Cat5e & Cat6/6A Keystone Jacks

◎ Basic Features:

☆ Significant margin over ANSI/TIA 568-B, ISO/IEC 11801and EN 50173.
☆ Twists are maintained to within 1/2" (12.7mm).
☆ Work in standard keystone jack opening (0.58" x 0.78" or 14.7mm x 20.1mm).
☆ Unshielded and shielded versions available for choice.
☆ Accept 110 punch down tools or Krone punch down tools.
☆ Color coded for 568A and 568B wiring scheme.
☆ Swept frequency tested up to 150MHz for Cat5e jacks, 300 MHz for Cat 6 jacks and 500 MHz for Cat6A jacks.

◎ Technical Parameters:

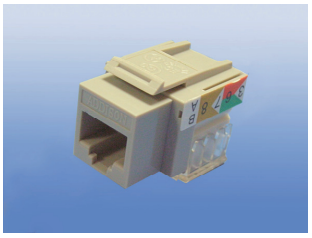
☆ Made of UL-94V high impact and fire-retardant ABS material. ABS material is characterized by good impact, chemical & fire resistance. UL94V-0 is the highest standard on fire resistance.
☆ Beryllium copper contacts for superior connectivity, with 100μ" nickel baseboard furnished with 50μ" gold plating.
☆ Support 22 -26AWG wire gauge.
☆ Plug Retention Force: 10kg (minimum)
☆ Plug & Keystone Jack Contact Force: 100 g.
☆ Insertion Life Cycle: 1,000 cycles (minimum) / I.D.C 250 cycles (minimum)
☆ Insulation Resistance: 500MΩ
☆ Contact Resistance: 20MΩ
☆ Current Rating: 1.5 Amps
☆ DC Resistance: Max.0.1Ω
☆ Dielectric Withstand Voltage: 1,000VAC RMS @ 60Hz/1 min
☆ Operating Temperature: - 10℃ ~ 60℃
☆ Storage Temperature: -40℃ ~ 70℃

◎ Product Certification:

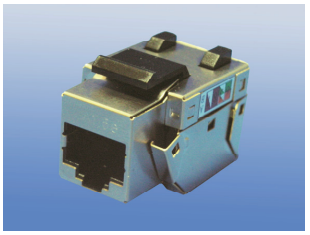
E223921

◎ Product Highlights:

☆ Full seal design ensures reliable termination and stability.
☆ Supplied with a color coded dust cover for dust and dampness protection.
☆ IDC contact design eliminates need to strip individual conductors and ensures reliable termination.
☆ With a patented technology, all twists are maintained to within 1/2", improving the NEXT value to a great extent.
☆ Dust caps/retention caps offer termination with strain relief.
☆ Rear part of the jack printed with EIA 568B pin assignment to ensure fast termination.
☆ Being component tested, the jacks can work in harmony with lower class products.
☆ Provide extra NEXT margin in support of future gigabit application.
☆ Provide fully shielded design to ensure the best screening performance.
☆ Toolless design can speed up the installation process and save installation costs.
☆ 100% full shield design can improve EMI/RFI performance. Shield at the jack rear part can effectively protect IDC termination against EMI interference. They allow flexible grounding for shielded cable for each IDC.
☆ Shielded panels incorporate 360℃ stainless steel for full EMI (Electro-magnetic Immunity) shielding required by EN 50173.
☆ UL, ETL approved.
☆ Compact design can support high density installation.

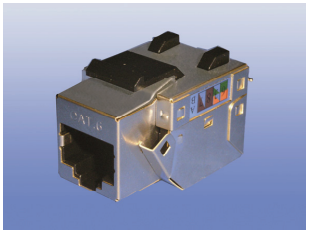


CAT5e Unshielded
Keystone Jack



CAT5e Shielded
Keystone Jack

CAT6 Unshielded
Keystone Jack



CAT6 Shielded
Keystone Jack

◎ Transmission Properties:

Cat5e Jacks

FREQ (MHz)	IL (dB/100m)	NEXT(dB/100m) MinimumValue/Typical Value/ Standard Value	ELFEXT (dB/100m) MinimumValue/Typical Value/ Standard Value	RL (dB/100m) MinimumValue/Typical Value/ Standard Value
1	0.1	85.0/65.0	80.0/65.0	52.0/30.0
4	0.1	75.0/65.0	71.0/63.1	50.0/30.0
8	0.1	68.0/64.9	66.0/57.0	46.0/30.0
10	0.1	66.0/63.0	64.0/55.1	44.0/30.0
16	0.2	62.0/58.9	60.0/51.0	40.0/30.0
20	0.2	60.0/57.0	58.0/49.1	38.0/30.0
25	0.2	58.0/55.0	56.0/47.1	37.0/30.0
31.25	0.2	56.0/53.1	54.0/45.2	35.0/30.0
62.5	0.3	50.0/47.1	48.0/39.2	29.0/24.0
100	0.4	47.0/43.0	44.0/35.1	26.0/20.0

Cat6 Jacks

FREQ (MHz)	IL (dB/100m)	NEXT(dB/100m) MinimumValue/Typical Value/ Standard Value	ELFEXT(dB/100m) MinimumValue/Typical Value/ Standard Value	RL(dB/100m) MinimumValue/Typical Value/ Standard Value
1	0.1	85.0/75.0	83.0/75.0	52.0/30.0
4	0.1	80.0/75.0	74.0/71.1	53.0/30.0
8	0.1	77.0/75.0	69.0/65.0	55.0/30.0
10	0.1	76.0/74.0	67.0/63.1	56.0/30.0
16	0.1	72.0/69.9	62.0/59.0	57.0/30.0
20	0.1	72.0/68.0	61.0/57.0	59.0/30.0
25	0.1	69.0/66.0	59.0/55.1	59.0/30.0
31.25	0.11	67.0/64.1	58.0/53.2	56.0/30.0
62.5	0.16	61.0/58.1	52.0/47.2	42.0/28.0
100	0.20	57.0/54.0	48.0/43.1	33.0/24.0
200	0.28	52.0/48.0	42.0/37.1	21.0/18.0
250	0.32	47.0/46.0	40.0/35.1	17.0/16.0

