



VGS6™ CAT6 UTP RJ45 Keystone Jack



Applications

The Vericom VGS6™ Category 6 UTP RJ45 Keystone Jacks support 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 VGS6™ Category 6 UTP RJ45 Keystone Jacks are designed to meet and exceed ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E electrical performance requirements for frequencies up to 250 MHz. The VGS6 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 support Gigabit Ethernet and 10 Gigabit Ethernet for limited distances. The VGS6 Jacks provide 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.

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Features & Benefits

- Vericom VGS6™ Jacks are third party EC Verified (2023-040) 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.
- Available in black, blue, green, orange, red, yellow, and white. Additional colors available by special order.

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

REV.20230124.6



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Ordering Information

Item Number	Description
MPG6018 XX	CAT6 UTP RJ45 Keystone Jack
Specify color by substituting XX in Item # for the following:	
	BK BL GN GY* IV* OR PU* RE WH YE

* Indicates item is available special order only. Check with sales representative for further details.

Item # Example: MPG6018**WH** - CAT6 UTP RJ45 Keystone Jack, White.

Construction

Housing: High impact thermoplastic, UL94V-0 fire retardant

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

Contacts: Phosphor bronze alloy plated with 50 µm 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 6

Including 4 Pair Power over Ethernet (4PPoE)

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

No. 2023-040

Transmission Performance (at 20 °C)

Freq. (MHz)	IL Max. (dB)	NEXT Min. (dB)	FEXT Min. (dB)	RL Min. (dB)	Balanced TCL Min. (dB)
1.00	0.10	75.00	75.00	30.00	40.00
4.00	0.10	75.00	71.00	30.00	40.00
8.00	0.10	75.00	65.00	30.00	40.00
10.00	0.10	74.00	63.10	30.00	40.00
16.00	0.10	69.90	59.00	30.00	40.00
20.00	0.10	68.00	57.10	30.00	40.00
25.00	0.10	66.00	55.10	30.00	40.00
31.25	0.11	64.10	53.20	30.00	38.10
62.50	0.16	58.10	47.20	28.10	32.10
100.00	0.20	54.00	43.10	24.00	28.00
200.00	0.28	48.00	37.10	18.00	22.00
250.00	0.32	46.00	35.10	16.00	20.00

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