

Communication Accessories

KLS electronic
www.cnkls.com

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x1 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

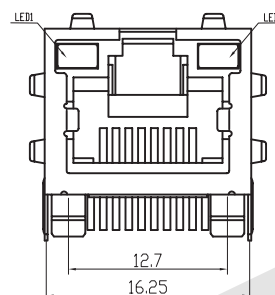
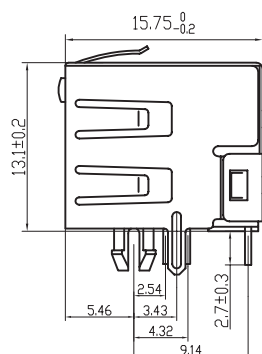
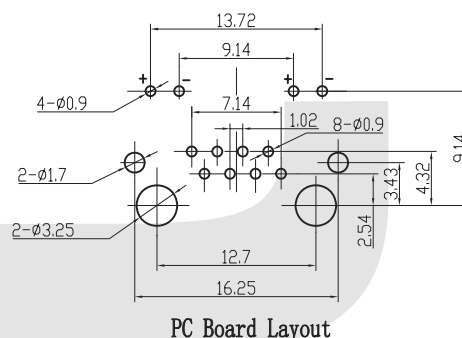
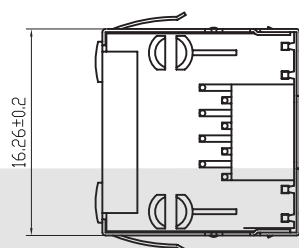
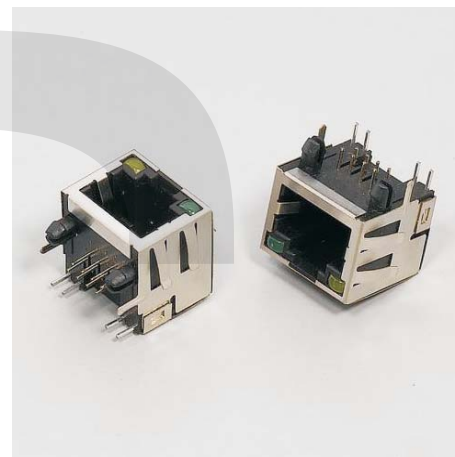
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 m Ω Max.
- 4.Insulation Resistance: 500 M Ω Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-108 - 8P8C - 1x1 - 2 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x1 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

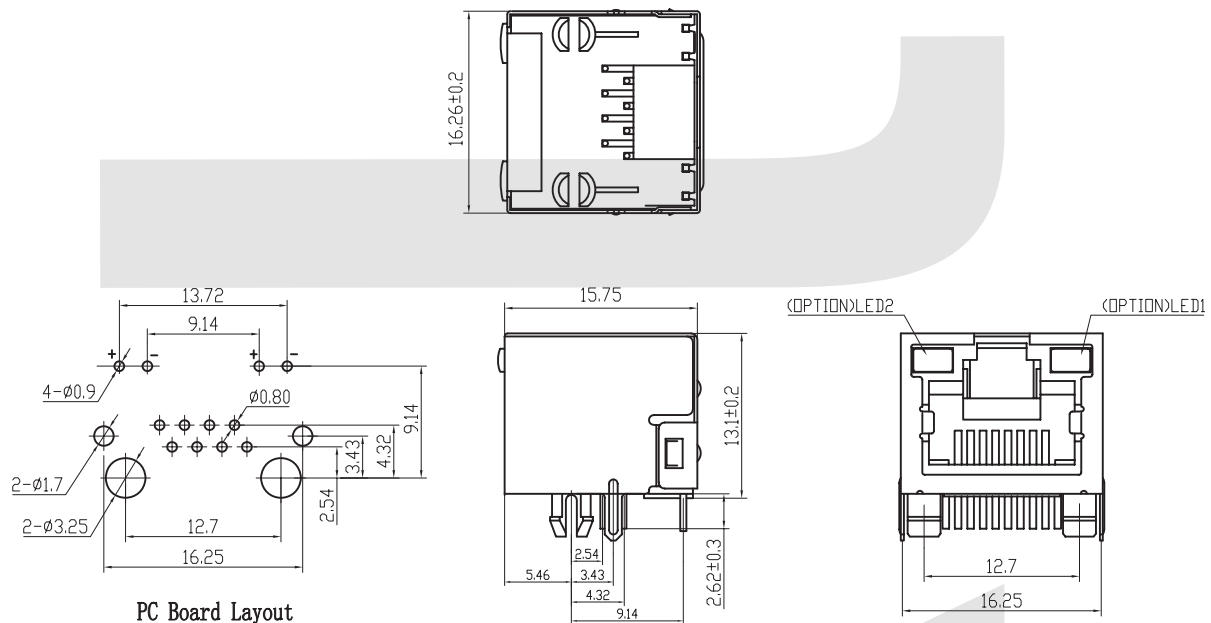
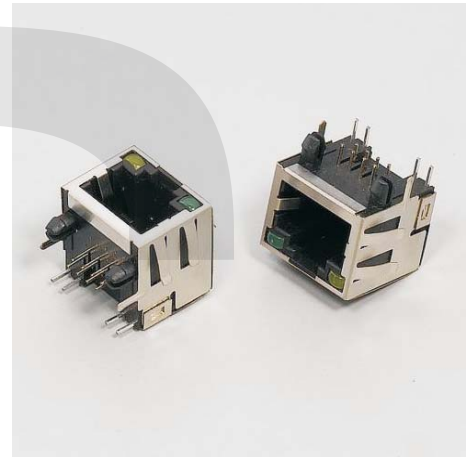
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 m Ω Max.
- 4.Insulation Resistance: 500 M Ω Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-108 - 8P8C - 1x1 - 1 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x1 Ports

MATERIAL

1. Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
2. Housing Color: Black or others
3. Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
4. Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
5. Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

