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RoHS
2002/95/EC



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

QCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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INS. LOSS

1MHz TO 100MHz	-1.1 dB MAX
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RET. LOSS (MIN) @ 100 OHMS +/-15%

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

LED 1

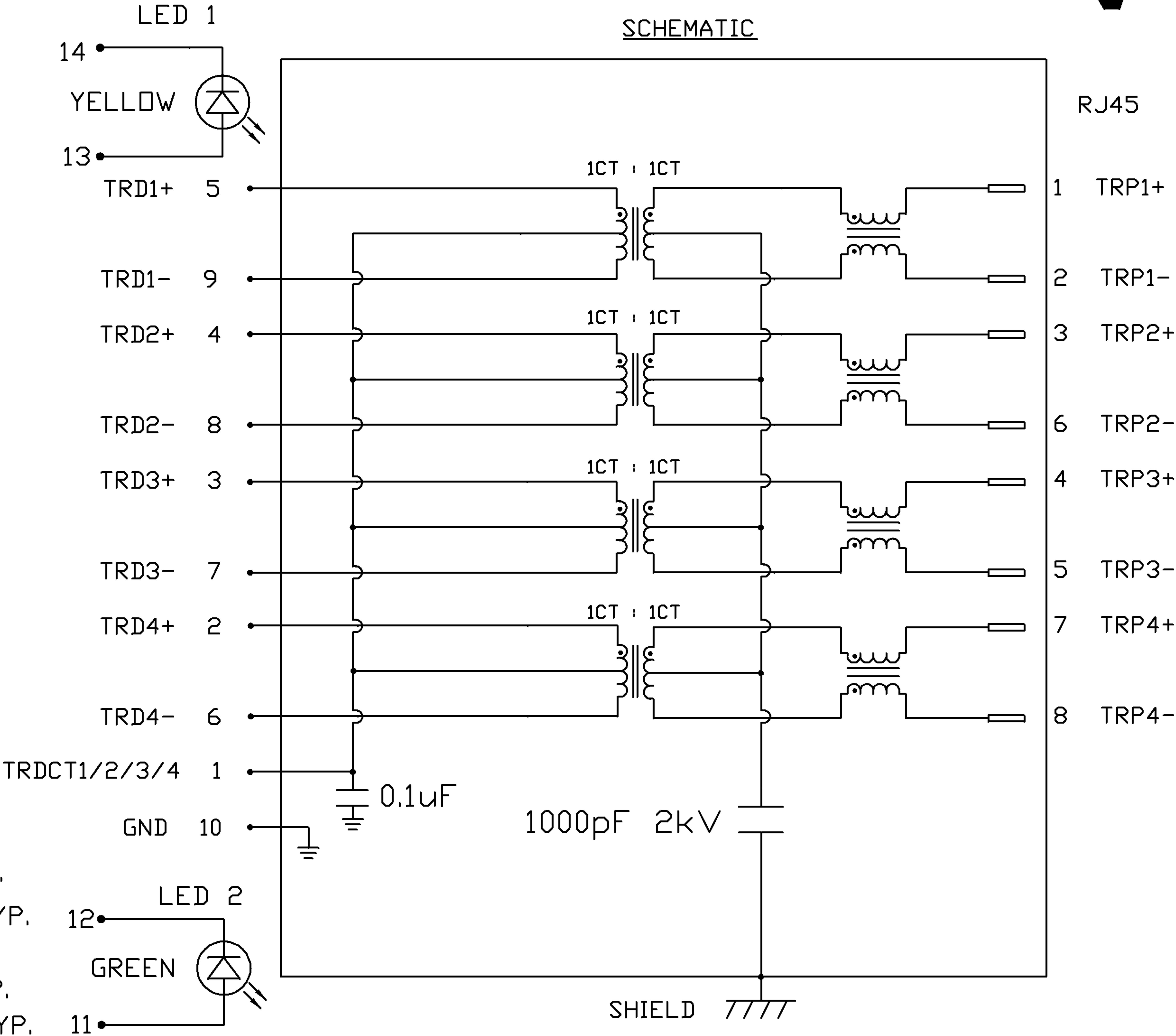
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

