

## 1A68TPZA0 Technical Specification

Category 6A 180 Degree STP Keystone Jack

Rev. 171117

Liberty's 1A68TPZA0 Keystone compliant Category 6<sub>A</sub> shielded jack is a fully compliant component of any data networking link. The unit is a 180 degree format, the cable exits straight out the back of the unit. This fits any keystone compliant port on a plate or panel. This unit features a 750 mating minimum lifecycle and 50μ inch gold plating on the contacts.

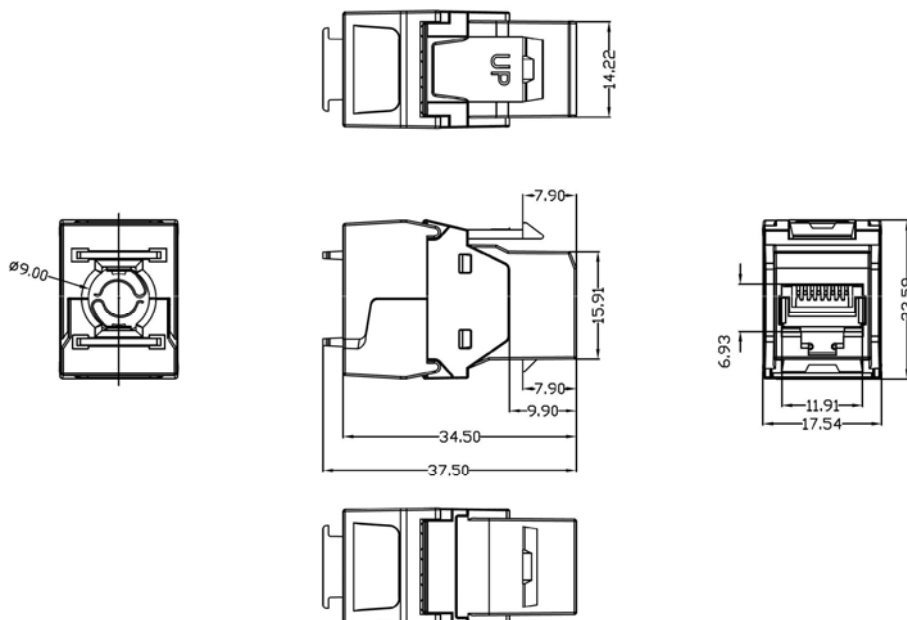
The 1A68TPZA0 features Krone/Universal 110 block IDC contacts and a loading insert that does not require any special tooling to terminate. An optional tool Liberty offers is a special cut and crimp tool, part number EHT010, that seats and cuts the conductors simultaneously.

### Key Features:

- Shielded
- ANSI/TIA-568-C.2.1 Category 6<sub>A</sub>
- Krone/110 Universal IDC
- Quick Crimp/Cut Tool option
- 180 Degree Format

### Key Applications:

- 10/100/1000/10GBaseT Ethernet
- Digital Multimedia patching
- Convenience Outlets
- VoIP, POTS Telecommunications
- Industrial Control patching



Technical Specifications	
<b>I/O Connections</b>	
Networking	Female 8P8C RJ45, Shielded
Infrastructure	Dual 110/Krone IDC punch down block
<b>Electrical Specifications</b>	
Insulation Resistance	≥ 500MΩ
Dielectric Withstanding Voltage	100VAC RMS 60Hz
Contact Resistance	≤ 20mΩ
Current Rating	1.5A @ 68°F (20°C)
<b>Mechanical Specification</b>	
Plug Insertion Life	≥ 750 Mating Cycles
Contact Force	99.2g (3.5 oz) FCC Plug
Plug Retention Force	30 Lb (133n/13.3Kg)
Temperature Test	-40°F to 150°F (-40°C to 66°C)
<b>Physical Specification</b>	
Body Material	Polycarbonate and ABS, UL94V0
Shielding	Nickel Plated Zinc
Contact and Plating	Phosphor Bronze with 50μ" Gold Plating over contact area
<b>Environmental Requirements</b>	
Operating Temperature	0° to +75° C (+32° to +167° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-20° to +80° C (0° to +176° F)
<b>Power and Regulatory</b>	
Regulatory	FCC Part 68
Performance	ANSI/TIA-568-C.2 Category 6 <sub>A</sub>

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Part Matrix	
Item Number	Description
1A68TP0A0	Category 6 <sub>A</sub> RJ45 Shielded Jack, Keystone Format 180°
EHT010	Crimp & Cut Tool for 180° Category 6 <sub>A</sub> Keystone Jacks (Optional, not required)

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