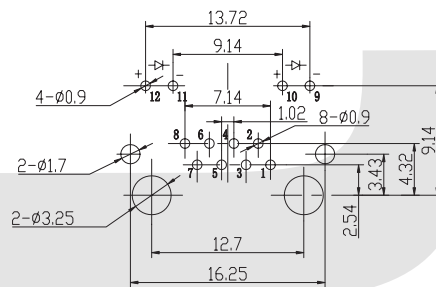
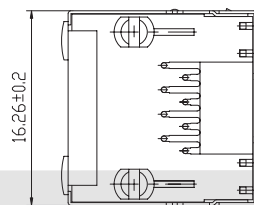
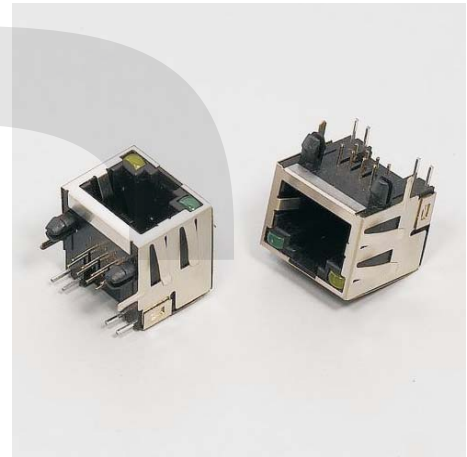
1. Current Rating: 1.5 Amp
2. Voltage Rating: 125VAC
3. Contact Resistance: 30 m Ω Max.
4. Insulation Resistance: 500 M Ω Min. @ 500 VDC
5. Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

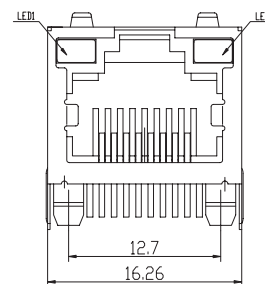
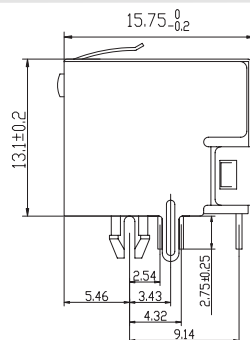
1. Durability: 750 cycles Min.
2. PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

1. Storage: -40°C ~ +80°C
2. Operation: -40°C ~ +70°C



PC Board Layout



ORDER INFORMATION

KLS12-108 - 8P8C - 1x1 - 3 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y-Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x2 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

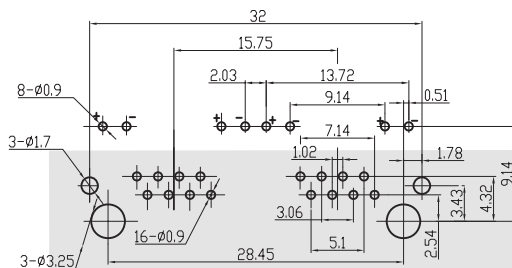
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 M Ω Max.
- 4.Insulation Resistance: 500 M Ω Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

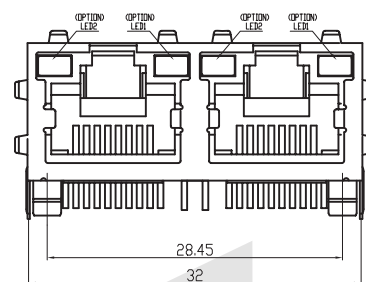
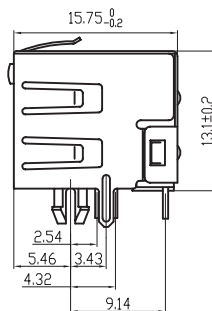
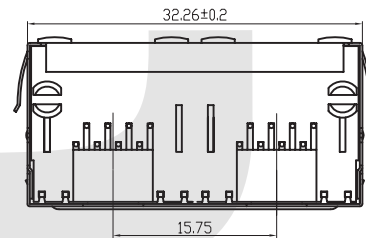
- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



PC Board Layout



ORDER INFORMATION

KLS12-108 - 8P8C - 1x2 - 2 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x4 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
- 4.Plating: Gold plating over nickel. Gold plating thickness 1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

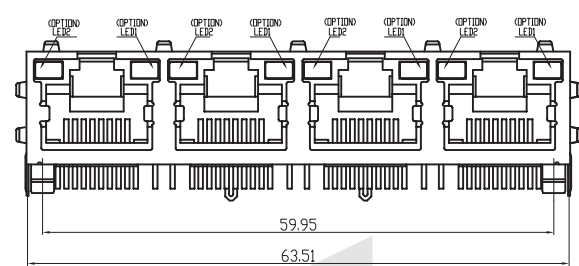
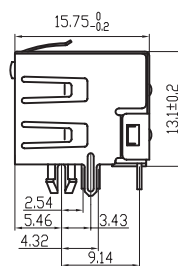
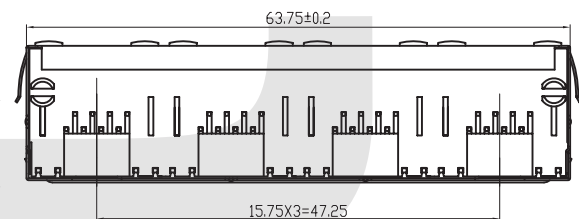
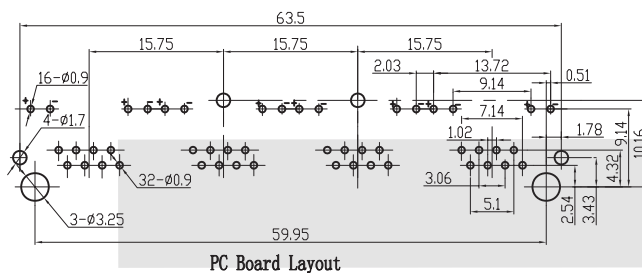
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 M Ω Max.
- 4.Insulation Resistance: 500 M Ω Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-108 - 8P8C - 1x4 - 2 - G/Y - 2 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u"	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x6 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

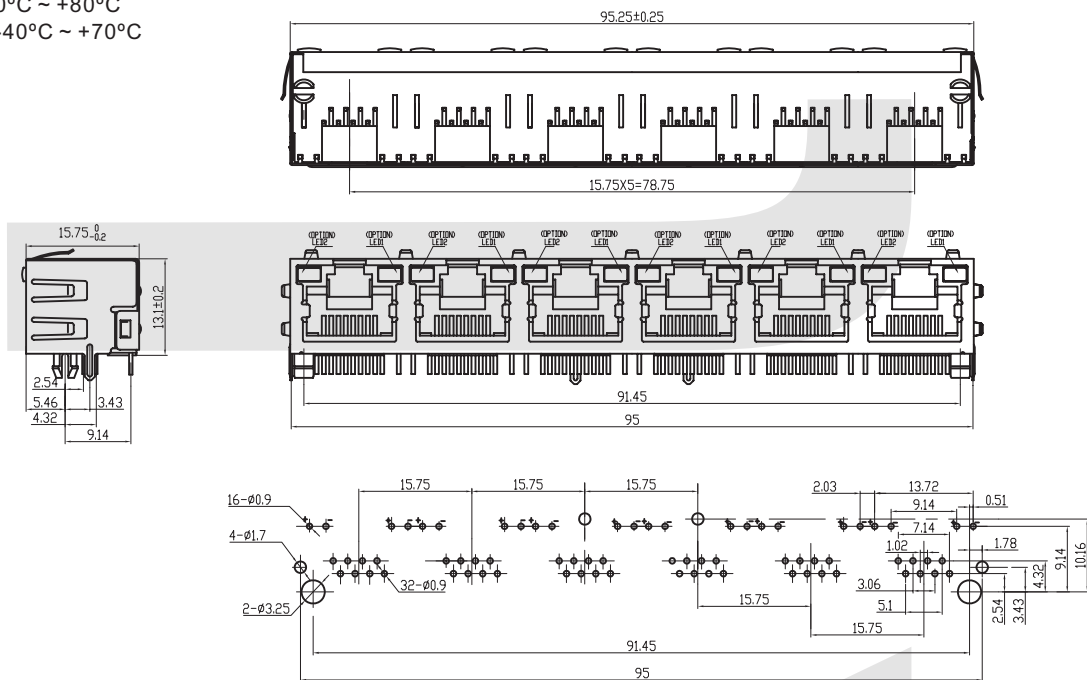
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 M Ω Max.
- 4.Insulation Resistance: 500 M Ω Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



