

## RJ45 with Transformer

KLS12-TL133 1000 Base 2x1 RJ45

### Electrical Specifications:

**ELECTRICAL:**

RoHS peak wave solder temperature rating 235°C  
High performance for maximum EMI suppression  
350uH minimum OCL with 8mA bias current  
PoE rating:15W,350mA,48V (For PoE Products only)

**MECHANICAL:**

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,PART 68 SUBPART F.

INSERTION FORCE: 2 CONTACTS----350g 4 CONTACTS----500g  
6 CONTACTS----750g 8 CONTACTS----900g  
10 CONTACTS----1050g

RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG  
DURABILITY: 750 MATING CYCLES Mini

**MATERIAL:**

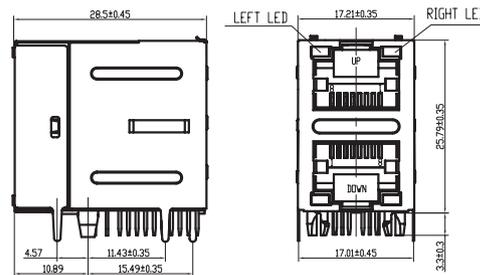
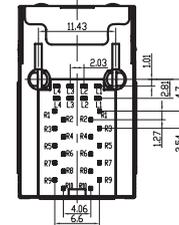
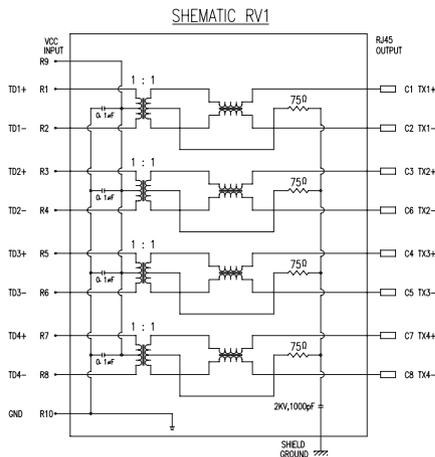
HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)  
2) GLASS FILLED PA46/LCP (UL 94V-0)  
3) GLASS FILLED PBT (UL 94V-0)

SPRING WIRE: 1) 0.2-0.45mm DIA PHOSPHOR BRONZE GOLD PLATING OVER NICKEL  
2) 0.2-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL

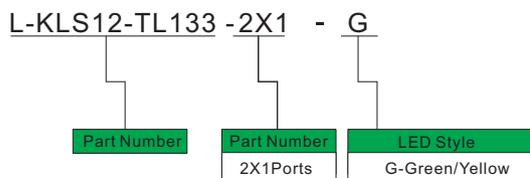
SHIELDING: 0.12-0.24mm THICKNESS COPPER ALLOY WITH TIN PLATED GOLD PLATING: 3µ", 6µ", 15µ", 30µ", 50µ"

WORKING TEMPERATURE: -20°C~70°C

TOLERANCES UNLESS OTHERWISE SPECIFIED : 0~10±0.15, 10~20±0.2, 20~40±0.25, 40~70±0.3, 70±0.4



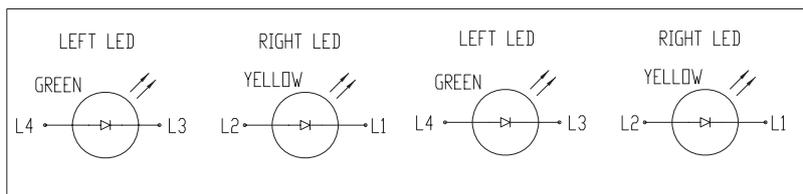
## ORDER INFORMATION



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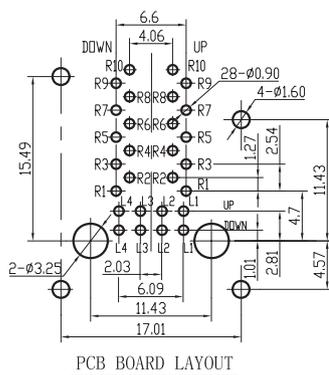
LED Specification

Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD

1. LED intensity/wavelength measured with Photo Research PR-650 Colormeter
2. With a forward current of 20 mA, Absolute Maximum Ratings (Ta=25°C)

### ELECTRICAL SPECIFICATIONS AT 25 °C

Insertion Loss dB max	Return Loss dB min			Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (vrms)
	1-30MHz	30- 60MHz	60- 100MHz	1-30MHz	30- 60MHz	60- 100MHz	1-50MHz	50-150MHz	
-1.0	-18	-16	-12	-40	-35	-30	-30	-20	1500/0.5mA



PCB BOARD LAYOUT



## ORDER INFORMATION

L-KLS12-TL133 -2X1 - G

Part Number

Part Number

LED Style

2X1Ports

G-Green/Yellow