TAG INC.
Telecom Assistance Group, Inc.
800-824-7005

General Bandwidth® G6 TPM Streaker/Test Board
STB-G6TPMDS1 Practice

2 ▶ APPLICATION

As a "Test Board" the STB-G6TPMDS1 provides Bantam jack access to the 10 DS1 circuits of the TPM card slots. The STB-G6TPMDS1 is ideal for checking wire assignments and pretesting before G6 turn-up dates. With test equipment, a technician can quickly identify opens, shorts, crosses, and transmit and receive T1 signals between the G6 and DSX-1.

As a "Streaker" the STB-G6TPMDS1 also provides a quick method to "streak"- verify wiring via LED's from the General Bandwidth backplane to the DSX-1. At the DSX, simply ground the corresponding pins and the STB-G6TPMDS1 will light the LED associated with that connection.

1 ▶ GENERAL

This practice describes the G6 Streaker/Test Board (STB-G6TPMDS1) used in the TPM card slots of the General Bandwidth (G6) system.

The STB-G6TPMDS1 is a **combination** streaker and test board used in the TPM card slots of the General Bandwidth (G6) system.
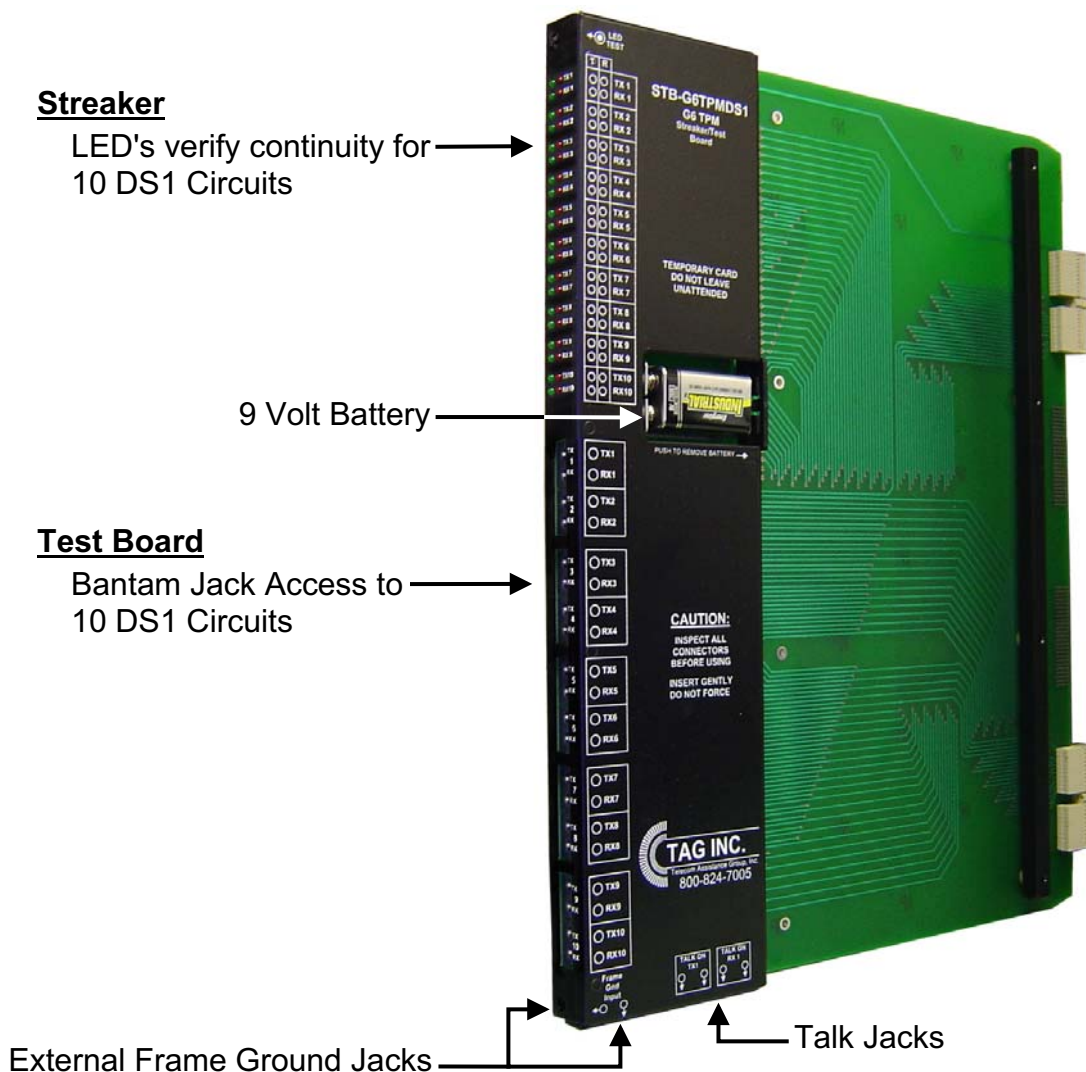
3 ▶ PROCEDURE

