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

RoHS  
2002/95/EC



# 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 μH MIN.
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## INS. LOSS

1MHz TO 100MHz	-1.1 dB MAX
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## RET. LOSS (MIN)

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

## CM TO CM REJ

1MHz - 100MHz	-20 dB MIN
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## CROSSTALK (TX - RX)

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

## HIPOT (Isolation Voltage): 1500 Vrms

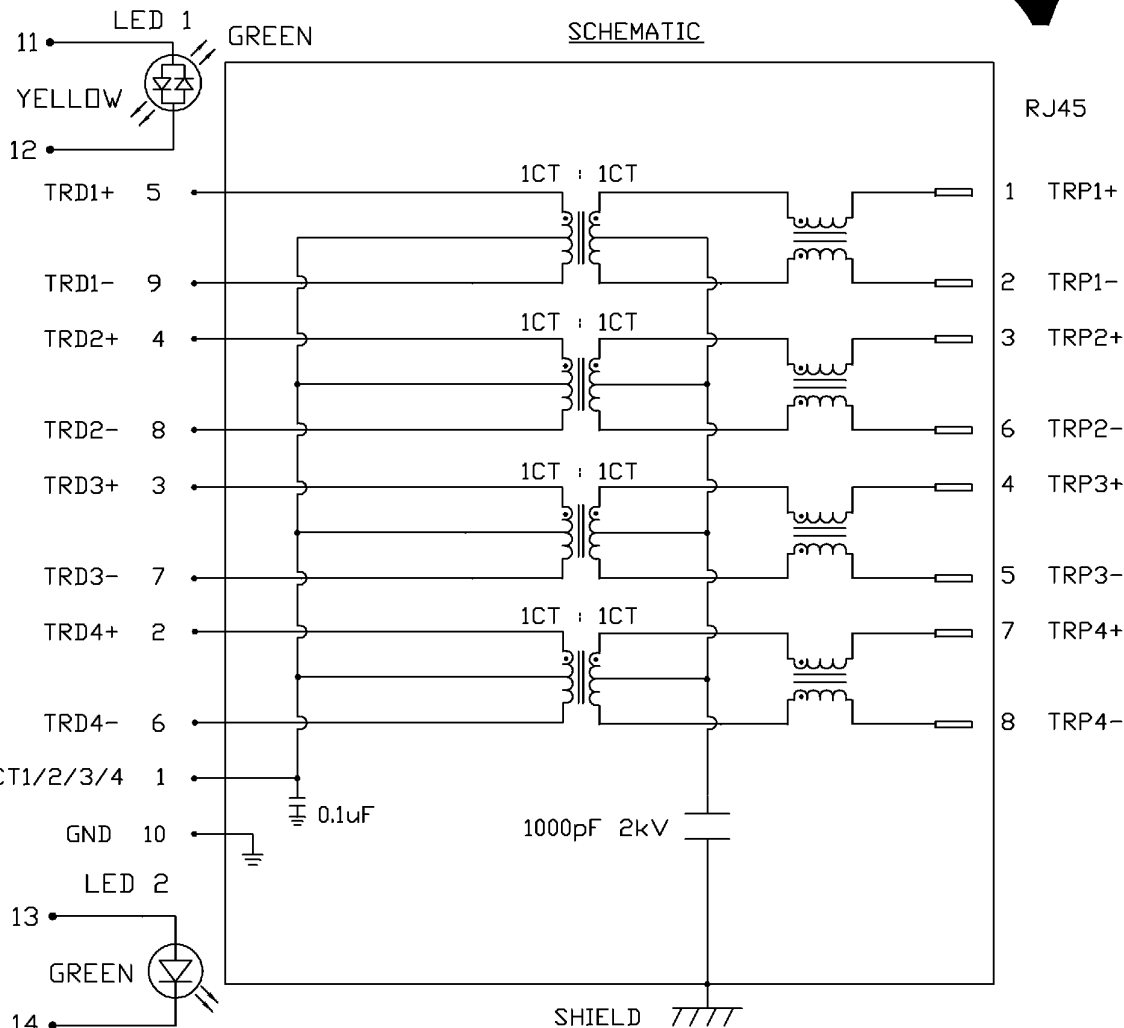
100% OF PRODUCTION TESTED TO COMPLY  
