DIGITAL TRANSMISSION SYSTEM 828AFXT DIGITAL MULTIPLEXER PARTS LIST AND ORDERING INFORMATION

1. GENERAL

- 1.01 This section is a cover sheet for Telco Systems Fiber Optics Corporation Digital Transmission System 828AFXT Digital Multiplexer Parts List and Ordering Information. This section is reproduced with permission of Telco Systems Fiber Optics Corporation and is the equivalent of Telco practice 833-102-003, Issue 1.
- 1.02 Whenever this section is reissued the reason(s) for reissue will be listed in this paragraph.
- 1.03 This section presents a parts list for the 828AFXT Digital Multiplexer, including accessories and cables.
- 1.04 If corrections are required in the attached document, use Form-3973 as described in Section 000-010-015.
- 1.05 If equipment design and/or manufacturing problems should occur, refer to Section SW 010-522-906 for procedures on filing an Engineering complaint.

2. ORDERING PROCEDURE

2.01 For information concerning equipment and parts availability contact Telco Systems, Order Administration Department, in Norwood, Massachusetts, at:

> 1-800-44-SALES 1-617-551-0300

2.02 To order additional copies of this practice, use TELC 365-407-855SW as the section number.

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TELC 365-407-855SW

3. REPAIR/RETURN

3.01 For defective modules and assemblies contact the Repair Department at the following number:

8:00 a.m. - 5:00 p.m. (617) 551-0300 - Ext./ 2778

Attachment: Telco Systems Fiber Optics Corporation
Digital Transmission System
828AFXT Digital Multiplexer
Parts List and Ordering Information

PROPRIETARY

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DIGITAL TRANSMISSION SYSTEM

828AFXT DIGITAL MULTIPLEXER PARTS LIST AND ORDERING INFORMATION
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1. SCOPE
1.01 This section presents a parts list for the 828AFXT Multiplexer, including accessories and cables. In addition, this section also provides general parts ordering information.
1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.
2. PARTS LIST
2.01 TABLE A provides ordering information for the 828AFXT multiplexer. Required ordering information for 828AFXT accessories is contained in TABLE B. Required information for ordering cables is contained in TABLE C.
3. ORDERING INFORMATION
3.01 For information concerning 828AFXT equipment and parts availability, contact Telco Systems, Order Administration Department, in Norwood, Massachusetts at:
1-800-44-SALES 1-617-551-0300
3.02 A valid Purchase Order Number must be provided at the time the order is placed.
3.03 Alternatively, a Telco Systems Telephone Equipment Order form (see Figure 3-1) accompanied by a valid Purchase Order Number can be sent to the Order Administration Department
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SECTION 833-102-003
TABLE A. 828AFXT Multiplexer Assembly and Part Number List
PART NUMBER PART DESCRIPTION QUANTITY REQUIRED
ACX026G5 Cage Assembly 1
Power Supply Module (-48 Vdc) 2 PSX016-4 -48 Vdc
CCA120G1E High-Speed Common Card 2 (1 for unprotected)

Control MPU Card 1
CCA162G21E Interfaces with the TELTRAC system

XCVR (Transceiver) Cards

CCA121G1E XCVR Card, SM, -9.0 dBm, Laser (1 for unprotected)

CCA121G4E XCVR Card, MM 0 dBm, Laser CCA121G11E XCVR Card, SM, -24.0 dBm, LED CCA121G3E XCVR Card, SM -3.0 dBm, Laser

LS INTER T1 Cards Up to CCA099G1E Configures T1 AIS to be All 1s CCA161G2E B8ZS/AMI Switch Selectable

Fuse and Alarm Panel (-48 Vdc \$1\$ per 6 828AFs, ACX043G1 \$-48\$ Vdc \$ or 1 per 7-foot

rack

Preemphasis/Buildout Networks 1 per (Cable length to DSX-1) LS INTER T1 card

None Required T1 0 - 100 feet CCA062G1 T1 101 - 350 feet CCA062G2 T1 351 - 655 feet

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SECTION 833-102-003

TABLE B. 828AFXT Equipment Accessories

PART NUMBER PART DESCRIPTION QUANTITY REQUIRED

AXX072G1 Maintenance Kit (-48 Vdc) As Required (with Maintenance Interface card)

AXX072G6 Maintenance Kit (-48 Vdc) (without Maintenance Interface card)

CCA058G1E Maintenance Interface Card (Note 1) (included in the Maintenance Kit)

CCA158G1E Remote Alarm Card (RAC-II) (Note 2)

CCA008G1 Manual Control Interface Card (Note 3)

CCA176G1 T1 Monitor Card (Note 4)

AXX004G1 (-48 Vdc) Fuse and Relay Kit (spare)

AXX067G1 CEV Conversion Kit (contains the BNC bracket and Cable Support)

AXX068G1 CEV Shelf Kit (contains the CEV Shelf)

FA0488-1 Air Baffle (to be installed in rack every three units stacked, as required)

Relay Racks
FAR004-3 7-feet x 23-inches
FAR004-7 9-feet x 23-inches
FAR004-12 11.5-feet x 23-inches

Functionality:

Note 1: Module capable of testing or replacing T1 or T1C low-speed cards. Note 2: Module performs TELTRAC communication, DS-3 X-bit bridging, eight alarm points, eight contact closures. Note 3: This module is not designed for extended temperature conditions. Module performs LED test, low-speed loopback, high-speed BER (Bit Error Rate) reporting.

Note 4: This module is not designed for extended conditions. Module is capable of monitoring and bridging T1 or T1C low-speed signals.

