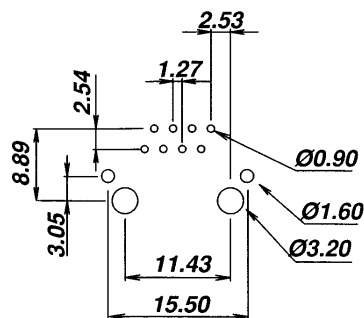
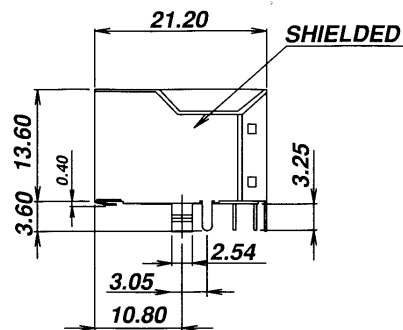
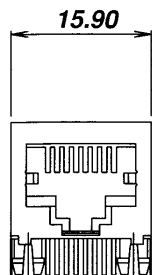




PCB Layout

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

ELECTRICAL:

CURRENT RATING: 1.5A Min.

CONTACT RESISTANCE:

< 20 Milliohm Max.

INSULATION RESISTANCE:

> 500 Megaohm Min.

DIELECTRIC WITHSTANDING VOLTAGE:

1000V (rms) AC for 1 Minute

OPERATING TEMPERATURE: -25° C to +90° C

MATERIAL:

INSULATOR: NYLON 46 (UL94V-0)

CONTACT: 0.35mm Thickness Phosphor Bronze

CONTACT PLATING: Nickel Plated and With 30u Gold Plated

MECHANICAL:

DURABILITY: 500 Mating Cycles Min.

SPECIFICATION:

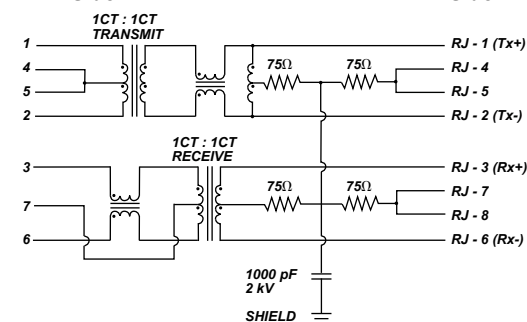
Item	Parameter	Condition	Min.	Typ.	Max.	Unit	REMARK
1	Insertion loss	1-100 MHz			-1.0	dB	
2	Return loss	1-30 MHz	-20			dB	NOTE 1
		30-60 MHz	-15			dB	
		60-80 MHz	-10			dB	
3	Common to Diff. Rejection	100KHz-100MHz	-35			dB	
4	Common to Comm. Rejection	100KHz-100MHz	-35			dB	
5	OCL	100 KHz	350			μH	
6	Crosstalk (Pair To Pair)	100KHz-100MHz	-30			dB	
7	Hipot	Vrms	1.5			kV	
8	Turns Ratio (Chip : Cable)	TX : 1 : 1 RX : 1 : 1				CT	
9	Direct Current Resistance				1.2	Ω	

NOTE 1: Greater than (16-20 Log (f/30MHZ)) dB

PINOUT

PIN	SYMBOL
1	Td+
2	Td-
3	Rd+
4	CT
5	CT
6	Rd-
7	CT

PCB to PHY Side



HOW TO ORDER:

A 3 0 1 2 - 0 1 S - N 0 0 - X 0 B - 0 0 T1 - Z

TABS:

N0 - NO TABS

ST - SPRING TABS

GT - GROUND TABS

SPRING TAB LOCATION:

0 - NO TAB LOCATION

1 - SPRING TABS ON TOP

2 - SPRING TABS ON TOP & SIDES

3 - SPRING TABS ON TOP, SIDES & BOTTOM

4 - SPRING TABS ON TOP (NORMAL POSITION)

& SIDES (ROTATED UP)

5 - SPRING TABS ON SIDES (OFF SET)

6 - SPRING TABS ON TOP & SIDES (OFF SET)

7 - SPRING TABS ON SIDES

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

TRANSFORMER TYPE:

T1 - TYPE 1

TRANSFORMER

DIMENSION "D"

PCB GROUND TAB LOCATION:

0 - FRONT, 4.57mm

B - BACK, 3.05mm

F - FRONT 3.65mm

**RoHS
COMPLIANT**

Rev	Apv.	Date	SMP TECHNOLOGY, INC.	
0	A.M.	04/01/02		
A	A.M.	07/01/03		
B	WHS	06/15/06		
SCALE			RJ45 JACK, w/ TRANSFORMER - SINGLE PORT	
MAT'L				
FINISH				
TOL. DEC.	.X +/-	.XX +/- 0.25	.XXX +/- 0.15	ANGLE +0.45/-0.15
			UNIT: mm	
			P/N: A3012 - 01S - N00 - X0B - 00T1 - Z	