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WRITTEN APPROVAL OF BEL FUSE INC.

LED 1 POLARITY			LED 2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	YELLOW	+	-	GREEN
-	+	GREEN			

### ELECTRICAL CHARACTERISTICS @ 25°C

#### TURNS RATIO

TP1	1CT : 1CT $\pm 3\%$
TP2	1CT : 1CT $\pm 3\%$
TP3	1CT : 1CT $\pm 3\%$
TP4	1CT : 1CT $\pm 3\%$

DC @ 100kHz/100mVRMS

8mA DC BIAS 350  $\mu$ H MIN.

#### INS. LOSS

1MHz TO 100MHz -1.1 dB MAX

RET. LOSS (MIN) @ 100  $\Omega$ HMS  $\pm/-15\%$

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

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.  
YELLOW 590nm TYP.

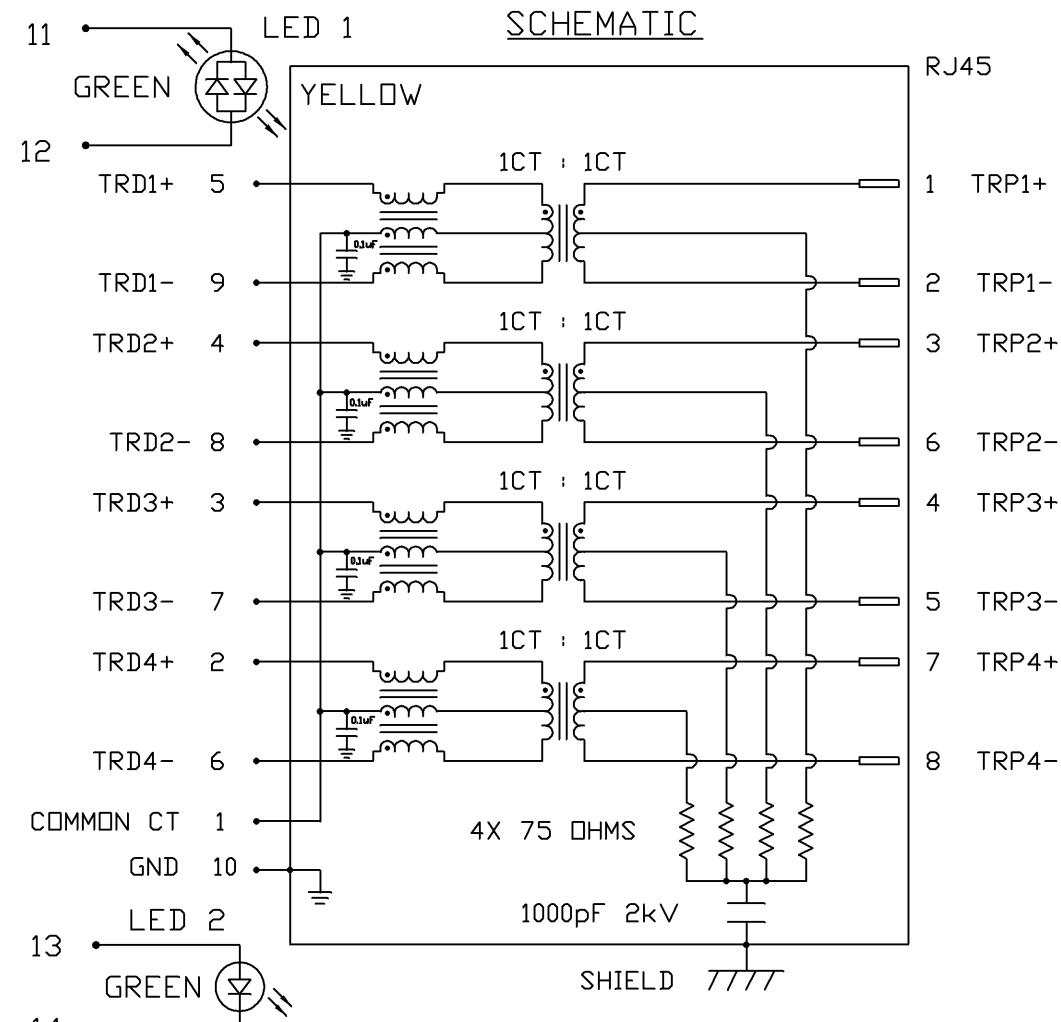
#### LED 2

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

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

PRELIMINARY

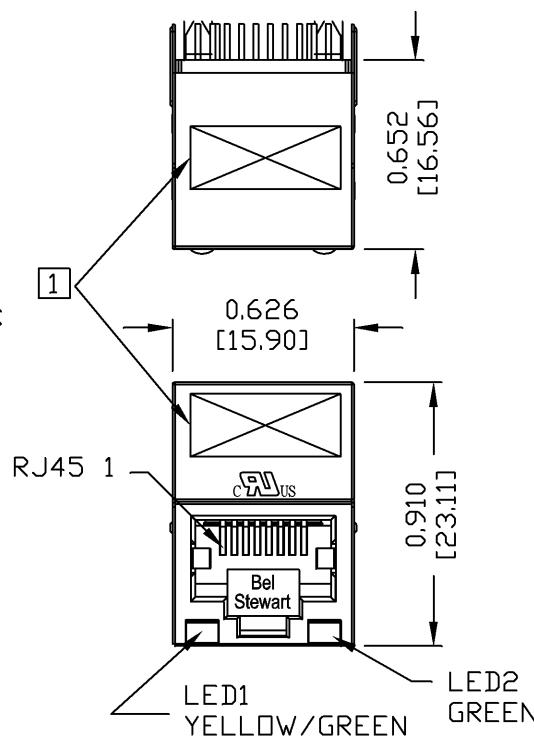
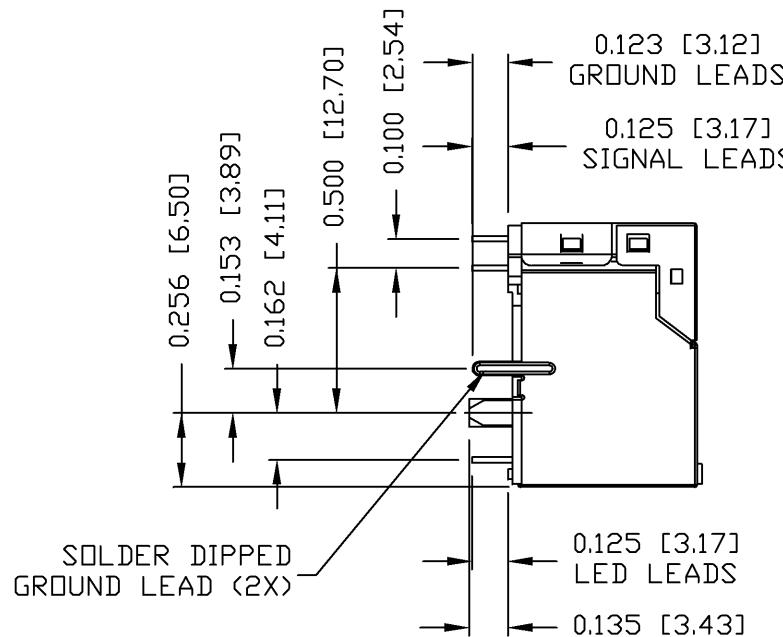
RoHS  
2002/95/EC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		V890-1RX1-46	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB
CHOW WAN CHUNG	06-04-08			.X		
DENG PING	06-04-08	(8 core, Vertical)	FILE NAME	.XX		SCALE : N/A
			V890-1RX1-46_PB.DWG	.XXX		SIZE : A4
						PAGE : 2

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### MECHANICAL SPECIFICATION

