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LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	GREEN	+	-	YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±3%
TP2	1CT : 1CT ±3%
TP3	1CT : 1CT ±3%
TP4	1CT : 1CT ±3%

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350 μ H MIN.

INS. LOSS

1MHz TO 100MHz -11 dB MAX

RET. LOSS (MIN)

1MHz-40MHz -18 dB
40MHz-100MHz -12+20LOG(F/80MHz) dB

CM TO CM REJ

1MHz - 100MHz -20 dB MIN

CROSSTALK (TX - RX)

1MHz - 30MHz -40 dB MIN
30MHz - 60MHz -30 dB MIN

OPERATING TEMPERATURE

-40 °C TO 85 °C

HIPOT (Isolation Voltage)

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

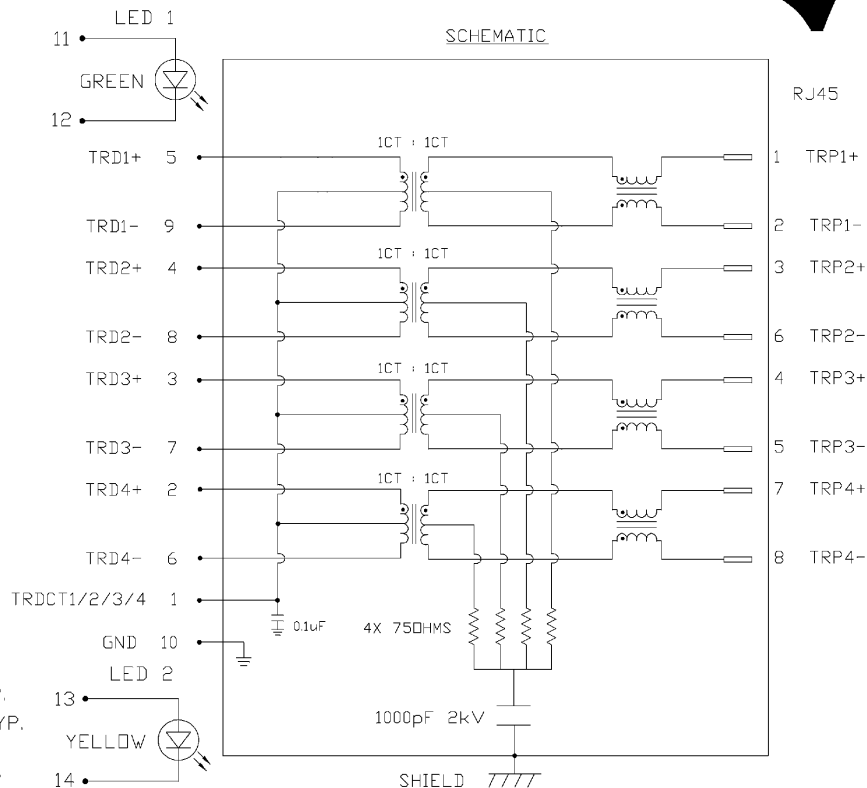
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λ D (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

LED 2

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λ D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

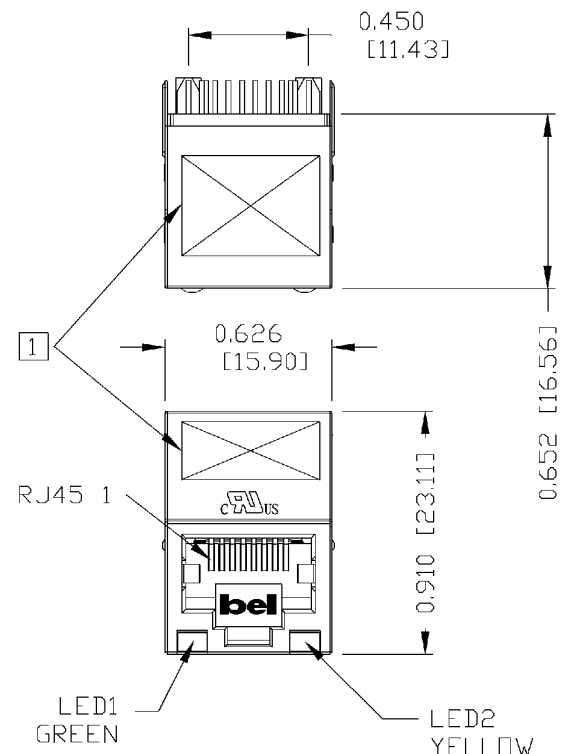
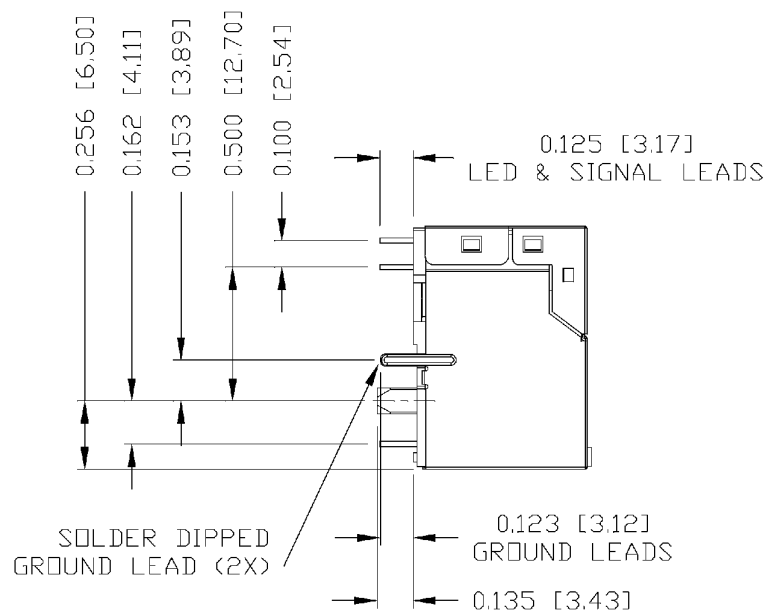


