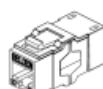


AX104207 Modular Connectors - CAT6+ KeyConnect RJ45 Coupler



For more Information
please call

1-800-Belden1

**General Description:**

CAT6+ RJ45 Coupler, KeyConnect, Red

Usage (Overall)

Suitable Applications:	IBDN System CAT6+, TIA Category 6
Related Parts:	CAT6+ Coupler Patch Panels

Multi Conductor**Physical Characteristics**

Overall Cabling

Overall Diameter

Physical Characteristics (Connectivity)**Dimensions**

Dimensions:

Height (in.)	Width (in.)	Depth (in.)
0.895	0.692	1.522

Materials

Materials:

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

Color

Color:	Red
--------	-----

Wiring Scheme

Wiring Scheme:	T568A/B-T568A/B
----------------	-----------------

Weight

Weight:	0.380 lbs.
---------	------------

Packaging

Packaging:	Individually packaged in a clear plastic bag.
------------	---

Mechanical Characteristics (Connectivity)

Footprint/Type:	KeyConnect
Plug / Jack Compatibility:	RJ45

Termination Interface:

Termination	Connection	Durabilities
Front	Mated Connection	750 cycles
Rear	Mated Connection	750 cycles

Connector/Hardware Retention:	20 lbs.
Storage Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-10°C To +60°C
Operating Temperature Range:	-10°C To +60°C

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

Other Standards:	FCC Part 68, Subpart F, IEC 60603-7
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	08/01/2009
MIL Order #39 (China RoHS):	EUP 50

AX104207 Modular Connectors - CAT6+ KeyConnect RJ45 Coupler

Telecommunications Standards:

Category 6 - TIA 568-C.2, ISO/IEC 11801:2002 Ed.2

Safety Listing:

Bi-national Standard Listed

Suitability

Suitability - Indoor:

Yes

Plenum/Non-Plenum**Transmission Characteristics (Connectivity)**

Mated Connection Table 1:

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)
1.000	0.100	0.100	75.000	75.000	75.000	77.000
4.000	0.100	0.100	75.000	75.000	71.100	75.100
8.000	0.100	0.100	75.000	75.000	65.000	69.000
10.000	0.100	0.100	74.000	74.000	63.100	67.100
16.000	0.100	0.100	69.900	69.900	59.000	63.000
20.000	0.100	0.100	68.000	68.000	57.100	61.100
25.000	0.100	0.100	66.000	66.000	55.100	59.100
31.250	0.110	0.110	64.100	64.100	53.200	57.200
62.500	0.160	0.160	58.100	58.100	47.200	51.200
100.000	0.200	0.200	54.000	54.000	43.100	47.100
200.000	0.280	0.280	48.000	48.000	37.100	41.100
250.000	0.320	0.320	46.000	46.000	35.100	39.100
280.000		0.330		44.100		38.200
300.000		0.350		42.900		37.600

Mated Connection Table - Footnote:

* TIA/EIA-568-C.2 Category 6 Standard. ** Worst-case performance for a CAT6+ mated connection using CAT6+ modular plugs on both sides

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL/TCTL TIA* (dB)	Min. Balanced TCL/TCTL Belden** (dB)
1.000	30.000	32.000	40.000	42.000
4.000	30.000	32.000	40.000	42.000
8.000	30.000	32.000	40.000	42.000
10.000	30.000	32.000	40.000	42.000
16.000	30.000	32.000	40.000	42.000
20.000	30.000	32.000	40.000	42.000
25.000	30.000	32.000	40.000	42.000
31.250	30.000	32.000	38.100	42.000
62.500	28.100	32.000	32.100	36.100
100.000	24.000	28.000	28.000	32.000
200.000	18.000	22.000	22.000	26.000
250.000	16.000	20.000	20.000	24.000
280.000		19.100		23.100
300.000		18.500		22.500

Dielectric Strength:

1,000 V RMS @ 60 Hz for 1 minute

Current Rating:

1.500 A

Insulation Resistance:

500 M-Ohm Minimum

Max. Contact Resistance:

20 m-Ohm

Notes (Overall)**Product Family**

Part Number List:

Item Number	Color
AX104206	Orange
AX104207	Red
AX104208	Yellow
AX104209	Green
AX104210	Blue
AX104213	Gray
AX104214	White
AX104215	Black

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------



AX104207 Modular Connectors - CAT6+ KeyConnect RJ45 Coupler

AX104207	1 EA	0.033 LB			CAT6+ KCONN RJ45 COUPLER,RD
----------	------	----------	--	--	-----------------------------

Revision Number: 1 Revision Date: 06-29-2010

© 2017 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.