



## VGS6A™ CAT6A UTP RJ45 Keystone Jack



### Applications

The Vericom VGS6A™ Category 6A UTP RJ45 Keystone Jacks support 10GBASE-T, 1000BASE-T (Gigabit Ethernet), 100BASE-T (Fast Ethernet), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Digital video and broadband/baseband analog video, Voice over Internet Protocol (VoIP) and is backwards compatible with Category 5e systems. Compatible with IEEE 802.3af/802.3at (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications.

### Description / Specifications

The Vericom VGS6A™ Category 6A UTP RJ45 Keystone Jacks are designed to meet and exceed ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E electrical performance requirements for frequencies up to 500 MHz. The VGS6A Keystone Jacks are designed to manage crosstalk to provide superior performance with headroom for even the toughest installs. These Keystone Jacks are third party verified to perform up to 10 Gigabit Ethernet with a standard RJ-45 interface, contacts with minimum 50 microinches of gold, and a standard 110 punchdown for terminating horizontal cable.

Available in a variety of colors to meet specific project requirements. To maximize system performance, combine with Vericom patch panels, patch cords, and bulk cable.

### Features & Benefits

- Vericom VGS6A™ Jacks are third party EC Verified (2023-742) to ensure performance.
- Contacts provide minimum 50 microinches of gold plating for maximum system reliability.
- Universal label shows T568A and T568B wiring for ease of use.
- 110 IDCs are technician friendly with a standard punchdown tool.
- Vericom NT1001 can be used for quick termination of all 8 conductors simultaneously.
- Supports PoE/PoE+ over 100 meter channels with 10 meters of 24 AWG patch cords included in the channel.
- Strain relief cap secures conductors and makes the installation more robust.

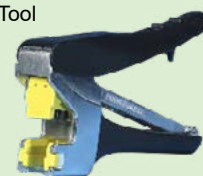
### Standards Compliance

- UL Listed
- RoHS Compliant
- ISO/IEC 11801
- TIA/EIA-568.2-D
- IEC 61156-5
- UL 1863 and CAN/CSA-C22.2
- ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3AF/802.3AT (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications

### Related Products

VGS™ One Step Termination Tool

Item No. NT1001



TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

REV.20231213.6



## VGS6A™ CAT6A UTP RJ45 Keystone Jack

### Ordering Information

Item Number	Description
MPG6618 <b>XX</b>	CAT6A UTP RJ45 Keystone Jack
Specify color by substituting <b>XX</b> in Item # for the following:	
	<span style="background-color: black; color: white; padding: 2px;">BK</span> <span style="background-color: blue; color: white; padding: 2px;">BL</span> <span style="background-color: green; color: white; padding: 2px;">GN</span> <span style="background-color: gray; color: white; padding: 2px;">GY</span> <span style="background-color: orange; color: white; padding: 2px;">IV</span> <span style="background-color: red; color: white; padding: 2px;">OR</span> <span style="background-color: purple; color: white; padding: 2px;">PU</span> <span style="background-color: darkred; color: white; padding: 2px;">RE</span> <span style="background-color: white; color: black; padding: 2px;">WH</span> <span style="background-color: yellow; color: black; padding: 2px;">YE</span>

Item # Example: MPG6618**WH** - CAT6A UTP RJ45 Keystone Jack, White.

### Construction

**Housing:** High impact thermoplastic, UL94V-0 fire retardant

**IDC:** 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

**Contacts:** Phosphor bronze alloy plated with 50 µin of gold over of nickel plating

### Mechanical

**Plug Retention:** 50 N (11 lbf)

**Wire Compatibility:** 22 to 24 AWG (0.644 to 0.511 mm)

**Mating Life Cycle:** Min 750 cycles

### Environmental Conditions

**Operating Temperature:** 14 °F to 140 °F (-10 °C to 60 °C)

**Storage Temperature:** -40 °F to 158 °F (-40 °C to 70 °C)

## Compliance Statement



### Connecting Hardware, Category 6A

Including 4 Pair Power over Ethernet (4PPoE)

(Un-mating connectors under electrical load of up to 2 A per conductor)

**No. 2023-742**

### Transmission Performance (at 20 °C)

Freq. (MHz)	IL Max. (dB)	NEXT Min. (dB)	FEXT Min. (dB)	RL Min. (dB)	PSANEXT Min. (dB)	PSAACRF Min. (dB)	Balanced TCL Min. (dB)
1.00	0.10	75.00	75.00	30.00	70.50	67.00	40.00
4.00	0.10	75.00	71.00	30.00	70.50	67.00	40.00
8.00	0.10	75.00	65.00	30.00	70.50	67.00	40.00
10.00	0.10	74.00	63.10	30.00	70.50	67.00	40.00
16.00	0.10	69.90	59.00	30.00	70.50	67.00	40.00
20.00	0.10	68.00	57.10	30.00	70.50	67.00	40.00
25.00	0.10	66.00	55.10	30.00	70.50	67.00	40.00
31.25	0.11	64.10	53.20	30.00	70.50	67.00	39.10
62.50	0.16	58.10	47.20	30.00	70.50	67.00	32.10
100.00	0.20	54.00	43.10	28.00	70.50	67.00	28.00
200.00	0.28	48.00	37.10	22.00	64.50	61.00	22.00
250.00	0.32	46.00	35.10	20.00	62.50	59.00	20.00
300.00	0.35	42.90	33.60	18.50	61.00	57.50	18.50
400.00	0.40	37.90	31.10	16.00	58.50	55.00	16.00
500.00	0.45	34.00	29.10	14.00	56.50	53.00	14.00

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