RoHS 2002/95/EC

LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
−	+	YELLOW	−	+		ORANGE
				+	−	GREEN
			−	+	−	MIXED YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C
TURNS RATIO
TP1   1CT : 1CT ±2%
TP2   1CT : 1CT ±2%
TP3   1CT : 1CT ±2%
TP4   1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS   (0-70 Deg. C)
  8mA DC BIAS   350μH MIN.
INS. LOSS
  0.1MHz TO 1MHz   -1.1 dB MAX
  1MHz TO 65MHz   -0.5 dB MAX
  65MHz TO 100MHz   -0.8 dB MAX
  100MHz TO 125MHz   -1.2 dB MAX
RET. LOSS (MIN)
  0.5MHz-40MHz   -18 dB
  40MHz-100MHz   -12+20LOG(f/80MHz) dB
CM TO CM REJ
  100kHz – 100MHz   -30 dB MIN
CM TO DM REJ
  100kHz – 100MHz   -35 dB MIN
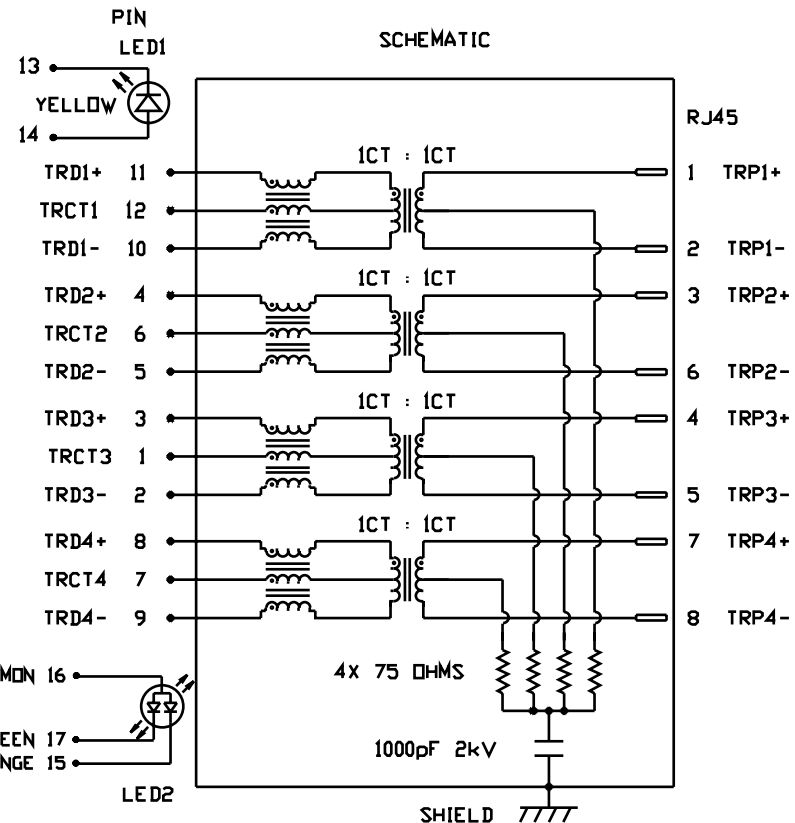HIPOT (Isolation Voltage):   1500 Vrms or 2250 VDC
LED 1
  VF (FORWARD VOLTAGE)   IF=20mA YELLOW 2.1V TYP.
  λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.
LED 2
  VF (FORWARD VOLTAGE)   IF=20mA GREEN 2.2V TYP.
                                 ORANGE 2.0V TYP.
  λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
                                 ORANGE 610nm TYP.
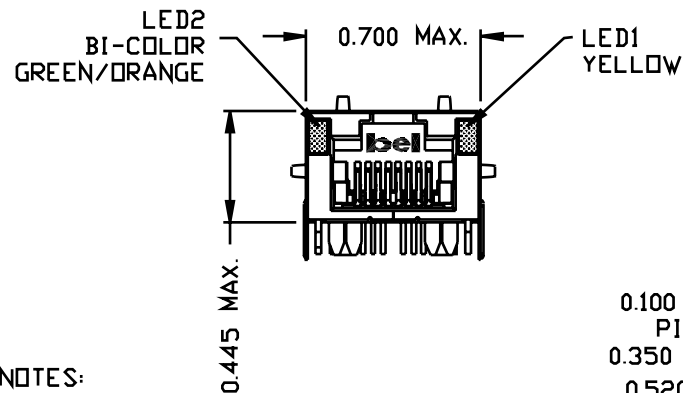 MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.

PIN LED1 / SCHEMATIC

MagJack®

RoHS
2002/95/EC

MECHANICAL SPECIFICATION

1

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW

LED2
BI-COLOR
GREEN/ORANGE

0.700 MAX.

LED1
YELLOW

0.445 MAX.

0.125 [3.18]

0.950MAX.

