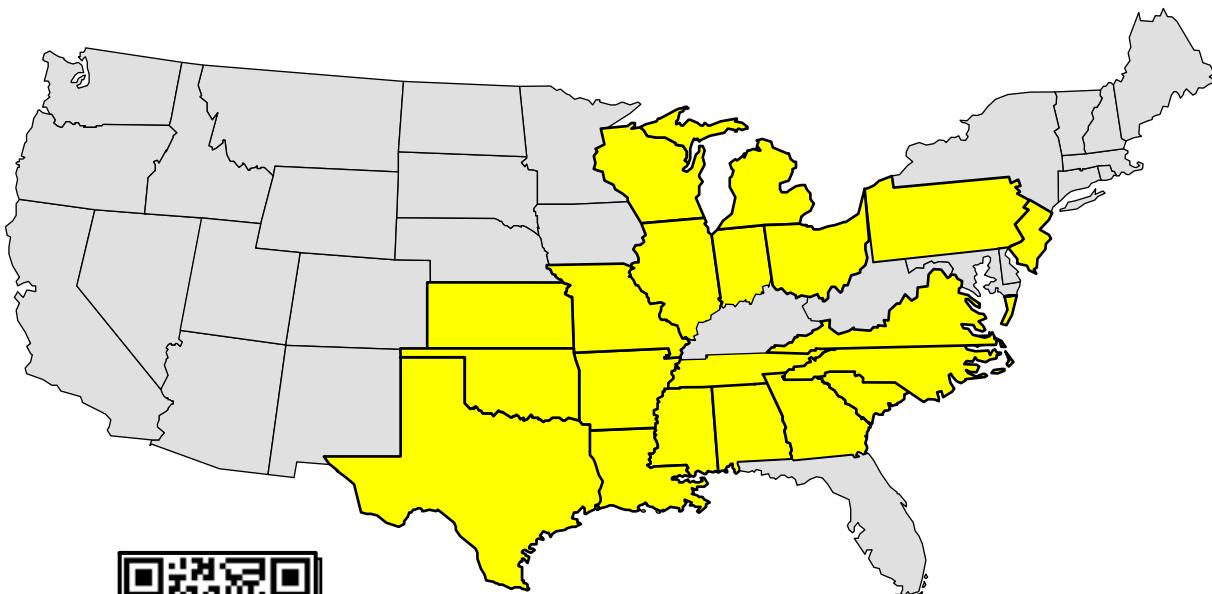


# Brightspeed

## 2026 Product Ordering Guide

Issue 1.0



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## TAG INC.

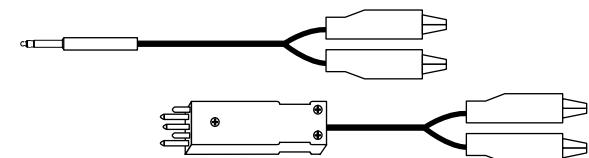
Telecom Assistance Group, Inc.  
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*The "Cord Company" and more . . .*

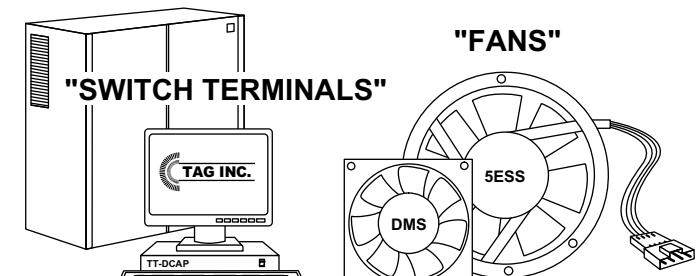
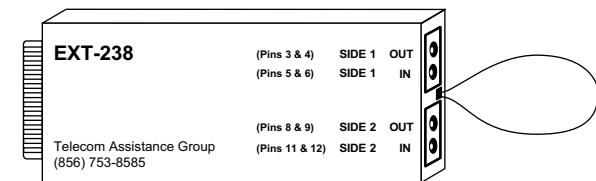
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**856-753-8585**

### "TEST CORDS & ADAPTERS"



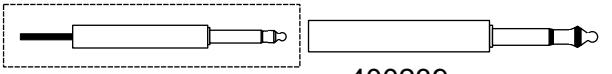
### "TEST CARDS, T1 REPEATERS & EXTENDERS"



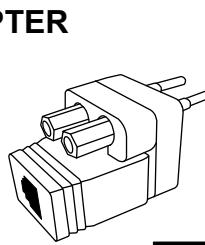
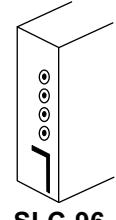
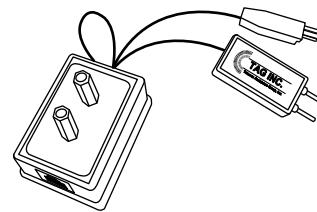
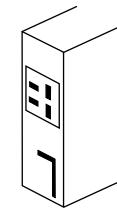
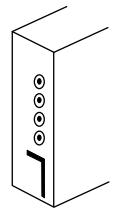
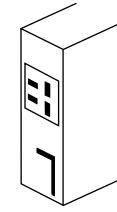
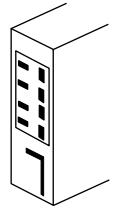
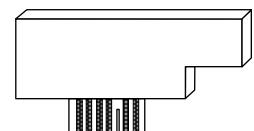
### "NEBS CERTIFIED SOLID STATE SCSI DRIVES"



- DCO
- EWSD
- 5ESS
- DMS-100
- & MORE

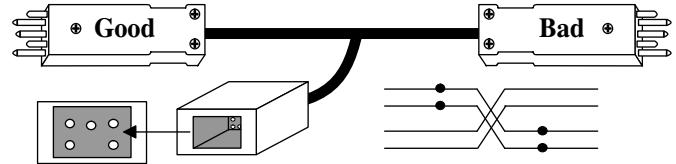
| FEATURES / APPLICATION   | PART #                                     | DESCRIPTION  |
|--|--|--|
| <b>Bantam to (2) Alligator Clips, (2')</b><br><b>Bantam to (2) Alligator Clips, (6')</b> | <b>ST400210A-02</b><br><b>ST400210A-06</b> | <b>BANTAM to ALLIGATOR CLIPS</b><br><br> <ul style="list-style-type: none"><li>Access to various connectors, bare cable</li></ul>               |
|  |  | <b>2'</b> <b>MAT # 1157471</b><br><b>6'</b> <b>MAT # 1157472</b>   |
| <b>310 to (2) Alligator Clips, (6')</b>  | <b>ST400310A-06</b>                        | <b>310 to ALLIGATOR CLIPS</b><br><br> <ul style="list-style-type: none"><li>Access to various connectors, bare cable</li></ul>                  |
|  |  | <b>MAT # 1157464</b>   |
| <b>310 to 310, (6')</b>  | <b>400310</b>                              | <b>310 to 310</b><br><br> <ul style="list-style-type: none"><li>General purpose test/patch cord</li><li>Available in various lengths</li></ul> |
|  |  | <b>MAT # 1157468</b>   |
| <b>Bantam to 310 Conversion Plug</b>   | <b>400239</b>                              | <b>BANTAM TO 310 CONVERSION PLUG</b><br><br><br><b>BANTAM</b><br><b>400239</b>  |
|  |  | <b>MAT # 1157438</b>   |

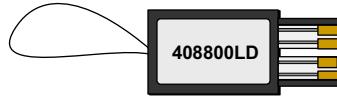
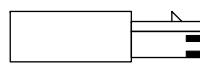
| FEATURES / APPLICATION   | PART #                             | DESCRIPTION  |
|--|------------------------------------|--|
| <b>Bantam to Bantam - Black, (6')</b><br><b>Bantam to Bantam - Red, (6')</b> <ul style="list-style-type: none"> <li>• Patching or Test Set Application</li> <li>• Red/Black colors for Transmit/Receive</li> </ul> | <b>400210BK</b><br><b>400210RD</b> | <b>BANTAM to BANTAM</b><br><b>BANTAM to BANTAM</b><br> <div style="display: flex; justify-content: space-around; align-items: center;"> <span>BLACK</span> <span>RED</span> <div style="display: flex; align-items: center;"> <span style="margin-right: 10px;">MAT # 1157483</span> <span style="margin-right: 10px;">MAT # 1157482</span> </div> </div> |
| <b>Bantam Looping Plug</b>   | <b>400210LP</b>                    | <b>BANTAM LOOPING PLUG</b><br>  |
|  |                                    | <b>MAT # 1157492</b>   |
| <b>Bantam to Wire Wraps, (6')</b>  | <b>400210WP</b>                    | <b>BANTAM to WIRE WRAPS</b><br>  |
|  |                                    | <b>MAT # 1102718</b>   |
| <b>Wire Wraps to Mini Alligator Clips, (1')</b>  | <b>400200MA-01</b>                 | <b>WIRE WRAPS to MINI ALLIGATOR CLIPS</b><br>   |
|  |                                    | <b>MAT # 1157487</b>   |

| FEATURES / APPLICATION              | PART #           | DESCRIPTION  |
|-------------------------------------|------------------|--|
| <b>SLC-96 Line Adapter</b>          | <b>400396-2M</b> | <b>SLC-96 LINE ADAPTER</b><br><br><br><b>SLC-96</b><br><b>MAT # 1157437</b>  |
| "The SLICK CORD", (2')              | 4003956          | <b>"SLICK CORD"</b><br><br><br><br><b>Series 5    SLC-96</b><br><b>MAT # 1157496</b>                |
| <b>SLC Series 5 Test Cord, (1')</b> | <b>400395-2</b>  | <b>SLC SERIES 5 TEST CORD</b><br><br><br><br><b>Series 5    SLC 2000</b><br><b>MAT # 1157500</b> |
| <b>SLC-96 Looping Plug</b>          | <b>400396L</b>   | <b>SLC-96 LOOPING PLUG</b><br><br><b>MAT # 1157501</b>  |

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Page 4

| FEATURES / APPLICATION   | PART #                                     | DESCRIPTION  |
|--|--|--|
| <b>463A Plug to Alligator Clips, (2')</b><br><b>463A Plug to Alligator Clips, (6')</b><br><ul style="list-style-type: none"> <li>• Long pins wired to Alligator clips</li> <li>• Non-bridging - Flip to look both ways 463A type plug (protector) to alligator clips</li> <li>• Similar to W2GL</li> </ul> | <b>ST400300S-02</b><br><b>ST400300S-06</b> | <b>463A PLUG to ALLIGATOR CLIPS</b><br><br><b>2'</b> <b>MAT # 1157465</b><br><b>6'</b> <b>MAT # 1157466</b> |
| <b>Protector to Protector "Frogger" with "In Line Protection", (20')</b><br><ul style="list-style-type: none"> <li>• Frogger with In-Line Protection</li> <li>• Ideal for quick temporary restoral with "protection"</li> </ul>  | <b>400300FP</b>                            | <b>"FROGGER" w/ IN-LINE PROTECTION</b><br><br><b>MAT # 1157486</b>  |
| <b>Protector to (4) Alligator Clips, (8')</b><br><ul style="list-style-type: none"> <li>• Access at (coils) both cable and equipment</li> </ul>  | <b>400300S-4</b>                           | <b>PROTECTOR to (4) ALLIGATOR CLIPS</b><br><br><b>MAT # 1157485</b>                                       |
| <b>526A plug to Alligator Clips, (2')</b><br><ul style="list-style-type: none"> <li>• Monitor access to Protectors via test points without pulling Protector</li> <li>• Equivalent to P2FL</li> </ul>  | <b>400526A-02</b>                          | <b>526A PLUG to ALLIGATOR CLIPS</b><br><br><b>MAT # 1157469</b>   |

| FEATURES / APPLICATION  | PART #     | DESCRIPTION   |
|---|------------|---|
| <b>Dual Push Pins (310 MDF) to Alligator Clips, (3')</b><br><br><ul style="list-style-type: none"> <li>Used to short the tip and ring or to ground the tip and/or ring</li> <li>Plugs to recessed terminals on 310 series connectors</li> <li>Equivalent to P2FM</li> </ul> | 400426     | <b>DUAL PUSH PINS to ALLIGATOR CLIPS</b><br><br><br><b>MAT # 1157484</b> |
| <b>453A plug to Alligator Clips, (3')</b><br><br><ul style="list-style-type: none"> <li>Used to short the tip and ring or to ground the tip and/or ring</li> <li>Plugs to recessed terminals on 300 series connectors (except 310)</li> <li>Equivalent to P2EF</li> </ul>   | 400430     | <b>453A PLUG to ALLIGATOR CLIPS</b><br><br><br><b>MAT # 1157481</b>      |
| <b>Bantam to 800 DSX, (6')</b><br><br><ul style="list-style-type: none"> <li>Test equipment access to 800 DSX</li> </ul>  | 408210     | <b>BANTAM to 800 DSX</b><br><br><br><b>MAT # 1157181</b>                 |
| <b>310 to 800 DSX, (12')</b><br><br><ul style="list-style-type: none"> <li>Test equipment access to 800 DSX</li> </ul>  | 408310-12  | <b>310 to 800 DSX</b><br><br><br><b>MAT # 1183104</b>                   |
| <b>800 DSX Looping Plug</b><br><br><ul style="list-style-type: none"> <li>Loops both directions</li> </ul>  | 408800LD   | <b>800 DSX LOOPING PLUG</b><br><br><br><b>MAT # 1157470</b>            |
| <b>800 DSX Terminating Plug</b><br><br><ul style="list-style-type: none"> <li>Available in 100 ohm</li> </ul>   | 408800TP-1 | <b>800 DSX TERMINATING PLUG</b><br><br><br><b>MAT # 1335085</b>        |

| FEATURES / APPLICATION   | PART #             | DESCRIPTION  |
|--|--------------------|--|
| <b>Mueller Clip 25C to Mueller Clip 25C, (25')</b><br><br><ul style="list-style-type: none"> <li>• Retractable "coil" cord used with 188A test set</li> <li>• Equivalent to W1BU-3</li> </ul>  | T-W1BU-3           | <b>MUELLER CLIP to MUELLER CLIP</b><br><br><br><b>MAT # 1157494</b>                                     |
| <b>DB 9 Pin (male) to DB 9 Pin (female), (6')</b><br><br><ul style="list-style-type: none"> <li>• Commonly used from Laptop to test at HDSL circuits</li> <li>• Wired straight</li> </ul>  | 400720             | <b>9 PIN (male) to 9 PIN (female)</b><br><br><br><b>MAT # 1157473</b>                                   |
| <b>15 Pin (female) to LIU connector, (8')</b><br><br><b>15 Pin (male) to LIU connector, (8')</b><br><br><ul style="list-style-type: none"> <li>• Connects Power Panel to LIU for test jack access</li> <li>• Available in various lengths</li> </ul> | 400442F<br>400442M | <b>15 PIN to LIU</b><br><br><br><b>400442F</b> <b>400442M</b> <b>MAT # 1157180</b> <b>MAT # 1157467</b> |
| <b>Protected Test Probe w/ LED</b><br><br><ul style="list-style-type: none"> <li>• Used for testing continuity</li> <li>• Built in light for connection verification and fuse for protection</li> </ul>  | P-2000             | <b>PROTECTED TEST PROBE W/ LED</b><br><br><br><b>MAT # 1157493</b>                                    |
| <b>Pin Plug to Alligator Clip, (6')</b><br><br><ul style="list-style-type: none"> <li>• Generally used for grounding</li> </ul>  | 400409             | <b>PIN PLUG to ALLIGATOR CLIP</b><br><br><br><b>MAT # 1157476</b>                                     |

| FEATURES / APPLICATION  | PART #           | DESCRIPTION   |
|---|------------------|---|
| <b>440A to 440A - Red, (8')</b> <ul style="list-style-type: none"><li>• Coax Patch/Test Cord</li><li>• Available in various lengths</li></ul>   | <b>400440ARD</b> | <b>440A to 440A</b><br><br><b>MAT # 1157479</b>  |
| <b>440A to 440A - Black, (8')</b> <ul style="list-style-type: none"><li>• Coax Patch/Test Cord</li><li>• Available in various lengths</li></ul> | <b>400440ABK</b> | <b>440A to 440A</b><br><br><b>MAT # 1157477</b>  |
| <b>440A to BNC - Red, (8')</b> <ul style="list-style-type: none"><li>• Coax Patch/Test Cord</li><li>• Available in various lengths</li></ul>    | <b>400440BRD</b> | <b>440A to BNC</b><br><br><b>MAT # 1157480</b>   |
| <b>440A to BNC - Black, (8')</b> <ul style="list-style-type: none"><li>• Coax Patch/Test Cord</li><li>• Available in various lengths</li></ul>  | <b>400440BBK</b> | <b>440A to BNC</b><br><br><b>MAT # 1157478</b> |

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| FEATURES / APPLICATION  | PART #   | DESCRIPTION   |
|---|----------|---|
| <b>Universal Carrying Case</b> <ul style="list-style-type: none"> <li>Small Carrying Case</li> <li>Approx. Dimensions: 5" (H) x 16" (L)</li> </ul>                      | 600209   | <br><b>UNIVERSAL CARRYING CASE</b><br><b>MAT # 1157463</b>   |
| <b>Universal Carrying Case</b> <ul style="list-style-type: none"> <li>Medium Carrying Case</li> <li>Approx. Dimensions: 9" (H) x 16" (L)</li> </ul>                     | 600209N  | <br><b>UNIVERSAL CARRYING CASE</b><br><b>MAT # 1157177</b>   |
| <b>8 Pouch Carrying Case</b> <ul style="list-style-type: none"> <li>Test Cord Carrying Case</li> <li>Approx. Dimensions: 12" (H) x 15" (L)</li> </ul>                   | TCC-001P | <br><b>8 POUCH CARRYING CASE</b><br><b>MAT # 1157462</b>     |
| <b>Universal Carrying Case</b> <ul style="list-style-type: none"> <li>Large Carrying Case</li> <li>Approx. Dimensions: 13" (H) x 20" (L)</li> </ul>                     | 600209F  | <br><b>UNIVERSAL CARRYING CASE</b><br><b>MAT # 1157461</b>  |
| <b>Universal Carrying Case</b> <ul style="list-style-type: none"> <li>Extra Large Carrying Case</li> <li>Approx. Dimensions: 16.25" (H) x 20" (L) x 7.5" (D)</li> </ul> | 600209XL | <br><b>UNIVERSAL CARRYING CASE</b><br><b>MAT # 1157460</b> |

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W. Berlin, NJ 08091

**Telephone: (856) 753-8585**  
**Fax: (856) 768-7645**

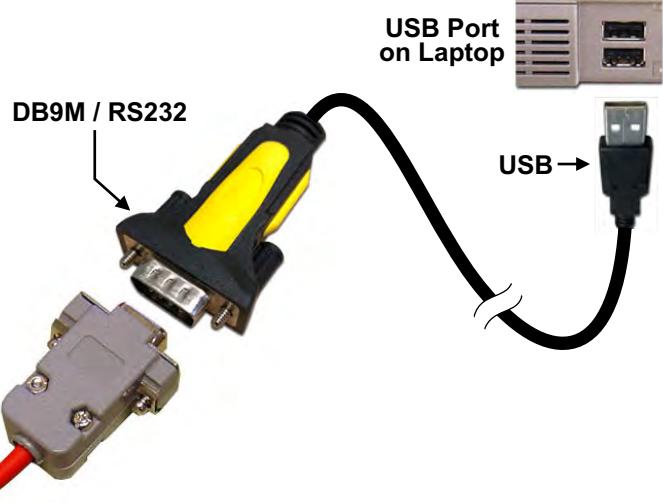
2025 Brightspeed MAT\Master\pg08\_r02.dsf (06/18/25)

## DB9M / RS232 to USB Adapter Cable

Need access to a Serial Port on your Laptop?

