



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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3M

Volition™

RJ45 K6 Jack

The 3M™ Volition™ K6 jack is a unique and simple Cat. 6 hardware component (TIA/EIA-568 B.2 and ISO/IEC 11801 2nd Edition), utilizing the universally accepted keystone mounting. It offers a quick and reliable Cat. 6 connection as the eight copper conductors are effortlessly terminated in a single operation without tools.

The K6 jack is the core product of 3M's Cat. 6 copper structured cabling solution, offering superior performance over Cat. 6 link standards.

Features

- Category 6 hardware component, 3rd party (Delta) verified to TIA/EIA-568 B.2 Cat. 6
- Tool-less connector
- Keystone mounting
- ISO 8877 compliant
- Integral shutter
- Top or bottom cable insertion
- Self-stripping contacts with 1.3µm gold plating
- Either TS68A or TS68B wiring scheme
- UL listed



A Unique Design

Tool-less jack:

- Easy and quick to install
- Fast reliable connection in record time: all eight copper conductors are effortlessly wired in a single operation
- Quality of connection by design: not dependent on tool condition or operator skills; just listen for the click
- Consistent results: the length of untwisted pairs is always kept to a minimum, by design

Re-usable:

- If a wiring mistake is made, there is no need to use a new jack
- No time wasted waiting for another delivery

Shallow depth, cable entry from top or bottom:

- Easier cable management
- More space and flexibility to ensure the cable minimum bend radius is never compromised
 - Allows a wide range of cable routing options
 - Can be used with low profile trunking and boxes

Keystone mounting:

- Compatibility between Volition copper and fiber jacks and many other accessories on the market using standard keystone mounting

Accepts both solid conductors from AWG 26 to 22 and stranded conductors:

- Compatible with all cables on the market and enables "jack to plug" cables to be manufactured using stranded conductors (for use in open office architectures)

Integral shutter:

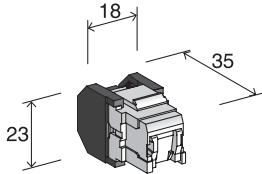
- Increased dust protection, especially during installation or in a dirty environment
- No additional shuttering required on faceplates
- Allows direct mounting into floor boxes
- Protects jacks in the patch panel

Technical Characteristics

RJ45 Category 6 Hardware test result (worst case)

Frequency	100 MHz	200 MHz	250 MHz
Attenuation	< 0.2 dB	< 0.2 dB	< 0.3 dB
Return Loss	24 dB	18.5 dB	16 dB
NEXT Pair to Pair	58 dB	50 dB	47.5 dB
Ø of the conductors	AWG 26 to 22		
Ø of the sheath	1.60 mm maximum		
Insulation resistance	> 10 MΩ		

Dimensions: 23 x 18 x 35 mm (0.9 x 0.7 x 1.4 in.)



Ordering Information

Model Number	Description	Minimum Order Quantity	Packaging
VOL-OCK6-U-W	RJ45 K6 Jack UTP, white	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-BU	RJ45 K6 Jack UTP, blue	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-G	RJ45 K6 Jack UTP, green	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-R	RJ45 K6 Jack UTP, red	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-Y	RJ45 K6 Jack UTP, yellow	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-BL	RJ45 K6 Jack UTP, black	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-O	RJ45 K6 Jack UTP, orange	1 carton	Carton of 96 (12 bags of 8)
VOL-OCK6-U-AL	RJ45 K6 Jack UTP, almond	1 carton	Carton of 96 (12 bags of 8)

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