PC Board Layout

ORDER INFORMATION

KLS12-108 - 8P8C - 1x6 - 2 - G/Y - 2 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u"	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-108-8P Modular Jack With LED 56 Series 1x8 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze $\Phi 0.46\text{mm}$
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

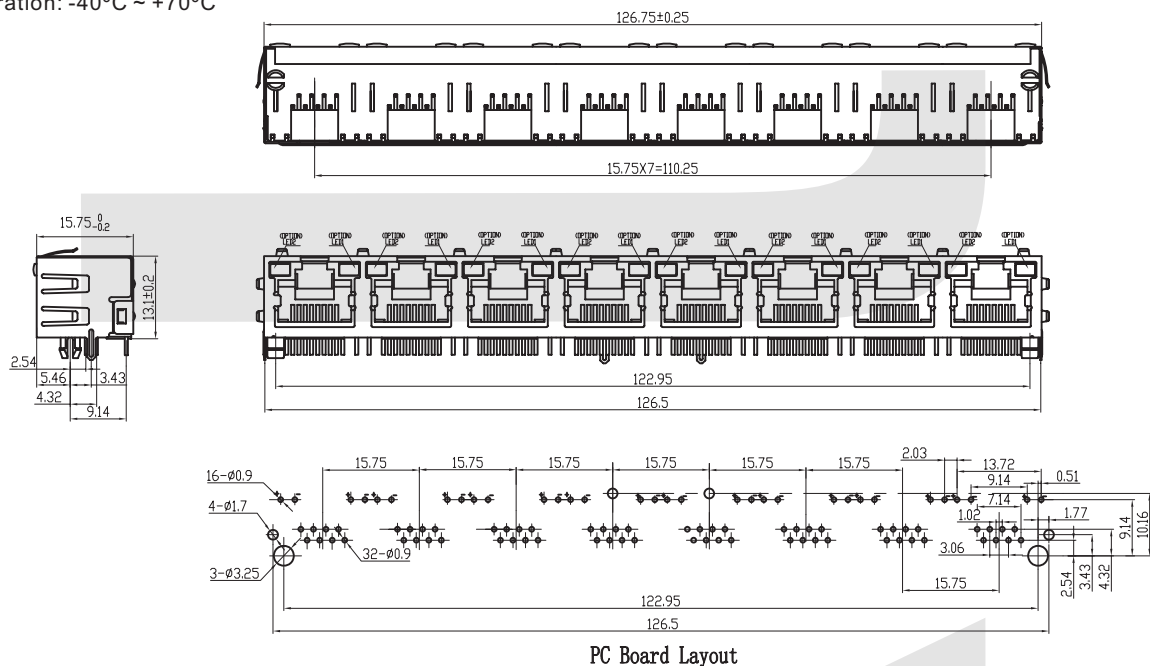
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 M Ω Max.
- 4.Insulation Resistance: 500 M Ω Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-108 - 8P8C - 1x8 - 2 - G/Y - 2 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports 1x6-6 Ports 1x8-8 Ports	1-With Shielded 2-EMI Shielded 3-Top EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-315-1x4 Modular Jack With LED Series 1x4 Ports

XII

MATERIAL:

1. HOUSING MATERIAL : GLASS FILLED POLYESTER UL94V-0ABS, PBT, NYLON
2. HOUSING COLOR : BLACK, GRAY, IVORY, WHITE OR OTHERS
3. CONTACT MATERIAL : PHOSPHOR BRONZE $\phi 0.46\text{mm}$
4. PLATING : GOLD PLATING OVER NICKEL. GOLD PLATING THICKNESS 1.5u"/3u"/6u"/15u"/30u"/50u"
5. SHIELD : 0.23 THICKNESS BRASS WITH NICKEL PLATED

ELECTRICAL:

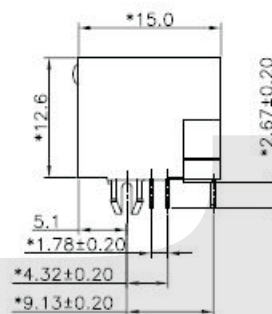
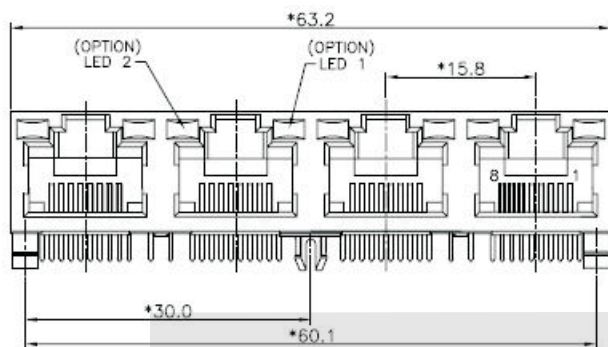
1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMP
3. CONTACT RESISTANCE : 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE : 500 MEGOHMS MIN @500 VDC
5. DIELECTRIC WITHSTANDING RESISTANCE : 1000 VAC RMS. 50Hz 1MINUTE

MECHANICAL:

1. DURABILITY : 750 CYCLES MIN
2. PCB RETENTION PRE-SOLDER : 1 LB MIN

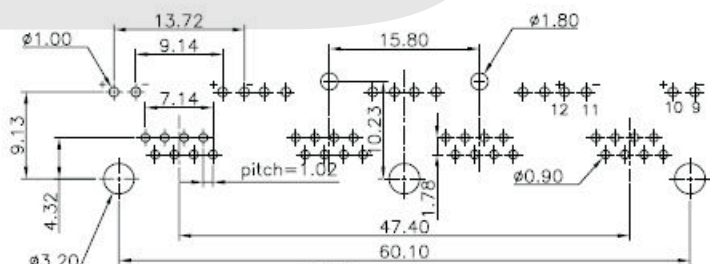
ENVIRONMENTAL

1. STORAGE : -40°C~80°C



: 125 VAC RMS.
: 1.5 AMP.
: 30 MILLIOHMS MAX.
CE: 1000 MEGOHMS MIN. @ 500 VDC.
I : 1000 VAC RMS 60Hz, 1MIN.
RD VOLTAGE: 2.2 VOLTS TYPICAL.
SE VOLTAGE: 5 VOLTS MAXIMUM.
LES MIN.