WITH IEEE 802.3 ISOLATION REQUIREMENTS

## LED 1

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V 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.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE		
CHOW WANCHUNG	06-04-08	gigabit MagJack® (8 cores, Vertical)	V890-1RX1-A1	TOL. IN INCH	UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
DENG PING	06-04-08		V890-1RX1-A1_B.DWG	.XX .XXX		PAGE : 2	

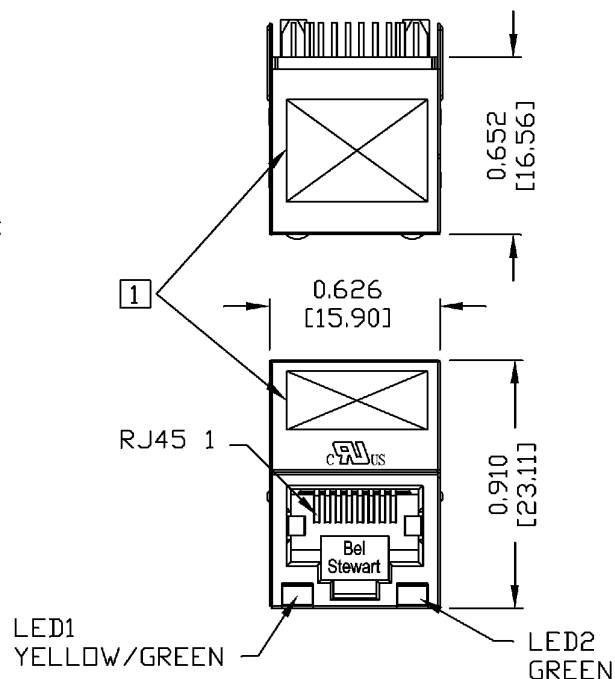
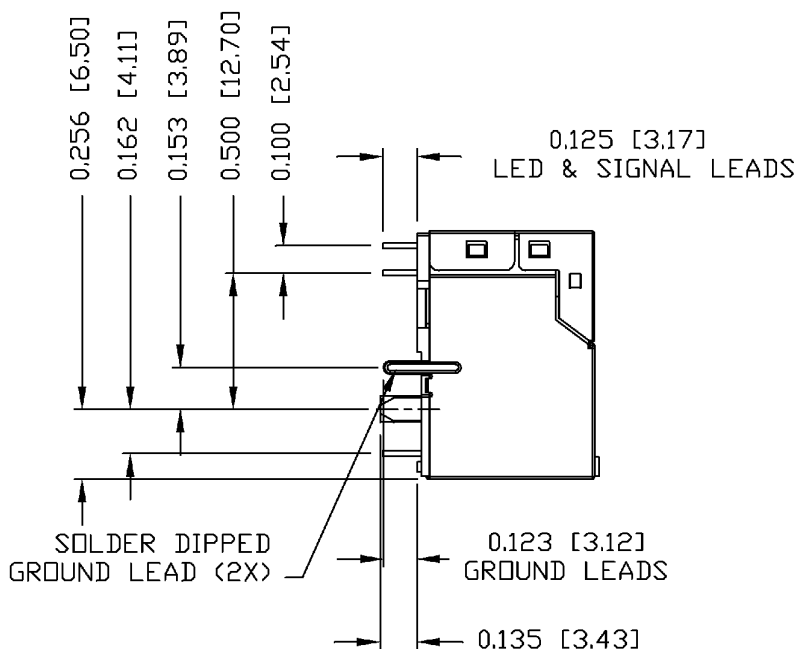
DC002(2)032305

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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.