The test procedure typically requires two (2) people for ease of testing. Tester 1 will observe the LEDs or inject acceptance signal at the front of the test card (STB-G6TPMDS1). Tester 2 will connect a test probe to Frame Ground and begin by grounding the corresponding pins with the other end of the probe for testing continuity. For acceptance testing, Tester 1 will loop the signal back to Tester 2. See pages 3 and 4 for Step-by Step Test Procedure.

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4 ▶ **Physical Description**

Streaker
LED's verify continuity for
10 DS1 Circuits

9 Volt Battery

Test Board
Bantam Jack Access to
10 DS1 Circuits

External Frame Ground Jacks

Talk Jacks

The STB-G6TPMDS1 is a *combination* streaker and test board used in the TPM card slots of the General Bandwidth (G6) system.

As a "***Test Board***" - the STB-G6TPMDS1 provides Bantam Jack access to the 10 DS1 circuits of the TPM card slots. The STB-G6TPMDS1 is ideal for checking wire assignments and pretesting before G6 turn-up dates. With test equipment, a technician can quickly identify opens, shorts, crosses and **transmit and receive T1 signals between the G6 and DSX-1**.
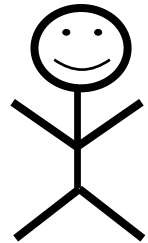
As a "***Streaker***" - the STB-G6TPMDS1 also provides a quick method to "streak" - verify wiring via LED's from the General Bandwidth backplane to the DSX-1. At the DSX, simply ground the corresponding pins and the STB-G6TPMDS1 will light the LED associated with that connection.

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5 ▶ Streaker Test Procedure

TESTER 1

TESTER 1
Located at Front of G6 TPM Shelf

Step	Procedure

When plugging the streaker card into the G6 shelf use normal static procedures.

1. Press LED test button. If ALL LED's do not illuminate, replace battery.

2. Visually check connector on Streaker Card and backplane of G6 TPM card slot for connector wear or pin obstruction.

3. Verify proper alignment and insert STB-G6TPMDS1 into card slot .
   Caution: "Please do not try to force the streaker card into Card Slots."

4. Establish communication with Tester 2 at the Frame.

5. Have Tester 2 - Ground - Touch Probe P-2000 to CKT 1 - TX Tip

6. Verify that the correct LED on the streaker card is "ON" "GREEN" (CKT 1 - TX Tip).
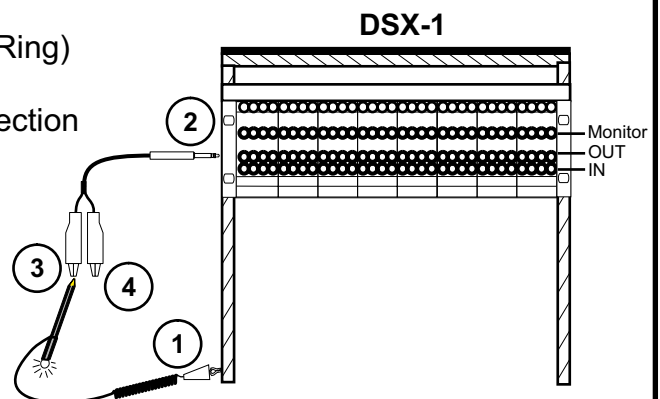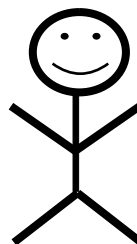
TESTER 2