: HIGH TEMP. UL94V-0 COLOR BK.
: GLASS FILLED POLYESTER UL94V-0 BK.
: GLASS FILLED POLYESTER UL94V-0 BK.
: 3.05*1.85*7.0, P=2.54mm.



PCB Layout
Component Side Shown

ORDER INFORMATION

KLS12-315 - 8P8C 1x4 - G/Y - XX - X

Part Number	Point No.	Ports	LED Style	Gold Plating	Plastic
	8P8C Point	1x11 Ports 1x2-2 Ports 1x4-4 Ports	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y-Yellow / Yellow 0-Without LED	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-315-1x2 Modular Jack With LED Series 1x2 Ports

XII

MATERIAL:

1. HOUSING MATERIAL : GLASS FILLED POLYESTER UL94V-0ABS, PBT, NYLON
2. HOUSING COLOR : BLACK, GRAY, IVORY, WHITE OR OTHERS
3. CONTACT MATERIAL : PHOSPHOR BRONZE $\phi 0.46\text{mm}$
4. PLATING : GOLD PLATING OVER NICKEL. GOLD PLATING THICKNESS 1.5u"/3u"/6u"/15u"/30u"/50u"
5. SHIELD : 0.23 THICKNESS BRASS WITH NICKEL PLATED

ELECTRICAL:

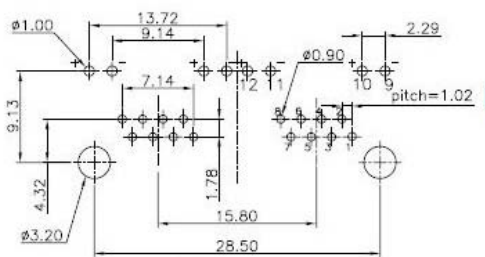
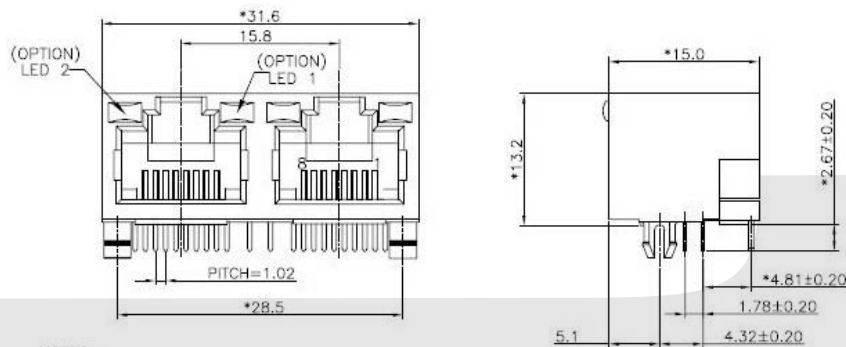
1. VOLTAGE RATING: 125 VAC RMS.
2. CURRENT RATING : 1.5 AMP
3. CONTACT RESISTANCE : 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE : 500 MEGOHMS MIN @500 VDC
5. DIELECTRIC WITHSTANDING RESISTANCE : 1000 VAC RMS. 50Hz 1MINUTE

MECHANICAL:

1. DURABILITY : 750 CYCLES MIN
2. PCB RETENTION PRE-SOLDER : 1 LB MIN

ENVIRONMENTAL

1. STORAGE :-40°C~80°C



PCB Layout
Component Side Shown

ORDER INFORMATION

KLS12-315 - 8P8C 1x2 - G/Y - XX - X

Part Number	Point No.	Ports	LED Style	Gold Plating	Plastic
	8P8C Point	1x11 Ports 1x2-2 Ports 1x4-4 Ports	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y-Yellow / Yellow 0-Without LED	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-314-8P Modular Jack With LED 59 Series 2x2 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"

ELECTRICAL

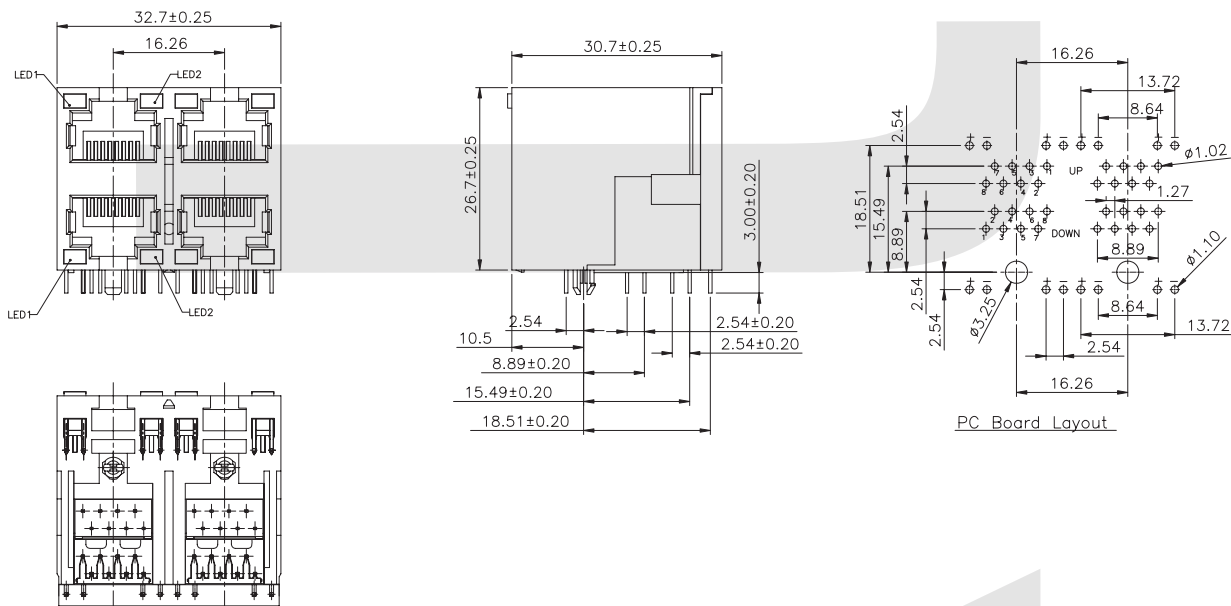
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-314 - 8P8C - 2x2 - G/Y - XX - X