c US UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE	
ZX HUANG	06-04-08	gigabit MagJack® (8 cores, Vertical)	V890-1RX1-A1	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHEN TING	06-04-08		V890-1RX1-A1_B.DWG	.XX		PAGE : 3
				.XXX		

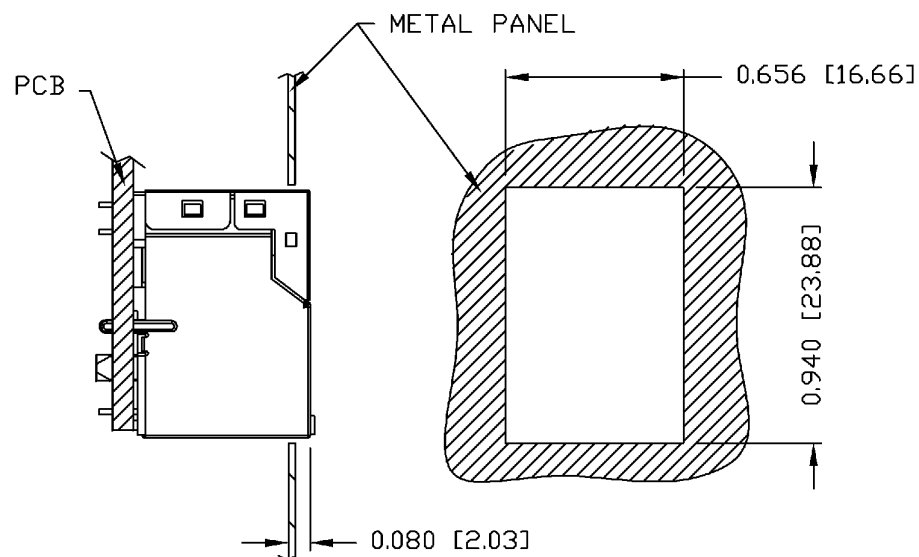
**bel**  
COMPONENTS FOR A  
CONNECTED  
PLANET

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### 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 : 0200-9999-13(TOP)

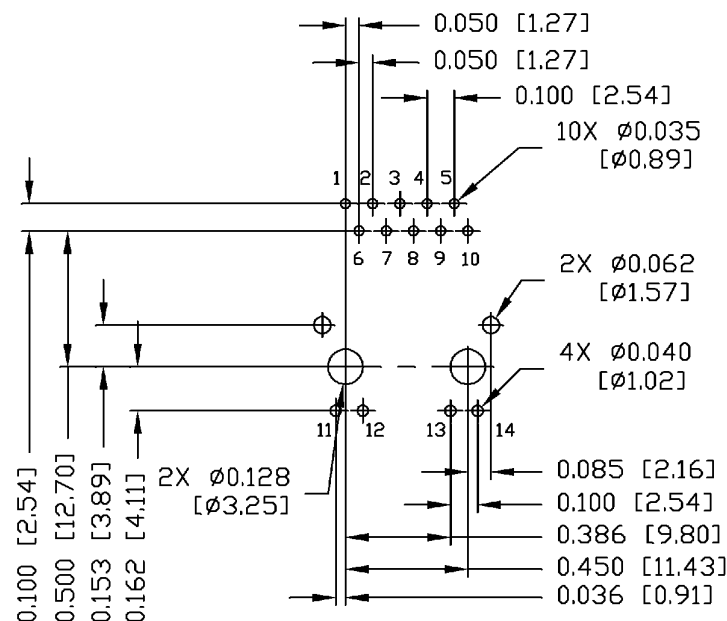
0200-9999-14(BOTTOM)

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)

### RECOMMENDED PCB FOOTPRINT

#### COMPONENT SIDE VIEW



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
ZX HUANG	06-04-08	gigabit MagJack® (8 cores, Vertical)	V890-1RX1-A1	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
CHEN TING	06-04-08		V890-1RX1-A1_B.DWG	.XXX ±0.004		PAGE : 4

