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LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
–	+	YELLOW	+	–	ORANGE
			–	+	GREEN

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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TX	1CT : 1
RX	1CT : 1

OCL @ 100kHz/100mVRMS

8mA DC BIAS	350μH MIN.

INS. LOSS

1MHz TO 100MHz	-1.0 dB MAX

RET. LOSS (MIN)

1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB

CROSS TALK (TX - RX)

100kHz-100MHz	-35 dB MIN

CM TO CM REJ

100kHz-100MHz	-30 dB MIN

CM TO DM REJ

100kHz-100MHz	-35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

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

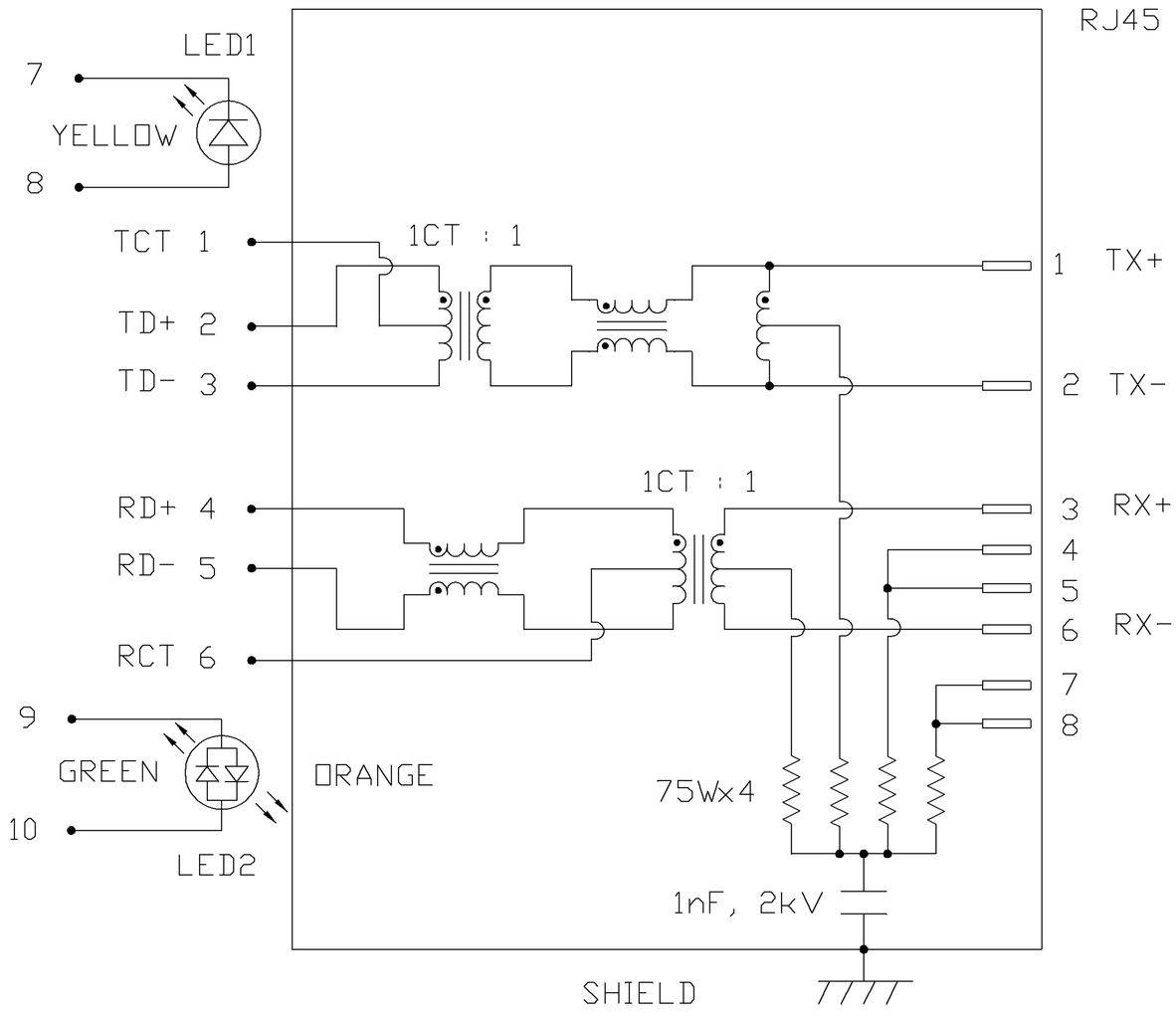