Part Number	Point No.	Ports	LED Style	Gold Plating	Plastic
	8P8C Point	2x1-2 Ports 2x2-4 Ports 2x4-8 Ports 2x6-12 Ports	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-313-8P Modular Jack With LED 59 Series 2x1 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

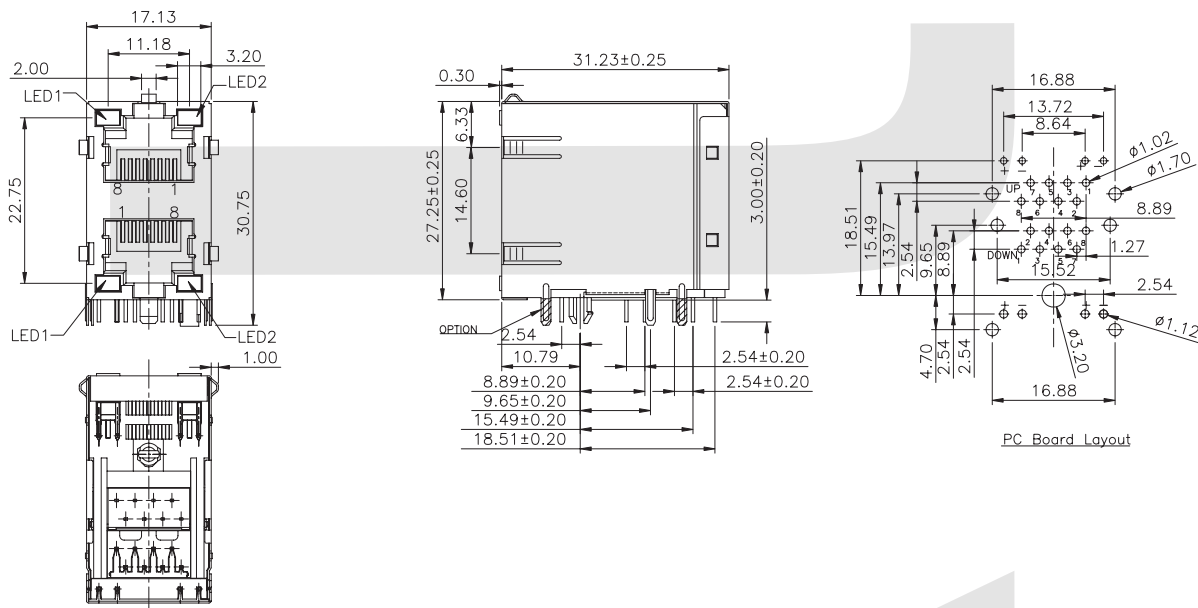
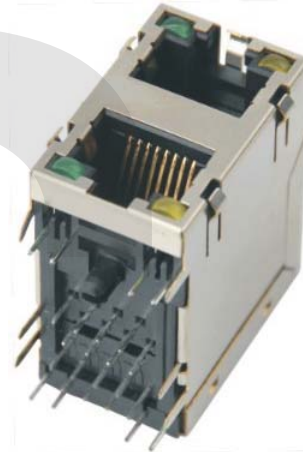
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-313 - 8P8C - 2x1 - 2 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	2x1-2 Ports 2x2-4 Ports 2x4-8 Ports 2x6-12 Ports	1-With Shielded 2-EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-313-8P Modular Jack With LED 59 Series 2x2 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u"/3u"/6u"/15u"/30u"/50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

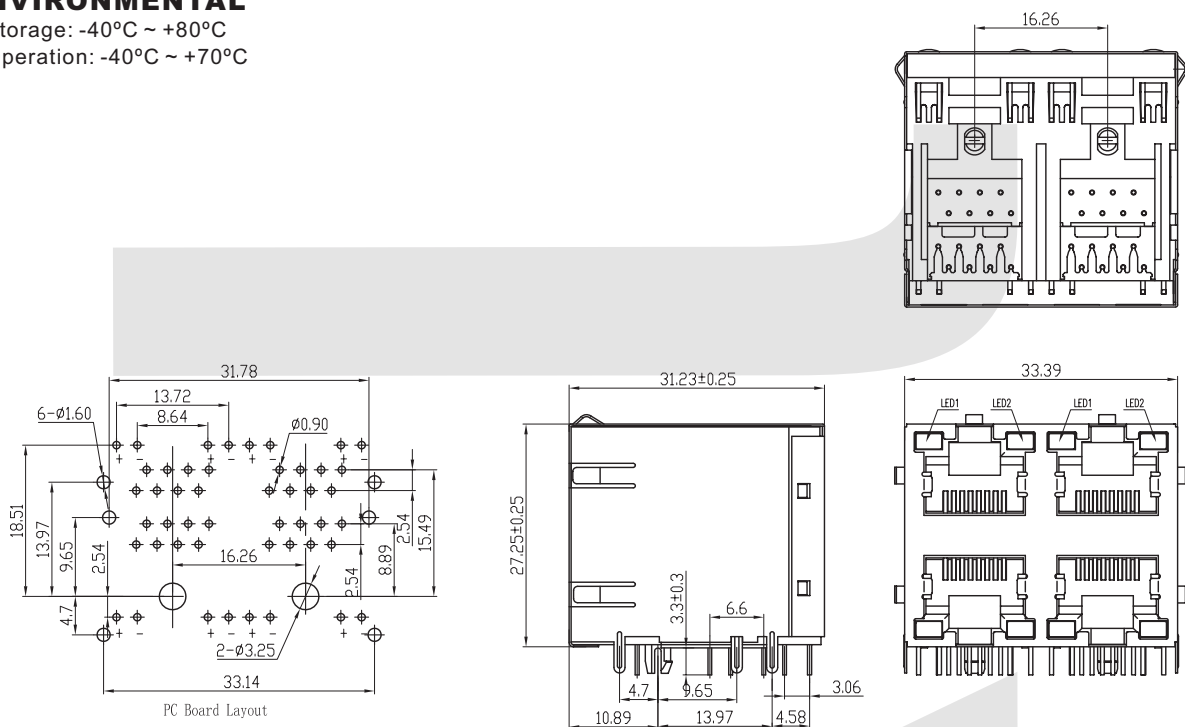
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 mΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-313 - 8P8C - 2x2 - 2 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	2x1-2 Ports 2x2-4 Ports 2x4-8 Ports 2x6-12 Ports	1-With Shielded 2-EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-313-8P Modular Jack With LED 59 Series 2x4 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