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
WC CHOW	10-18-07	gigabit MagJack® (8 cores, Vertical)	V890-1AX1-Y5	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
WEIDE LEE	10-18-07		V890-1AX1-Y5_A.DWG	.XX .XXX	PAGE : 2

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MECHANICAL SPECIFICATION

RoHS
2002/95/EC



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT.
FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

cUL US UL RECOGNIZED - FILE #E196366 AND E169987.

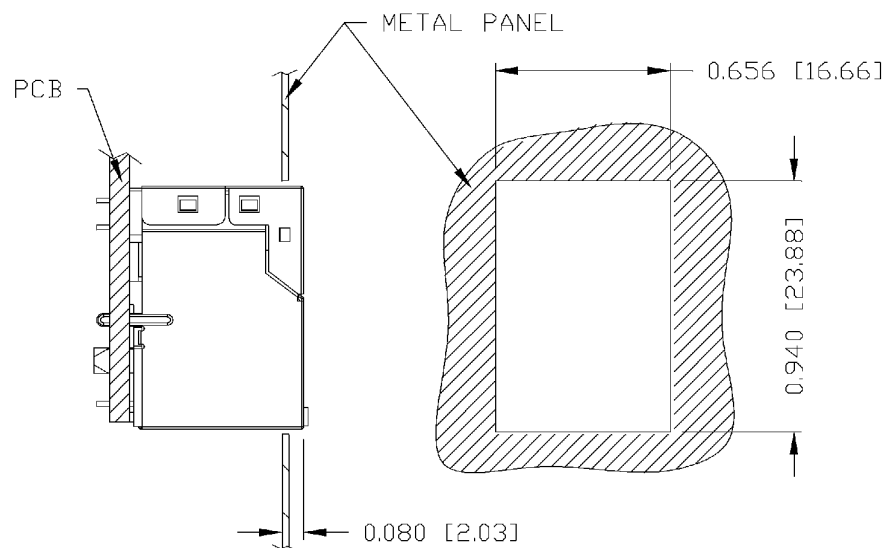
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL CHEN	10-18-07	gigabit MagJack® (8 cores, Vertical)	V890-1AX1-Y5	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
CHRIS NG	10-18-07		V890-1AX1-Y5_A.DWG	.XXX ±0.010	⊕	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

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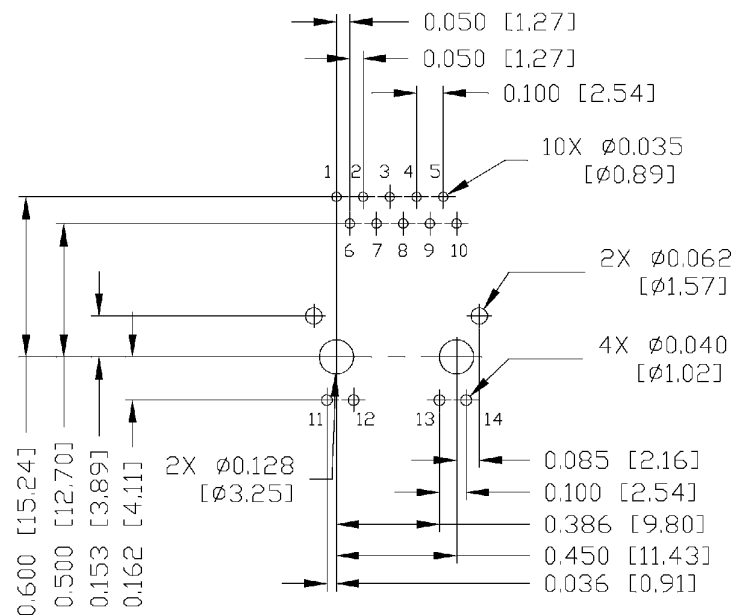


SUGGESTED PANEL OPENING



RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



NOTES:

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-I3(TOP)

0200-9999-I4(BOTTOM)

PACKING QUANTITY : 55 PCS FINISHED GOODS PER TRAY

9 TRAYS (495 PCS FINISHED GOODS) PER CARTON BOX

NOTER: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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BILL CHEN	10-18-07	gigabit MagJack® (8 cores, Vertical)	V890-1AX1-Y5	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
CHRIS NG	10-18-07		V890-1AX1-Y5_A.DWG	.XXX ±0.004	⊕	PAGE : 4

