Octal Continuity Test Card For ADSL POTS Splitter Shelf

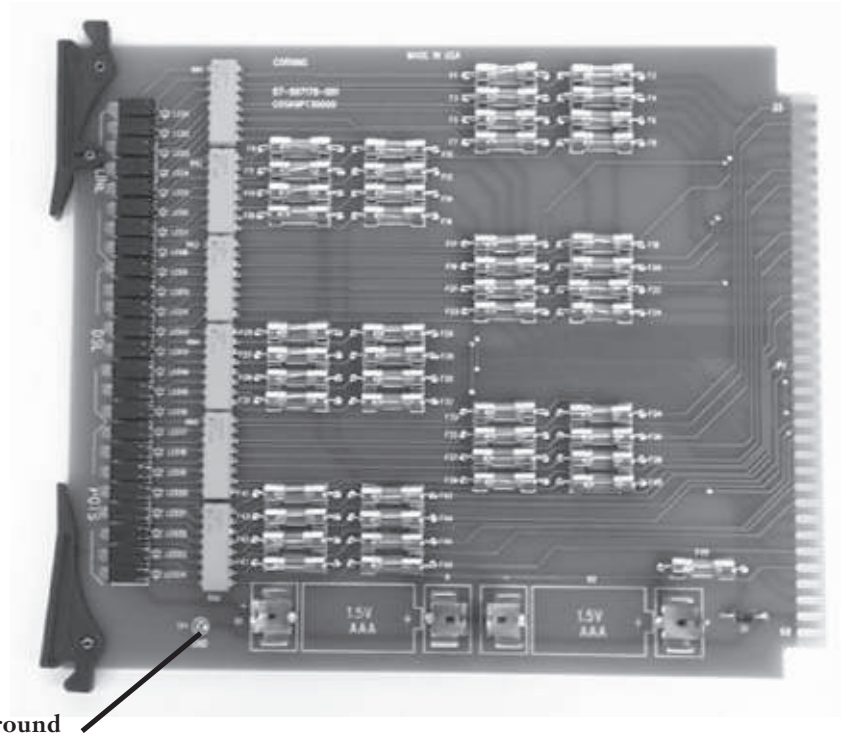

Figure 1

1. General

1.1 This instruction describes use of the octal continuity test card (Octal streaker) (Figure 1) to verify continuity between an ADSL POTS Splitter Shelf and the distribution points for LINE, POTS, and xDSL ports. A typical distribution point may be represented by an MDF Distribution Frame, a POTS bay, punch-down block or a cable connector.

1.2 Each test card is capable of verifying continuity for tip and ring on all eight channels of each card circuit operated by the shelf. A green light-emitting diode (LED) (Figure 2) indicates a positive test for continuity for "Tip" and "Ring."

1.3 This document is being reissued to change AA bateries to AAA batteries.

2. Precaution

NOTICE: *The octal streaker card is designed to be used during installation prior to system activation. This card is designed to verify continuity ONLY. Insertion in an active shelf will permanently damage the streaker card.*

3. Install Octal Streaker Card

3.1 The octal streaker card requires two AAA batteries to operate. Insert a battery in each battery retainer on the card, following the polarity indicated by the "+" and "-" signs.

3.2 Open the shelf by pulling down the two latches on the left and right side of the front door. Insert an octal streaker card into the card guides on the top and bottom of the housing, prior to inserting any of the octal circuit cards. Push the card in until it is fully inserted with the card ejectors locked in place.

3.3 Attach a jumper to the grounding pin on the card (Figure 1), if the shelf has not been previously grounded using the ground stud on the rear of the splitter shelf housing. Attach the other end of the jumper to the frame ground.

4. Test Streaker Card LEDs

4.1 Attach one end of a test cord/clip to the grounding pin on the card.

4.2 Touch the other end of the same test cord/clip to the card edge contact pins:

- Components side of card for "POTS"
- Solder side of card for "LINE" and "xDSL"

4.3 View the front facing LEDs (Figure 2) while conducting this test to confirm proper operation.

Figure 2

5. Test Continuity Using Octal Streaker Card

5.1 The octal streaker card contains LED indicators (Figure 2), which are split into three groups, "LINE" on top, then "xDSL", and, lastly, "POTS". The indicators are in pairs, which verify the "Tip" and "Ring" of each circuit. "Tip" is on the right; "Ring" is on the left. Refer to Figure 3 for signal type and circuit number located on the card edge.

Solder Side of Board		Component Side of Board	
Contact Number	SIGNAL	SIGNAL	Contact Number
1	LINE 1 TIP	POTS 1 TIP	35
2	LINE 1 RING	POTS 1 RING	36
3	xDSL 1 TIP	-	37
4	xDSL 1 RING	-	38
5	LINE 2 TIP	POTS 2 TIP	39
6	LINE 2 RING	POTS 2 RING	40
7	xDSL 2 TIP	-	41
8	xDSL 2 RING	-	42
9	LINE 3 TIP	POTS 3 TIP	43
10	LINE 3 RING	POTS 3 RING	44
11	xDSL 3 TIP	-	45
12	xDSL 3 RING	-	46
13	LINE 4 TIP	POTS 4 TIP	47
14	LINE 4 RING	POTS 4 RING	48
15	xDSL 4 TIP	-	49
16	xDSL 4 RING	-	50
17	LINE 5 TIP	POTS 5 TIP	51
18	LINE 5 RING	POTS 5 RING	52
19	xDSL 5 TIP	-	53
20	xDSL 5 RING	-	54
21	LINE 6 TIP	POTS 6 TIP	55
22	LINE 6 RING	POTS 6 RING	56
23	xDSL 6 TIP	-	57
24	xDSL 6 RING	-	58
25	LINE 7 TIP	POTS 7 TIP	59
26	LINE 7 RING	POTS 7 RING	60
27	xDSL 7 TIP	-	61
28	xDSL 7 RING	-	62
29	LINE 8 TIP	POTS 8 TIP	63
30	LINE 8 RING	POTS 8 RING	64
31	xDSL 8 TIP	-	65
32	xDSL 8 RING	-	66
33	SHIELD	SHIELD	67
34	SHIELD	SHIELD	68

Figure 3

5.2 Locate the cable on the rear of the housing that is connected to the octal streaker card. Follow the cable to its opposite end. Touch each pin of the connector to the frame ground. If continuity exists, the green LED indicator on the octal streaker card corresponding to that circuit will be lit.

5.3 An octal streaker card may be inserted into each splitter card slot and testing performed in series. If using only one octal streaker card to test continuity, pull the octal streaker card out of the card guides and insert it into the next slot to be tested. Repeat continuity tests for each card slot.

5.4 The continuity test card disables the POTS service for the channels being tested. When testing is complete, remove all octal streaker cards from the card slots to preserve "Life-line" POTS service.

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