LED 1

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

SCHEMATIC



USB ELECTRICAL:
INSULATION RESISTANCE: 1000 MEGA W (MIN)
CONTACT RESISTANCE: 25 MILLI W (MAX)
DIELECTRIC WITHSTANDING: 750 VAC

ORIGINATED BY: CHOW WANCHUNG	DATE: 12-26-07	TITLE: MagJack® Combo (CM Termination)	PART NO. / DRAWING NO.: 08C2-1X1T-03	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: DENG PING	DATE: 12-26-07		FILE NAME: 08C2-1X1T-03_B.DWG		UNIT : INCH [mm] / REV. : B; SCALE : N/A / SIZE : A4; PAGE : 2

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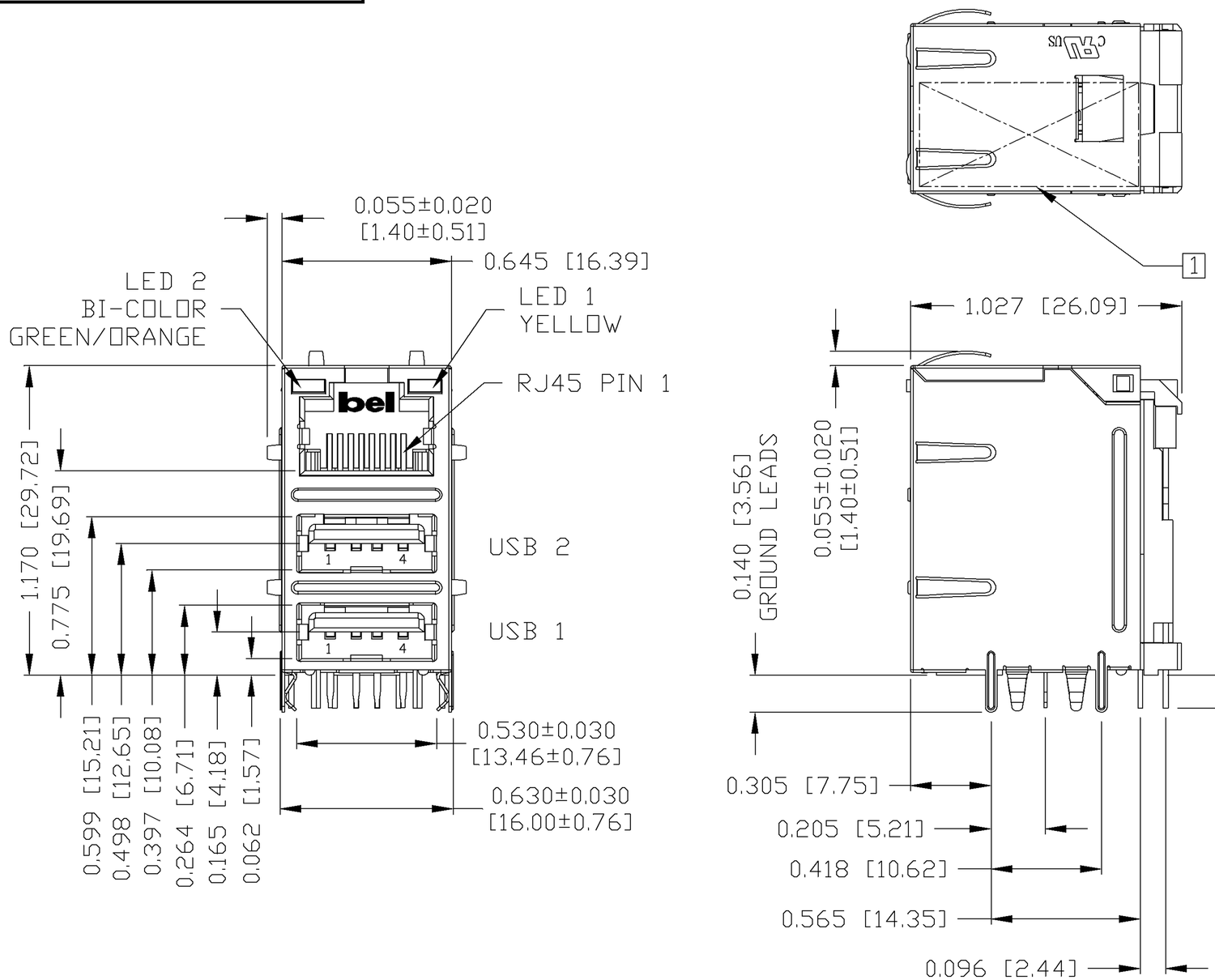
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Please read our datasheet & drawing disclaimer here.

