

Giga+ Category 6 Modular Jack

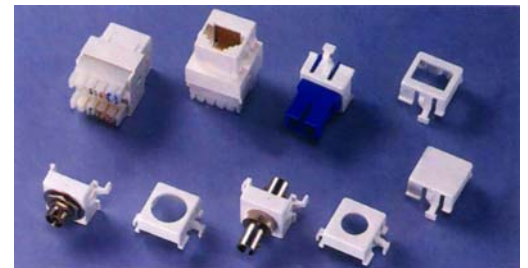
Giga+ is truly a channel solution for higher standards not only the ones being developed by ISO/IEC and TIA/EIA. Giga+ has the highest bandwidth potential of any copper channel in existence today. Exceeding proposed TIA/EIA and ISO/IEC 11801-B Category 6* Channel specifications with a substantial safety margin. All Giga+ components are tuned to work in unison for a clear and balanced transmission channel. So, Giga+ can easily handle emerging protocol technologies, such as Gigabit Ethernet and 1.2/2.4 Gbps ATM consistently and reliably. It has impressive headroom the ultimate in future proofing Insurance. So, your network investment will be protected well into the unpredictable future! Proposed Gigabit Ethernet and 622 Mbps ATM transmission are guaranteed through our 25 Year Applications Assurance Warranty program So, you can relax. Giga+ is a long term investment that will keep you on the cutting edge for years to come. To get the longest lasting copper-based system at a competitive price per port, choose the one with the highest level of technology available today-Giga+.

SPECIFICATIONS

Materials

Connecting : Polycarbonate UL94V-0, phosphor bronze, bright tinlead over nickel plating.

Modular Jack : Modified polyphenylene oxide UL94V-0, contact wires 50u inches (1.27um)gold over 3um nickel plating.



Mechanical Characteristics

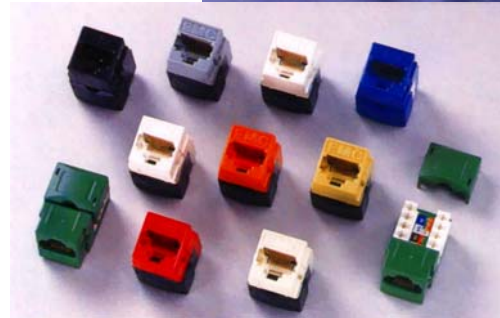
Plug retention in jack : withstand 30 lbs of axial load

Temperature: -40°C to +70°C

Mating cycles : minimum 1000(IEC 603.7/Class A)

Durability : 750 insertions

Conductor termination : 250



Electrical Characteristics

Dielectric strength (conductor-conductor) : 1000V, 60Hz/min

Dielectric strength(conductor-screen) : 1500V, 60Hz/min

Insulation resistance : > 500 M ohms(500VDC)

Contact resistance : < 20 milliohm

Current : 1.5 Ampere

Voltage : 150VAC

Features

- Universal wiring EIA/TIA 568A and 568B combined in one part Number.
- Meets the most stringent EMC standard EN 55022/Class B CSA Fcc Parts 68 subpart F ATSM6D4566 POWER SUM TP-PMD/CDDI.
- P.C.B desing Insulation Displacement Contact termination technique for in stallation cables with conductor diameters 22 AWG to 26 AWG.
- Meets EIA/TIA 568-B.2 TSB-40 CAT.6 compliant according to ISO/IEC 11801 ClassE ISO 8877 EN50173 specifications.
- Many colors meet EIA/TIA 606

Distributor

Part umbers	Description
351011 - X	6P6C Key Stone
351623 - X	8P8C Key Stone Jack Cat.6
351001	Insert For ST Adapter
351002	Insert For SC Adapter
351003	Insert For Dual SC Adapter
351004	Insert For F-TYPE Adapter
351005	Insert For BNC Adapter
351006	Insert For SMA Adapter
351007	Insert For FC Adapter
351008	Insert For Adapter

Color Cord X : R=Red B=Black W=White Y=Yellow
U=Blue C=Gray G=Green O=Orange

Transmission Characteristics

Frequency (MHz)	ATTENUATION	NEXT	PSNEXT	ELEXT	PSELEXT	RL	ACR	PSACR
1	1.9	77	75	68	65	20	75.3	73.3
4	3.8	68	66	56	53	23	64.5	62.5
8	5.4	64	62	50	47	24.5	58.4	56.4
10	6.0	62	60	48	45	25	56.3	54.3
16	7.6	59	57	44	41	25	51.7	49.7
20	8.5	58	56	42	39	25	49.3	47.3
25	9.6	56	54	40	37	24.3	46.8	44.8
31.25	10.7	55	53	38	35	23.6	44.2	42.2
62.5	15.5	50	48	32	29	21.5	34.9	32.9
100	19.9	47	45	28	25	20.1	27.4	25.4
155	25.3	44	42	24	21	18.8	19.1	17.1
200	29.2	43	41	22	19	18	13.6	11.6
250	33.0	41	39	20	17	17.3	8.3	6.3
300	36.6	40	38	18	15	16.8	3.5	1.5
350	40.0	39	37	17	14	16.3	-	-