**TAG's Adapter Cable will convert your Laptop's USB Port into a Serial Port!**

**Serial Port on an Older Laptop**



### System Requirements:

- Supports Windows® 2000 / XP / Server 2008 / Vista / 7 / 8 / 10
- Available USB Port

### Application:

Plug the USB connector into your computer and the serial connector into your serial device to exchange files, data and more.



### Ordering Information:

**400720USB      DB9M/RS232 to USB Adapter Cable**  
*Supports Windows® 2000 / XP / Server 2008 / Vista / 7 / 8 / 10 / 11*

**MAT #**  
**1157436**

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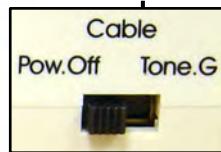
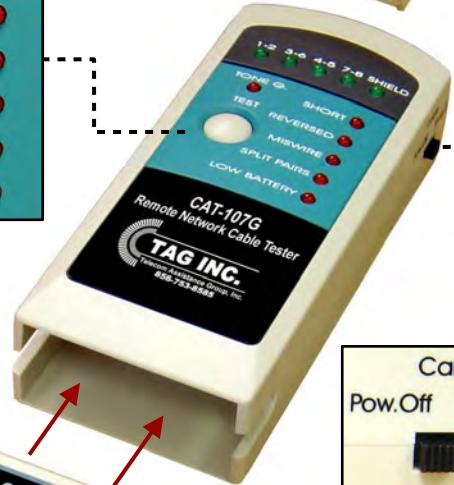
**Remote Network Cable Tester w/ Tone Generator****CAT-107G*****Simplify Network Cable Testing !!*****Cable Test Features:**

**Displays:**

- Short
- Reversed
- Miswired
- Split Pairs

**Tone Generator\* Features:**

- Verification of Shield Integrity
- Puts Tracer Tone on Cable

**Additional Features:**

- Specially designed Remote Unit that enables one person to test installed cables
- Easy to read Fault Display and high speed testing
- Debug mode for detailed fault identification results
- Auto Sleep Mode and Power Off Switch to decrease power consumption
- Low Battery Indicator
- Uses (4) four AAA batteries



**Includes: Soft Vinyl Carrying Pouch & Remote Terminating Cable**

**Application:**

The CAT-107G is a small hand-held cable tester, which enables network professionals to quickly and easily verify the integrity of ethernet twisted pair cables for open pairs, shorted pairs, reversed pairs, crossed pairs and split pairs. Push the TEST button and the CAT-107G will automatically scan for any existing faults in your cable. The specially designed remote terminator is provided for one-person testing of installed cables. The tone generator function can be used to send a signal through installed cables which can be traced with most cable tracers on the market.

**Ordering Information:**

**CAT-107G      Remote Network Cable Tester w/ Tone Generator**  
includes: (1) Carrying Pouch, (1) Remote Terminating Cable & (4) AAA Batteries

**MAT #****1157497**

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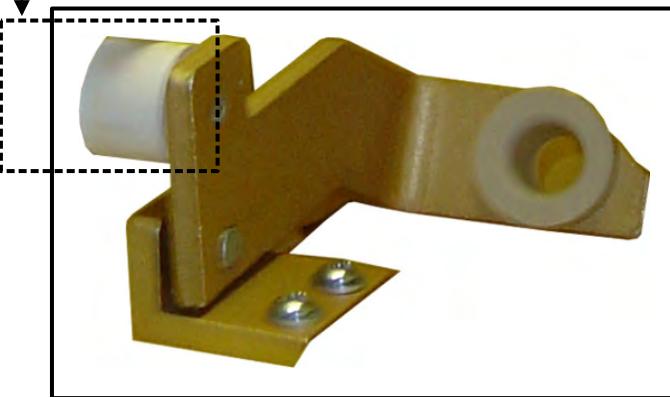
**Telecom Assistance Group**

## Wire Reel Brake Replacement

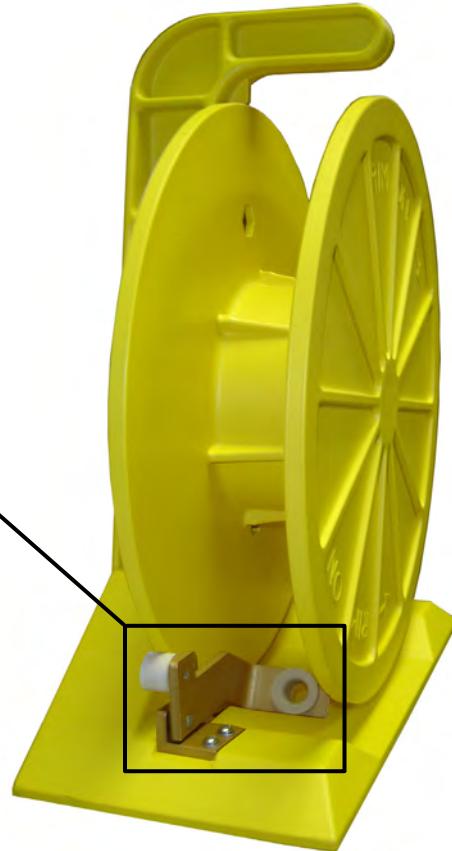
WR-102BRK

**PUT THE BRAKES ON!!!**

Rubber Wheel  
Repair Kit  
Part # **WR-102RWK**



Wire Reel Brake  
Replacement  
Part # **WR-102BRK**



- ▶ Avoid cross connect wire spool tangles and wasting of wire.
- ▶ The WR-102BRK replaces broken and/or worn-out brakes.

**New Brake Assemblies for  
Central Office Wire Reels**  
(wire reel is not included)

**Ordering Information:****WR-102BRK****Cable Reel Brake Assembly  
w/ Grommet & Brake****MAT #****1157502****WR-102RWK****Rubber Wheel Repair Kit**  
includes (4) Rubber Wheels & (4) Retaining Spring Clips**1157450**

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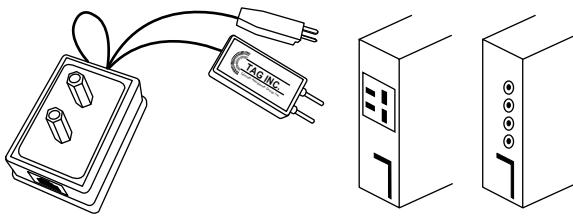
**Telecom Assistance Group**

## DLC Cord Kit

## DLC-KITQWT



**(1) # TCC-001P - MAT # 1157462**  
Carrying Case



**(1) # 4003956 - MAT # 1157496**  
"The Slick Cord" - Series 5 & SLC 96



**(2) # ST400210A-06 - MAT # 1157472**  
Bantam to (2) Alligator Clips, (6')



**(1) # 400703-25**  
DB 9 Pin (female) to DB 25 Pin (male), (25')



**(2) # 408210**  
Bantam to 800 DSX, (6')



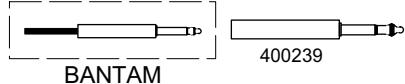
**(1) # 400722ADSL**  
Catena DB 9 Pin (female) to RJ45, (6')



**(2) # 400210WP**  
Bantam to Wire Wrap Terminals, (6')



**(1) # 400720**  
DB 9 Pin (male) to DB 9 Pin (female), (6')



**(2) # 400239 - MAT # 1157438**  
Bantam to 310 Conversion Plug



**(1) # 400703H-25**  
DB 9 Pin (male) to DB 25 Pin (male), (25')



**(1) # 400440BLP**  
BNC Loopback Cord, (9")



**(1) # 400725N**  
DB 25 Pin (male) to DB 25 Pin (female) "NULL" Adapter



**(1) # 400210BK - MAT # 1157483**  
Bantam to Bantam, RX - Black, (6')



**(1) # 400448XP-10**  
DMX Provisioning (CAT5E) Cross-Over Cable, (10')



**(1) # 400210RD - MAT # 1157482**  
Bantam to Bantam, TX - Red, (6')



**(1) # 400448-06**  
RJ48 to RJ48, (6')

## Ordering Information:

DLC-KITQWT

DLC Cord Kit

includes: (2) ST400210A-06, (1) 400210BK, (1) 400210RD, (2) 408210, (1) 400720, (2) 400210WP, (2) 400239, (1) 4003956, (1) 400725N, (1) 400703-25, (1) 400448XP-10, (1) 400440BLP, (1) 400703H-25, (1) 400722ADSL, (1) 400448-06 & (1) TCC-001P

**MAT #**  
**1157495**

150 Cooper Rd. (F-15)  
W. Berlin, NJ 08091

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**Telecom Assistance Group**

**JDSU HST-3000\* Cord Kit****KIT-HST3000H4**

**Test Cord Kit for use with  
JDSU HST-3000\***

-Individual items can also be ordered-

**Provides a carrying case with all the  
cords that a "Tech" needs in the field**

8 Pouch Carrying Case  
**Part # TCC-001P**

HST3000 to 463A Protector (Red), (6')  
**Part # ACT-400100SRD**



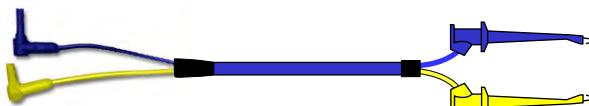
HST3000 to 463A Protector (Blue), (6')  
**Part # ACT-400100SBY**



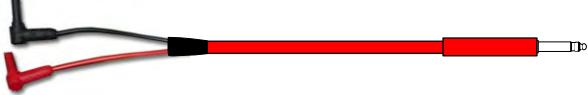
HST3000 to Mini Test Clips (Red), (6')  
**Part # ACT-400100TRD**



HST3000 to Mini Test Clips (Blue), (6')  
**Part # ACT-400100TBY**



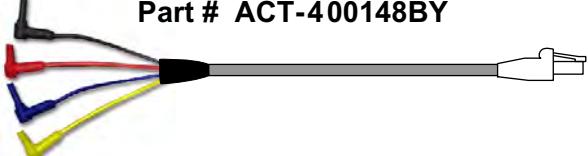
HST3000 to Bantam (Red), (6')  
**Part # ACT-400100BRD**



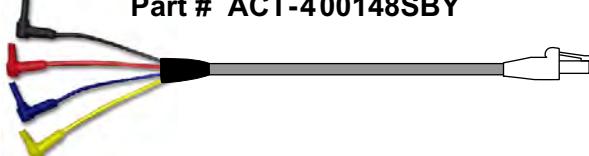
HST3000 to Bantam (Blue), (6')  
**Part # ACT-400100BBY**



HST3000 to RJ48C - (T1), (6')  
(RJ48 Pins 1,2,4,5)  
**Part # ACT-400148BY**



HST3000 to RJ48S - (DDS), (6')  
(RJ48 Pins 1,2,7,8)  
**Part # ACT-400148SBY**



**Ordering Information:**

**KIT-HST3000H4**

**HST-3000\* Cord Kit**

includes: (1) ACT-400100SRD, (1) ACT-400100SBY,  
(1) ACT-400100TRD, (1) ACT-400100TBY,  
(1) ACT-400100BRD, (1) ACT-400100BBY,  
(1) ACT-400148SBY, (1) ACT-400148BY & (1) TCC-001P

**MAT #**  
**1157475**

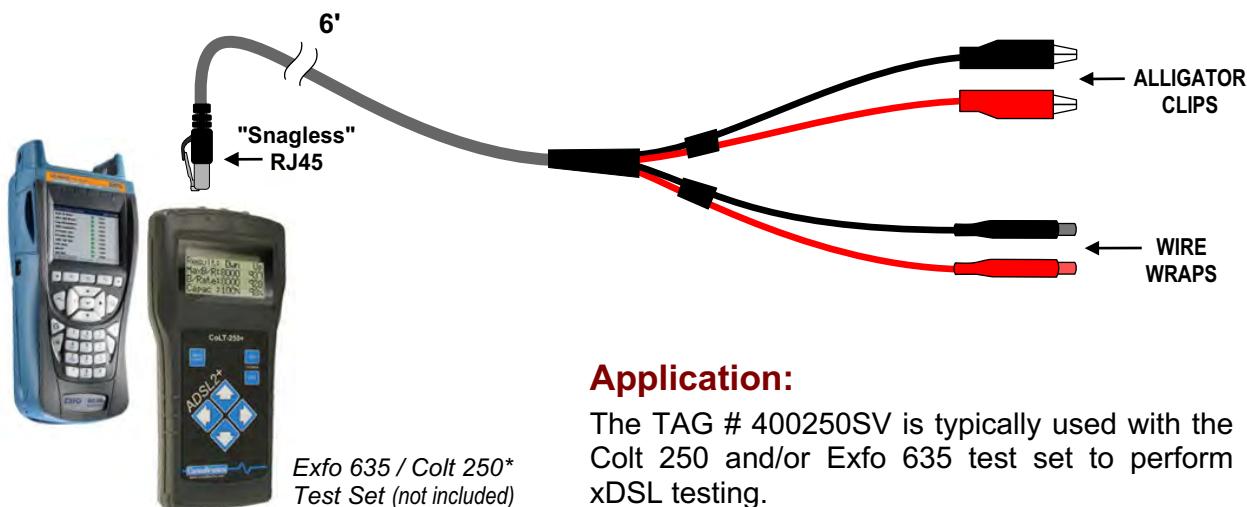
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## xDSL Test Cord



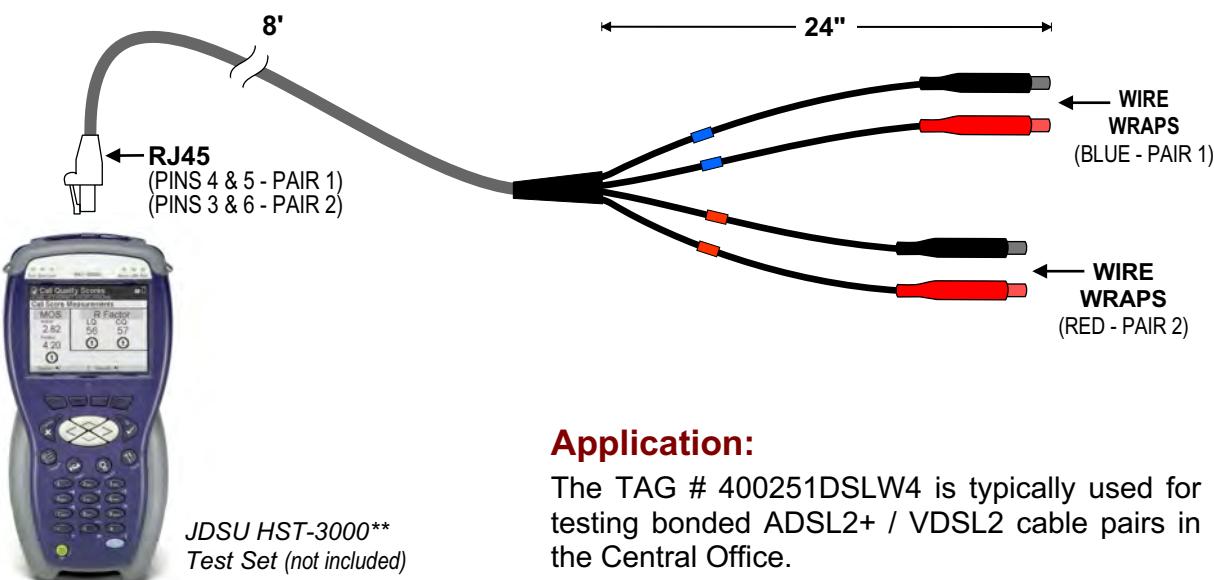
### Application:

The TAG # 400250SV is typically used with the Colt 250 and/or Exfo 635 test set to perform xDSL testing.

### Ordering Information:

|          |   |              |
|----------|---|--------------|
| 400250SV | RJ45 (snagless) to Alligator Clips / Wire Wraps, (6') | <u>MAT #</u> |
|          |   | 1341497      |

## Bonded ADSL2+ / VDSL2 Test Cord



### Application:

The TAG # 400251DSLW4 is typically used for testing bonded ADSL2+ / VDSL2 cable pairs in the Central Office.

### Ordering Information:

|             |   |              |
|-------------|---|--------------|
| 400251DSLW4 | RJ45 to (4) (2 Blue / 2 Red) Wire Wraps, (8') | <u>MAT #</u> |
|             |   | 1339897      |

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## MLT Load / Test Box

400301MLT



TAG's MLT Load/Test Box (400301MLT) provides a convenient and easy means to Test with MLT on New Installs and Calibrate "Loop Resistance".

Simply plug the MLT Load/Test Box on the circuit to test with MLT. Establish communication with a MLT tester to verify results.

Note: TAG offers a "Hands Free" Telephone Set - Model WT-1K for added convenience. A sturdy switch on the MLT Load/Test Box allows selecting the following tests:

- **Tip to Ring Short**
- **Ring to Ground (10K)**
- **Tip to Ring Load (10K)**
- **Ringer Test Load (>.75A)**
- **Tip to Ground (10K)**
- **Thru to Hollow Posts and RJ11** (just in case)

The MLT Load/Test Box plugs to various interface points for ease of testing with MLT. The 400301MLT can be equipped with "coil access" at the RT, RJ11 access at the NID or Alligator Clips for general purpose.

**Ordering Information:**
**MAT #**
**400301MLT**
**Cord Protector MLT Test Box, (6')**
**1157498**

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## Apparatus Cases (T1, HDSL, DDS)

### EXT-209

T1 Loopback Extender  
(w/ Bantam Jacks)

#### Application:

- Universal interface to all test sets
- Loops signal and simplex current
- Isolates trouble to repeater or cable
- Bantam Jack access eliminates special probes and cables
- Direct metallic bridging allows current, voltage and loop resistance measurements



**MAT #**

**1157489**

### EXT-209T

T1 Repeater Extender  
(w/ Bantam Jacks)

#### Application:

- Span current test points
- Loops signal and simplex current
- Test repeaters in the field
- Bantam Jack access to monitor/transmit QRSS, 3 in 24 from test sets
- Direct metallic bridging allows current, voltage and loop resistance measurements



**MAT #**

**1157488**

### EXT-238

T1 Line Repeater Wiring  
Access Board  
(w/ Bantam Jacks)

**Brightspeed SAP MAT #**

**1157499**



#### Application:

The EXT-238 plugs into T1, 56KB, HDSL, and ISDN apparatus cases for easy access to wiring via "bantam jacks." Plug the EXT-238 into mini T1 line repeater slots to verify wiring and perform cable loss test (T1 acceptance test).