1. Connect test probe (P-2000) Alligator Clip to Frame Ground.

2. Plug cord (400210A-03) into DSX-1 jack.

3. Touch probe end to Alligator clip (Tip) or Alligator clip (Ring)

4. The LED on the probe will illuminate to indicate a connection to the STB-G6TPMDS1.
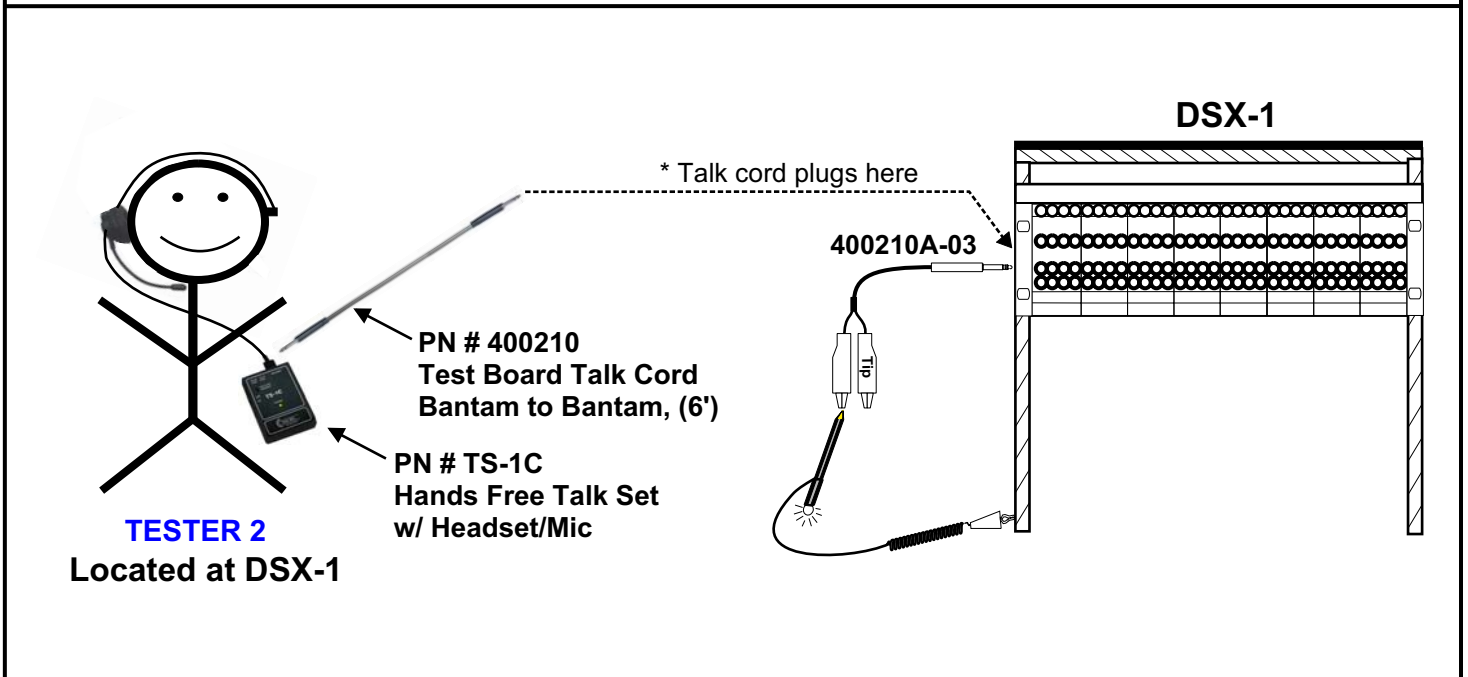
TESTER 2
Located at DSX-1

DSX-1

Monitor
OUT
IN

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5 ▶ Streaker Test Procedure

Touch CKT 1 - TX Tip
Good ! - PASS

PN # 400210P
Streaker Card Talk Cord
Bantam to Bantam, (6')

* Talk cord plugs here

PN # TS-1C
Hands Free Talk Set
w/ Headset/Mic

TESTER 1
Located at Front
of G6 TPM Shelf

DSX-1

* Talk cord plugs here

400210A-03

Tip

PN # 400210
Test Board Talk Cord
Bantam to Bantam, (6')