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MECHANICAL SPECIFICATION



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DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
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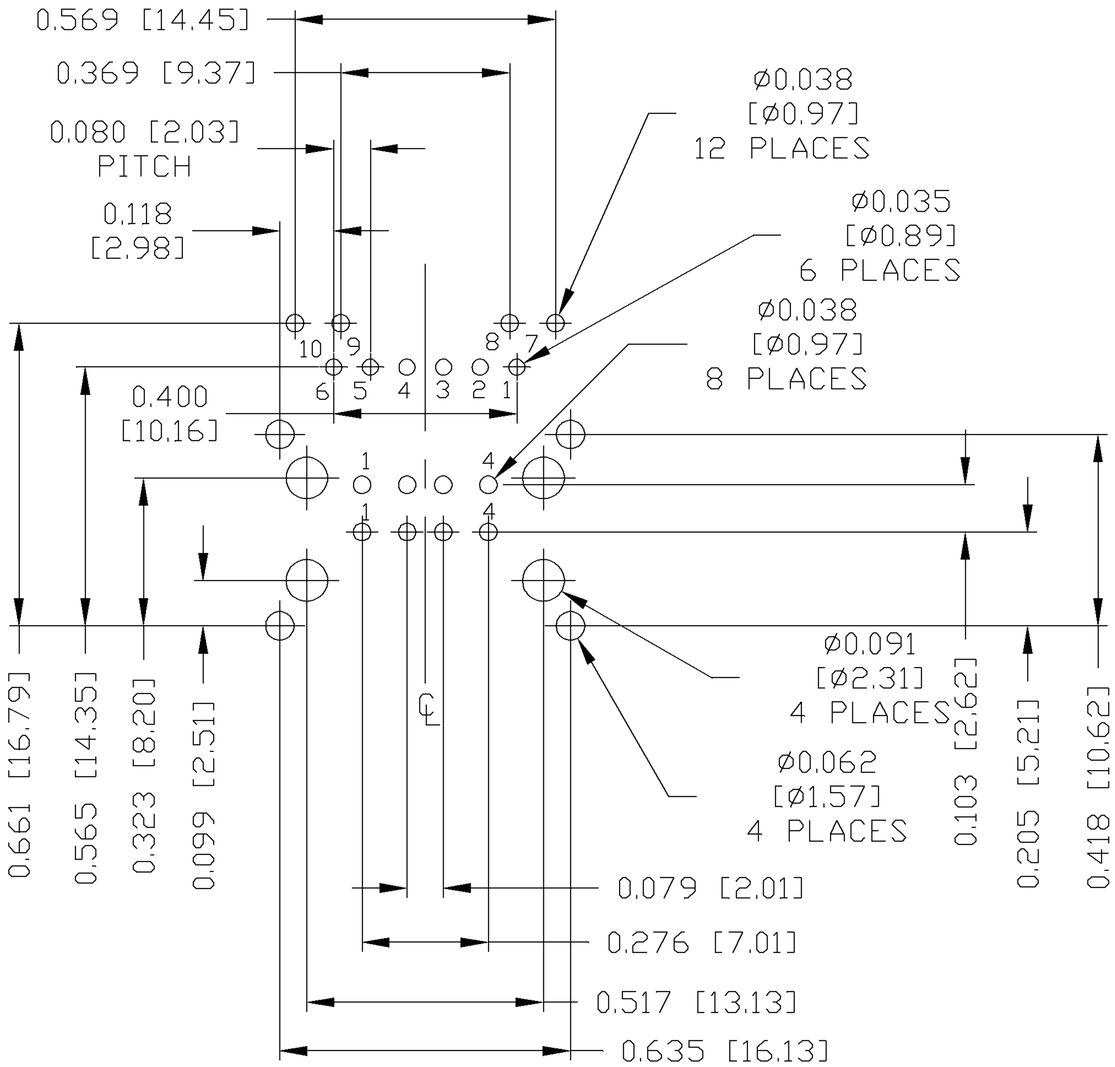
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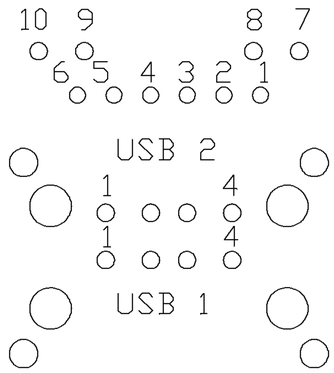
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Recommended PCB footprint
Component Side