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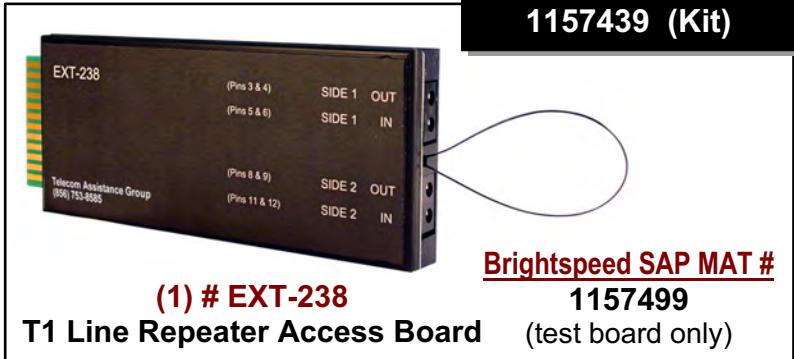
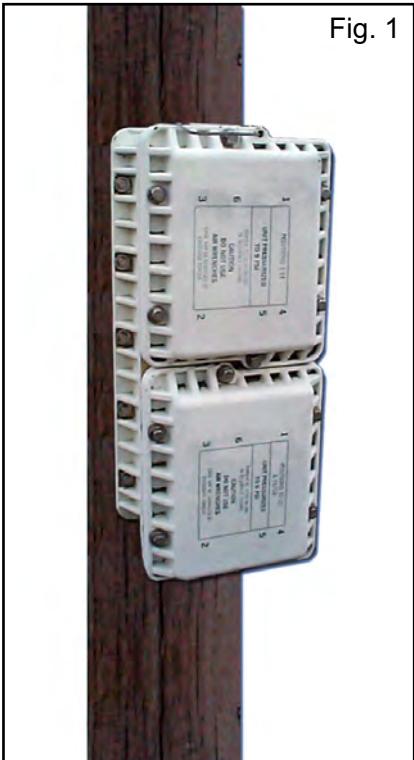
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**Telecom Assistance Group**

**T1 Repeater Test Kit****EXT-238K3**

The EXT-238K3 Kit is designed for technicians who test at T1 Line Repeater Housings, such as 818 apparatus cases. (see Fig. 1) The Kit Includes:



**(1) # 400210RD-03**  
**Bantam to Bantam - Red, (3')**



**(1) # 400210ARD-03**  
**Bantam to Alligator Clips - Red, (3')**



**(1) # 400210BK-03**  
**Bantam to Bantam - Black, (3')**



**(1) # 400210ABK-03**  
**Bantam to Alligator Clips - Black, (3')**

**Ordering Information:****EXT-238K3 T1 Repeater Access Kit**

includes: (1) EXT-238, (1) 400210RD-03, (1) 400210BK-03,  
(1) 400210ARD-03, (1) 400210ABK-03 & (1) 600209

**Brightspeed SAP MAT #****1157439**

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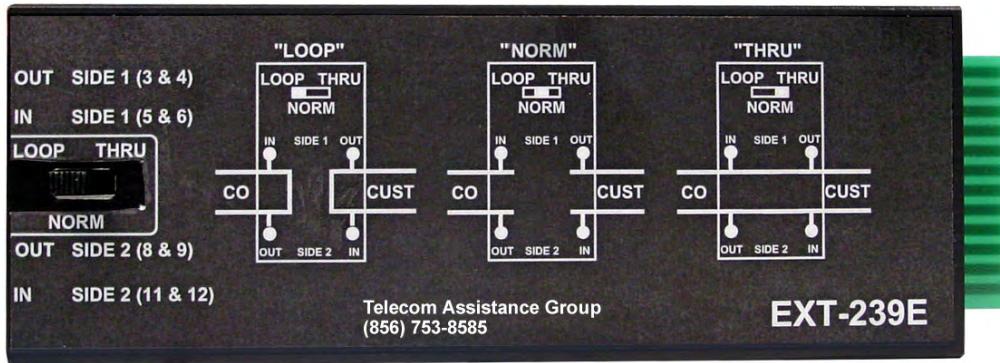
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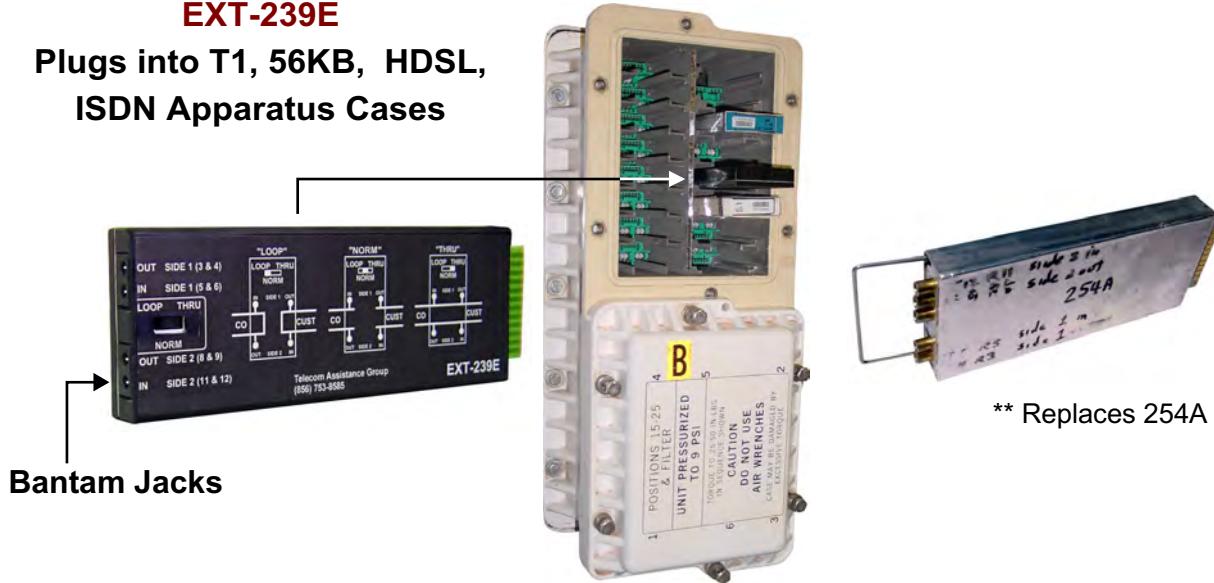
**Telecom Assistance Group**

# T1 Repeater Wiring Access Board

EXT-239E



**EXT-239E**  
Plugs into T1, 56KB, HDSL,  
ISDN Apparatus Cases



## Features:

- Enhanced switch settings for Thru, Norm, and Loop testing at T1 line repeater apparatus cases.
- Metallic access at T1 line repeater slots.
- Use with test sets to perform Cable Loss, Resistance, or TDR test set to locate load coils.

## Ordering Information:

EXT-239E

T1 Repeater Wiring Access Board  
w/ Bantam Jacks

**MAT #**

1157440

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# Adtran

## "Total Access 3000"



**MAT #**  
1157451

### ST-TA3000CU

Adtran Total Access 3000  
CU Streaker Card  
w/ LEDs

#### Application:

The ST-TA3000CU provides both continuity testing and jack access for signal acceptance testing from the Adtran Total Access 3000 CU card slot to the cross-connect wiring points.

### TB-TA3000CU

Adtran Total Access 3000 Test Board  
w/ Bantam Jacks

#### Application:

The TB-TA3000CU plugs in the Adtran Total Access 3000 card slots and has Bantam jacks that allow access to the cabling from the card slot to the cross-connect wiring points. Using a T1 Test Set, the tester can transmit and receive T1 signals to verify cable acceptance and continuity.



**MAT #**  
1157444

#### Accessories:

|         |                             |
|---------|-----------------------------|
| P-2000  | Protected Test Probe w/ LED |
| 600209N | Carrying Case               |

**MAT #**  
1157493  
1157177

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## Office Repeater / Wiring Access Boards

**TB-86B**  
**"DDM Plus"**  
 Office Repeater Test Board  
*(w/ Bantam Jacks)*

**MAT #**  
**1157445**



**TB-231B**  
**"220"**  
 Office Repeater Test Board  
*(w/ Bantam Jacks)*

**MAT #**  
**1157441**

**TB-3192B**  
**"3190 / 3192"**  
 Office Repeater Test Board  
*(w/ Bantam Jacks)*

**MAT #**  
**1157442**



**TB-400B**  
**"HDSL - HRU"**  
 Wiring Access Board  
*(w/ Bantam Jacks)*

**MAT #**  
**1157443**

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# Adtran



## "Total Access 5000"

**ST-T5K-SHDSL**  
**Adtran TA5000**  
**SHDSL Streaker Card**

32 Port (w/ 64 LEDs)

**MAT #**  
**1108511**

**ST-T5K-SPLTRV**  
**Adtran TA5000**  
**V2 Splitter Streaker Card**

32 Port (w/ 128 LEDs)

**MAT #**  
**1157455**



**ST-T5K-DS1**  
**Adtran TA5000**  
**DS1 Streaker Card**

*(Can be used for both 32 port DS1 &  
 32 port DS1 Voice Gateway)*  
 (w/ 128 LEDs)

**MAT #**  
**1157459**

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# Adtran

## "Total Access 5000"

**ST-T5K-COMBO**  
Adtran TA5000  
Combo Streaker Card

24 Port (w/ 48 LEDs)

**MAT #**  
**1121914**



**ST-T5K-8HT1**  
Adtran TA5000  
8 Port HDSL/T1 Streaker Card

8 Port (w/ 32 LEDs)

**MAT #**  
**1157456**

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## ArcaDacs Streaker Kit

## CT-50ARCKIT



**(1) # CT-50ARC**  
50 Pin Amphenol Cable Streaker Unit



**BX-50\***  
50 Pin Breakout Box  
\*sold separately



**(1) # P-2000**  
Protected Test Probe w/ LED



**(1) # 400409**  
Ground Cord, (6')



**(1) # 300187-16**  
50 Pin Amphenol Cable  
(Specialty Extension Cable - (8'))



**(1) # 600209N**  
Carrying Case

## Ordering Information:

|             |   | <b>MAT #</b> |
|-------------|---|--------------|
| CT-50ARCKIT | <b>50 Pin Amphenol Cable Streaker Unit Test Kit</b><br>includes: (1) CT-50ARC, (1) 300187-16, (1) 400409,<br>(1) P-2000 & (1) 600209N | 1108178      |
| CT-50ARC    | <b>50 Pin Amphenol Cable Streaker Unit</b>  | 1106075      |
| 400409      | <b>Continuity Ground Cord, (6')</b>   | 1157476      |
| P-2000      | <b>Protected Test Probe w/LED</b>   | 1157493      |
| 600209N     | <b>Carrying Case</b>  | 1157117      |
| BX-50       | <b>Wiring Access 50 Pin (Amphenol) Breakout Box</b><br>**not included in kit - please order separately**                              | 1157448      |

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**Calix E7-2 Streaker Kit****E7-2-KIT-01****"Calix E7-2"****(1) # ST-CALIX-E7-2****Calix E7-2 Streaker Card, 48 Port w/ 96 LEDs****Application:**

The ST-CALIX-E7-2 provides a quick method to "streak", verify wiring via LEDs, from the backplane of the Calix E7-2 to the Frame. At the Frame simply ground the corresponding pins and the ST-CALIX-E7-2 will light the LED associated with that connection.

**(1) # P-2000**

Protected (-48V) Test Probe w/ LED, (6')

**(1) # 400409**

Pin Plug to Alligator, (6')



Approx.  
Dimensions:  
16" (H) x 20" (L)

**(1) # 600209XL**

Carrying Case

**Ordering Information:****E7-2-KIT-01****Calix E7-2 Streaker Kit****MAT #****1250641**

includes: (1) ST-CALIX-E7-2, (1) 400409, (1) P-2000 &  
(1) 600209XL - carrying case

**P-2000****Protected Test Probe w/ LED****1157493****600209XL****Carrying Case****1157460**

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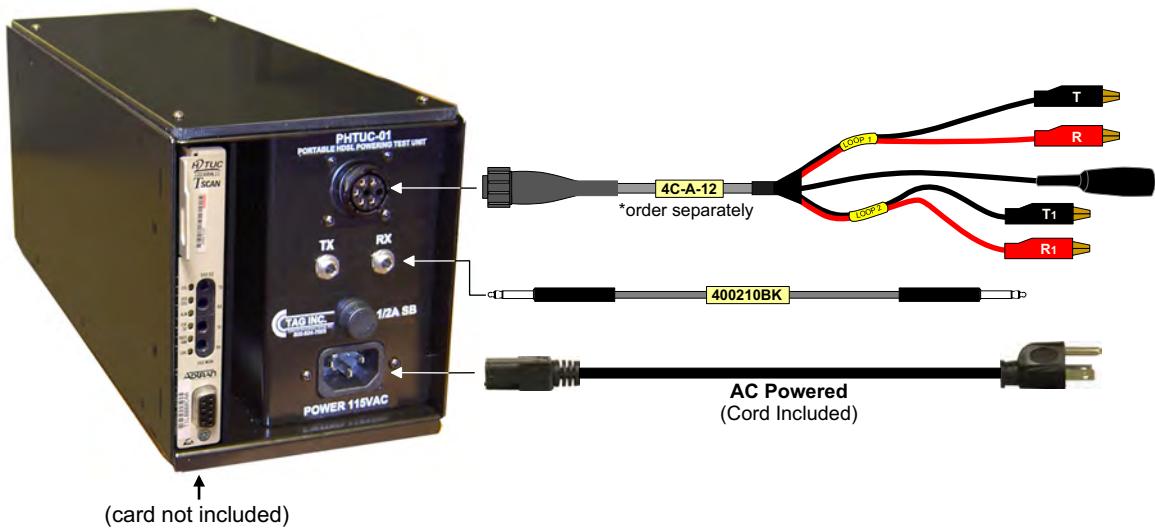
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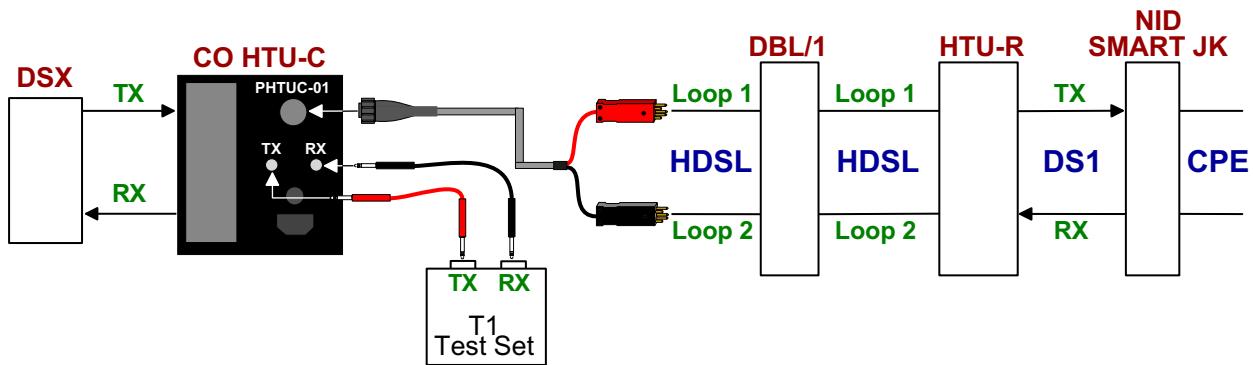
## Portable "C" HDSL Powering / Test Unit Kit

PHTUC-QWE01



- Portable Powering / Test Unit
- Isolates Troubles
- New Installs
- Bantam Jacks for T1 Test Sets
- 1 Slot (2 & 4 Wire)
- 3192 Mech.

## HDSL Application Diagram



## Ordering Information:

**MAT #**  
1201288

**PHTUC-QWE01 Portable "C" HDSL Powering / Test Unit Kit**

Includes: (1) PHTUC-01, (1) 400210RD, (1) 400210BK, (1) 4C-463LY-12, (1) 4C-412LY-12, (1) 4C-PORTLY-12 & (1) 600510 - Carrying Case

|             |   |         |
|-------------|---|---------|
| 4C-A-12     | Male Lock Plug to (4) Std Alligator Clips w/ GND, (12') | 1230934 |
| 4C-6P-12    | Male Lock Plug to (4) 6P Alligator Clips w/ GND, (12')  | 1230936 |
| 4C-412LY-12 | Male Lock Plug to 412 Long "Y", (12')                   | 1230933 |
| 4C-463LY-12 | Male Lock Plug to 463 Long "Y", (12')                   | 1230932 |
| 400210BK    | Bantam to Bantam Test Set Cord - Black, (6')            | 1157483 |
| 400210RD    | Bantam to Bantam Test Set Cord - Red, (6')              | 1157482 |

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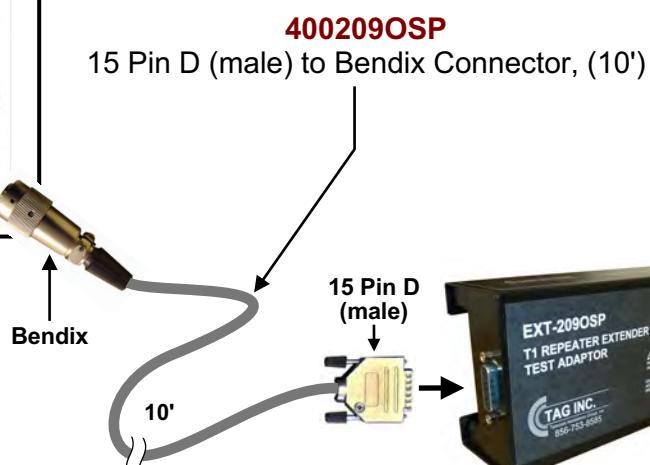
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## T-Berd 209 OSP Test Set Kits & Battery Replacements

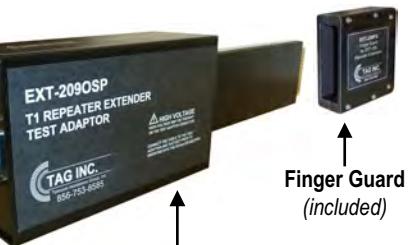


T-Berd 209 OSP  
Test Set  
(not included)



### Application:

TAG's # 400209OSP is the auto-test replacement cable for the T-Berd 209 OSP. The # 400209OSP connects from the Bendix connector on the T-Berd 209 OSP Test Set to the 15 pin connector on the "smart" repeater adapter (TTC 41754 or TAG's # EXT-209OSP).