PN # TS-1C
Hands Free Talk Set
w/ Headset/Mic

TESTER 2
Located at DSX-1

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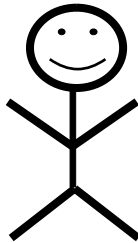Telecom Assistance Group, Inc.
800-824-7005
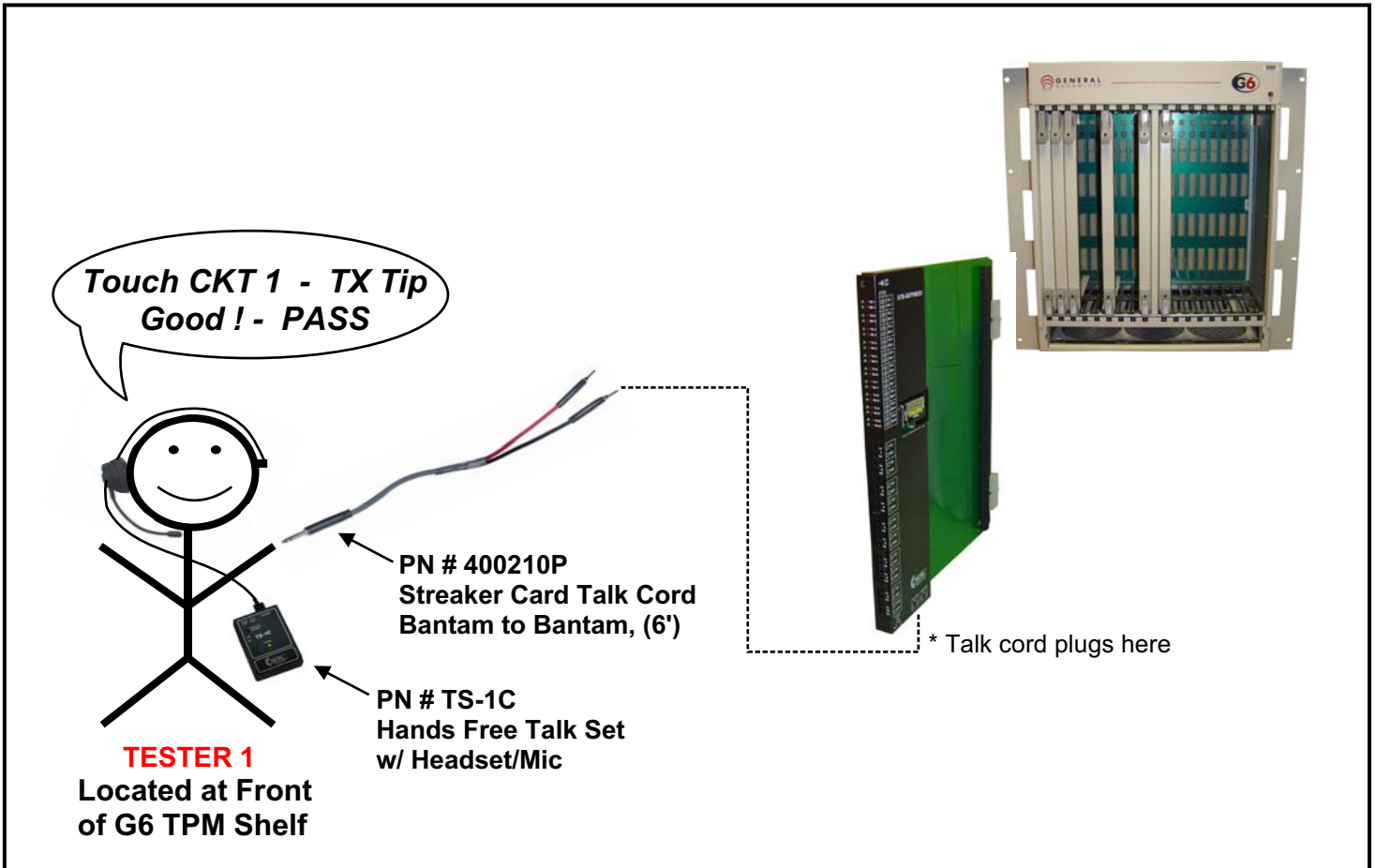
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STB-G6TPMDS1 Practice

6 ▶ **Test Board Procedure**

TESTER 1
**Located at Front
of G6 TPM Shelf**

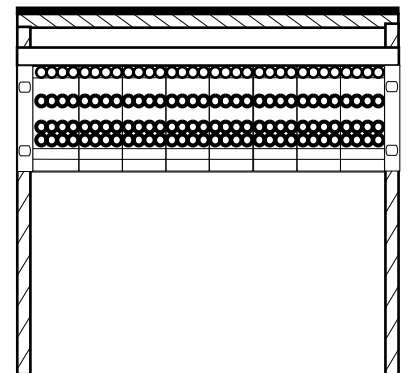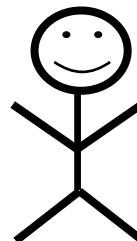| Step | Procedure |

When plugging the test board into the G6 TPM shelf use normal static procedures.

