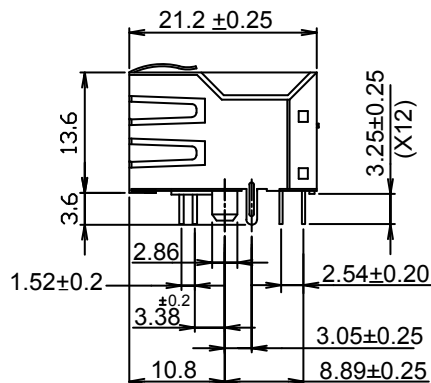
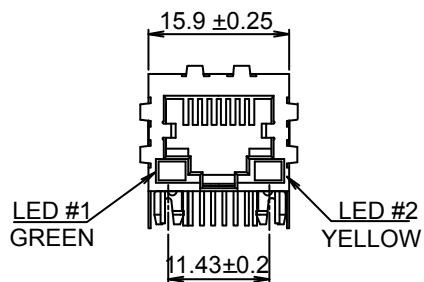
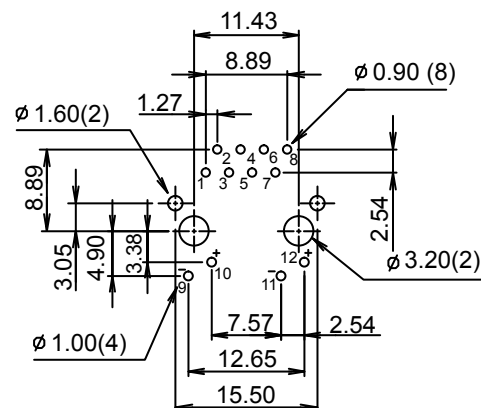


MATES WITH PLUG CONFORMING
TO FCC PART 68, SUBPART F.

DETAIL "Y"

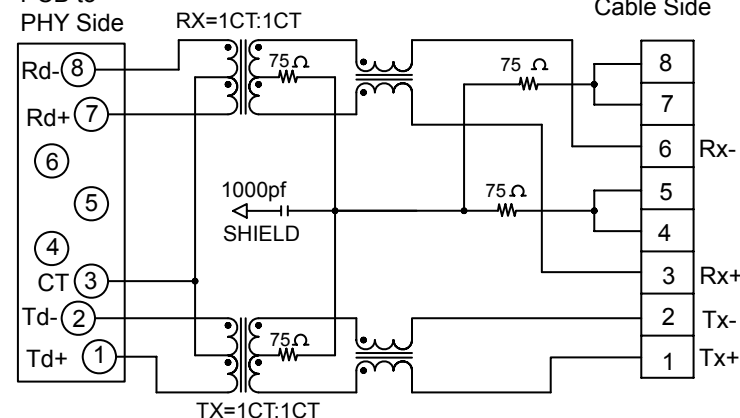


RECOMMENDED PCB LAYOUT
(COMPONENT SIDE)

SPECIFICATION:

Item	Parameter	Condition	Min.	Typ.	Max.	Unit	Remark
1	Insertion Loss	1-100 MHz			-1	dB	
2	Return Loss	1-30 MHz	-16			dB	
		40 MHz	-14			dB	
		50 MHz	-13.5			dB	
		60 MHz	-13			dB	
		80 MHz	-10			dB	
3	OCV @100KHz/0.1V With 8mA DC Bias	100 KHz	350			uH	
4	Crosstalk	1-30 MHz	-40			dB	
		30-60 MHz	-35			dB	
		60-100 MHz	-30			dB	
5	Hipot	Vrms	1.5			kV	
6	Turns Ratio (CHIP: CABLE)	TX: 1 : 1 RX: 1 : 1				CT	
7	CMR	1-30 MHz	-30			dB	
		30-60 MHz	-25			dB	
		60-125 MHz	-20			dB	

PCB to
PHY Side



SCHEMATIC DIAGRAM

ELECTRICAL:

VOLTAGE RATING: 120V AC

CURRENT RATING: 1.5A Min.

CONTACT RESISTANCE:

< 20 Milliohm Max.

INSULATION RESISTANCE:

> 500 Megaohm Min.

DIELECTRIC WITHSTANDING VOLTAGE:

1000V (rms) AC for 1 Minute Min.

OPERATING TEMPERATURE: -40° C to +85° C

MATERIAL:

INSULATOR: PBT Glass Filled (UL94V-0)

CONTACT: 0.35mm Thickness Phosphor Bronze

CONTACT PLATING: Gold Plating over Nickel

MECHANICAL:

DURABILITY: 500 Mating Cycles Min.

A 3 0 1 2 - 0 1 S - S T 3 - X 0 S6 - G Y T10 - Z

SELECTIVE PLATING:

- 6 - 6u" Au CONTACT AREA/ TIN TAIL
- 7 - 10u" Au CONTACT AREA/ TIN TAIL
- 8 - 15u" Au CONTACT AREA/ TIN TAIL
- 9 - 30u" Au CONTACT AREA/ TIN TAIL

LED 1: LED 2:
Choose Option
from Table Above

RoHS
COMPLIANT

W/ TRANSFORMER:
T10 - Type 10 Transformer

DIMENSION "D"

PCB GROUND TAB LOCATION:

S6 - Back, 3.05, Staggered LED's - 1 Port

Rev	Drawn	Checked	Approved	Date
0	BS	S.M.	S.M.	06/08/16
A	BS	S.M.	S.M.	09/29/16

SCALE: N/A

TOL. DEC. .X +/- 0.25 .XX +/- 0.13 .XXX +/- 0.05 ANGLE +0.45/-0.15 UNIT: mm

SMP TECHNOLOGY, INC.

RJ45 JACK, TAB DOWN, w/ T-10 TRANSFORMER w/LED's - SINGLE

PORT, SHIELDED, PCB SHIELD PEG 3.05mm, STAGGERED LED's

P/N: A3012 - 01S - ST3 - X0S6 - GYT10 - Z

Pg: 1