Finger Guard  
(included)

**BR-209OSP**  
Battery Replacement for T-Berd 209



T-Berd 209 OSP Test Set  
(not included)



- ▶ 12V DC / 2.8 Ah
- ▶ Drop-in Replacement
- ▶ 3yr Warranty

### Ordering Information:

**KIT-209OSP**

**T-Berd 209 OSP Auto Test T1 Repeater Test Kit**

includes: (1) EXT-209OSP, T-Berd 209 OSP "Smart" Repeater Adapter  
w/ 15 Pin D Connector (includes Finger Guard # EXT-209FG)  
(1) 400209OSP, 15 Pin D (male) to Bendix Connector, (10') &  
(1) 600209N - 9" (H) x 16" (L) Carrying Case

**Brightspeed SAP MAT #**

**1456791**

**MAT #**

**1282722**

**400209OSP**

**15 Pin D (male) to Bendix Connector, (10')**

**BR-209OSP**

**Battery Replacement for T-Berd 209**

Telephone: (856) 753-8585

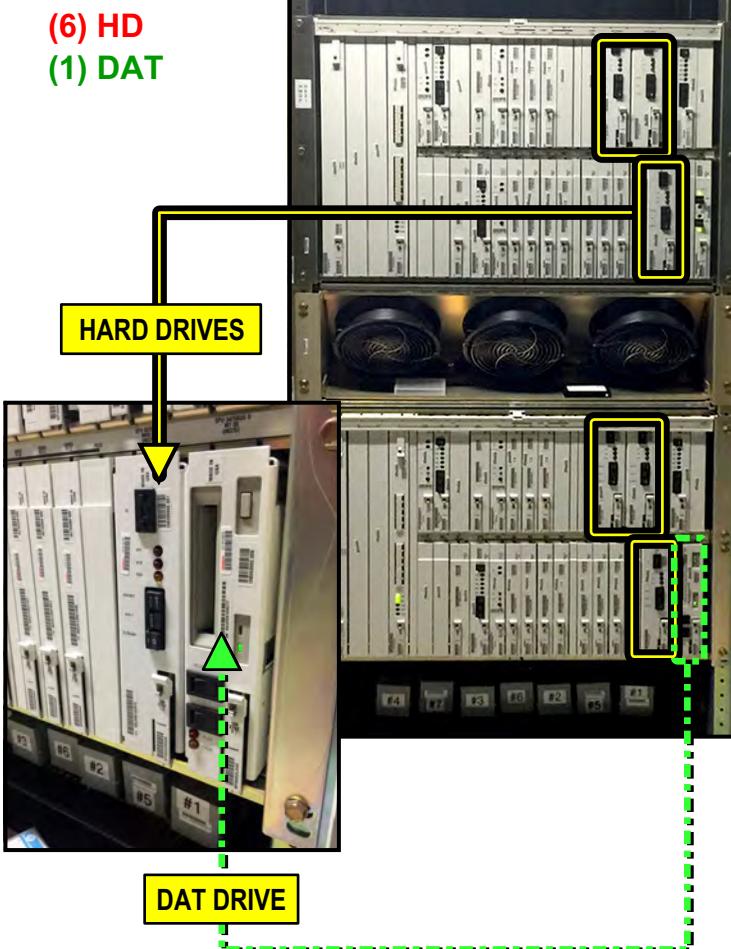
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## NEBS Certified - 5ESS Solid State Drive Solutions from TAG

### 5ESS SWITCH w/ EXISTING DRIVES (w/ "MOVING PARTS")

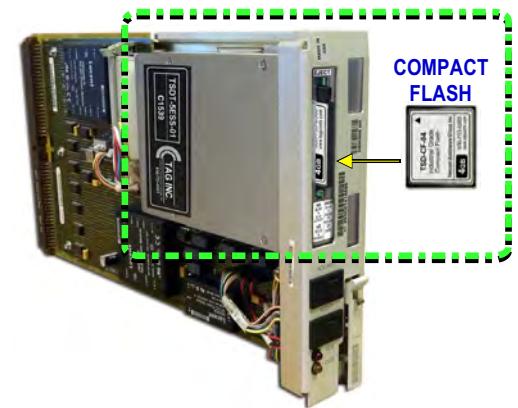


### NEW SOLID STATE DRIVES FROM TAG

**NEW HARD DRIVE**  
(installed on UN375E/F circuit pack)



**NEW DAT DRIVE w/ COMPACT FLASH**  
(installed on UN376E/F circuit pack)



### **Application:**

TAG can **REPLACE** failing / broken 5ESS Hard Drives & DAT Drives with **NEW** Solid State SCSI Drives.

| TAG MODEL #                                     | USED ON UN375E AND UN375F CIRCUIT PACKS (HD)  |        |
|---|---|--------|
| TSD-5ESS-01<br><b>MAT #</b><br><b>R1354898</b>  | Solid State Replacement for:<br><b>Hard Drive</b> , HECL code SP3QADRAAA (typical),<br>KS-23908 QUANTUM 3.5 INCH SCSI                                   | 9.1 Gb |
| TAG MODEL #                                     | USED ON UN376E AND UN376F CIRCUIT PACKS (DAT)   |        |
| TSDT-5ESS-01<br><b>MAT #</b><br><b>R1355139</b> | Solid State Replacement for:<br><b>DAT Drive</b> , C1539, HECL code SP3QADLAAC (typical),<br>Includes: 4Gb Industrial Compact Flash Card (# TSD-CF-04*) | 4 Gb   |

\* Additional Compact Flash Cards are Available:  
4Gb (# TSD-CF-04, Brightspeed SAP MAT # 1343960), 8Gb (# TSD-CF-08), 16Gb (# TSD-CF-16), 32Gb (# TSD-CF-32)

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## NEBS Certified - Ericsson AXE-10 IOG11 Drive Solutions from TAG

### ERICSSON AXE-10 IOG11 MODULES w/ EXISTING HARD DRIVE & OPTICAL DISK DRIVE (w/ "MOVING PARTS")



#### Application:

TAG can REPLACE failing / broken Hard Drives and Optical Disk Drives within Ericsson AXE-10 IOG11 Modules with NEW Solid State Drives.

### AXE-10 IOG11 MODULES w/ NEW SOLID STATE DRIVES FROM TAG



#### NEW SOLID STATE DRIVES AVAILABLE FROM TAG

| TAG MODEL #  | USED IN AXE-10 IOG11 HARD DRIVE MODULE (HECI DNPQAL9AAA)   |      |
|--|--|------|
| TSD-AXE10-02<br><br><b>MAT #</b><br><b>R1343948</b>  | Solid State Replacement for:<br><b>Ericsson AXE-10 IOG11</b><br>Module # ROF 137 7942/8 R1A HD-B 2GB (HECI DNPQAL9AAA)<br><b>Hard Drive</b>  | 2 Gb |
| TAG MODEL #  | USED IN AXE-10 IOG11 ODD MODULE (HECI DNMYABKEAA)  |      |
| TSDT-AXE10-02<br><br><b>MAT #</b><br><b>R1343949</b> | Solid State Replacement for:<br><b>Ericsson AXE-10 IOG11</b><br>Module # ROD 907 32 (HECI DNMYABKEAA)<br><b>Optical Disk Drive</b><br>Includes: 4Gb AXE Formatted Industrial Compact Flash Card (# TSD-CF-AXE) | 4 Gb |

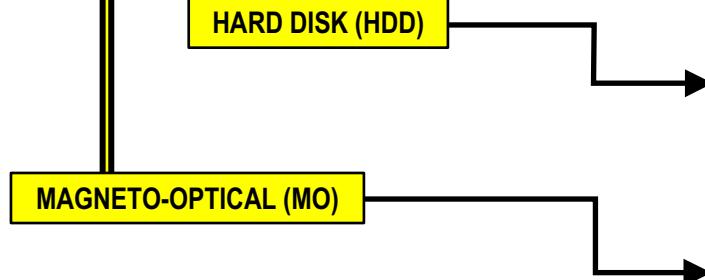
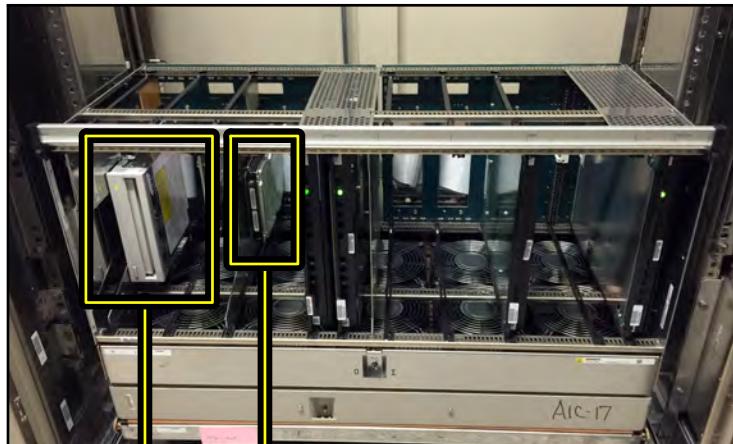
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## NEBS Certified - Siemens EWSD Drive Solutions from TAG

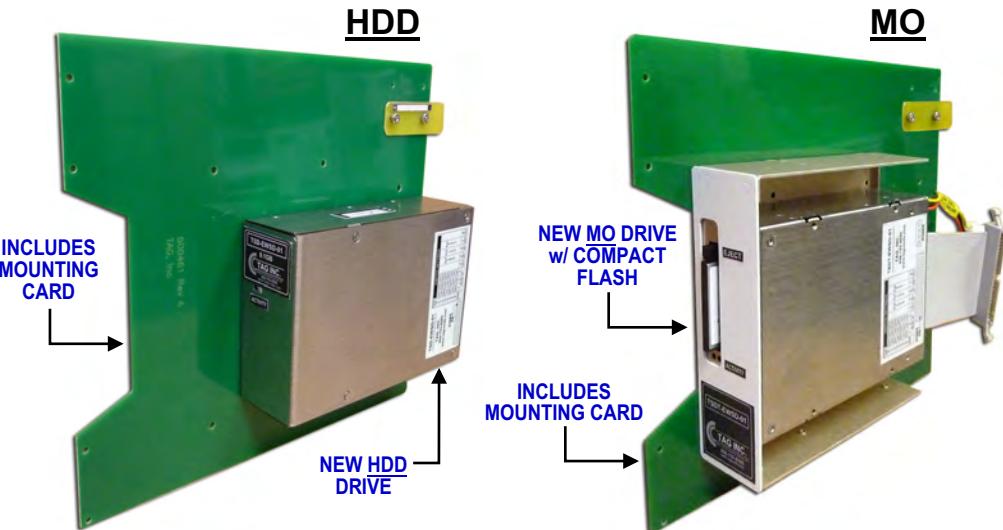
### SIEMENS EWSD w/ EXISTING DRIVES MAGNETO-OPTICAL (MO) & HARD DISK (HDD) (w/ "MOVING PARTS")



#### Application:

TAG can **REPLACE** failing / broken Siemens EWSD Magneto-Optical (MO) & Hard Disk (HDD) Drives with **NEW** Solid State Drives.

### NEW SOLID STATE DRIVES FROM TAG



### NEW SOLID STATE DRIVES AVAILABLE FROM TAG

| TAG MODEL #  | USED IN SIEMENS EWSD HDD MODULE (HECI EQMYAE0DAA)  |       |
|--|--|-------|
| <b>TSD-EWSD-01</b><br><b>MAT #</b><br><b>R1344482</b>  | Solid State Replacement for: <b>Siemens EWSD</b><br>Module # S30807-U2594-X300 (HECI EQMYAE0DAA)<br>Hard Disk Drive (HDD) w/ Mounting (S30122-U789-X-2 (ST-39173N))  | 9.1Gb |
| TAG MODEL #  | USED IN SIEMENS EWSD MO DRIVE MODULE (HECI EGM8JF0BRA)   |       |
| <b>TSDT-EWSD-01</b><br><b>MAT #</b><br><b>R1344483</b> | Solid State Replacement for: <b>Siemens EWSD</b><br>Module # S30807-U2593-X200 (HECI EGM8JF0BRA)<br><b>Magneto-Optical (MO) Drive w/ Mounting</b> (S30122-U563-X400)<br>Includes: 4Gb Industrial Compact Flash Card (# TSD-CF-04*) | 4Gb   |

\* Additional Compact Flash Cards are Available:  
4Gb (# TSD-CF-04, Brightspeed SAP MAT# 1343960), 8Gb (# TSD-CF-08), 16Gb (# TSD-CF-16), 32Gb (# TSD-CF-32)

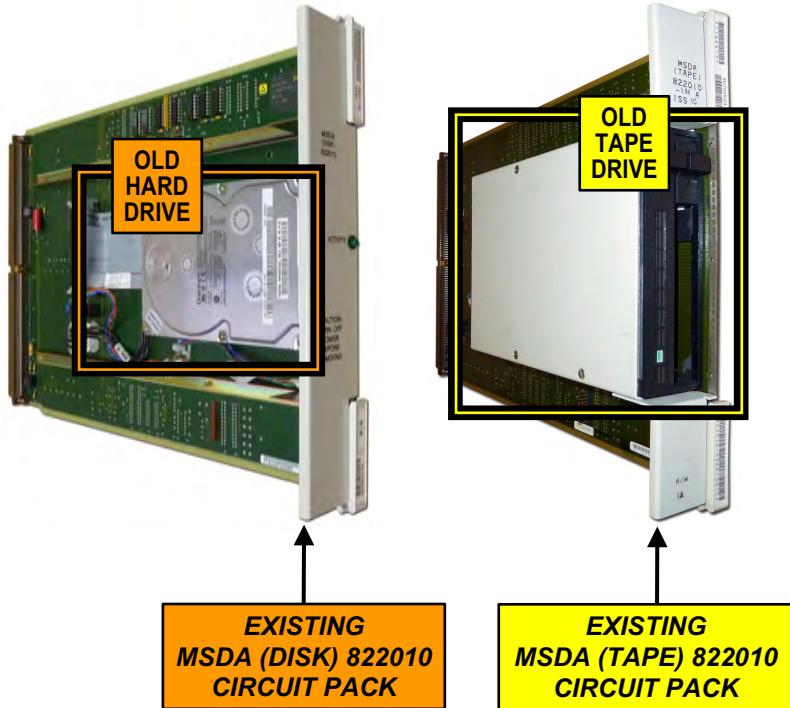
150 Cooper Rd. (F-15)  
W. Berlin, NJ 08091

[www.tagcords.com](http://www.tagcords.com)  
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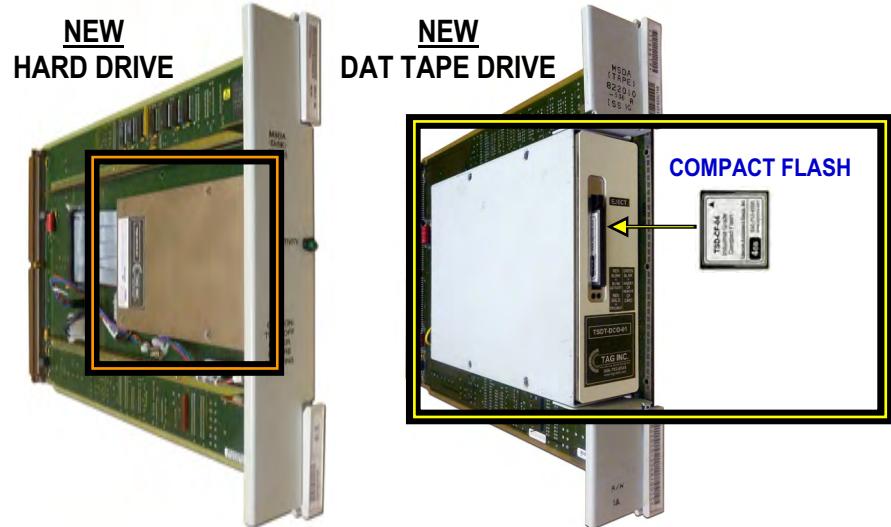
Telephone: (856) 753-8585  
Fax : (856) 768-7645

## NEBS Certified - Stromberg Carlson DCO Drive Solutions from TAG

### DCO MSDA 822010 CIRCUIT PACKS w/ EXISTING HARD DRIVE & TAPE DRIVE (w/ "MOVING PARTS")



### NEW SOLID STATE DRIVES FROM TAG (INSTALLED ON EXISTING CIRCUIT PACKS)



| TAG MODEL #                                    | USED ON EXISTING MSDA (DISK) 822010 CIRCUIT PACK  |
|--|---|
| <b>TSD-DCO-01</b><br><b>SAP MAT # R1355062</b> | Solid State Replacement <b>Hard Drive</b> used on:<br><b>Stromberg Carlson DCO</b> , MSDA (DISK) 822010-706, 4.5Gb  |
| <b>TSD-DCO-02</b><br>(CALL)                    | Solid State Replacement <b>Hard Drive</b> used on:<br><b>Stromberg Carlson DCO</b> , MSDA (DISK) 822010-716, 9Gb  |
| TAG MODEL #                                    | USED ON EXISTING MSDA (TAPE) 822010 CIRCUIT PACK  |
| <b>TSDT-DCO-01</b><br><b>SAP MAT # 1355063</b> | Solid State Replacement <b>DAT Tape Drive</b> used on:<br><b>Stromberg Carlson DCO</b> , MSDA (TAPE) 822010-536,<br>822010-616, 822010-646, 822010-656<br><i>Includes: 4Gb Industrial Compact Flash Card (SAP MAT # 1343960, # TSD-CF-04)</i> |
| <b>TSDT-DCO-02</b><br>(CALL)                   | Solid State Replacement <b>DAT Tape Drive</b> used on:<br><b>Stromberg Carlson DCO</b> , MSDA (TAPE) 822010-726<br><i>Includes: 4Gb Industrial Compact Flash Card (SAP MAT # 1343960, # TSD-CF-04)</i>  |

### Application:

TAG can **REPLACE** older or failing Hard (Disk) Drives & DAT Tape Drives on existing Stromberg Carlson DCO, MSDA 822010 circuit packs with **NEW** Solid State Drives.

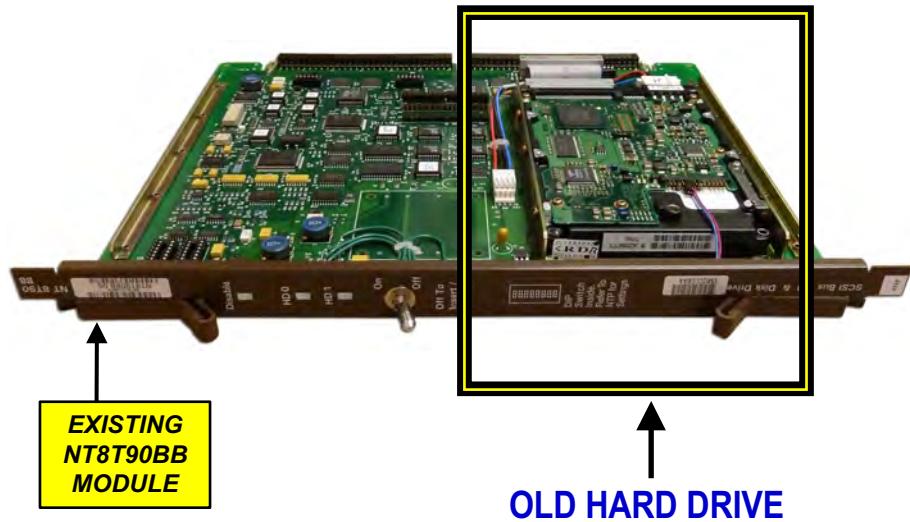
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## NEBS Certified - DMS-10 (NT8T90BB) Drive Solution from TAG

### NORTEL DMS-10 NT8T90BB MODULE w/ Hard Drive (w/ "MOVING PARTS")



### NEW SOLID STATE DRIVE FROM TAG



### NEW SOLID STATE DRIVE AVAILABLE FROM TAG

#### Application:

TAG can REPLACE the failing / broken Nortel DMS-10 Hard Drive in the NT8T90BB Module with a NEW Solid State Drive.

| TAG MODEL #                     | USED IN NT8T90BB MODULE (HECI EMI2CLCBA)  |
|---------------------------------|---|
| TSD-8T90BB<br>MAT #<br>R1350768 | Solid State Replacement for:<br><b>Nortel DMS-10 (HECI EMI2CLCBA) NT8T90BB Hard Drive</b> |

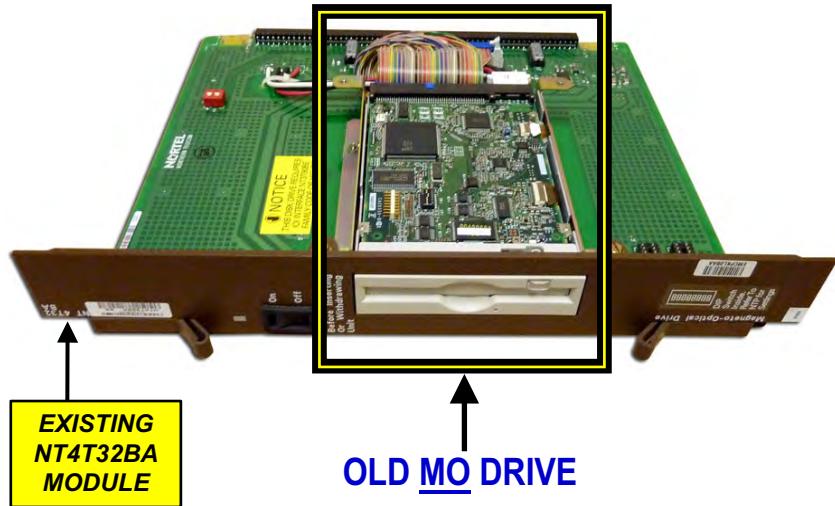
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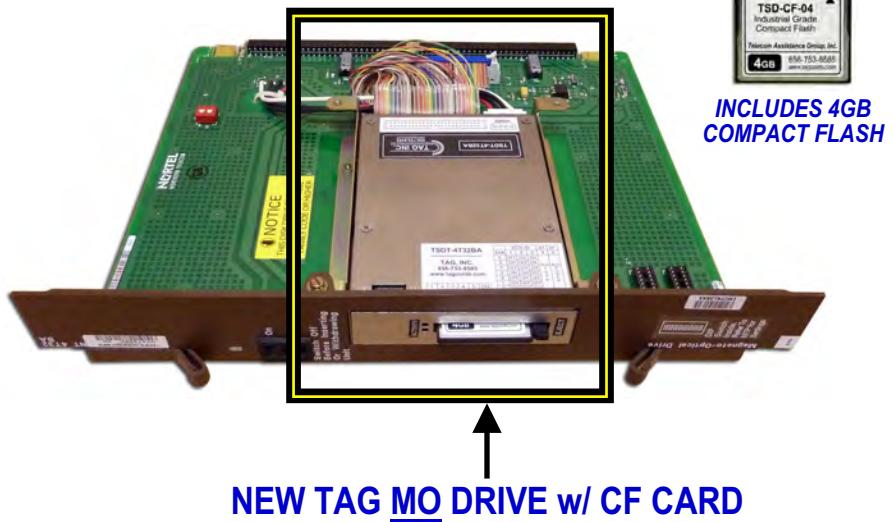
Telephone: (856) 753-8585  
Fax : (856) 768-7645

## NEBS Certified - DMS-10 (NT4T32BA) Drive Solution from TAG

### NORTEL DMS-10 NT4T32BA MODULE w/ Magneto-Optical (MO) Drive (w/ "MOVING PARTS")



### NEW SOLID STATE DRIVE FROM TAG



#### Application:

TAG can REPLACE the failing / broken Nortel DMS-10 Magneto-Optical (MO) Drive in the NT4T32BA Module with a NEW Solid State Drive.