1. Visually check connector on Streaker/Test Card and backplane of G6 TPM card slot for connector wear or pin obstruction.

2. Verify proper alignment and insert STB-G6TPMDS1 into card slot .

3. Establish communication with Tester 2 at the DSX-1.

4. Tester 1 will transmit a T1 test signal from G6 TPM Slot 1 TX1.

5. Tester 2 will record that a "Good" T1 signal has been received at DSX-1 CKT 1 OUT.

6. Tester 2 will transmit a T1 test signal from DSX-1 IN.

7. Tester 1will record that a "Good" T1 signal has been received at G6 TPM Slot 1 RX1.

8. The Testers will move to the next circuit and perform the same test until all the circuits have been tested and approved.

9. Record data in Test Acceptance Data Sheet - See Page 6.

TESTER 2
Located at DSX-1

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6 ▶ **Test Board Procedure**

Transmitting T1 signal
G6 TPM Slot 1
TX1

SLOT 1

* Talk cord plugs here

TX

RX

RX TX

DS1 Test Set

PN # 400210
Test Board Talk Cord
Bantam to Bantam, (6')

PN # TS-1C
Hands Free Talk Set
w/ Headset/Mic

TESTER 1

Receiving T1 signal
DSX-1 CKT 1
OUT

DSX-1

* Talk cord plugs here

Monitor
OUT
IN

RX TX

PN # 400210
Test Board Talk Cord
Bantam to Bantam, (6')

PN # TS-1C
Hands Free Talk Set
w/ Headset/Mic

TESTER 2

RX TX

DS1 Test Set

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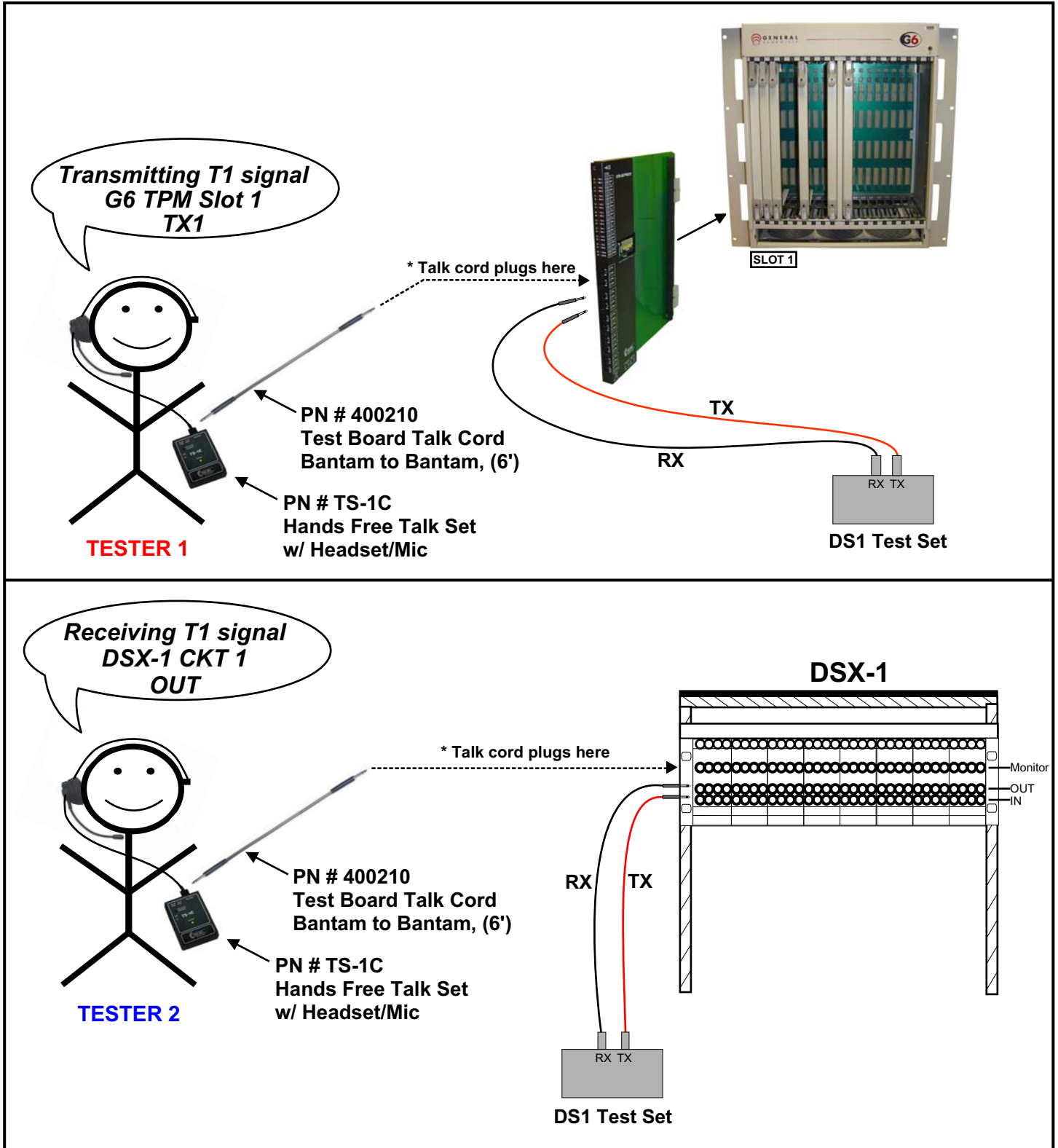
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7 ▶ Connector Pinout Information