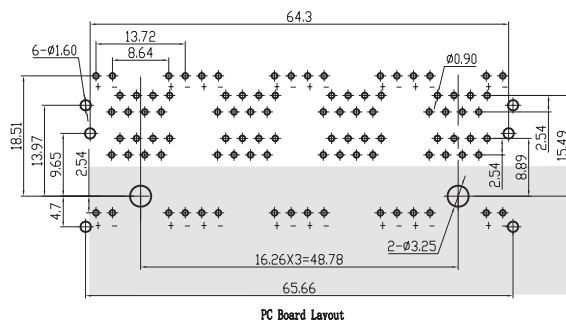
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

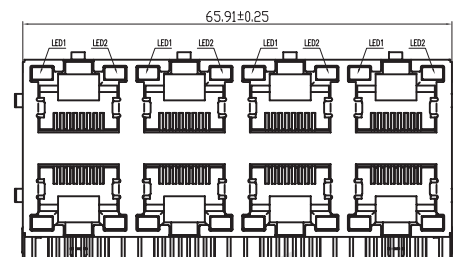
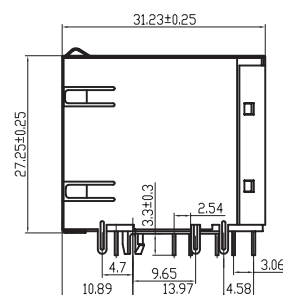
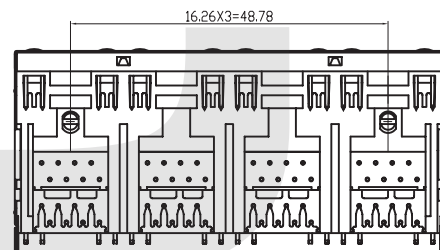
- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



PC Board Layout



ORDER INFORMATION

KLS12-313 - 8P8C - 2x4 - 2 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	2x1-2 Ports 2x2-4 Ports 2x4-8 Ports 2x6-12 Ports	1-With Shielded 2-EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-313-8P Modular Jack With LED 59 Series 2x6 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"
- 5.Shield: 0.23 Thickness Brass with nickel plated

ELECTRICAL

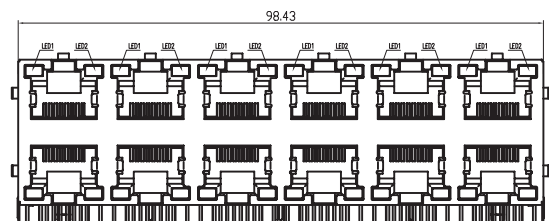
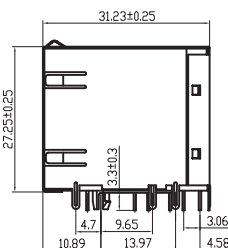
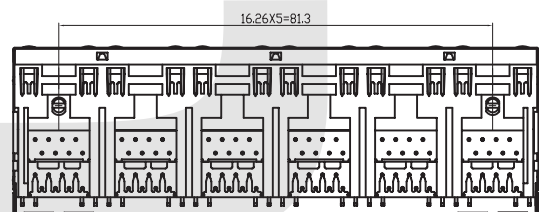
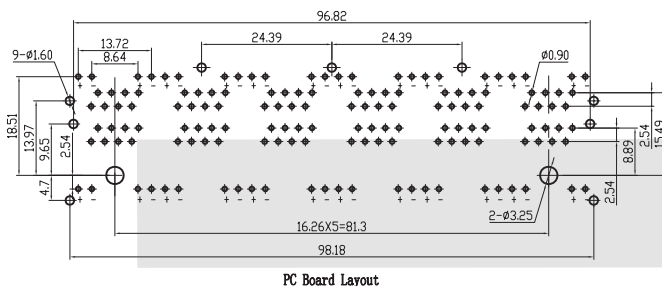
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

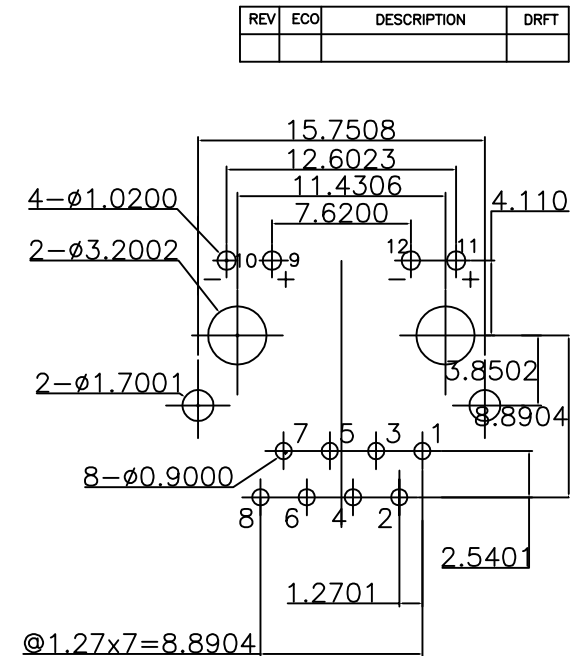
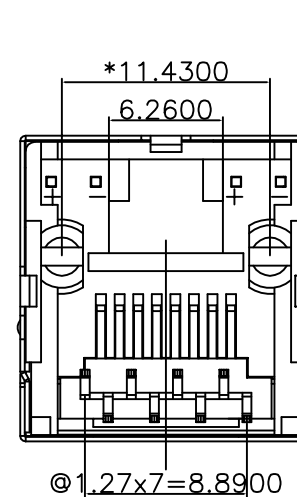
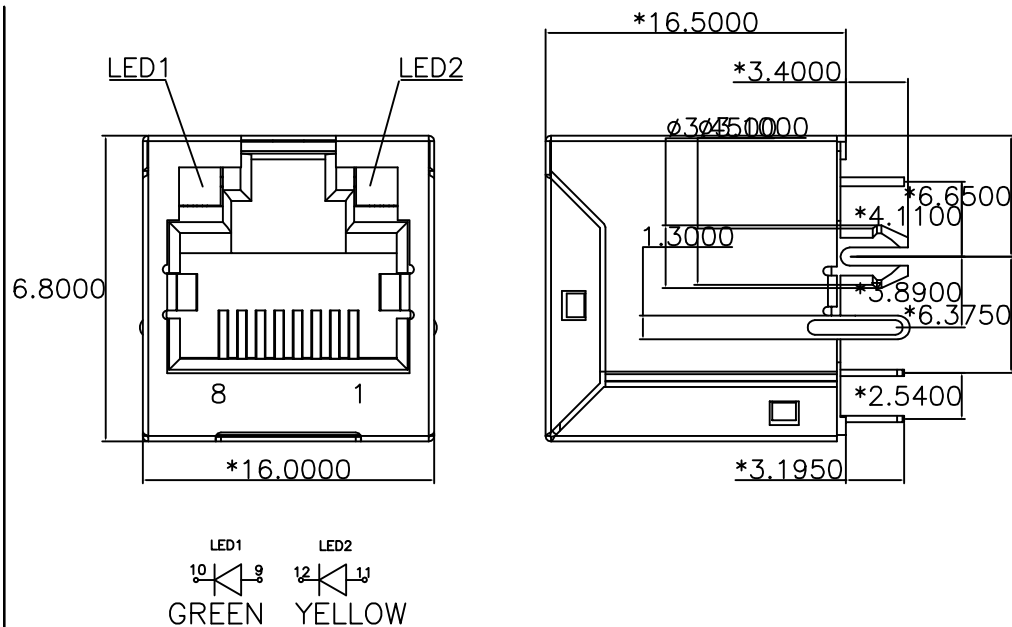
- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-313 - 8P8C - 2x6 - 2 - G/Y - 0 - XX - X