#### NEW SOLID STATE DRIVE AVAILABLE FROM TAG

| TAG MODEL #                                    | USED IN NT4T32BA MODULE (HECI EMCPKL0BAA)  |
|--|--|
| TSDT-4T32BA<br><b>MAT #</b><br><b>R1350767</b> | Solid State Replacement for:<br><b>Nortel DMS-10 (HECI EMCPKL0BAA) NT4T32BA (Fujitsu MCF3064 SS) Magneto-Optical (MO) Drive,</b><br>Includes: 4Gb Industrial Compact Flash Card (# TSD-CF-04*)<br><br>* Additional Compact Flash Cards are Available:<br>4Gb (# TSD-CF-04, SAP MAT # 1343960), 8Gb (# TSD-CF-08), 16Gb (# TSD-CF-16), 32Gb (# TSD-CF-32) |

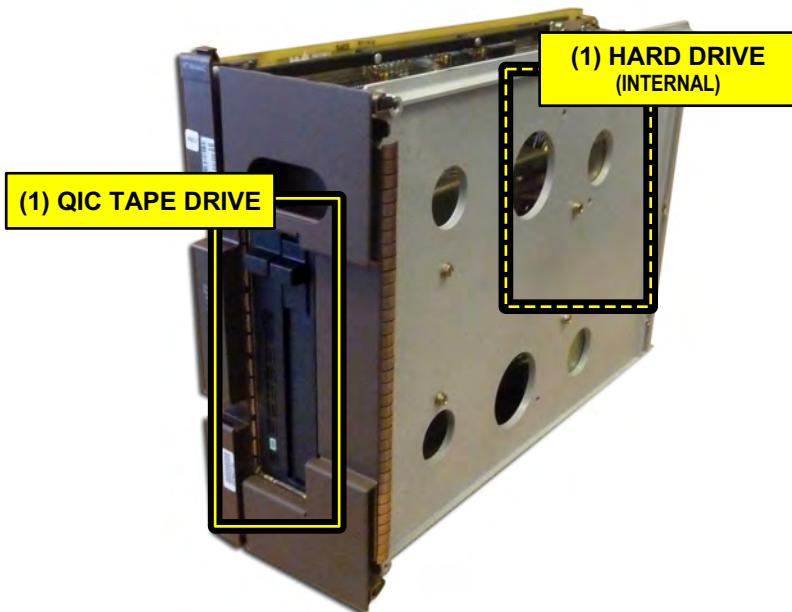
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Fax : (856) 768-7645

## NEBS Certified - Nortel DMS-100 SLM (NT9X44AD) Drive Solutions from TAG

### NORTEL DMS-100 SLM MODULE w/ EXISTING DRIVES (2 DRIVES w/ "MOVING PARTS")



#### Application:

TAG can REPLACE the 2 failing / broken drives on the DMS SLM Module.

- (1) Hard Drive NT9X44AD 3.1GB
- (1) QIC Tape Drive 525MB NT9X4420 / NTA0643549

TAG can provide NEW Solid State Drives

### NEW SOLID STATE DRIVES FROM TAG



**NEW  
HARD DRIVE**



**INCLUDES 4GB  
COMPACT FLASH**

**NEW  
TAPE DRIVE**

### NEW SOLID STATE DRIVES AVAILABLE FROM TAG

| TAG MODEL #   | USED IN NT9X44AD MODULE (HECI ENPQAZV1AA) - (1 HD & 1 TAPE DRIVE)   |        |
|---|---|--------|
| TSD-9X44AD-01<br><b>MAT #</b><br><b>1457324</b>   | Solid State Replacement for:<br><b>Nortel DMS-100 SLM, NT9X44AD (HECI ENPQAZV1AA)<br/>Hard Drive</b>  | 3.1 Gb |
| TSDT-9X44AD-02<br><b>MAT #</b><br><b>1457386</b>  | Solid State Replacement for:<br><b>Nortel DMS-100 SLM, NT9X44AD (HECI ENPQAZV1AA)<br/>QIC Tape Drive</b><br>Includes: 4Gb Industrial Compact Flash Card (# TSD-CF-04) | 4 Gb   |
| <p>* Additional Compact Flash Cards are Available:<br/>4Gb (# TSD-CF-04, SAP MAT# 1343960), 8Gb (# TSD-CF-08), 16Gb (# TSD-CF-16), 32Gb (# TSD-CF-32)</p> |   |        |

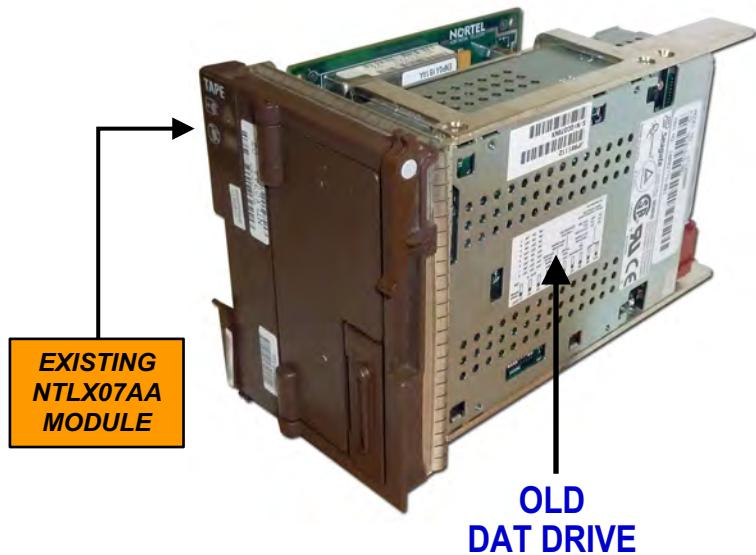
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## NEBS Certified - DMS-100 (XA-CORE, NTLX07AA) DAT Drive Solution from TAG

### NORTEL DMS-100 XA-CORE, NTLX07AA MODULE w/ DAT Tape Drive (w/ "MOVING PARTS")



### NEW SOLID STATE DRIVE FROM TAG



#### Application:

TAG can REPLACE the failing / broken Nortel DMS-100 DAT Tape Drive in the XA-CORE, NTLX07AA Module with a NEW Solid State Drive.

#### NEW SOLID STATE DRIVE AVAILABLE FROM TAG

| TAG MODEL #   | USED IN NTLX07AA MODULE (HECI ENPQA1B1AA)   |      |
|---|---|------|
| TSDT-NTLX07-01<br><br><u>MAT#</u><br><b>1495798</b> | Solid State Replacement for:<br><b>Nortel DMS-100 (HECI ENPQA1B1AA)</b><br><b>XA-CORE, NTLX07AA, DAT Tape Drive</b><br>Includes: 4Gb Industrial Compact Flash Card (# TSD-CF-04*) | 4 Gb |

\* Additional Compact Flash Cards are Available:  
4Gb (# TSD-CF-04, SAP MAT # 1343960), 8Gb (# TSD-CF-08), 16Gb (# TSD-CF-16), 32Gb (# TSD-CF-32)

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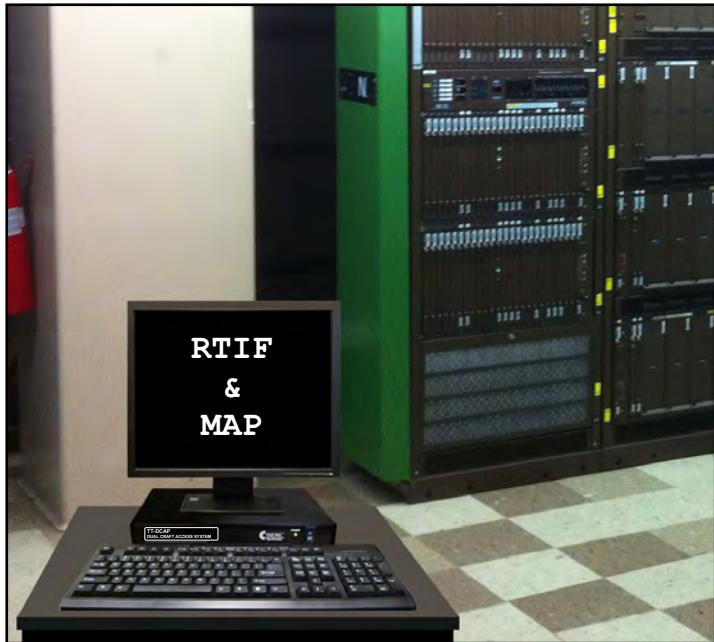
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**Telecom Assistance Group**

Telephone: (856) 753-8585  
Fax : (856) 768-7645

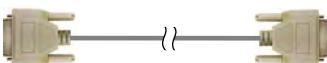
## DMS Replacement Terminals - Dual Session

### Model:

**TT-DCAP-DMSKIT**



### Kit Includes:

- (1) 17" Flat Screen Monitor
- (1) Dumb Terminal Controller
- (1) Keyboard
- (1) Quick Guide
- (2) 400700, (DB25F Gender Changer) 
- (1) 400725NTFX, (DB25F Null Adapter Cable, (2')) 
- (2) 400725SB2, (DMS Quick Connect Current Loop Adapter Cable w/ DEC Connector) 

### SPECIFICATIONS

- VT-100 COMPATIBLE
- DUAL RS-232 INPUTS
- PRINTER OUTPUT
- LOW POWER

### Printer Port Type:



Parallel \*

\* If a Serial Port is needed, please order a Parallel to Serial Adapter (# TT-PSA). Please call 856-753-8585 for more information.

### Ordering Information:

**TT-DCAP-DMSKIT DMS Dual Session Replacement Terminal Kit**

includes: (1) 17" Flat Screen Monitor, (1) Keyboard,  
 (1) Dual Session Dumb Terminal Controller, (1) Quick Guide,  
 (2) # 400700 (DB25F Gender Changer)  
 (1) # 400725NTFX (DB25F Null Adapter Cable, (2')) &  
 (2) # 400725SB2 (DMS Quick Connect Current Loop Adapter Cable w/ DEC Connector)

**Brightspeed SAP MAT #**  
**1332219**

**TT-DCAP**

**DMS Dual Session Replacement Terminal**

**1332260**

includes: (1) 17" Flat Screen Monitor, (1) Keyboard,  
 (1) Dual Session Dumb Terminal Controller, (1) Quick Guide  
 (1) # 400725NTFX (DB25F Null Adapter Cable, (2')) &  
 (2) # 400700 (DB25F Gender Changer)

**400725SB2**

**DMS Quick Connect Current Loop Adapter Cable w/ DEC Connector** **1332198**

**400725SBW**

**Hardwire Adapter (not shown) for 400725SB2** **1332199**

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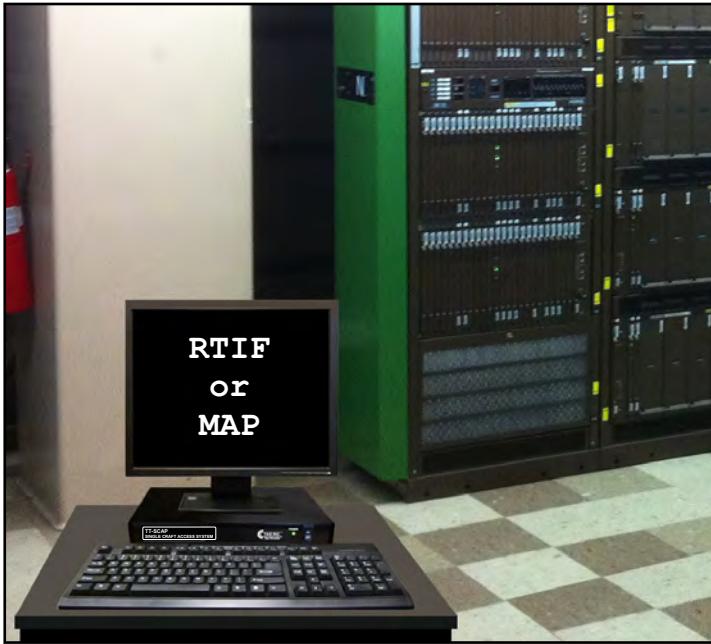
Telephone: (856) 753-8585  
 Fax : (856) 768-7645

**Telecom Assistance Group**

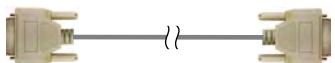
## DMS Replacement Terminals - Single Session

### Model:

**TT-SCAP-DMSKIT**



### Kit Includes:

- (1) 17" Flat Screen Monitor
- (1) Dumb Terminal Controller
- (1) Keyboard
- (1) Quick Guide
- (1) 400700, (DB25F Gender Changer) 
- (1) 400725NTFX, (DB25F Null Adapter Cable, (2')) 
- (1) 400725SB2, (DMS Quick Connect Current Loop Adapter Cable w/ DEC Connector) 

### SPECIFICATIONS

- VT-100 COMPATIBLE
- SINGLE RS-232 INPUT
- PRINTER OUTPUT
- LOW POWER

### Printer Port Type:



Parallel \*

*\* If a Serial Port is needed, please order a Parallel to Serial Adapter (# TT-PSA). Please call 856-753-8585 for more information.*

### **Ordering Information:**

**TT-SCAP-DMSKIT**

**DMS Single Session Replacement Terminal Kit**

includes: (1) 17" Flat Screen Monitor, (1) Keyboard, (1) Single Session Dumb Terminal Controller, (1) Quick Guide, (1) # 400700 (DB25F Gender Changer) (1) # 400725NTFX (DB25F Null Adapter Cable, (2')) & (1) # 400725SB2 (DMS Quick Connect Current Loop Adapter Cable w/ DEC Connector)

**Brightspeed SAP MAT #**

**1332218**

**400725SB2**

**DMS Quick Connect Current Loop Adapter Cable  
w/ DEC Connector**

**1332198**

**400725SBW**

**Hardwire Adapter (not shown) for 400725SB2**

**1332199**

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**Telecom Assistance Group**

## Single Session Dumb Terminals - Transport / DACS Equipment

**NEW TERMINAL WORKS ON**  
***Titan 5500, Stromberg Carlson (DCO),***  
***CS1, CS1L, DACS II, III, IV, Alcatel 1631 & HDSL***  
*(Titan 5500 shown below)*

**REMOVE & REPLACE  
OLD / BROKEN CRTs**

**Brightspeed SAP MAT #**  
**1332217**



### **SPECIFICATIONS**

- VT-100 COMPATIBLE
- SINGLE RS-232 INPUT
- PRINTER OUTPUT
- LOW POWER

### **New Terminal Includes:**

- (1) 17" Flat Screen Monitor
- (1) Dumb Terminal Controller
- (1) Keyboard
- (1) Quick Guide
- (1) 400701, (DB25M Gender Changer)

### **Ordering Information:**

**TT-VT100S Single Session Dumb Terminal - Transport / DACS**

**1332217**

includes: (1) 17" Flat Screen Monitor, (1) Keyboard,  
 (1) Single Session Dumb Terminal Controller,  
 (1) DB25M Gender Changer & (1) Quick Guide

**Brightspeed SAP MAT #**

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## 5ESS Terminal Replacements - Dual Session

### Model:

**TT-DCAPCE-N**



### Kit Includes:

- (1) 17" Flat Screen Monitor
- (1) Dumb Terminal Controller
- (1) Keyboard
- (1) Quick Guide
- (2) 400701, (DB25M Gender Changer)
   

- (2) 400700N, (DB25F Gender Changer - NULL)
   


### SPECIFICATIONS

- VT-100 COMPATIBLE
- DUAL RS-232 INPUTS
- PRINTER OUTPUT
- LOW POWER



### Ordering Information:

**TT-DCAPCE-N      Dual Craft Access System Kit - 5ESS**

includes: (1) 17" Flat Screen Monitor  
 (1) Keyboard  
 (1) Dual Session Dumb Terminal Controller  
 (1) Quick Guide  
 (2) # 400701 (DB25M Gender Changer)  
 (2) # 400700N (DB25F Gender Changer - NULL)

