

Product: 10GX KEYCONNECT COUPLERS

10GX RJ45 Coupler, KeyConnect Style

Product Description

CAT6A KeyConnect Jacks are available in several colors.

Technical Specifications

Product Overview

Suitable Applications:	IBDN System 10GX, TIA Category 6A, 10GBASE-T

Physical Characteristics (Overall)

Height:	0.895 in
Width:	0.692 in
Depth:	1.522 in
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.
Weight:	0.380 lbs

Connectors

Materials

Description	Material	Type
Front Connection	Flexible PCB with 50 µ inch Gold over Nickel	Flexible PCB
Rear Connection	Flexible PCB with 50u inch Gold over Nickel	Flexible PCB
Connector Body	Plastic - UL94V-0	

Electrical Characteristics

Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max Contact Resistance:	20 mOhm
Termination Resistance:	1,000V RMS @ 60 Hz for 1 minute

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Storage Temperature Range:	-40°C to +70°C
Operating Temperature Range:	-10°C to +60°C

Mechanical Characteristics

Footprint/Type:	KeyConnect
Plug /Jack Compatibility:	RJ45
Termination Front Connection:	Mated Connection
Termination Front Connection Durability:	750 cycles
Termination Rear Connection:	Mated Connection
Termination Rear Connection Durability:	750 cycles
Connector/Hardware Retention:	20 lbs

Standards

Data Category:	Category 6A
TIA/EIA Compliance:	ISO/IEC 11801:2002 Amendment 2
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2002/95/EC (RoHS):	Yes
MII Order #39 (China RoHS):	EUP 50

Flammability, LS0H, Toxicity Testing

Safety Listing:	ACA, c(UL)us Listed

Related Part Numbers

Related Parts:	10GX Coupler Patch Panels

Variants

Item #	Color	Packaging
AX104024	Black	Single Pack
AX104019	Blue	Single Pack
AX104023	Electric White	Single Pack
AX104018	Green	Single Pack
AX104015	Orange	Single Pack
AX104016	Red	Single Pack
AX104017	Yellow	Single Pack

History

Update and Revision:	Revision Number: 0.309 Revision Date: 05-10-2023

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