Part Number	Point No.	Ports	Shielded	LED Style	Back Peg	Gold Plating	Plastic
	8P8C Point	2x1-2 Ports 2x2-4 Ports 2x4-8 Ports 2x6-12 Ports	1-With Shielded 2-EMI Shielded	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	0-Without Back Peg 1-1 Back Peg 2-2 Back Peg	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT



PC BOARD LAYOUT
COMPONENT SIDE SHOWN

NOTES:

ELECTRICAL:

- VOLTAGE RATING : 125 VAC RMS.
- CURRENT RATING : 1.5 AMP.
- CONTACT RESISTANCE : 30 MILLIOHMS MAX.
- INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 500 VDC.
- DIELECTRIC STRENGTH : 1000 VDC RMS 60Hz, 1MIN.

MECHANICAL:

- SHIELD MATERIAL : BRASS C2680 t=0.25mm.
- HOUSING MATERIAL : NYLON+GF30% UL94V-0.
- HOUSING COLOR : BLACK.
- CONTACT MATERIAL : PHOSPHOR BRONZE t=0.35mm.
- PLATING : GOLD PLATING OVER NICKEL.
- OPERATING LIFE : 750 CYCLES MIN.
- PCB RETENTION PRE-SOLDER : 1 LB MIN.
- PCB RETENTION POST-SOLDER: 10 LBS MIN.
- LED'S CHARACTERISTICS:
 - POWER DISSIPATION:80MW MAX.
 - FORWARD CURRENT:30MA MAX.
 - FORWARD VOLTAGE:2.2 VOLTS TYPICAL.
 - REVERSE VOLTAGE:5.0VOLTS MAX.
 - PEAR EMISSION WAVELENGTH:GREEN LED 568nm TYPICAL.
YELLOW LED 589nm TYPICAL.
 - ANODE $\rightarrow$ CATHODE

ENVIRONMENTAL:

- STORAGE : -40°C TO +85°C.
 - OPERATION: -40°C TO +85°C.
 - WAVE SOLDERING TEMPERATURE:
255°C TO 265°C 5-10 SECONDS.
 - RoHS COMPLIANT.
- MATES WITH MODULAR PLUG CONFORMING TO
FCC PART 68, SUBPART F.
LBF5288-3A0X

DETACHED LISTS	MM (INCH)	DFTO DESIGNER	DATE	KLS ELECTRONIC CO., LTD	
	TOLERANCES EXCEPT AS NOTED	CHKD	DATE		
		MFO	DATE		
	MM	APPVL	LUSHENG	DATE	TITLE KLS12-109-8P8C-G/Y
	.0 ± 0.2				
	.00 ± 0.15				
	.000 ± 0.075				DRAWING NO.
	ANGLES ± 0.5	QT'Y :	QUANTITY	/PART NO.	SIZE A3
	THIRD ANGLE PROJECTION	FINISH :	FINISH	DO NOT SCALE DRAWING	SHEET X c
		SCALE :	SCALE		

Modular Jack With LED Series

KLS12-315-8P Modular Jack With LED 56 Series 1x1 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"

ELECTRICAL

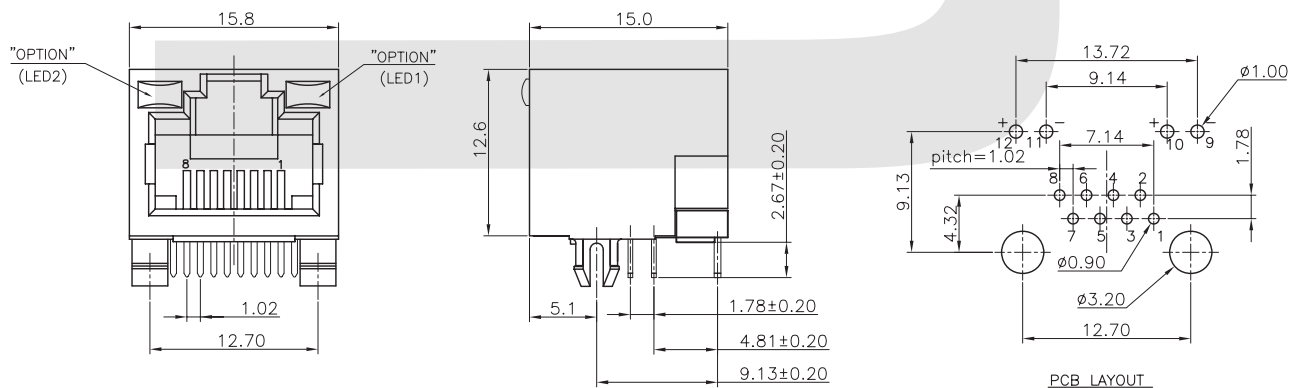
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-315 - 8P8C - 1x1 - G/Y - XX - X

Part Number	Point No.	Ports	LED Style	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-315-8P Modular Jack With LED 56 Series 1x2 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"