Brightspeed SAP MAT #

**1444029**

150 Cooper Rd. (F-15)  
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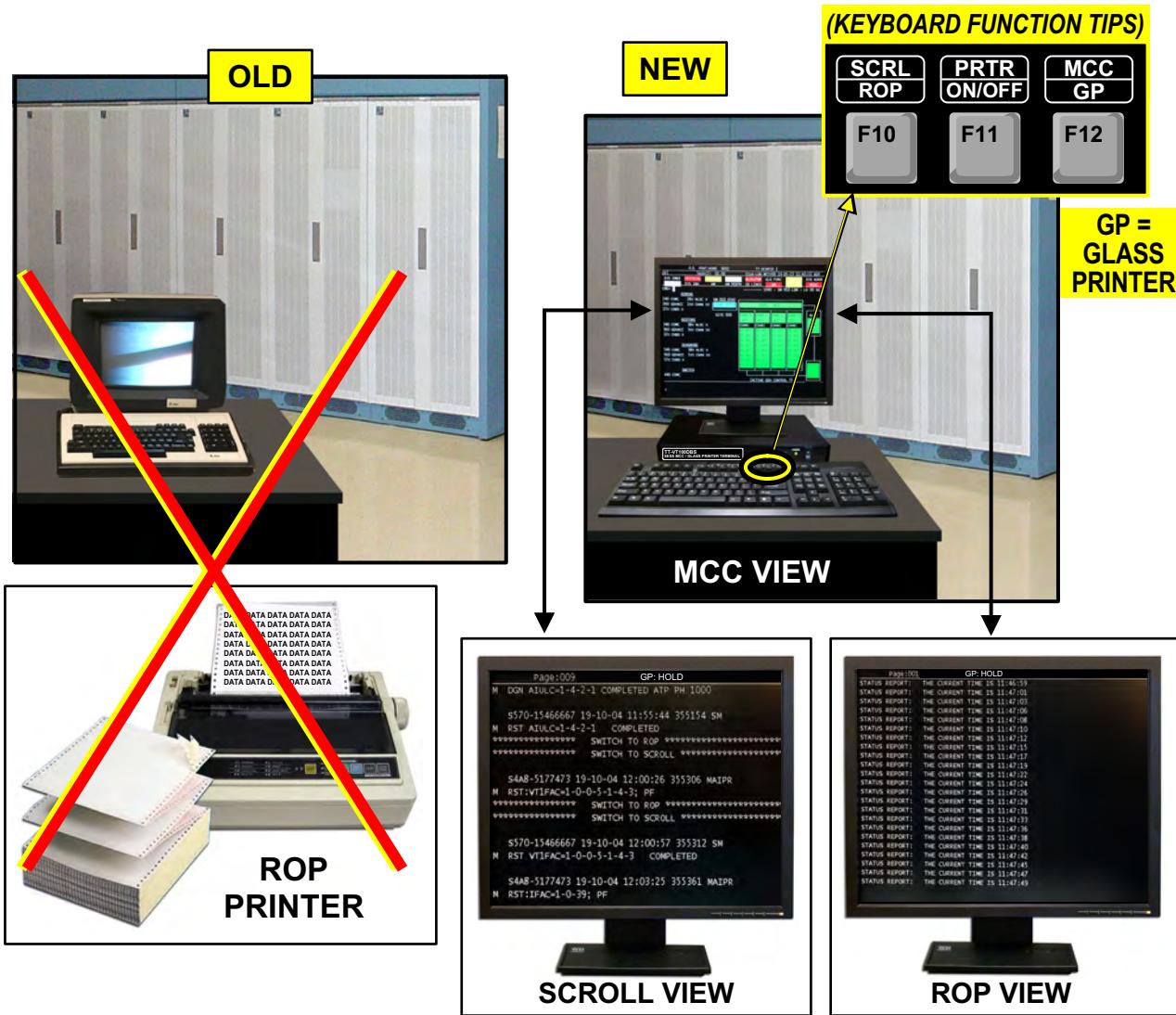
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## 5ESS MCC Terminal w/ "Glass Printer" Feature

**NEW "Glass Printer" Feature allows  
Capture of ROP & Scroll Reports**

### **Benefits:**

- CAPTURE SCROLLING REGION & ROP INFORMATION WITHOUT PAPER
- ELIMINATE OLD TERMINALS, READ ONLY PRINTERS & PAPER WASTE



### **Ordering Information:**

**TT-VT100DBS 5ESS MCC Terminal w/ "Glass Printer" Feature**

includes: (1) 17" Flat Screen Monitor, (1) Keyboard,  
(1) MCC Terminal Controller w/ Glass Printer (Capture Scroll & ROP),  
(2) # 400701, DB25M Gender Changers & (1) Quick Guide

**Brightspeed SAP MAT #**

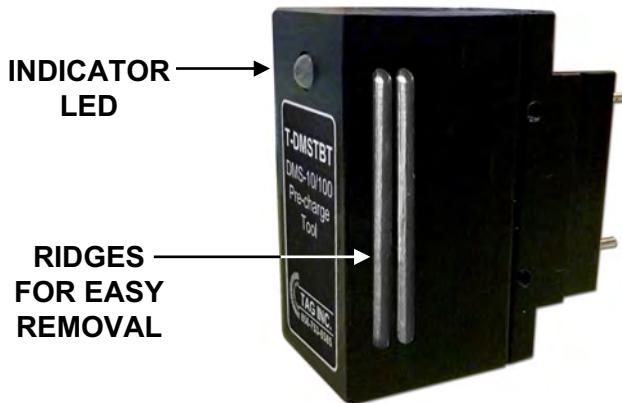
**1482000**

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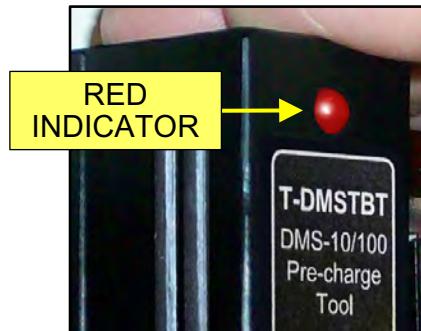
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**Telecom Assistance Group**

**DMS-10/100 Pre-Charge Tool****T-DMSTBT**

**PN # T-DMSTBT**  
**DMS-10/100 Pre-Charge Tool**  
*(replacement for NTA0600512)*



- THE INDICATOR GOES OUT WHEN IT IS SAFE TO INSTALL THE FUSE (APPROX. 10 SEC.).
- IF THE INDICATOR STAYS LIT, THERE IS A LOAD OR FAULT ON THE CIRCUIT.

**Application:**

TAG's # T-DMSTBT is used to pre-charge shelf power capacitors on a DMS-10/100 switch. This allows a new fuse to be installed without seeing full in-rush surge current. The indicator light goes out when it is safe to install the fuse.

**Ordering Information:****T-DMSTBT****DMS-10/100 Pre-Charge Tool***(replacement for NTA0600512)***MAT #****1463935**

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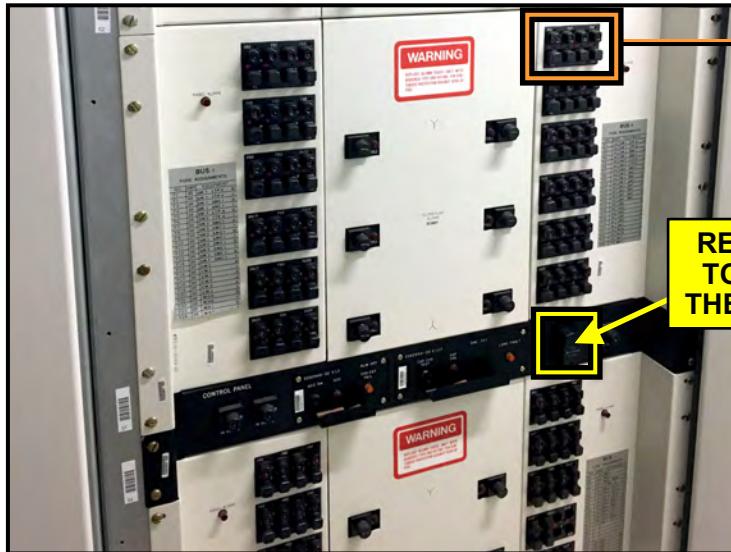
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**Telecom Assistance Group**

## 5ESS "Pre-Charge" Tool

## T-5ESSPCT

5ESS Fuse Bay Control Panel,  
Lucent # ED-83024-30



**PN # T-5ESSPCT**  
5ESS Pre-Charge Tool  
(control panel pre-charge  
tool replacement)

**Application:**

TAG's PN # T-5ESSPCT is used to pre-charge shelf power capacitors of a 5ESS switch. This allows a new fuse to be installed without seeing full in-rush surge current. The indicator light goes out when it is safe to install the fuse.

1. INSERT PROBE (ALARM FUSE)
2. PRESS TEST BUTTON
3. RED & GRN LEDS WILL LIGHT
4. 4-6 SEC LEDS WILL GO OUT
5. INSTALL MAIN FUSE
6. IF RED LED STAYS ON EXCESS LOAD OR SHORT IS PRESENT

**Ordering Information:**

T-5ESSPCT

5ESS "Pre-Charge" Tool for Capacitor Charging at Main Fuse Bay  
(control panel pre-charge tool replacement)

**MAT #**

1496454

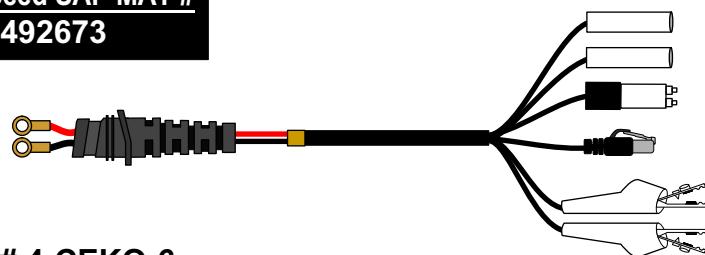
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## Weatherproof Hardwire Multi-Cords

**Brightspeed SAP MAT #**  
**1492673**

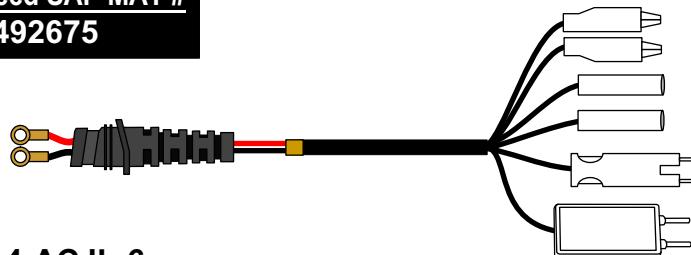


**PART # 4-CEKO-6**

Weatherproof Hardwire to  
Wire Wraps / 453A / Snagless RJ11 / 6P Alligator Clips, (6')

- Use with Deluxe Weatherproof Butt-Sets

**Brightspeed SAP MAT #**  
**1492675**

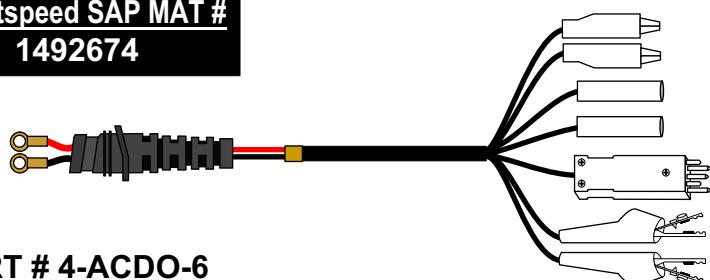


**PART # 4-ACJL-6**

Weatherproof Hardwire to  
Alligator Clips / Wire Wraps / 526P (Porta) / SLC 96, (6')

- Use with Deluxe Weatherproof Butt-Sets

**Brightspeed SAP MAT #**  
**1492674**

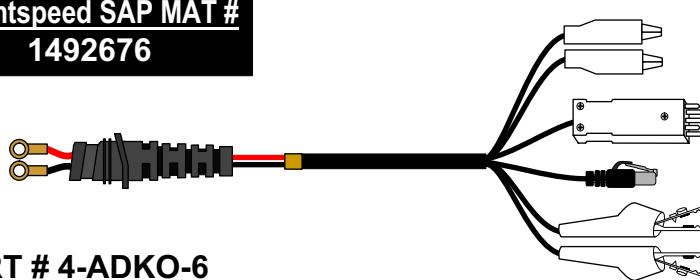


**PART # 4-ACDO-6**

Weatherproof Hardwire to  
Alligator Clips / Wire Wraps / 463A Protector / 6P Alligator Clips, (6')

- Use with Deluxe Weatherproof Butt-Sets

**Brightspeed SAP MAT #**  
**1492676**



**PART # 4-ADKO-6**

Weatherproof Hardwire to  
Alligator Clips / 463A Protector / Snagless RJ11 / 6P Alligator Clips, (6')

- Use with Deluxe Weatherproof Butt-Sets

**\*\*\* TAG can make Butt-Set Multi-Cords specifically to your design \*\*\***

**For more information: Please Call 856-753-8585 or Visit [www.tagcords.com](http://www.tagcords.com)**

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Fax : (856) 768-7645



| Part #   | Description  | Brightspeed SAP MAT # | MAT #   |
|--|--|-----------------------|---------|
| <b>5ESS FANS</b>                                 |  |                       |         |
| TF-5ESS-01P                                      | KS22501L3 Equiv. <b>5ESS</b> Fan w/ 3 Leads & AMP Connector w/ power prongs                                    |                       | 1341583 |
| TF-5ESS-01F                                      | KS22501L3 Equiv. <b>5ESS</b> Fan w/ 3 Leads & Faston Connectors w/ power prongs                                |                       | 1341520 |
| TF-5ESS-02P                                      | KS23912L1A Equiv. <b>5ESS</b> Fan w/ 5 Leads & AMP Connector<br>(w/ Internal Thermal Speed Control Sensor)     | 1330513               | 1330513 |
| TF-5ESS-02F                                      | KS23912L1A Equiv. <b>5ESS</b> Fan w/ 5 Leads & Faston Connectors<br>(w/ Internal Thermal Speed Control Sensor) |                       | 1330515 |
| TF-5ESS-03P                                      | KS23912L2 Equiv. <b>5ESS</b> Fan w/ 4 Leads & AMP Connector  | 1338991               | 1338991 |
| TF-5ESS-04P                                      | KS22501L3A Equiv. <b>5ESS</b> Fan w/ 5 Leads & AMP Connector   | 1341163               | 1341163 |
| TF-5ESS-04F                                      | KS22501L3A Equiv. <b>5ESS</b> Fan w/ 5 Leads & Faston Connectors   | 1332759               | 1332759 |
| TF-5ESS-10P                                      | KS2398L2 Equiv. <b>5ESS</b> ISLU (Square Fan) w/ 5 Leads & AMP Connector                                       |                       | 1341565 |
| <b>ADTRAN FANS</b>                               |  |                       |         |
| TF-TA3000-01                                     | Adtran TA3000, 48V Fan w/ 3 Wire Plug (use in HECL: M3PQ0AV, 1181006L1)  |                       | 1479267 |
| TF-TA5K-01                                       | Adtran TA5000, 48V Fan w/ 4 Wire Plug  |                       | 1359596 |
| TF-TA5K-02                                       | Adtran TA5000, 48V Fan w/ 3 Wire Plug  | 1359595               | 1359595 |
| <b>ALCATEL FANS</b>                              |  |                       |         |
| TF-ALC-01  | Alcatel 1000/7300, 48V Fan w/ Tach (use in 3EC 15478, 3EC 37933 & 3EC 36760 Fan Trays)                         | 1337633               | 1337633 |
| TF-AL7300-02                                     | Alcatel 7300, 48V Fan w/ Internal Sensor & Tach output (use in 3EC 16697 (XXXX))                               |                       | 1341521 |
| TF-DSCECS1-01                                    | DSC / Alcatel ECS1, 48V Fan  |                       | 1341522 |
| TF-ALC1603-01                                    | Alcatel 1603, 48V Fan w/ 3 Wire Plug (use in Low-Volume Fan Tray # 625052-000-0XX)                             | 1475327               | 1475327 |
| TF-ALC1631-01                                    | Alcatel 1631, 48V Fan (Square) w/ Power Prongs (use in Assembly # 695-3363-302)                                |                       | 1359594 |
| TF-ALC1631-02                                    | Alcatel 1631, 48V Fan (Round) w/ Power Prongs & Tach Lead (use in #3AL45446AA)                                 |                       | 1359611 |
| TF-ALC1631-03                                    | Alcatel 1631 APS, 48V Fan (Square) w/ Pwr Prongs & Tach Lead (use in #695-8489-001)                            |                       |         |
| TF-ALC1680-01                                    | Alcatel 1680 OGX, 48V Fan (Round) w/ Pwr Prongs & Tach Lead (use in #3EM04820AA)                               |                       |         |
| <b>BIGBAND / ADC FANS</b>                        |  |                       |         |
| TF-BIGBND-01                                     | BigBand, 12V w/ 3 Wire Open End Fan (w/ Speed Control)   |                       | 1341523 |
| TF-BIGBND-03SR                                   | BigBand Shelf / Door Repair  |                       | 7005999 |
| TF-BIGBPS-01                                     | 12V Fan (40mm) w/ 3 Wire Plug for BigBand (FTTP bays) & ADC RF Worx Power Supplies                             |                       |         |
| <b>CIENA FANS</b>                                |  |                       |         |
| TF-CN3916-K50                                    | Fan Kit for Ciena 3916 # 170-3916-904, (Kit includes (50) 12V (40x40x10mm) Fans)                               |                       | 1501840 |
| TF-CN1600-01                                     | Ciena 1600 DWDM, 48V Fan (fan only, mounting bracket is not included)  |                       | 1341524 |
| TF-DN7100-01                                     | Ciena DN7100, 12V Fan w/ 3 Wire Plug   |                       |         |
| TF-DN7100-02                                     | Ciena DN7100, 12V Fan w/ 3 Wire Plug   |                       |         |
| <b>DSC DEX600E FANS</b>                          |  |                       |         |
| TF-DEXLAP-01                                     | DEX600E MSP Bay Fan (LAP Fan)  |                       | 1341525 |
| TF-DEXDSI-01                                     | DEX600E DSI Bay Fan (DSI (FAIC) type cards)  |                       | 1341526 |
| TF-DEXDTI-01                                     | DEX600E DTI Bay Fan (DTI (AMM) type cards)   |                       | 1341527 |
| TF-DEXCS3-01                                     | DEX600E CS3, 48V Fan   |                       | 1341528 |
| <b>CISCO 15454 / CALIX E7 / KENTROX FANS</b>     |  |                       |         |
| TF-C15454-01                                     | Cisco ONS 15454, 48V Fan w/ 3 Wire Right Angle Connector   |                       | 1356197 |
| TF-CLXE7-01                                      | Calix E7-2 FTA2 Fan Unit, 12V (40mm x 20mm) Fan for w/ 4 Wire Plug   | 1490737               | 1490737 |
| TF-AI-180  | Kentrox AIswitch Series 180, 48V Cooling Fan   |                       | 1437966 |
| <b>DATAKIT / FUJITSU / GALAXY RECTIFIER FANS</b> |  |                       |         |
| TF-DATAKIT-01                                    | 24V Fan for Datakit System w/ 3 Wire, 4 Pin Connector  |                       |         |
| TF-FW4500-01                                     | 48V Fan for Flashwave 4500 Fan Unit w/ 4 Wire Plug (for # FC9580FAN1, SNPQCUG5AB)                              |                       |         |
| TF-FLM150-01                                     | 48V (80mm) Fan for Fujitsu FLM 150 Fan Tray w/ 3 Wire Plug   |                       |         |
| TF-GLX595LTB-01                                  | 48V Fan for Galaxy 595LTB Rectifier w/ 4 Wire Plug   |                       | 1462387 |
| <b>LORAIN / MARCONI RECTIFIER FANS</b>           |  |                       |         |
| TFT-MRECT  | New Fan Tray Assembly for Vortex Rectifier (Lorain/Marconi 104545) (V200D50)                                   |                       | 1341614 |
| TF-MREC-01                                       | Vortex Rectifier (Lorain / Marconi) (V200D50), 24V Fan w/ 3 Wire Open End                                      |                       |         |
| TF-MREC-02                                       | Vortex Rectifier (Lorain/Marconi), 24V Fan & 3 Wire Plug (use in V200E50)                                      |                       | 1341615 |
| TF-RHM400-01                                     | RHM-400/800 Rectifier Unit (Lorain/Marconi), 220VAC Fan  |                       | 1341529 |
| TF-LRA50B50-01                                   | Lorain Rectifier (A50B50), 48V Fan w/ 2 Wire Plug  |                       | 1444636 |
| TF-LRV50B50-01                                   | Lorain Rectifier (V50B50), 24V Fan w/ 3 Wire Plug  |                       |         |