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SECTION 833-102-003

TABLE B. 828AFXT Equipment Accessories (Cont.)

PART NUMBER PART DESCRIPTION QUANTITY REQUIRED

FO (Fiber-Optic) Attenuators As Required

0SF011 BIC Attenuator, SM, 5 dB 0SF012 BIC Attenuator, SM, 10 dB 0SF013 BIC SM, 15 dB 0SF014 BIC Attenuator, SM, 20 dB

FO Entrance Panels

ACX003G1 FO Interface Panel, BIC*

AXX003G1 FO Connector Interface, SM/BIC*

DSX-1 Panels

0SX002 DSX-1 Panel, 56 CKT, 23", BANTAM 0SX003 DSX-1 Panel, 25 CKT, 23", 310 0SX021 DSX-1 Panel, 28 CKT, 23", 310

HTB013-1 Wire-Wrap Blocks

Wire-wrap block (segmented into four 10 x 5 pins) with a 50-pin Amphenol connector interface (male)

* BIC (Biconical Optical Connector)

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SECTION 833-102-003

TABLE C. 828AFXT Equipment Cables

PART NUMBER PART DESCRIPTION QUANTITY

Ribbon Cables As required

AWX104G1 Mux-to-Mux

AWX104G5 Mux-to-Fuse and Alarm Panel

DC Power Cables (Wire Harness)

AWX182G1 Fuse and Alarm Panel to MUX 1
AWX182G2 Fuse and Alarm Panel to MUX 2
AWX182G3 Fuse and Alarm Panel to MUX 3
AWX182G4 Fuse and Alarm Panel to MUX 4
AWX182G5 Fuse and Alarm Panel to MUX 5
AWX182G6 Fuse and Alarm Panel to MUX 6

ACX043 Fuse and Alarm Panel Cables

AWX182G* Power Cable Harness from Fuse and Alarm Panel to Mux

AWX181G* RAC-II: 82SA/828AF (J7) to Fuse and Alarm Panel (J4)

AWX184G* RAC-II: 828A/828AF (J7) to 50-pin Amphenol connector (female) to interconnect to connectorized wire-wrap block HTB013-1

AWX185G* RAC-II: Extension cable from AWX184G* to customer supplied wire-wrap pin block (bare wires)

AWX104G5 Ribbon cable from 828A/828AF (J1) to Fuse and Alarm Panel (J3)

* G number indicates length of cable, which can be ordered in lengths of 6, 12, 18, 24, 30, 36, 48, and 60 feet.

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SECTION 833-102-003

TABLE C. 828AFXT Equipment Cables (Cont.)

PART NUMBER PART DESCRIPTION QUANTITY

TELTRAC Cables As required

AWX105G* Connect Fuse and Alarm Panels (ACX043) (modular-to-modular connectors)

AWX126G1 Three-foot patch cable to connect Fuse and Alarm Panel (ACX043) to TELTRAC cable (modular-to-female Sub D)

AWX126G2 Three-foot patch cable to connect Fuse and Alarm Panel (ACX043) to TELTRAC cable (modular-to-male Sub D)

AWX071G** Connect TELTRAC patch cable to TELTRAC system (male Sub D-to-male Sub D)

AWX181G* Connect RAC-II card communication via 828AFXT backplane (J7) to ACX043G1 Fuse and Alarm panel.

- * G number indicates length of cable, which can be ordered in lengths of 6, 12, 18, 24, 30, 36, 48, and 60 feet.
- ** G number indicates length of cable, which can be ordered in lengths of 5-foot increments up to 75 feet.(Example: AWX071G5 is five feet.)

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SECTION 833-102-003

TABLE C. 828AFXT Equipment Cables (Cont.)

PART NUMBER PART DESCRIPTION QUANTITY

Optical Patch Cords, BC-BC Single-Mode, Extended Temperature

AWX107-1 3.0 Meters (9.84 Ft.) AWX107-2 5.0 Meters (16.4 Ft.)

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10.0 Meters (32.81 Ft.)
AWX107-3
             15.0 Meters (49.21 Ft.)
AWX107-4
             20.0 Meters (65.62 Ft.)
AWX107-5
AWX107-6
             25.0 Meters (82.02 Ft.)
AWX107-7
             30.0 Meters (98.42 Ft.)
       Optical Patch Cords, BC-BC
       Multimode, Extended Temperature
AWX108-1
             3.0 Meters (9.84 Ft.)
AWX108-2
             5.0 Meters (16.40 Ft.)
AWX108-3
             10.0 Meters (32.81 Ft.)
             15.0 Meters (49.21 Ft.)
AWX108-4
AWX108-5
             20.0 Meters (65.62 Ft.)
             25.0 Meters (82.02 Ft.)
AWX108-6
             30.0 Meters (98.42 Ft.)
AWX108-7
        Miscellaneous Cable
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0SC001 T-1 Cable, 30 Pair, 22GA, Solid

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SECTION 833-102-003

Telephone Equipment Order

TELCO PURCHASE ORDER NO.

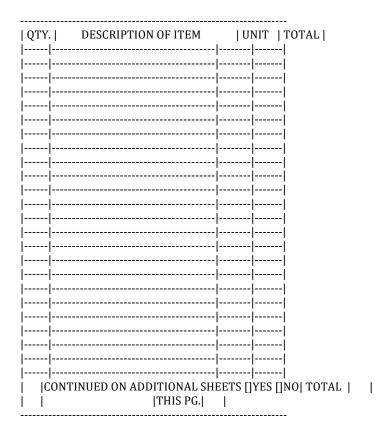


Figure 3-1. Telco Systems Telephone Equipment Order Form