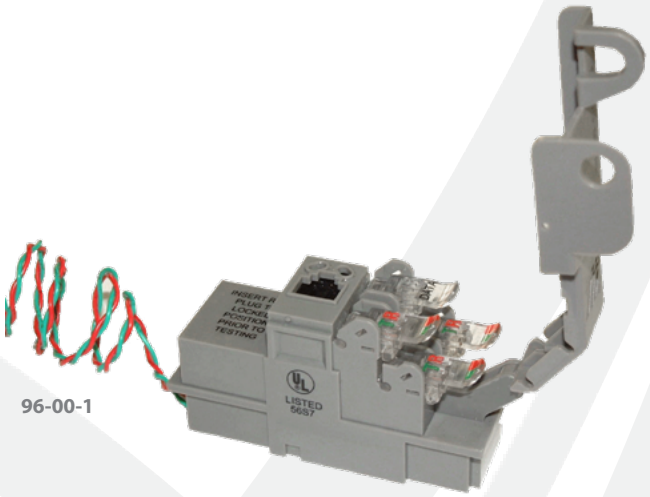
96 Series

DSL POTS Splitter Module

CPE/Premise Wiring
MDU
Utility/Municipality



The 96 Series DSL 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 DSL 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 DSL 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

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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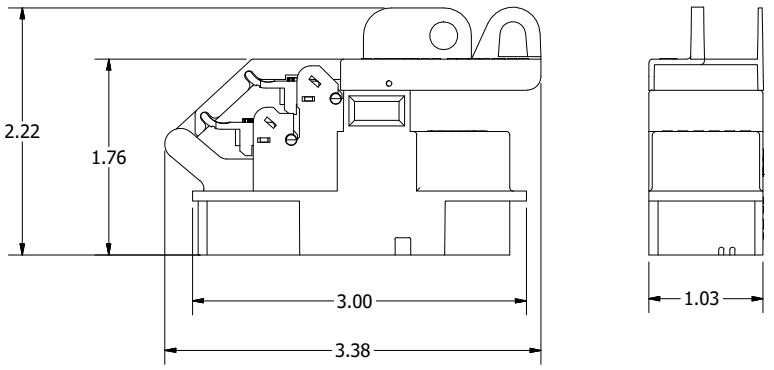

Dimensions are in Inches

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

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