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

LED 2

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

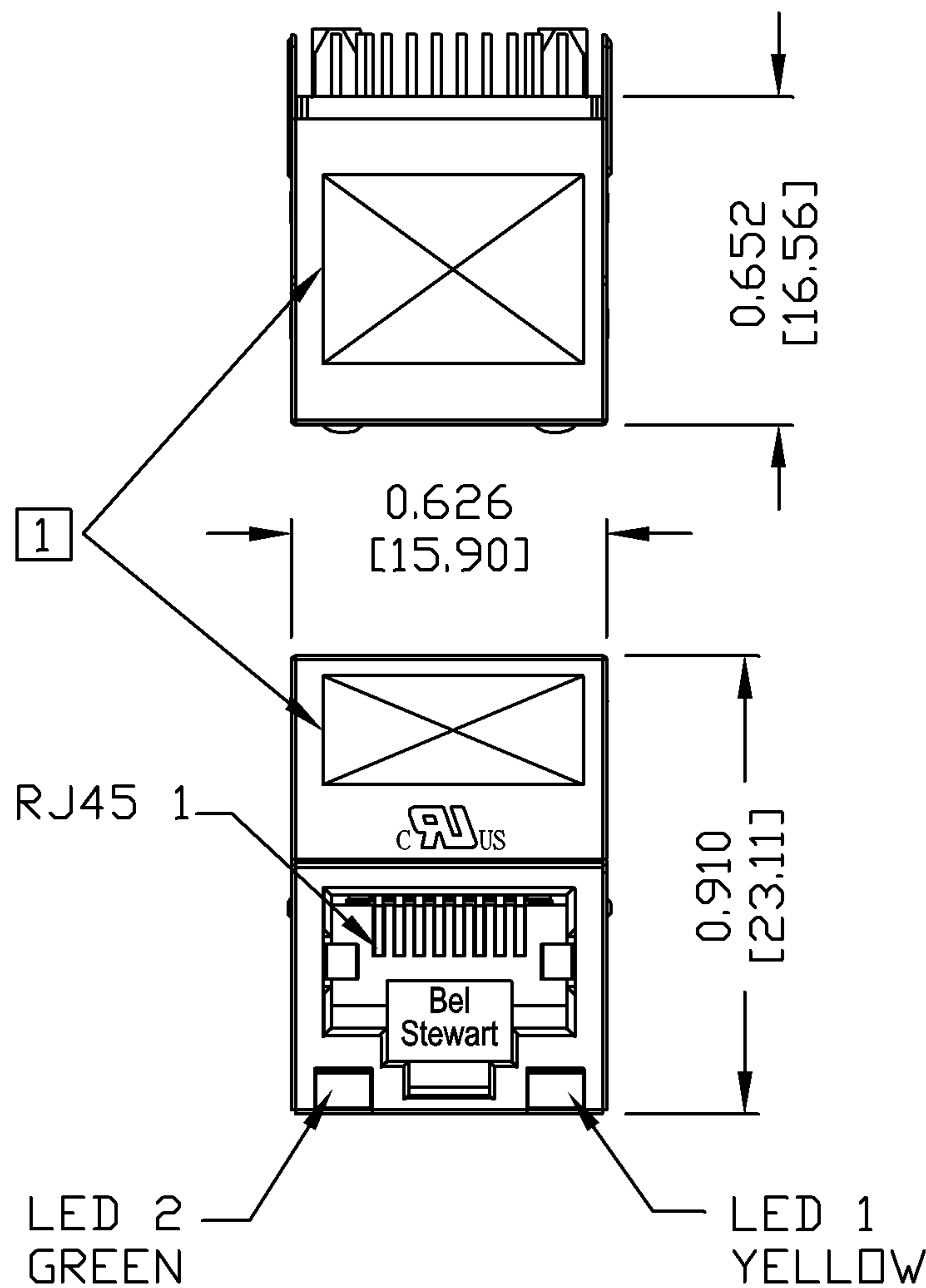
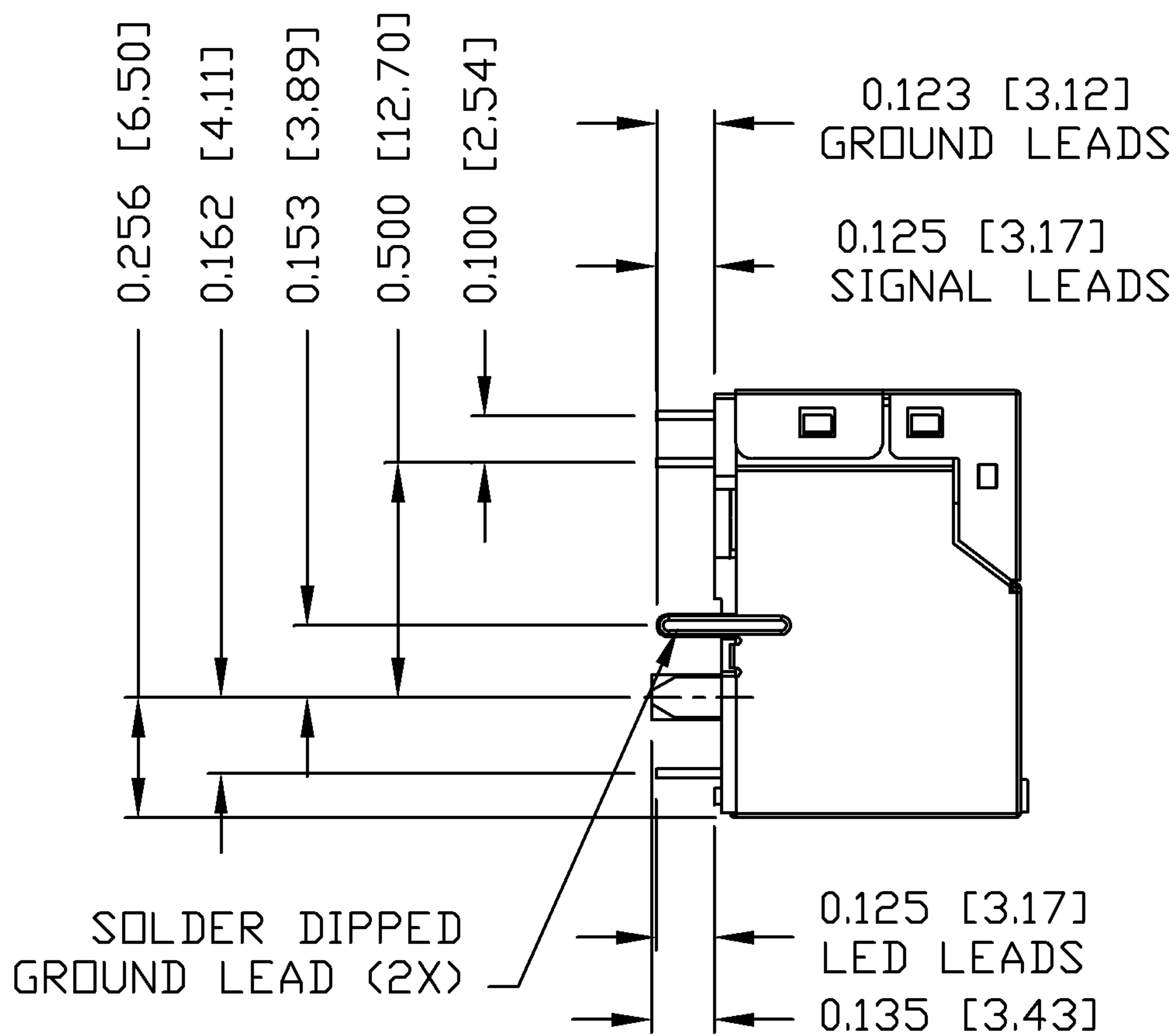
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET
CHOU WANCHUNG	06-03-08	gigabit MagJack® (8 core, Vertical)	V890-1AX1-A1	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
DENG PING	06-03-08		V890-1AX1-A1_C.DWG	.XX	SIZE : A4	
				.XXX	PAGE : 2	