0.130 [3.30]

0.100 [2.54]
PITCH
0.350 [8.89]
0.520 [13.20]

0.360 [9.14]
0.100 [2.54]

0.360 [9.14]
0.350 [8.89]
0.100 [2.54]

0.692 [17.58]
0.592 [15.04]
0.380 [9.65]

5X Ø0.050 [Ø1.27]

⊕14
⊕13

17⊕
16⊕
15⊕

2X Ø0.062 [Ø1.57]
2X Ø0.128 [Ø3.24]

1 2 3 4 5 6

7 8 9 10 11 12

12X Ø0.035 [Ø0.89]

0.100 [2.54]

0.040 [1.02]
0.080 [2.03]
PITCH
0.240 [6.10]

NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA 4/6.
FLAMMABILITY RATING UL 94V-0

CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
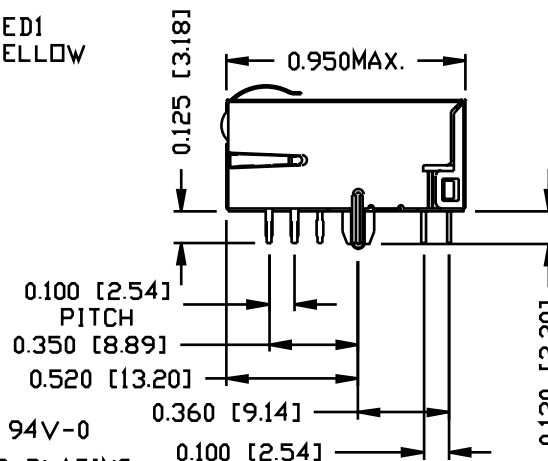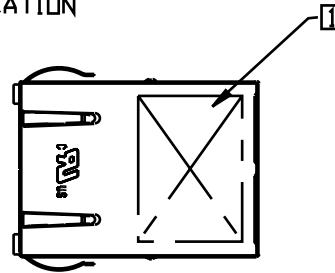OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
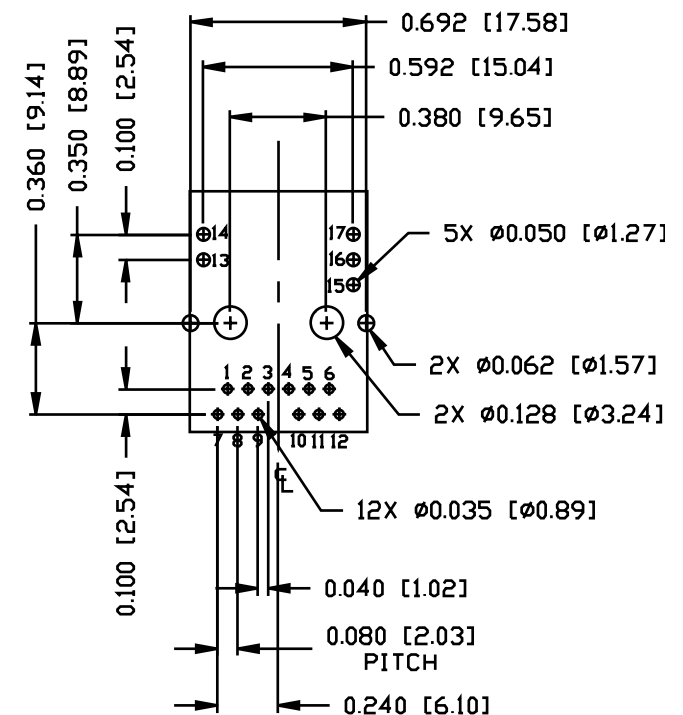SOLDERABILITY: PER MIL STD. 202, METHOD 208.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
                 (ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.

c𝄐Us UL RECOGNIZED - FILE #E196366 AND E169987.

MagJack®

RoHS
2002/95/EC

SUGGESTED PANEL OPENING

0.722 [18.34]

0.460 [11.68]

0.080 [2.03]
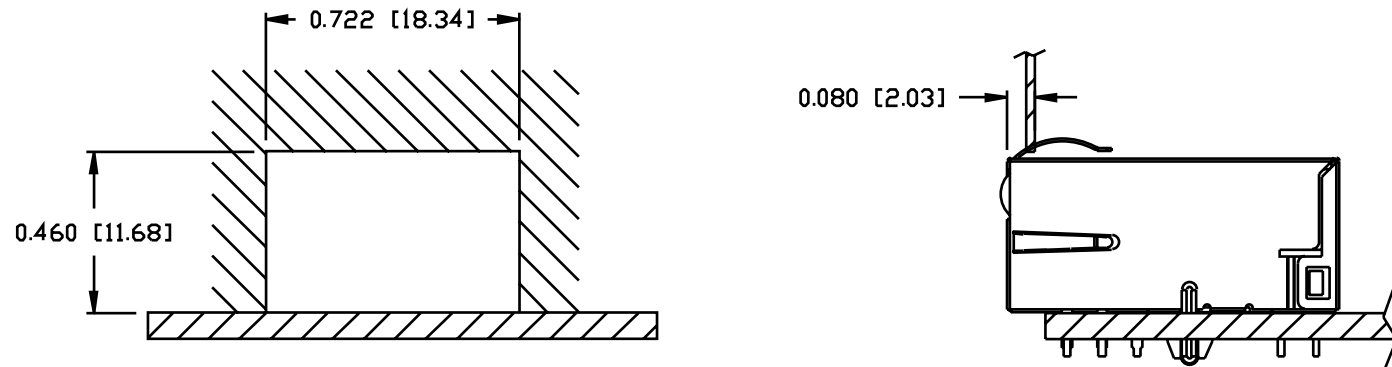
NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)
              0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
                   12 TRAY (720 PCS FINISHED GOODS) PER CARTON BOX
NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
       (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

MagJack®