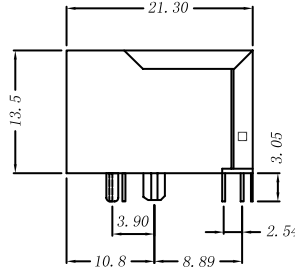
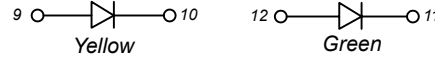


PCB LAYOUT (TOP VIEW)



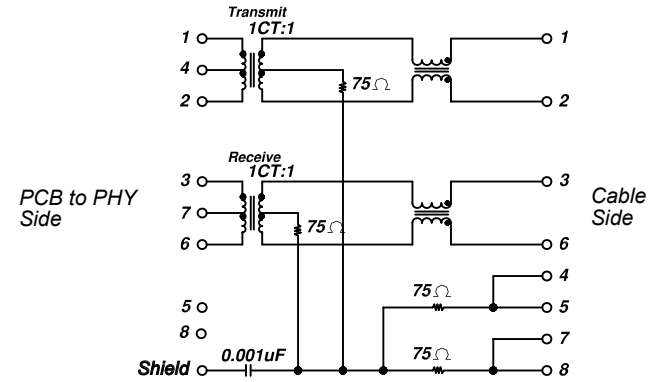
MATES WITH PLUG CONFORMING TO FCC PART 68, SUBPART F.



LED OPTION TABLE:

| OPTION | FORWARD | REVERSE |
|--------|---------|---------|
| G      | Green   | ----    |
| Y      | Yellow  | ----    |
| 1      | Green   | Orange  |
| 2      | Yellow  | Orange  |
| 3      | Green   | Red     |
| 4      | Yellow  | Red     |
| 5      | Green   | Yellow  |
| 6      | Yellow  | Green   |

| Item | Parameter                 | Condition     | Min. | Typ. | Max. | Unit | REMARK |
|------|---------------------------|---------------|------|------|------|------|--------|
| 1    | Insertion loss            | 1-65 MHz      |      |      | -1.0 |      |        |
|      |                           | 1-30 MHz      | -18  |      |      |      | dB     |
|      |                           | 40 MHz        | -16  |      |      |      | dB     |
| 2    | Return loss               | 50 MHz        | -12  |      |      |      | dB     |
|      |                           | 60 MHz        | -10  |      |      |      | dB     |
|      |                           | 30 MHz        | -40  |      |      |      | dB     |
| 3    | Crosstalk (Pair To Pair)  | 60 MHz        | -35  |      |      |      | dB     |
|      |                           | 100 MHz       | -30  |      |      |      | dB     |
|      |                           | 30 MHz        | -35  |      |      |      | dB     |
| 4    | Common to Comm. Rejection | 60 MHz        | 350  |      |      |      | dB     |
|      |                           | 100 MHz       |      |      |      |      | dB     |
|      |                           | 100KHz-100MHz | -30  |      |      |      | uH     |
| 5    | OCL                       | 100KHz-100MHz | -30  |      |      |      | uH     |
| 6    | Hipot                     | Vrms          | 1.5  |      |      |      | kV     |



SCHEMATIC DIAGRAM

**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: 0° C to +70° C

**MATERIAL:**

INSULATOR: NYLON 46 (UL94V-0)  
 CONTACT: 0.35mm Thickness Phosphor Bronze  
 CONTACT PLATING: Nickel Plated and With Gold Plated

**MECHANICAL:**

DURABILITY: 500 Mating Cycles Min.

**HOW TO ORDER:**

A 3 0 1 2 - 0 4 C - N 0 0 - X 0 H - Y G T9 - Z

**TABS:**  
 N0 - NO TABS

**SPRING TAB LOCATION:**  
 0 - NO EMI TAB

**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:**  
 T9 - Type 9 Transformer

**DIMENSION "D"**  
**PCB GROUND TAB LOCATION:**  
 H - FRONT, 3.90mm; 3 REAR TABS

| Rev      | Drawn | Checked | Approved | Date     |
|----------|-------|---------|----------|----------|
| 0 Issued | WHS   | S.M.    | S.M.     | 06/04/08 |

**SMP TECHNOLOGY, INC.**

RJ45 JACK, TAB DOWN, w/ TRANSFORMER w/LED's - FOUR PORT,  
 SHIELDED, PCB SHIELD PEG 3.90mm

SCALE: NA

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

P/N: A3012 - 04C - N00 - X0H - YGT9 - Z