ELECTRICAL

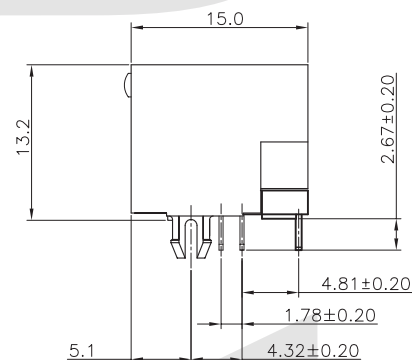
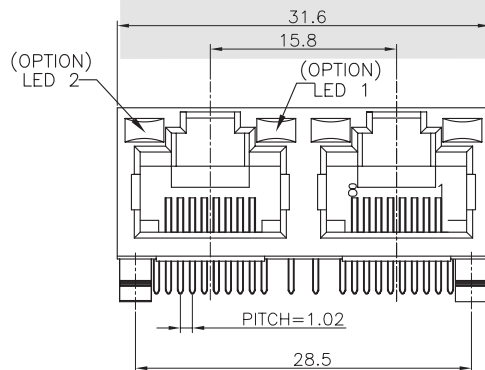
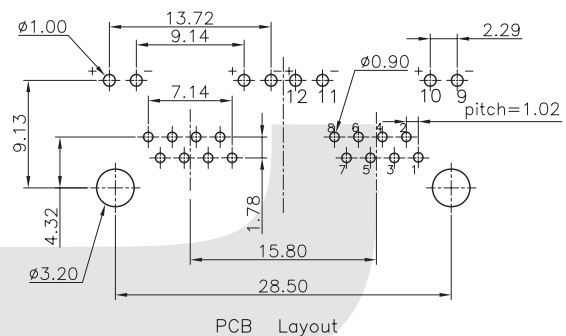
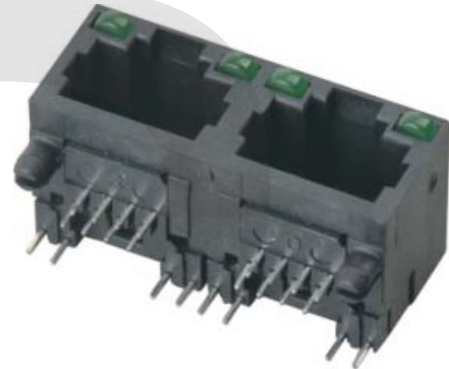
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-315 - 8P8C - 1x2 - G/Y - XX - X

Part Number	Point No.	Ports	LED Style	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT

Modular Jack With LED Series

KLS12-315-8P Modular Jack With LED 56 Series 1x4 Ports

MATERIAL

- 1.Housing Material: Glass Filled Polyester UL94V-0 PBT, Nylon
- 2.Housing Color: Black or others
- 3.Contact Material: Phosphor Bronze Flat Pin
- 4.Plating: Gold plating over nickel. Gold plating thickness
1.5u" / 3u" / 6u" / 15u" / 30u" / 50u"

ELECTRICAL

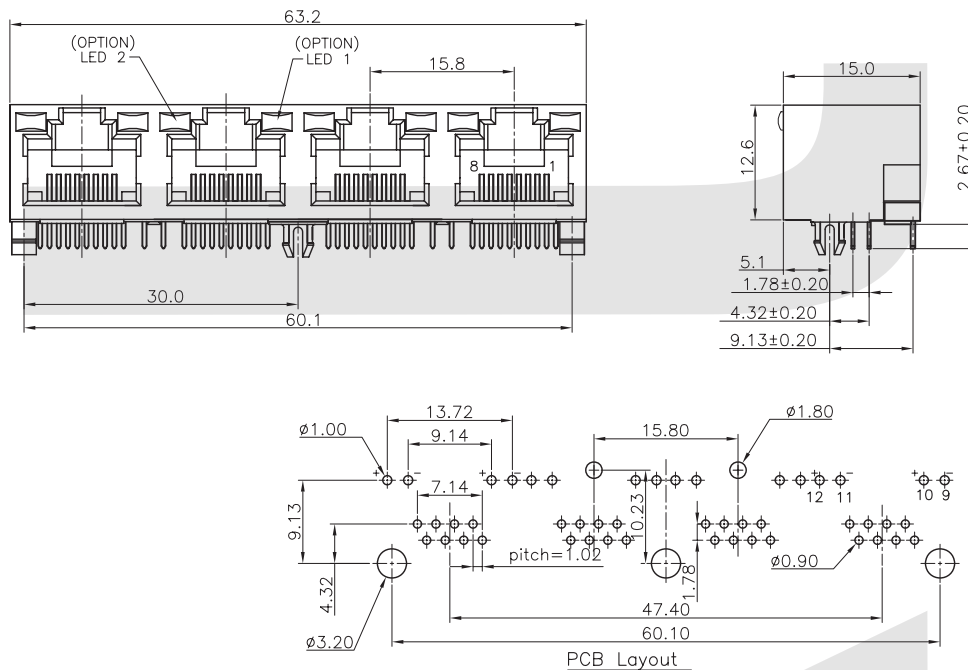
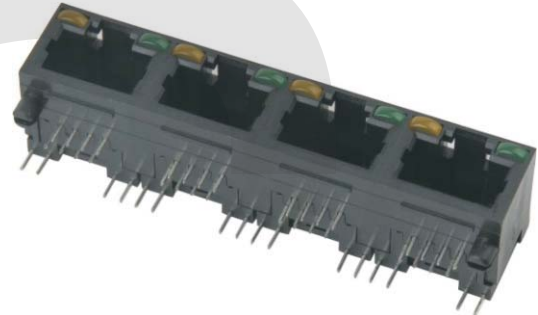
- 1.Current Rating: 1.5 Amp
- 2.Voltage Rating: 125VAC
- 3.Contact Resistance: 30 MΩ Max.
- 4.Insulation Resistance: 500 MΩ Min. @ 500 VDC
- 5.Withstanding Voltage: 1000VAC RMS 50Hz 1 minute

MECHANICAL

- 1.Durability: 750 cycles Min.
- 2.PCB Retention pre-solder: 1 LB Min.

ENVIRONMENTAL

- 1.Storage: -40°C ~ +80°C
- 2.Operation: -40°C ~ +70°C



ORDER INFORMATION

KLS12-315 - 8P8C - 1x4 - G/Y - XX - X

Part Number	Point No.	Ports	LED Style	Gold Plating	Plastic
	8P8C Point	1x1-1 Ports 1x2-2 Ports 1x4-4 Ports	G/Y-Green / Yellow Y/G-Yellow / Green R/G-Red / Green G/R-Green / Red G/G-Green / Green Y/Y -Yellow / Yellow 0-Without LED	01-Fu" 02-3u" 03-6u" 04-15u" 05-30u" 06-50u	1-Nylon66 2-Nylon46 3-PBT