| Part #   | Description   | Brightspeed SAP MAT # | MAT #   |
|--|---|-----------------------|---------|
| <b>LUCENT FANS (CBX500, DDM-2000, FT-2000, METROPOLIS, DACS III / IV)</b>      |   |                       |         |
| TF-DDM201  | <b>Lucent DDM-2000, 24V Fan</b>   | 1341530               | 1341530 |
| TF-DDM201-KIT1   | <b>Lucent DDM-2000, 24V Fan Kit w/ Mounting Plate</b>   | 1341531               | 1341531 |
| TF-DDM202  | <b>Lucent DDM-2000, 48V Fan (fan only, mounting not included)</b>   |                       | 1359610 |
| TF-CBX500-01   | <b>Lucent CBX500 OCD, 12V Cooling Fan w/ 3 Wire Pins</b>  |                       | 1336683 |
| TF-FT201   | <b>Lucent FT-2000, 48V Fan w/ 3 Wire Plug</b>   |                       | 1341533 |
| TF-DMXMET-01   | <b>Lucent Metropolis DMX, 48V Fan w/ 4 Wire Plug</b>  |                       | 1341532 |
| TF-DMXMET-02   | <b>Lucent Metropolis DMX Access Multiplexer, 48V Fan w/ 4 Wire Black Plug</b>   |                       |         |
| TF-DACS3/4-01  | <b>Lucent DACS III / IV, 48V Fan w/ 4 Wire Plug (Equiv. to KS23913L1)</b>   |                       | 1341534 |
| TF-DACS3/4-02  | <b>Lucent DACS III / IV, 48V Fan w/ 5 Wire Plug (Equiv. to KS23913L1)</b>   |                       | 1359609 |
| TF-DACSK1-01   | <b>Alcatel-Lucent DACS K01, 48V Fan w/ 3 Wire Open End (includes (2) butt splices)</b>  |                       |         |
| <b>NEC FANS</b>  |   |                       |         |
| TF-NEC-01  | <b>NEC, 48V Fan (fan only) (FD-31201A / FD-32401A)</b>  |                       | 1341428 |
| TF-NEC01-KIT1  | <b>NEC, 48V Fan Kit w/ Mounting &amp; Guard Grill (FD-31201A / FD-32401A)</b>   |                       | 1341429 |
| TF-NEC-02  | <b>NEC, 48V Fan (fan only) (ITS-2400)</b>   |                       | 1341500 |
| TF-NEC02-KIT1  | <b>NEC, 48V Fan Kit w/ Mounting &amp; Guard Grill (ITS-2400)</b>  |                       | 1341501 |
| TF-NEC-03  | <b>NEC, 48V Fan (fan only) (ITS-2400V FL)</b>   |                       | 1341502 |
| <b>NORTEL FANS (DMS, Carrier VoIP, DPCC SuperNode "Squirrel Cage" Blowers)</b> |   |                       |         |
| TFT-3X9013T<br>** NEW **   | <b>TAG Universal DMS-100 3X9013 Fan Tray</b><br>(NEW TRAY is pre-assembled w/ (5) NEW fans, Alarm Board, Wiring Harness w/ Connector & Universal Mounting Holes for NT3X90AA, NT3X90AB, NT3X90AC & NT3X90AF cooling units) - No 24VAC Inverters - No Paddle Sensors | 1492217               | 1492217 |
| TF-DMS01   | <b>DMS-100, 48V Fan w/ Power Prongs (use in NT3X90AC / NTBX63AA fan trays)</b>  | 1330636               | 1330636 |
| TF-DMS02   | <b>DMS-1U, 48V Fan Pwr Prongs w/ 4 clear, unthreaded (use in NT3X90AC / NTBX63AA trays)</b>   |                       | 1341504 |
| TF-DMS03   | <b>DMS-100, 48V Fan w/ TTL Tach &amp; 3 Wire Plug (use in NT3X90AF fan trays)</b>   | 1330361               | 1330361 |
| TFC-3X90AF-01  | <b>DMS-100, Fan Alarm Board for the NT3X90AF Cooling Fan Unit</b>   |                       | 1475822 |
| TF-DMS04AC   | <b>DMS-100, 24VAC Fan w/ Power Prongs</b>   | 1341495               | 1341495 |
| TF-RX50FF-01   | <b>DMS SDM, 12V Fan w/ 3 Wire Plug &amp; Speed Control (use in Nortel shelf # NTRX50FF)</b>   |                       |         |
| TF-DMS-NTRX91  | <b>DMS-100, 48V Fan (use in NTRX91AA / NT0X91AA, CLEI: ENMYACM)</b>   | 1349234               | 1349234 |
| TF-DMS10-01  | <b>DMS-10, 48V Fan w/ Power Prongs</b>  | 1341506               | 1341506 |
| TF-DMS-FOS   | <b>Nortel IW SPM-IP, 48V Fan for NTLX56AA Fan Assemblies (fan only)</b>   |                       | 1341507 |
| TF-MG9K-01   | <b>Nortel / GENBAND Media Gateway 9000, 48V Fan w/ 3 Wire Plug (for NNTNY18AA)</b>  |                       | 1359401 |
| TLMP-DMFA-10   | <b>DMS Fan Alarm Repl. Lamp ("Fan Fail" / "Frame Fail") (QTY of 10)</b>   |                       | 1474165 |
| TLMP-DMFA-25   | <b>DMS Fan Alarm Repl. Lamp ("Fan Fail" / "Frame Fail") (QTY of 25)</b>   |                       | 1474166 |
| TLMP-DMSA-10   | <b>DMS Aisle Alarm Repl. Lamp (QTY of 10)</b>   |                       | 1474167 |
| TF-DMSLGN6-01  | <b>DMS-500/250 DPCC (225mm) Impeller Fan for XA-Core Blower Drawer w/ 4 Wire Plug (fan only, use in existing tray # NTLX10AA, drawer # NTLX11AA)</b>  |                       |         |
| TF-DMSMCL-02   | <b>DMS-100 Dual-Scroll Blower Replacement Unit w/ (1) 4 pin plug &amp; (1) 3 pin plug (includes (1) 3 pin adapter cable (used in NT9X950 "w/ hanging blowers" (replaces # A0383325 &amp; A0381714))(commonly found in DPCC / LIM / ENET bays)</b>                   | 1490298               |         |
| TFC-DMSAPW-3   | <b>Alarm Board Replacement for DMS LIM / ENET Blower</b>  |                       |         |
| TF-DMSLGN5   | <b>DMS-100 DPCC SuperNode Blower "Squirrel Cage" Replacement w/ Internal Sensor (use in NT9X01XX DPCC, (replaces A0345301))</b>   | 1355241               | 1355241 |
| <b>SIEMENS EWSD FANS</b>   |   |                       |         |
| TF-EWSD-01   | <b>Siemens EWSD, Square 48V Fan w/ Power Prongs (fan only, use with existing guard grill)</b>   |                       | 1341508 |
| TF-EWSD-02   | <b>Siemens EWSD, Round 48V Fan w/ Power Prongs (fan only, use with existing guard grill)</b>  |                       |         |
| <b>STP RING NODE / PATHTRACK (JDSU) / TELLABS FANS</b>                         |   |                       |         |
| TF-STPRN-01  | <b>STP Ring Node Frame/Cabinet, 48V Fan w/ 5 Wire Plug</b>  |                       |         |
| TF-HCU1500-01  | <b>JDSU PathTrak HCU 1500, 24V Fan w/ 2 Wire Plug</b>   |                       |         |
| TF-TL6500-01   | <b>Tellabs 6500, 12V Fan w/ 4 Wire Plug</b>   |                       |         |



| Part #  | Description  | Brightspeed SAP MAT # | MAT #   |
|---|--|-----------------------|---------|
| <b>STROMBERG CARLSON DCO FANS</b>                         |  |                       |         |
| TF-DCOCMF-01  | 48V Fan for <b>Stromberg Carlson DCO CMF Bay</b> w/ 3 Leads & Fastons                            |                       |         |
| TF-DCODCF-01  | 48V Fan for <b>Stromberg Carlson DCO DCF Bay</b> w/ 3 Leads & Spade Lugs                         |                       |         |
| TF-DCONHD-01  | 48V Fan for <b>Stromberg Carlson DCO Non-HD CMF Bay</b> w/ 2 Wire Open End                       |                       | 1441092 |
| TF-DCOMEF-01  | 48V Fan for <b>Stromberg Carlson DCO MEF Bay</b> (80mm x 45mm) w/ 3 Wire Plug                    |                       | 1441093 |
| TF-DCO-02   | 48V Fan for <b>Stromberg Carlson DCO CMF / DTF Bay</b> w/ 3 Leads & Fastons                      | 1439624               | 1439624 |
| <b>TELCO SYSTEMS FANS (EDGELINK 100 / AXX330G1, M560)</b> |  |                       |         |
| TF-EL100  | <b>Edgelink 100</b> , Fan (40mm)   | 1341510               | 1341510 |
| TF-EL100DET   | <b>Edgelink 100</b> , Detector PC Board (Equiv. to CCA591G1)                                     |                       | 1341511 |
| TF-EL100-KIT2   | <b>Edgelink 100</b> , Fan Kit (40mm)   |                       | 1341512 |
| TF-EL100-02   | <b>Edgelink 100</b> , Fan (35mm)   | 1341513               | 1341513 |
| TF-EL330-01   | <b>Edgelink AXX330G1</b> , Fan (80mm) w/ 3 Wire Plug   |                       |         |
| TF-TEL560-01  | <b>Telco Systems M560 Fiber Optic Terminal</b> , 48V Fan   |                       | 1341509 |
| <b>WAVESTAR / WIDEBAND 3190 FANS</b>                      |  |                       |         |
| TF-WSTR-01  | <b>WaveStar TDM 10G</b> , 48V Fan w/ 3 Wire Plug   |                       | 1341514 |
| TF-WB3190   | <b>Wideband 3190</b> , 48V Fan w/ 3 Wire Plug  |                       | 1341515 |
| <b>OSP CABINET / TRAY FANS &amp; ALARM CONTROL BOARDS</b> |  |                       |         |
| TF-NTOPAC   | 48V Fan for <b>Nortel Opac / OPM Cabinet</b> w/ Round Weatherproof Connector                     | 1337634               | 1337634 |
| TF-NTOPAC-02  | 48V Fan for <b>Nortel Opac / OPM Cabinet</b> w/ Sealed 3 Pin Plug                                | 1337635               | 1337635 |
| TF-NTOPAC-3   | 48V Fan for <b>Nortel Opac / OPM Cabinet</b> w/ 3 Wire Open End (no connector)                   | 1341516               | 1341516 |
| TF-NTOPAC-04  | 48V Fan for <b>Nortel Opac / OPM Cabinet</b> w/ Sealed 3 Pin Plug                                |                       | 1341517 |
| TFG-162KIT-01   | <b>Guard Grill</b> Repl. Kit for Round <b>162mm</b> Fans (includes hardware)                     |                       |         |
| TF-NTOPAC-05  | 48V Fan for <b>Nortel Opac Access Node Tray / 800A</b> w/ 3 Wire (FPS Lead) & 3 Pin              |                       | 7017863 |
| TF-NTOPAC-05F   | 48V Fan for <b>Nortel Opac Access Node Tray</b> w/ Power Prongs, Untermin. FPS Lead              |                       |         |
| TF-NTANCFT-01   | 48V Fan for <b>Nortel Access Node/Charles Fan Tray</b> (92-FAN840-X) w/ 3 Wire Plug              |                       |         |
| TF-DMS06  | 48V Fan for <b>BFU in DMS-100 OPM Cbnt</b> w/ Pwr Prongs & Unterminated Tach Lead                |                       | 1359400 |
| TFR-8X06ABT   | <b>Tray Refurbish-Paddleless Alarm Conversion Upgrade</b> for <b>DMS OPM NT8X06AB</b>            |                       |         |
| TF-SLCAPW-01  | (1) 48V Fan for <b>SLC 2000 Cabinet - Reltec/Mclean APW Tray</b> w/ 3 Wire Open End              |                       | 1358927 |
| TF-SLCAPW-04  | (4) 48V Fans for <b>SLC 2000 Cabinet - Reltec/Mclean APW Tray</b> w/ 3 Wire Open End             | 1358928               | 1358928 |
| TFC-SLCAPW-4  | <b>Alarm Control Board</b> for <b>Reltec/Mclean APW Fan Tray</b>                                 |                       | 1459111 |
| TF-SLC201-02  | 48V Heat Exchanger for <b>80 Type Cabinet</b> w/ Round Screw on Connector (KS23912L4)            | 1337731               | 1337731 |
| TFC-114A-01   | <b>114A Fan Control Unit</b> for <b>80 Type Cabinet</b> Heat Exchangers (equiv. to 106894934)    |                       | 1355243 |
| TFC-LU4-01  | <b>Alarm Control Board</b> for <b>Lucent 4A/4B, 4G/SLC2000</b> Trays & <b>114A</b> Control Units |                       | 1355244 |
| TF-SLCBC-01   | 48V Battery Cooling fan for <b>80 Type Cabinet</b> w/ 3 Wire Plug                                |                       | 1461343 |
| TFC-116A-01   | <b>Alarm Control Board</b> for <b>Lucent 116A Battery</b> Fan Unit (customer supplied bracket)   |                       | 1459078 |
| TF-SLC201   | 48V Fan for <b>SLC 2000 - Lucent 4A/4B</b> Tray w/ 5 Wire Plug (KS23912L6 equiv.)                | 1336047               | 1336047 |
| TF-LU2A   | 48V Fan for <b>Lucent 2A</b> Fan Tray w/ 3 Leads & Fastons (KS22501L5 equiv.)                    |                       | 1336048 |
| TF-LU2B   | 48V Fan for <b>Lucent 2B</b> Fan Tray w/ 3 Wire Plug (KS22501L5A equiv.)                         |                       | 1336049 |
| TF-LU2C   | 48V Fan for <b>Lucent 2C</b> Fan Tray w/ 3 Wire Plug (KS22501L5A equiv.)                         |                       | 1336060 |
| TFC-LU2BC-01  | <b>Alarm Control Board</b> for <b>Lucent 2B &amp; 2C</b> Fan Trays                               |                       | 1458909 |
| TF-LU2C-02F   | 48V Fan for <b>Lucent 2C</b> Fan Tray w/ 3 Wires & Faston Connectors                             |                       |         |
| TF-ES660-01   | 24V ( <b>60x25mm</b> ) Fan for <b>Lucent ES660 Rectifier Unit</b> w/ 2 Wire Plug                 |                       |         |
| TF-RECARGUS-01  | 12V ( <b>80mm</b> ) Fan for <b>Argus Rectifier</b> w/ 2 Wire Plug                                |                       |         |
| TF-RECARGUS-02  | 24V ( <b>80mm</b> ) Fan for <b>Argus Rectifier</b> w/ 2 Wire Right Angle Plug                    |                       | 1474133 |
| TF-RECARGUS-03  | 24V ( <b>80mm</b> ) Fan for <b>Argus Rectifier</b> w/ 2 Wire Right Angle Plug & Threaded Inserts |                       |         |
| TF-RECARGUS-04  | 12V ( <b>120mm</b> ) Fan for <b>Argus Rectifier</b> w/ 2 Wire Open End                           |                       |         |
| TF-ALC7330-4  | <b>Alcatel 7330 VRAD Fan Kit</b> w/ Quick Install Template Plate                                 |                       | 1341518 |
| TF-ALC7330-C  | (1) 48V Fan for <b>Alcatel 7330 VRAD</b> Tray w/ 3 Wire Open End (for splicing)                  |                       | 1341616 |
| TF-ALC1218-01   | 24V Fan for <b>Alcatel 1218 Cabinet</b> Fan Trays w/ 2 Wire, 3 Pin Connector                     |                       |         |
| TF-ALC1218-02   | 48V Fan for <b>Alcatel 1218 Cabinet Roof</b> w/ 2 Unterminated Leads                             |                       |         |
| TF-ALC7342-01   | 48V Fan for <b>Nokia 7342 Rolt Fan Tray</b> w/ 4 Wire Plug                                       |                       |         |