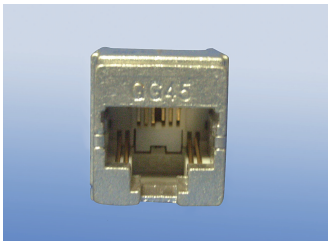
Cat6A Jacks

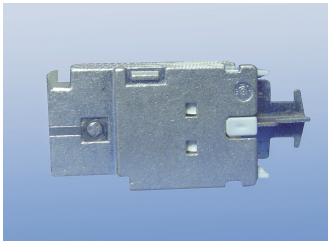
FREQ (MHz)	IL (dB/100m)	NEXT(dB/100m) MinimumValue/Typical Value/ Standard Value	ELFEXT(dB/100m) MinimumValue/Typical Value/ Standard Value	RL(dB/100m) MinimumValue/Typical Value/ Standard Value
1	0.1	104.0/94.0	120.0/110	84.0/68.0
4	0.1	92.0/82.0	108.0/98.0	82.0/56.0
8	0.1	86.0/75.9	102.0/91.9	66.0/49.9
10	0.1	84.0/74.0	100.0/90.0	64.0/48.0
16	0.1	80.0/69.9	96.0/85.9	60.0/43.9
20	0.1	78.0/68.0	94.0/84.0	59.0/42.0
31.25	0.11	75.0/64.1	90.0/80.1	54.0/38.1
62.5	0.16	68.0/58.1	84.0/74.1	48.0/32.1
100	0.20	64.0/54.0	80.0/70.0	44.0/28.0
200	0.28	58.0/48.0	74.0/64.0	38.0/22.0
250	0.32	56.0/46.0	72.0/62.0	36.0/20.0
300	0.36	53/42.9	70.0/60.5	34.0/18.5
350	0.41	50/40.2	69.0/59.1	33.0/17.1
400	0.45	48/37.9	68.0/58.0	32.0/16.0
450	0.49	36.0/35.8	67.0/56.9	31.0/14.9
500	0.53	44.0/34.0	66.0/56.0	30.0/14.0

Cat 7 Jacks

◎ Product Highlights:

☆ Full seal design ensures reliable termination and stability, with much better performance than Cat6 and Cat6A.
☆ Shielded jacks incorporate 360℃ stainless steel for full EMI (Electro-magnetic Immunity) shielding required by EN 50173. It is fabricated entirely from heavy steel for good stability.
☆ With a patented technology, all twists are maintained to within 8mm, improving the NEXT value to a great extent.
☆ Suitable or digital, voice and image and data transmission according to EN50173 standard.
☆ Significant margin over DIN 44312-5 and ISO/IEC Cat 7 draft F channel.
☆ Being component tested, the jacks can work in harmony with Cat 6 or lower class products.
☆ Provide extra NEXT margin in support of future gigabit application.

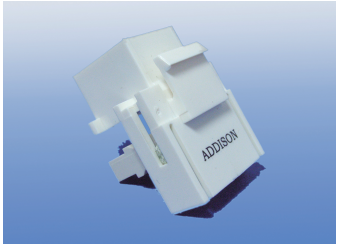




Voice Keystone Jacks

◎ Transmission Properties:

FREQ (MHz)	IL (dB/100m)	NEXT (dB/100m) Typcial Value/Standard Value	ELFEXT (dB/100m) Typcial Value/Standard Value	RL (dB/100m) Typcial Value/Standard Value
1	0.1	85.0/65.0	80.0/65.0	52.0/30.0
4	0.1	75.0/65.0	71.0/63.1	50.0/30.0
8	0.1	68.0/64.9	66.0/57.0	46.0/30.0
10	0.1	66.0/63.0	64.0/55.1	44.0/30.0
16	0.2	62.0/58.9	60.0/51.0	40.0/30.0



◎ Ordering Information:

Part No.	Description
AD-KM-C5E-A/B-XX	CAT5e Unshielded T568A/B Keystone Jack
AD-KM-C5EU-A/B-XX	CAT5e Unshielded T568A/B Tooless Keystone Jack
AD-KM-C5ES-A/B-XX	CAT5e Shielded T568A/B Keystone Jack
AD-KM-C5ESU-A/B-XX	CAT5e Shielded T568A/B Tooless Keystone Jack
AD-KM-C6-A/B-XX	CAT6 Unshielded T568A/B Keystone Jack
AD-KM-C6U-A/B-XX	CAT6 Unshielded T568A/B Tooless Keystone Jack
AD-KM-C6S-A/B-XX	CAT6 Shielded T568A/B Keystone Jack
AD-KM-C6SU-A/B-XX	CAT6 Shielded T568A/B Tooless Keystone Jack
AD-KM-C6A-A/B-XX	CAT6A Unshielded T568A/B Keystone Jack
AD-KM-C6AS-A/B-XX	CAT6A Shielded T568A/B Keystone Jack
AD-KM-C7S-A/B-XX	CAT7 Shielded T568A/B Keystone Jack
AD-TM-90-XX	T568A/B Keystone Voice Jack

*XX is the color code:
BK= Black; RD= Red; GN= Green; YL= Yellow; BL= Blue; WH= White; OR= Orange; GY= Gray; IV= Ivory White