX2820 M13 MUX will be handled through the SCU. The menu tree on the reverse of this Job Aid provides the options and default settings for the MX2820 M13 MUX. NOTE: When provisioning the LS MUX, use the menu tree on this Job Aid, rather than the normal, as there are some code differences in the MX2820 Manual.





Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service.

Warranty information can be found at www.adtran.com/warranty