Champ Connector Pinout:

1	TX_RING 10	26	TX_TIP 10
2	RX_RING 10	27	RX_TIP 10
3	TX_RING 9	28	TX_TIP 9
4	RX_RING 9	29	RX_TIP 9
5	TX_RING 8	30	TX_TIP 8
6	RX_RING 8	31	RX_TIP 8
7	TX_RING 7	32	TX_TIP 7
8	RX_RING 7	33	RX_TIP 7
9	TX_RING 6	34	TX_TIP 6
10	RX_RING 6	35	RX_TIP 6
11	TX_RING 5	36	TX_TIP 5
12	RX_RING 5	37	RX_TIP 5
13	TX_RING 4	38	TX_TIP 4
14	RX_RING 4	39	RX_TIP 4
15	TX_RING 3	40	TX_TIP 3
16	RX_RING 3	41	RX_TIP 3
17	TX_RING 2	42	TX_TIP 2
18	RX_RING 2	43	RX_TIP 2
19	TX_RING 1	44	TX_TIP 1
20	RX_RING 1	45	RX_TIP 1

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8 ▶ Ordering/Warranty

Ordering Part Numbers:

TAG Part Number	Description
STB-G6TPMDS1	General Bandwidth G6 TPM Streaker/Test Board
P-2000	Protected Test Probe w/ LED
600209XL	Carrying Case for STB-G6TPMDS1
TS-6000	TAG Talk Set Kit includes: (2) TS-1C Hands Free Talk Sets, (1) 400210 DSX Talk Cord, (1) 400210P Talk Cord & (1) 600209 Carrying Case
TS-1C	Hands Free Talk Set w/ Headset & Mic
400210P	Streaker Card Talk Cord; Bantam to Pin Plugs, (6')
400210	DSX Talk Cord; Bantam to Bantam, (6')
400409	Grounding Cord
3004545	Manual (STB-G6TPMDS1 Practice)

**Note - due to the nature of high density connectors - do not overuse Streaker Cards
Connectors are rated for 500 insertions - Call 800-824-7005 to refurbish or re-order.**

Warranty:

Telecom Assistance Group, Inc. (TAG) warrants each manufactured product upon delivery to be tested and free from defects in material and workmanship under the normal use
and conditions for 2 years from the time of sale.

TAG Inc. agrees to repair or replace all manufactured products at the place of manufacturing upon inspection. Advanced Replacements (AR) can be issued upon request while returned material receives thorough inspection. In the event of a defect upon inspection, which includes that the product has not been subjected to misuse, fire, improper installation, negligence, or shipping damages. The customer will be notified and appropriate charges will be billed to the customer for repair on the returned item while retaining the Advanced Replacement (AR). Returned items are only accepted accompanied with a written statement, stating the nature and cause of the defected product otherwise full charges for the Advanced Replacement (AR) will be applicable. If an Advanced Replacement (AR) is not requested, standard repair procedures will apply and the defected item will be repaired upon receipt.

For your Return Material Authorization (RMA) number or Advanced Replacement (AR) number, please call customer services at (800) 824-7005.