| Part #   | Description   | Brightspeed SAP MAT # | MAT #   |
|--|---|-----------------------|---------|
| <b>OSP CABINET / TRAY FANS &amp; ALARM CONTROL BOARDS - continued from previous page</b> |   |                       |         |
| TF-COM6DF-01   | 48V Fan for CommScope Cbnt, 6D/F Bay w/ Internal Thermal Sensor & 3W, 6 Pin   |                       | 1355242 |
| TF-COM6DF-02   | 48V Fan for CommScope Cabinet, ALP HX Door w/ 5 Wire, 6 Pin Connector   |                       |         |
| TF-COM6DF-02R  | 48V Fan for CommScope 52/82 Cbnt, HX Door w/ 5W, 6 Pin (w/10k thermistor cbl)   |                       | 1465437 |
| TF-COM6DF-04   | <b>48V Fan for CommScope Cabinet, 6D/F Bay w/ Internal Therm Sensor &amp; 3W, 4 Pin</b>   |                       | 1466315 |
| TF-COM6BC-01   | 48V Fan for CommScope Cabinet, 6B/C Battery/ALP HX Door w/ 3 Wire, 4 Pin  |                       | 1439621 |
| TF-COM52E-01   | 48V Fan for CommScope 52E Cabinet, Battery w/ (1) 2W, 4 Pin & (1) 2W, 2 Pin   |                       | 1466728 |
| TFT-COM48B-01  | "Salt Air Door Fan Tray" 3-Fan Stainless Steel Assembly for CommScope ALP 448/248 HX Door Fans (includes: (3) NEW 48V FANS (# TF-COM6DF-02B) & Grommet) |                       |         |
| TF-FUJ6200-01  | 48V Heat Exchanger for Fujitsu 6200 Cabinet w/ 5 Wire Plug  |                       | 1359018 |
| TF-FUJ6200-02  | 48V Fan for Fujitsu 6200 Cabinet Tray w/ Power Prongs   |                       |         |
| TF-FUJ6200-03  | 48V Fan for Fujitsu 6200 Cabinet Tray w/ 3 Wire Open End & Power Prongs   |                       |         |
| TF-CREX-01   | 48V Fan for NEC C-REX Cabinet w/ 4 Wire Plug (use in Zhone ISC-303 trays)   |                       | 1355199 |
| TF-CREX-02   | 48V Fan for NEC C-REX Cabinet w/ 2 Wire Open End (use in # F2876A)  |                       | 1355240 |
| TFC-F2876A   | <b>Alarm Control Board Replacement for NEC Fan Shelf # F2876A</b>   |                       | 1479394 |
| TF-CREX-03   | 48V Fan for NEC C-REX Cabinet ECU w/ 3 Wire Open End (use in NEC Y4899A/74884A)   |                       | 1461017 |
| TF-DISCSCPU-01   | 48V Cooling Fan for DISC*S CPU w/ 2 Wire Open End (fan only, use with existing bracket)   |                       | 1479944 |
| TF-CN5150HX-01   | 48V HX for Telamon / Ciena 5150 EMUX Cbnt Door w/ 4 Wires & Sealed Connector  |                       |         |
| TF-AI-SCT-01   | 48V (80mm) Fan for AISCOUT w/ 3 Wire Right Angle Plug   |                       |         |
| TFT-SLC96-AC01   | 110VAC Fan w/ Bracket Assembly for SLC96 (36 Type) Cabinet (KS22099L5 Equiv.)   | 1356198               | 1356198 |
| TFT-SLC96-AC01L  | 110VAC (Low Temp) Fan w/ Bkt Assembly for SLC96 (36 Type) Cbnt (KS22099L5)  |                       |         |
| TF-SLC96-AC02  | 110VAC Fan (fan only) for SLC96 (36 Type) Cabinet (use in KS22099L5)  |                       | 1356199 |
| TF-LS2000-01   | 48V Fan for Litespan 2000 PDFA w/ 3 Wire Plug & Guard Grill (use in # 500-1126-723)   |                       | 1341519 |
| TFC-PDFA-X2  | <b>Alarm Control Board for Litespan 2000 PDFA Trays</b> (use in Fan Tray # 500-1126-723)  |                       |         |
| TF-LS2000-02   | 48V Fan for Litespan 2000 High Velocity PDFA w/ 3 Wire Connector  |                       | 1356400 |
| TFC-PDFA-01  | <b>Alarm Control Board for Litespan 2000 HV PDFA Fan Trays</b> (use in # 509-0000-086/163)  |                       |         |
| TF-LS2000-03   | 48V Heat Exchanger for Litespan 2000 Cabinet w/ Unterminated Leads  |                       | 1359389 |
| TF-LS2KSB-01   | 48V Heat Exchanger for Litespan 2000 Cabinet Heat Stack w/ Power Prongs   |                       | 1496549 |
| TF-LS2000-44   | <b>Litespan 2000 DFA Fan Kit</b> (w/ (4) 48V Fans & Wiring Harness w/ 12 Wire Plug)   |                       | 1445489 |
| TF-LS2000-04   | (1) Individual 48V Fan for Litespan 2000 DFA Tray w/ 3 Wire Open End (for splicing)   |                       | 1445620 |
| TFC-DFA-01   | <b>Alarm Control Board for Litespan 2000 DFA Fan Trays</b> (use in tray # 500-1100-XXX)   |                       | 1458948 |
| TF-ACABTZ-01A  | 48V HX (Tarzan) for Litespan 2000 (LSC-2030) Cabinet (includes Adapter Cable)   |                       | 1359388 |
| TF-ACABLHX-01  | 48V Heat Exchanger (Lower) for Litespan 2000 (LSC-2030) Cabinet   |                       | 1460436 |
| TF-LRA25B50-01   | 24V Fan for A25B50 Rectifier Unit (Lorain / Marconi) w/ 3 Wire Plug   |                       |         |
| TF-LPCM-01   | 24V Fan (80mm) for V15F50/P Lorain Power Conversion Module w/ 3W Male Plug  |                       |         |
| TF-LPM-01  | 48V Fan for Lorain Power Module w/ Power Prongs (fan only - use in # 427215900)   |                       |         |
| TF-MESACL-01   | 48V Fan for Marconi Current Limiter w/ 3 Wire Plug  |                       |         |
| TF-MCABTZ-01   | 48V Heat Exchanger (Tarzan) for Marconi Mesa "Top" HX Cabinet w/ 3 Wire Plug  | 1359387               | 1359387 |
| TF-MESA6-01  | 48V Heat Exchanger for Marconi Mesa "Bottom" HX Cabinet w/ 3 Wire Plug  | 1359091               | 1359091 |
| TF-MARCTOP-01  | 48V Fan for Marconi Cabinet (Top/Inside) w/ Power Prongs  |                       |         |
| TFC-FA400-01   | <b>Alarm Control Board Replacement for Marconi Mesa Master Tray</b>   |                       | 1479565 |
| TF-FA400-01  | 48V Fan for Marconi Mesa Cabinet Master Fan Tray w/ 3 Wire Plug   | 1439622               | 1439622 |
| TF-FA400-02  | 48V Fan for Marconi Mesa Cabinet Slave Fan Tray w/ 3 Wire Plug  | 1439623               | 1439623 |
| TFC-MARC6-01   | <b>6 Position Environmental Control Unit (ECU) for Marconi Cabinet</b> (supports 6 HX fans)   |                       | 1461075 |
| TF-MESA384-01  | 48V (External) HX for Mesa DSLAM 384 Cbnt w/ 4 Wire (Round)(F) Wthrproof Plug   |                       |         |
| TF-MESA384-02  | 48V (Internal) HX for Mesa DSLAM 384 Cbnt w/ 4 Wire (Square) Female Plug  |                       |         |
| TFC-MESA-04  | <b>4 Port Environmental Control Unit (ECU)</b> (used in Mesa 2 - DSLAM 192 & 384)   |                       |         |
| TFC-MESA-02  | <b>2 Port Environmental Control Unit (ECU)</b> (used in Mesa 2 - DSLAM 192 Type Cabinets)   |                       |         |
| TFC-MESA246-01   | <b>6 Fan Environmental Control Unit (ECU) for Remote Cabinet Sites</b>  |                       | 1461124 |
| TFCS-MESA246-08  | Extension Cable for Mesa Fan Controllers, (8')  |                       | 1475550 |
| TFC-WORX-FAM1  | PowerWorx Front Access Fuse Panel (Equiv. to ADC # TFA-FAM)   |                       |         |



| Part #   | Description  | Brightspeed SAP MAT # | MAT #   |
|--|--|-----------------------|---------|
| <b>OSP CABINET / TRAY FANS &amp; ALARM CONTROL BOARDS - continued from previous page</b> |  |                       |         |
| TFT-NXWDL-02   | TAG Universal 19/23 "Harsh Environment" Cabinet Fan Tray (fits 19" & 23" bays)         |                       | 1472248 |
| TFT-NXTLEV-03MC  | TAG Fan Tray for Next Level Cabinet (includes NEW Fan Tray & (3) NEW 48V Fans)         |                       | 1444040 |
| TF-NXTLEV-03   | 48V Fan Assembly for Next Level Cabinet Fan Trays (includes (3) 3 Wire Fans)           |                       | 1358901 |
| TFT-NXWDL-01   | TAG Universal 19/23 Cabinet Fan Tray (fits 19" & 23" bays)                             |                       | 1451023 |
| TF-DCORLS-01   | 48V Fan for Stromberg Carlson DCO RLS Cabinet Tray w/ 3 Fastons & Power Prongs         |                       | 1481914 |
| TF-SPB-AC01  | 120VAC Fan for Seiscor / Pulsecom "B" Cabinet w/ Power Prongs                          |                       |         |
| TF-SPD-AC01  | 110VAC Fan for Seiscor / Pulsecom "D" Cabinet w/ Power Prongs & Guard Grill            |                       | 1501798 |
| TF-UMC1000-01  | 48V Fan (120mm) for Tellabs UMC1000 Tray w/ 3 Wire Plug (use in AFC Tray w/ 6 fans)    |                       | 1466657 |
| TFC-UMC1000-06   | Alarm Control Board for Tellabs UMC1000 Tray (use in AFC tray w/ 6 fans)               |                       |         |
| TF-UMC1000-02  | 48V Fan (80mm) for Tellabs UMC1000 Tray w/ 3 Wire Plug (use in AFC Tray w/ 10 fans)    |                       | 1466656 |
| TF-UMC1000-03  | 48V Fan (120mm) for Tellabs UMC1000 Tray w/ 4 Wire Plug (use in AFC Tray w/ 8 fans)    |                       | 1466761 |
| TF-UMC672-01   | 48V Fan for UMC672 Cabinet w/ 2 Wire Plug (fan only, use with existing metal housing)  |                       |         |
| TF-MC133-02  | (133mm) Heat Exchanger for Mesa 768 Cabinet w/ 3 Pin Plug                              | 1355448               | 1355448 |
| TF-MC133-05  | (133mm) Heat Exchanger for Mesa Sport Cabinet w/ 3 Pin Bulkhead Plug                   | 1482855               | 1482855 |
| TF-CSHX133-01  | (133mm) Heat Exchanger for Cell Site Mesa Sport w/ 4 Pin Male Weatherproof Plug        |                       |         |
| TF-MC133-01  | (133mm) Heat Exchanger for Purcell FlexAir 741 (Door) w/ 4 Leads & Fastons             | 1358926               | 1358926 |
| TF-MC175-04  | (175mm) Heat Exchanger for Purcell A009 Cabinet w/ Weatherproof Connector              |                       |         |
| TF-MC175-04-KIT  | (175mm) Heat Exch. KIT for Purcell A009 Cabinet w/ Weatherproof Conn. & Bracket        |                       |         |
| TF-SRA200-01   | (175mm) Heat Exchanger for SRA-200 Cabinet w/ 3 Wire Plug (fan only)                   |                       | 1492655 |
| TF-MC175-02  | (175mm) Heat Exchanger for Mesa 4 NXT Cabinet (for Siemens ICN 087-23500-10)           |                       | 1358925 |
| TF-MC175-03  | (175mm) Heat Exchanger for OSP Cabinet w/ 3 Pin Plug                                   |                       | 1358924 |
| TF-MC175-03W   | (175mm) HX for Tellabs 1000 w/ 3 Leads   |                       | 1458675 |
| TF-MC175-01  | (175mm) Heat Exchanger for Siemens 914EX Metro MXU Cabinet                             | 1467133               | 1467133 |
| TF-914EHX-01   | 48V HX for Siemens 914E RT Cbnt w/ Pwr Prongs  | 1490825               |         |
| TF-914EXMET-01   | 48V Fan for Siemens 914EX Metro MXU Fan Tray w/ Power Prongs                           |                       | 1359017 |
| TF-OPTI-01   | 12V Fan for Opti 6100 Fan Trays w/ 3 Wire Plug (use in EFANM Fan Tray # 1184508L2)     | 1444322               | 1444322 |
| TF-TA5KHX-02   | 48V "Low Profile" Heat Exchanger for Adtran TA5000 Cabinet Door w/ 4 Wire Plug         |                       | 1501884 |
| TF-HX175LP-01  | (175mm) "Low Profile" HX for Calix ODC Cabinet Door                                    | 1452035               | 1452035 |
| TF-HX220LP-01  | (220mm) "Low Profile" HX for Calix ODC-1000 w/ 4 Leads & Fastons                       |                       | 1477798 |
| TF-OPM640HX  | (175mm) "Low Profile" Impeller for OPM 640 Cbnt (Retro Fit Roof) w/ 3 Wire, 4 Pin Plug |                       |         |
| TF-AFCHX-01  | (175mm) "Low Profile" Heat Exchanger for AFC Fan Unit found in OPM Cabinets            |                       | 1475725 |
| TF-CATNHX-01   | (175mm) "Low Profile" Heat Exchanger for Catena Cabinet                                |                       |         |
| TF-MC179-01A   | HX for Mesa Bridge Cabinet (Upper - Internal) w/ 4 Wire Female Weatherproof Plug       |                       | 1490468 |
| TF-MC179-01  | HX for Mesa Bridge Cabinet (Lower - Door) w/ 4 Wire Female Weatherproof Plug           |                       |         |
| TF-CQ250-01  | (250mm) HX for Ice Qube Cabinet w/ 4 Wire Open End                                     |                       |         |
| TF-AFC672-01   | 48V Fan for AFC Cabinet Heat Stack w/ Power Prongs                                     |                       | 1456851 |
| TF-CLXODC-01F  | 48V Heat Exchanger for Calix ODC Stack w/ 2 Wires & Fastons                            |                       | 1456478 |
| TFC-CALIX2KHX  | Alarm Control Board for Calix ODC-2000 Cabinet HX Controller (alarm board only)        |                       | 1481590 |
| TF-CLX225-01   | (225mm) HX Impeller Fan (Upper) for Calix ODC Cbnt w/ 4W (F) Snap on Plug, (14")       | 1490321               |         |
| TF-CLX225-02   | (225mm) HX Impeller Fan (Upper) for Calix ODC Cbnt w/ 4 Wire Female Plug (30")         |                       | 1492772 |
| TF-CLX225-03   | (225mm) HX Impeller Fan (Lower) for Calix ODC Cabinet w/ 4 Wire Male Plug (30")        |                       | 1492619 |
| TF-CLX133-01   | (133mm) HX Impeller Fan (Upper/Lower) for Calix Cabinet w/ 4 Wire Plug                 | 1490163               | 1490163 |
| TF-MCCHX-AC01  | 110VAC HX Blower for Reltec / McLean Cbnt w/ Pwr Plug & Adapter Plate (fan only)       |                       | 1481410 |
| TF-MCCHX-AC0R  | 110VAC (Right)HX Blower for Reltec/McLean Cbnt w/ Pwr Plug & Plate (fan only)          |                       | 1493505 |
| TF-TX33HX-01   | (175mm) HX for Mclean ClimaGuard Cabinet Cooler w/ 4 Wire Weatherproof Conn.           |                       | 1473428 |
| TF-TX38HX-01   | (225mm) HX for Mclean ClimaGuard Cabinet Cooler w/ 4 Wire Weatherproof Conn.           |                       | 1473110 |
| TF-NP0402-01   | 48V Heat Exch. for Noren Cooling Unit - Internal (6.71K) w/ 3 Wire Open End            | 1359090               | 1359090 |
| TF-NP0414-02   | 48V Heat Exch. for Noren Cooling Unit - External (8.45K) w/ 3 Wire Open End            |                       | 1359019 |
| TF-MC225-01  | (225mm) Heat Exchanger for Mesa Cabinet (Top) w/ Round Weatherproof Connector          | 1345222               | 1345222 |
| TF-MC225-02  | (225mm) Heat Exchanger for Mesa Cabinet (Bottom) w/ 4 Wire Plug (fan only)             | 1345223               | 1345223 |
| TF-MC225-02-KIT  | (225mm) Heat Exchanger KIT for Mesa Cabinet (Bottom) w/ 4 Wire Plug & Bracket          |                       | 1451725 |
| TFB-MC225-02   | Mounting Bracket & Hardware for Mesa Cabinet 225mm Bottom Heat Exchanger               |                       | 1451078 |
| TFC-MESA-01  | 2 Port Mesa Cabinet ECU (Cell Site: XL, SOLE, Span XL, Bridge, Edge & Sport)           | 1492180               |         |

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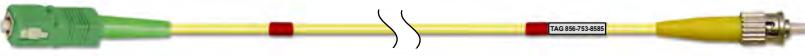
**(2) 430766M-03**  
SC to SC, Singlemode Simplex, 3.0mm yellow, UPC Test Cord, 3 Meters



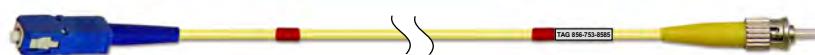
**(2) 430766AAM-03**  
SC to SC, Singlemode Simplex, 3.0mm yellow, APC Test Cord, 3 Meters



**(2) 430766AM-03**  
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**(2) 430779AM-03**  
SC/APC to ST/UPC, Singlemode Simplex, 3.0mm yellow, Test Cord, 3 Meters



**(2) 430779M-03**  
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**(2) 430766MM-03**  
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**(2) 430773M-03**  
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**Fiber Optic Adapters Included in Kit:**

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Simplex  
UPC Coupler



**(1) 400766AC**

SC to SC  
Simplex  
APC Coupler



**(1) 400781C**

LC to LC  
Simplex  
UPC Coupler



**(1) 400781AC**

LC to LC  
Simplex  
APC Coupler



**(1) 400758C**

ST to ST  
Simplex  
UPC Coupler



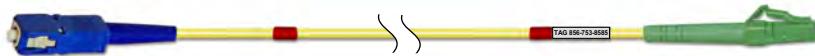
**(1) 400752C**

FC to FC  
Simplex  
UPC Coupler



**(1) 400756C**

D4 to D4  
Simplex  
UPC Coupler



**(2) 430773AM-03**  
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## TAG DMS-100 3X9013 Universal Fan Tray

TFT-3X9013T

**Universal 48VDC Fan Tray****- No 24VAC Inverters***(24VAC inverters cause heat concerns & major equipment failures)***- No Mechanical Sensors***(sensor paddles are known to bend & break)*

INSTALLATION VIDEOS:



UNIVERSAL MOUNTING HOLES

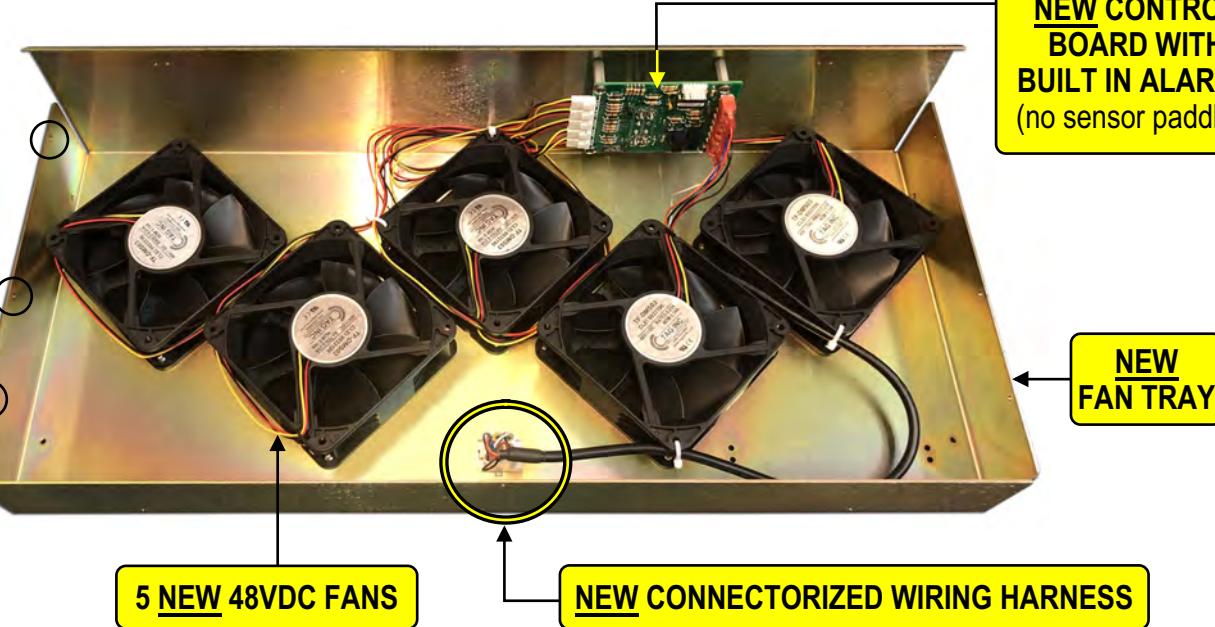
NT3X90AA/AB



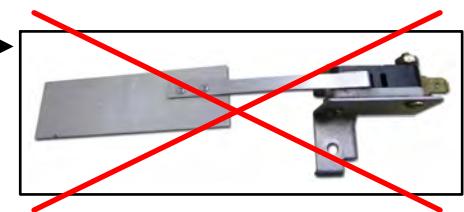
NT3X90AC



NT3X90AF



- Connectorized Universal metal tray with Fan Alarm Board (no sensor paddles)
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- Adapter cables\* are supplied for NT3X90AA/AB & NT3X90AF Cooling Units  
*(\*adapter cables are not used with NT3X90AC)*

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TAG Universal DMS-100 3X9013 Fan Tray

Includes: (1) Brand New Fan Tray w/ Universal Mounting Holes,  
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 (1) Fan Control Board w/ Built in Sensors (no paddles needed), Wiring Labels, Mounting Hardware,  
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**Brightspeed SAP MAT #**

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