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MECHANICAL SPECIFICATION



NOTES:

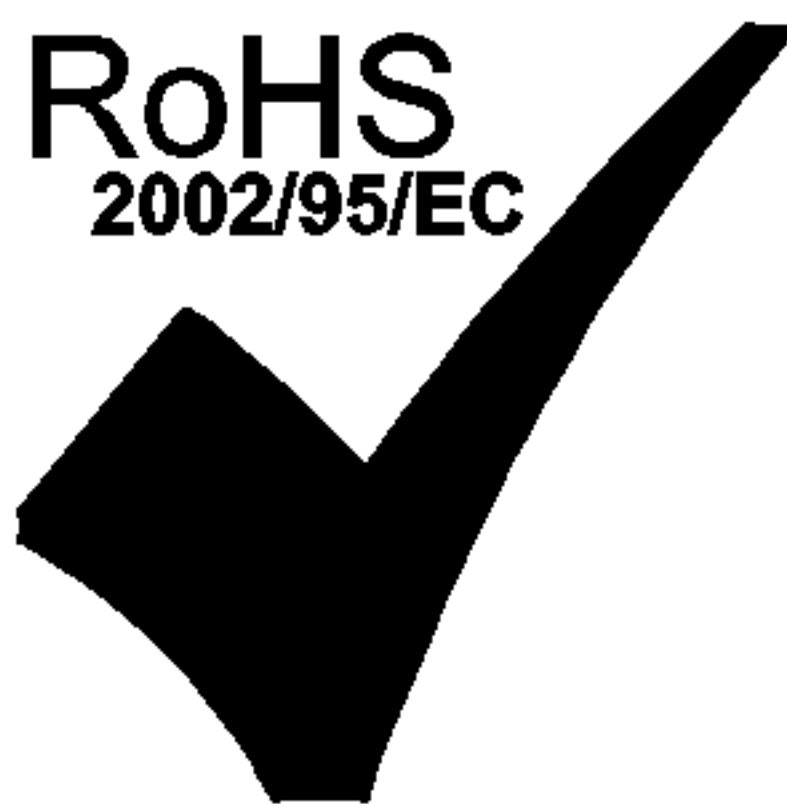
PLASTIC HOUSING: THERMOPLASTIC PBT.
FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
[1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,AND DATE CODE.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

US UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
ZX HUANG	06-03-08	gigabit MagJack® (8 core, Vertical)	V890-1AX1-A1	.X		UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
JOLLY LUO	06-03-08		V890-1AX1-A1_C.DWG	.XXX	±0.010		PAGE : 3

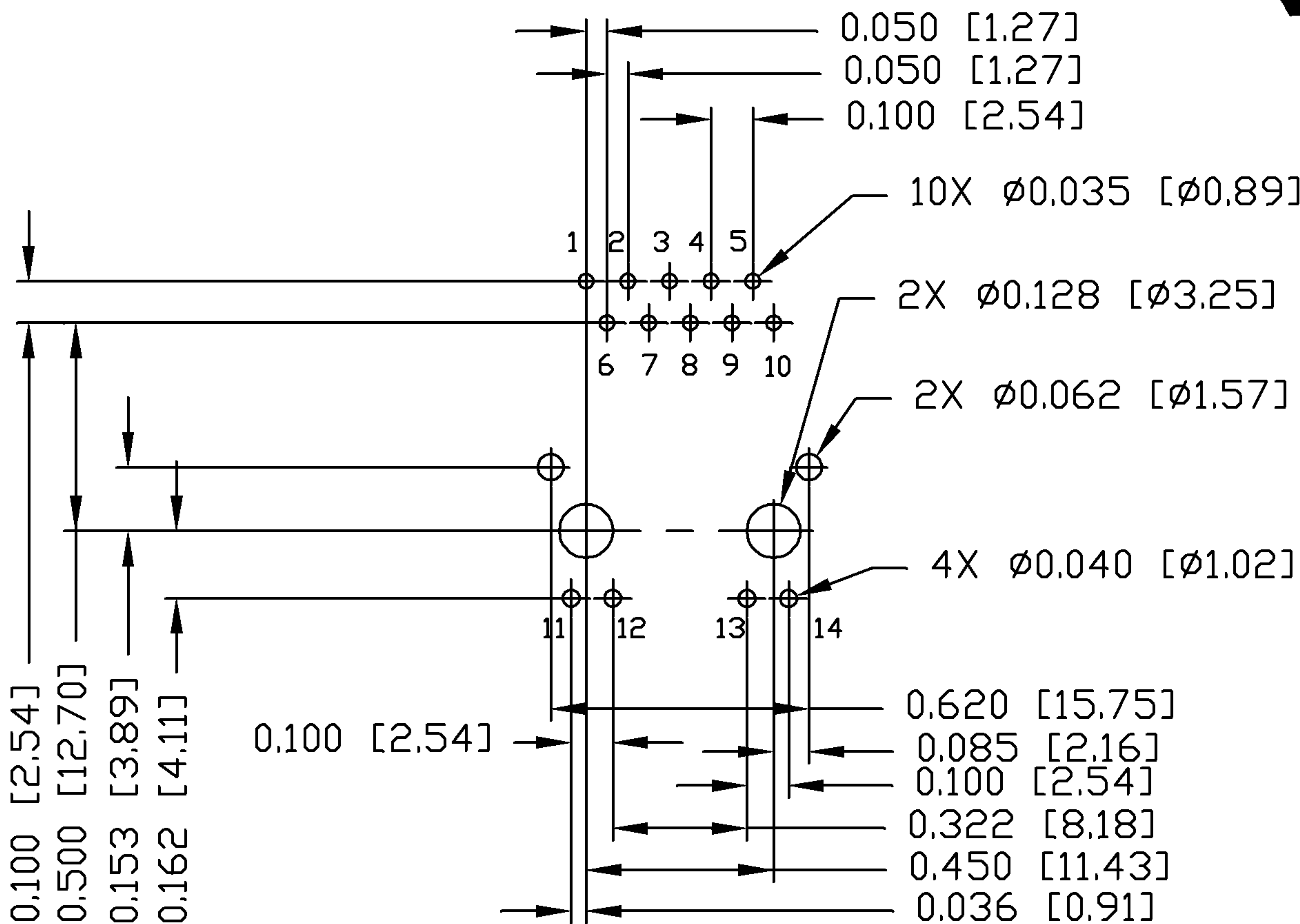
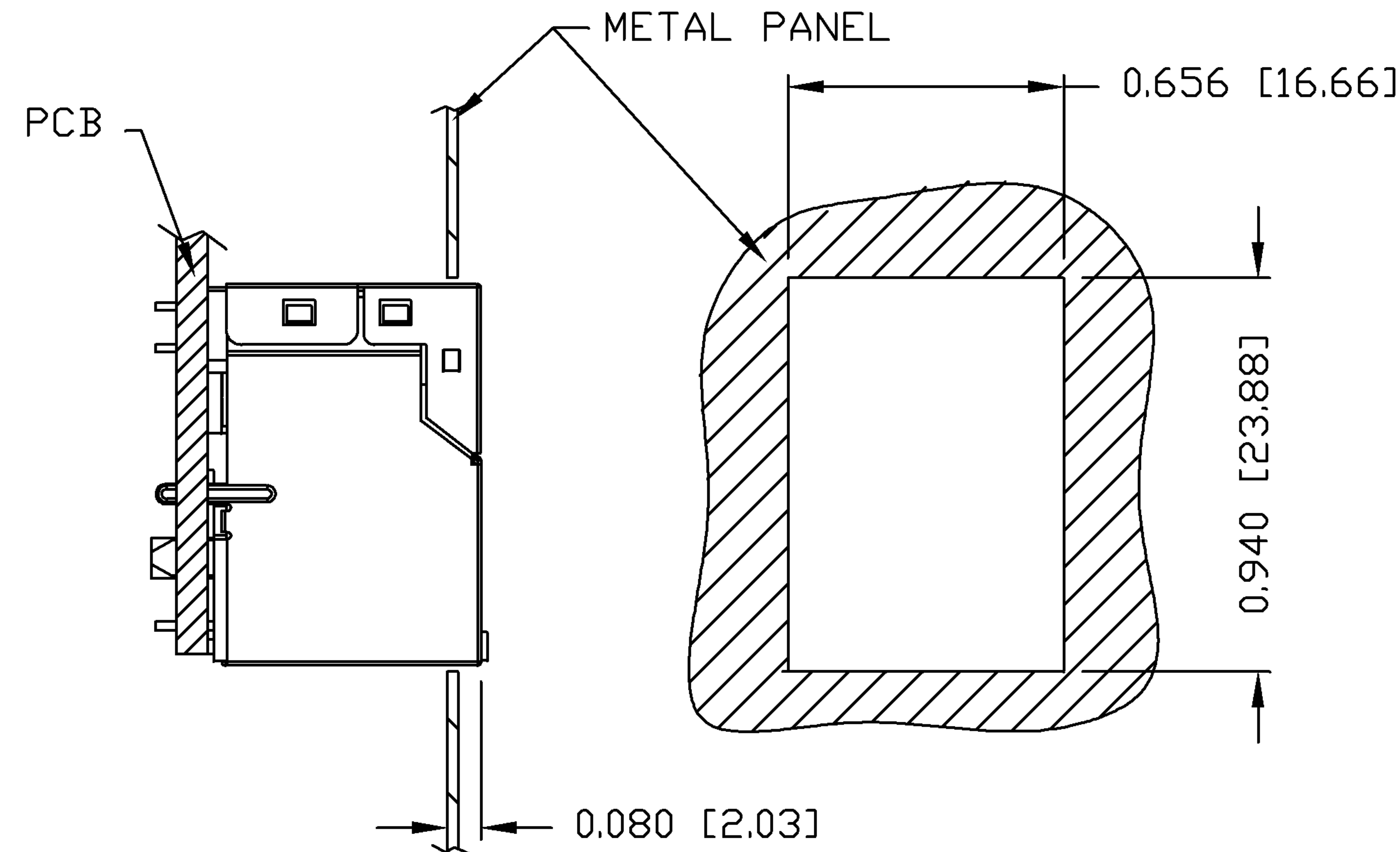


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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

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		
				TOL. IN INCH		UNIT : INCH [mm]	REV. : C	
ZX HUANG	06-03-08	gigabit MagJack® (8 core, Vertical)	V890-1AX1-A1	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 4	
JOLLY LUO	06-03-08		V890-1AX1-A1_C.DWG	.XXX	±0.004			