



## INSTALLATION INSTRUCTIONS

1. Remove the cover plate from the appropriate option slot in the ATLAS 800 Series Base Unit.
2. Slide the T3 D&I Module into the option slot until the module is firmly positioned against the front of the chassis.
3. Secure the thumbscrews at both edges of the module. Tighten with a screwdriver.
4. Connect the cables to the associated device(s).
5. Complete installation of remaining modules and Base Unit as specified in the Installation chapter of the ATLAS 800 Series System Manual.

## SPECIFICATIONS

|                               |                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------|
| <b>Temperatures:</b>          | Operation: 0°C to 45°C<br>Storage: -20°C to 70°C<br>Relative Humidity: To 95% Noncondensing |
| <b>Drop and Insert</b>        | Terminate (drop) or pass through DS1 pairs (1-2 through 27-28) to the Secondary interface   |
| <b>Line Rate:</b>             | 44.736 Mbps, ±895 bps                                                                       |
| <b>Capacity:</b>              | T3: 28 T1s; 672 DS0s                                                                        |
| <b>Line Codes:</b>            | B3ZS (Bipolar Three Zero Substitution)                                                      |
| <b>Framing:</b>               | M13 or C-bit parity                                                                         |
| <b>Tests:</b>                 | Power-up self test, line loopback, port loopback                                            |
| <b>Connectors:</b>            | BNC female - 1 receive, 1 transmit (Primary and Secondary)                                  |
| <b>Terminating Impedance:</b> | 75Ω ± 5%, unbalanced                                                                        |

## NETWORK CONNECTION PINOUT (PRIMARY)

| Name   | Description                      |
|--------|----------------------------------|
| RX IN  | Receive data from the network    |
| TX OUT | Transmit data toward the network |

## NETWORK CONNECTION PINOUT (SECONDARY)

| Name   | Description                      |
|--------|----------------------------------|
| RX IN  | Receive data from the network    |
| TX OUT | Transmit data toward the network |



# T3 D&I MODULE

P/N 1200225L1

|                                 |                 |                              |
|---------------------------------|-----------------|------------------------------|
| DS3 Info                        | Part Number     | DS1 Disposition              |
|                                 | Serial Number   | DS1s Dropped                 |
| Mux Configuration               | Board Revision  | DS1s Passed Thru             |
|                                 | DS1s Dropped    | DS1 Pair (1-2 through 27-28) |
| DS3 Alarm Status                | DS1 Framing Rev | LOS                          |
|                                 | M13 Rev         | Red                          |
| DS3 Perf (Current, 15Min, 24Hr) | Prt             | Blue                         |
|                                 | Alarms          | Yel                          |
| DS3 Configuration               | FE Alarms       | ES_L                         |
|                                 | RX Framing      | SES_L                        |
| DS3 Test                        | CBIT            | LOSS_L                       |
|                                 | M13             | CV_P                         |
| DS1 Alarm Status                | Port Name       | ES_P                         |
|                                 | CBIT            | SAS_P                        |
| DS1 DSO Status                  | Internal        | SES_P                        |
|                                 | M13             | UAS_P                        |
| DS1 DSO Alarms                  | Recovered       | Long                         |
|                                 | LBO             | Short                        |
| DS1 Sig Status                  | Prt             | None                         |
|                                 | Loopback        | Line                         |
| DS1 Perf (Current, 15Min, 24Hr) | Remote LB       | DS3 Line                     |
|                                 | Remote Status   | DS1 #1 Line                  |
| DS1 Config                      | Prt             | DS1 #2 Line                  |
|                                 | Port Name       | Red                          |
| DS1 Test                        | ESF             | Yellow                       |
|                                 | D4              | Blue                         |
| Module Alarms                   | Alarms          | ES                           |
|                                 | DS0 Alarm       | BES                          |
| Test Activity                   | Rx              | SES                          |
|                                 | Tx              | SEFS                         |
| DS3 D&I Menus                   | DS1 #28 Line    | LOFC                         |
|                                 | DS1 All Line    | CSS                          |
| Module Alarms                   | UAS             | DS1 #28 Line                 |
|                                 | PCV             | DS1 All Line                 |
| Test Activity                   | Prt             | Accept                       |
|                                 | Port Name       | Ignore                       |
| Module Alarms                   | ESF             | None                         |
|                                 | D4              | Line                         |
| Test Activity                   | On              | Payld                        |
|                                 | Off             | ATT Inband Line              |
| Module Alarms                   | ATT Inband Line | ANSI FDL Line                |
|                                 | ANSI FDL Line   | ANSI FDL Pyld                |
| Test Activity                   | Inband NIU      | None                         |
|                                 | None            | All Ones                     |
| Module Alarms                   | All Ones        | All Zeros                    |
|                                 | All Zeros       | QRSS                         |
| Test Activity                   | QRSS            | Inj                          |
|                                 | Inj             |                              |