

## 96 Series

### xDSL POTS Splitter Module

Utilizes Tii's Switchable  
RJ-11 Jack (Auto-Jack®)

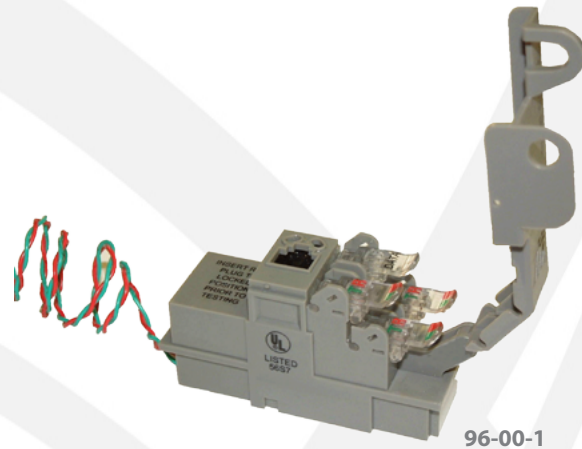
Occupies Only One Position in  
Network Interface Device

Eliminates RJ-11 Plug  
Maintenance Problems

Environmentally Sealed  
IDC Terminations for xDSL  
and Voice Signals

Exceeds Telcordia Severe  
Lightning Surge Requirements

Compatible with The CAC 7600  
Network Interface Device



96-00-1

The 96 Series xDSL POTS Splitter Module splits the combined voice and data signal carried on telephone lines to provide separate outputs for both phone and data services.

#### KEY PRODUCT BENEFITS

- ▶ Module's unique design provides customer bridging and xDSL POTS splitting all in one module which occupies only one position in the Network Interface Device
- ▶ Module easily snaps in and out of the customer side of the NID and occupies only one position, thereby not compromising the NID's overall capacity
- ▶ Designed for use in a wide variety of Network Interface Devices (NIDs) at the customer premises
- ▶ Splitter makes it possible to use a single phone line to provide both telephone and xDSL internet access
- ▶ With module installed, an additional standard POTS line module is not needed
- ▶ Module includes Tii's unique patented Auto-Jack® RJ-11 receptacle. It requires no plug for normal operation and delivers unparalleled reliability
- ▶ When engaged, the Tii Auto-Jack® connects the RJ-11 test plug contacts to the Central Office (CO) for dial tone validation while disconnecting the customer from the circuit
- ▶ Auto-Jack® assembly includes a sealed test point access feature, which allows craft to test subscriber wiring even while a test plug is mated into the Auto-Jack® receptacle. This greatly facilitates the testing process.
- ▶ Standard features such as customer locking/telco bypass, and hinged covers are all part of Tii's splitter module
- ▶ Splitters can be selected per application as shown in "Ordering Information"

#### INDUSTRY STANDARDS

- ▶ Auto-Jack® RJ-11 unit exceeds Telcordia GR-49 CORE requirements for severe climatic conditions, both first and second level lightning surge requirements in the open and short circuit mode.
- ▶ ANSI T1.424 Compliant
- ▶ Listed to UL 1863



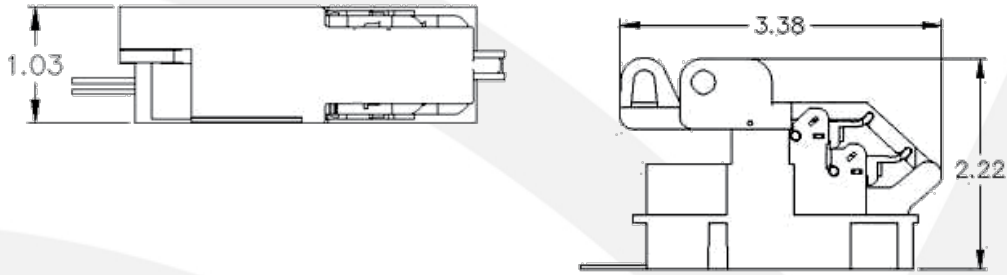
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Dimensions are in Inches

## SPECIFICATIONS

### Electrical (Complies with ANSI T1.424 Issue 2 Annex E)

DC Loop Current	0 to 100 mA
DC Loop Voltage (tip-to-ring)	0 to -60V dc
Ringing Signals	103 Vrms superimposed on the DC Loop Voltage; 20 - 30 Hz
DC Resistance	< 20 ohms, POTS tip-to-ring with Line port (U-R) shorted
Insertion Loss (Short & Long Loop)	≤ 0.5 dB
Tip-to-Ring Capacitance, POTS port	20 ≤ C ≤ 100 nF; 20 - 30 Hz
Input Impedance (Measured Level)	≤ 0.25 dB; 30 - 1104 kHz, ZTr = 600
Attenuation Distortion (Voice Band), Increase Relative to Insertion Loss at 1004 Hz	+0.7 to -0.5dB; 200 - 3.4 kHz, short loop, ZTc = 900, ZTr = 600 +0.7 to -0.5dB; 3.4 - 4.0 kHz, short loop, ZTc = 900, ZTr = 600 +0.4 to -0.5dB; 200 - 3.4 kHz, long loop, ZTc = 900, ZTr = 600 +0.5 to -0.5dB; 3.4 - 4.0 kHz, long loop, ZTc = 900, ZTr = 600
Delay Distortion (Voice Band)	< 25μs
Return Loss (Voice Band) (Short & Long Loop)	> 7 dB
Longitudinal Balance, Two Port Technique, DSL to Line Port (U - R) and Line Port (U - R) to POTS	> 60 dB; 200 - 1.0 kHz > 55 dB; 1100 kHz - 30 MHz (Model # 96-00-4-00)
Capacitance to Ground, POTS Port	≤ 1.0 nf; 20 - 30 Hz
DSL Band Attenuation	> 55dB; 300 - 1104 kHz (Model # 96-00-1-x) > 55dB; 300 - 12 MHz (Model # 96-00-4-00) > 55dB; 300 - 30 MHz (Model # 96-00-5-00)

### Environmental

Lightning Surge	GR-1089 CORE Level 1 and Level 2 Surge
Power Cross	GR-1089 CORE First and Second Level AC Power Fault Immunity
Operating Temperature	-40°C to +65°C (-40°F to 149°F)
Relative Humidity	0 to 95%, non-condensing
UL Listed	As a communication circuit accessory

## ORDERING INFORMATION

<b>96</b>	<b>-00</b>	<b>-X</b>	<b>-X</b>
		<b>Description</b>	<b>Input Termination</b>
		1 = ADSL Compatible Splitter	0 = No Connectors
		4 = ADSL2+, IPTV Compatible Splitter	1 = With Spade Connectors
		5 = VDSL Compatible Splitter	