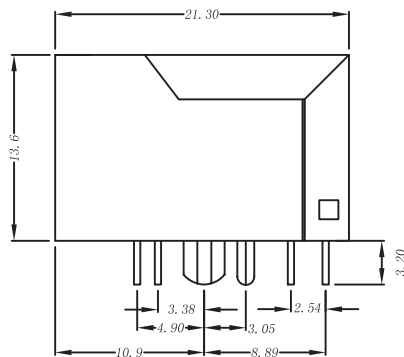
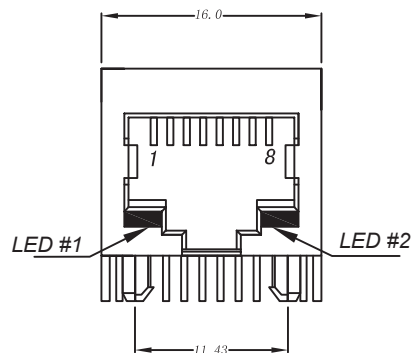
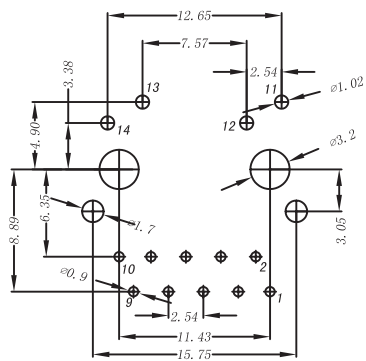




MATES WITH PLUG CONFORMING
TO FCC PART 68, SUBPART F.



PCB LAYOUT
(Top View)

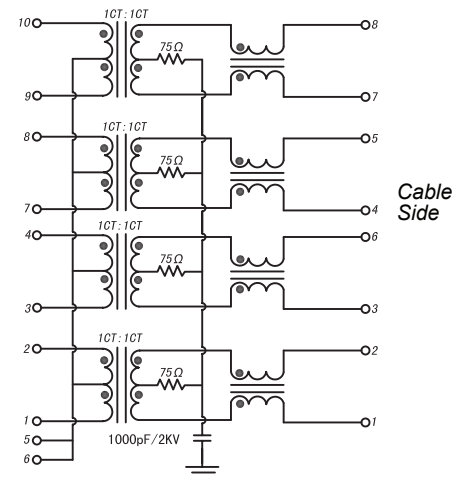
LED SCHEMATIC



OCL - 350 uH Min@100Khz/0.1V with 8mA DC Bias
Turns Ratio (+/- 2%) =TX 1CT:1CT RX=1CT:1CT

Specification :

Insertion loss	1 ~ 100 MHz	-1
Return loss	1 ~ 30 MHz	-18
	30 ~ 60 MHz	-16
	60 ~ 80 MHz	-12
	80 ~ 100 MHz	-10
Crosstalk	1 ~ 30 MHz	-40
	30 ~ 60 MHz	-35
	60 ~ 100 MHz	-30
Common Mode Rejection	1 ~ 50 MHz	-40
	50 ~ 150 MHz	-30
Hipot	@ 60 MHz	1500



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: 0° C to +70° 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.

HOW TO ORDER:

A 3 0 1 2 - 0 1 C - N 0 0 - X 0 S6 - G Y T7 - Z

SPRING TAB LOCATION:

0 - NO SPRING TABS ON TOP,
SIDE & BOTTOM

SELECTIVE PLATING:

6 - 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:
T7 - Type 7 Transformer

DIMENSION "D"

PCB GROUND TAB LOCATION:

S6 - Back 3.05 No Rear Tabs (Staggered LED's - 1 Port)

Rev	Drawn	Checked	Approved	Date	SMP TECHNOLOGY, INC.
0	WHS	S.M.	S.M.	6/02/08	
SCALE: N/A					1000 BASE-TX RJ45 JACK, w/ TRANSFORMER w/LED's ;SINGLE PORT
					SHIELDED, PCB SHIELD PEG 3.05mm, STAGGERED LED's
TOL. DEC. .X +/- .XX +/- 0.25 .XXX +/- 0.15 ANGLE +0.45/-0.15 UNIT: mm					P/N: A3012 - 01C - N00 - X0S6 - GYT7 - Z Pg: 1