

## *SLJMU6A-X*

### *Jack Module Category 6A UTP (Giga Speed)*

#### General standards

- International standard: ISO/IEC 11801 2nd edition (2002) and ISO/IEC 11801 Amendment 2 (2010)
- European standard: EN 50173-1 (2002) and EN 50173-1 Amendment 1 (2009)
- U.S. Standard: ANSI/TIA/EIA 568-B.2-10 (2008)

#### Description

- Silver link 10GX Modular Jack, Category 6A, RJ45, Keystone style, Electrical white

#### Physical dimensions

##### 1- Materials

Front Connection: Flexible PCB with 50u inch Gold over Nickel, Flexible PCB type

Rear Connection: Phosphor Bronze with Tin Plating over Nickel, IDC type

Connector Body: Plastic - UL940V-0

##### 2- Weight

0.007 kg

##### 3- Wiring Scheme

T568A/B

##### 4- Termination area

Indoor

##### 5- Packaging

Individually packaged in a plastic bag. Standard pack of 50 units.

##### 6- Color

Black, White, Off White



## Electrical characteristics

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Fumo** (dB)	Min. NEXT TIA* (dB)	Min NEXT Fumo** (dB)	Min FEXT TIA* (dB)	Min FEXT Fumo* (dB)
1.000	0.100	0.050	75.000	77.000	75.000	80.000
4.000	0.100	0.050	75.000	77.000	71.100	75.100
8.000	0.100	0.050	75.000	77.000	65.000	69.000
10.000	0.100	0.050	74.000	77.000	63.100	67.100
16.000	0.100	0.060	69.900	72.900	59.000	63.000
20.000	0.100	0.070	68.000	71.000	57.100	61.100
25.000	0.100	0.080	66.000	69.000	55.100	59.100
31.250	0.110	0.090	64.100	67.100	53.200	57.200
62.500	0.160	0.140	58.100	61.100	47.200	51.200
100.000	0.200	0.180	54.000	57.000	43.100	47.100
200.000	0.280	0.260	48.000	51.000	37.100	41.100
250.000	0.320	0.300	46.000	49.000	35.100	39.100
300.000	0.350	0.330	42.900	46.700	33.600	37.600
400.000	0.400	0.380	37.900	42.900	31.100	35.100
500.000	0.450	0.430	34.000	40.000	29.100	33.100
625.000		0.480		37.100		31.200

## Electrical characteristics

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Fumo** (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Fumo** (dB)	Min. PSAACRF TIA* (dB)	Min. PSAACRF Fumo** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Fumo** (dB)
1.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
4.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
10.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
16.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
20.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
25.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
31.250	30.000	34.100	70.500	72.000	67.000	72.000	38.100	45.000
62.500	30.000	34.100	70.500	72.000	67.000	72.000	32.100	39.100
100.000	28.000	30.000	70.500	72.000	67.000	72.000	28.000	35.000
200.000	22.000	24.000	64.500	66.000	61.000	66.000	22.000	29.000
250.000	20.000	22.000	62.500	64.000	59.000	64.000	20.000	27.000
300.000	18.500	20.500	61.000	62.500	57.500	62.500	18.500	25.500
400.000	16.000	18.000	58.500	60.000	55.000	60.000	16.000	23.000
500.000	14.000	16.000	56.500	58.000	53.000	58.000	14.000	21.000
625.000		13.000		56.100		56.100		19.100



Specifications	
Dielectric Strength	1,000 V RMS @ 60 Hz for 1 minute
Current Rating	1.500 A
Insulation Resistance	50 M-ohm Minimum
Max. Contact Resistance	20 m-ohm
Termination Resistance	2.5 m-ohm

## Mechanical Characteristics (Connectivity)

Specifications	
Footprint/Type	KeyConnect
Plug / Jack Compatibility	RJ45, RJ11
Termination Interface (Connection): Front mated Connection	750 Cycles
Termination Interface (Connection): Rear IDC Connection	20 terminations
Cable/Connector Retention	66.723 N
Connector/Hardware Retention	88.964 N
Plug/Connector Retention	50.042 N
Storage Temperature Range	-40°C To +70°C
Installation Temperature Range	-10°C To +60°C
Operation Temperature Range	-10°C To +60°C
Tool Compatibility	Fumo 110 Connecting Tool

## Product Family

Item Number	Color
SLJMU6A-BK	Black
SLJMU6A-W	White
SLJMU6A-OW	Off White

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