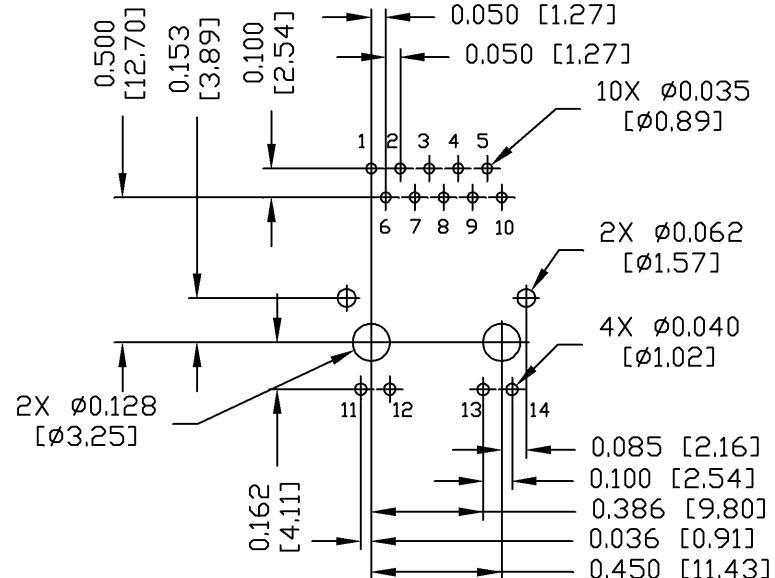


PRELIMINARY



### RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



### 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)

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

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

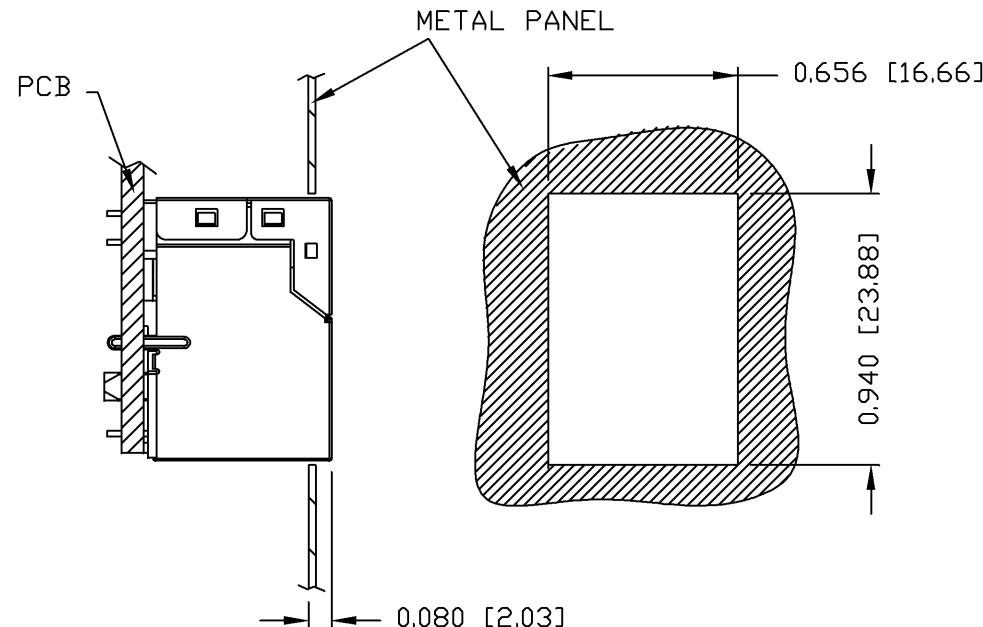
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

 UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME		UNIT : INCH [mm]	REV. : PB
ZX HUANG	06-04-08	gigabit MagJack® (8 cores, Vertical)	V890-1RX1-46	.X		
CHEN TING	06-04-08		V890-1RX1-46_PB.DWG	.XX		
				.XXX	±0.010	
						
						
						PAGE : 3



SUGGESTED PANEL OPENING



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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB	
ZX HUANG	06-04-08	gigabit MagJack® (8 cores, Vertical)	V890-1RX1-46	.X			
CHEN TING	06-04-08		V890-1RX1-46_PB.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4