RJ45 MECHANICAL:

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

USB MECHANICAL:

MATING FORCE:	35 NEWTONS MAXIMUM
UNMATING FORCE:	10 NEWTONS MINIMUN
CONTACT:	PHOSPHOR BRONZE 30 MICRO-INCH GOLD PLATING ON CONTACT AREA AND TIN ON SOLDER TAIL.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

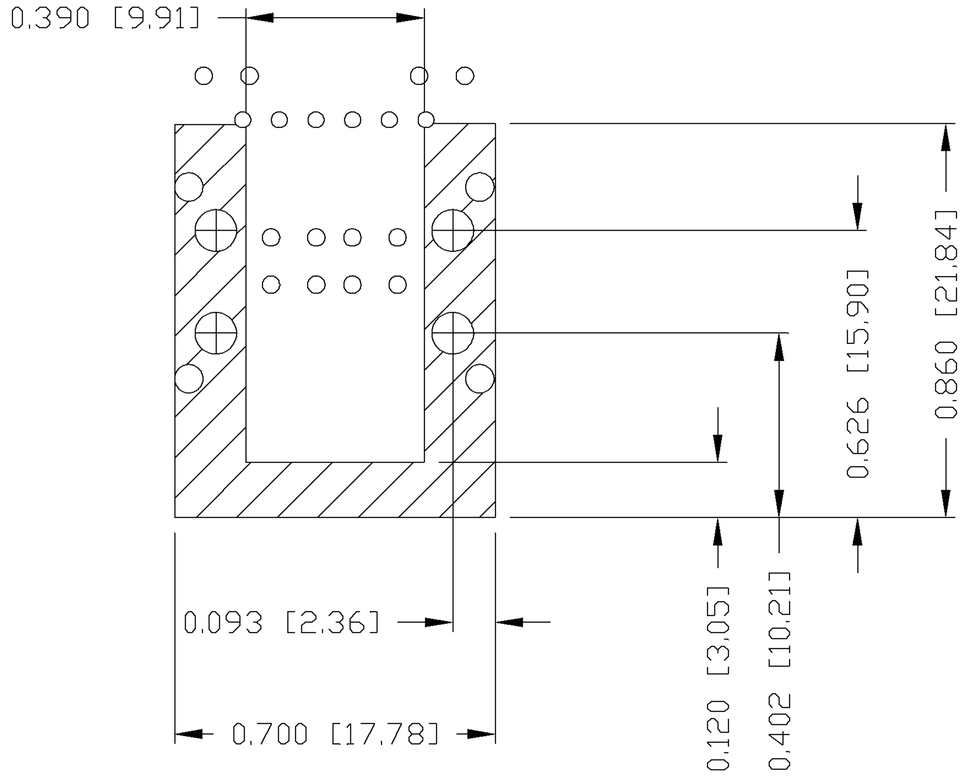
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				.XXX ±0.004	SCALE : N/A / SIZE : A4
					PAGE : 4

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NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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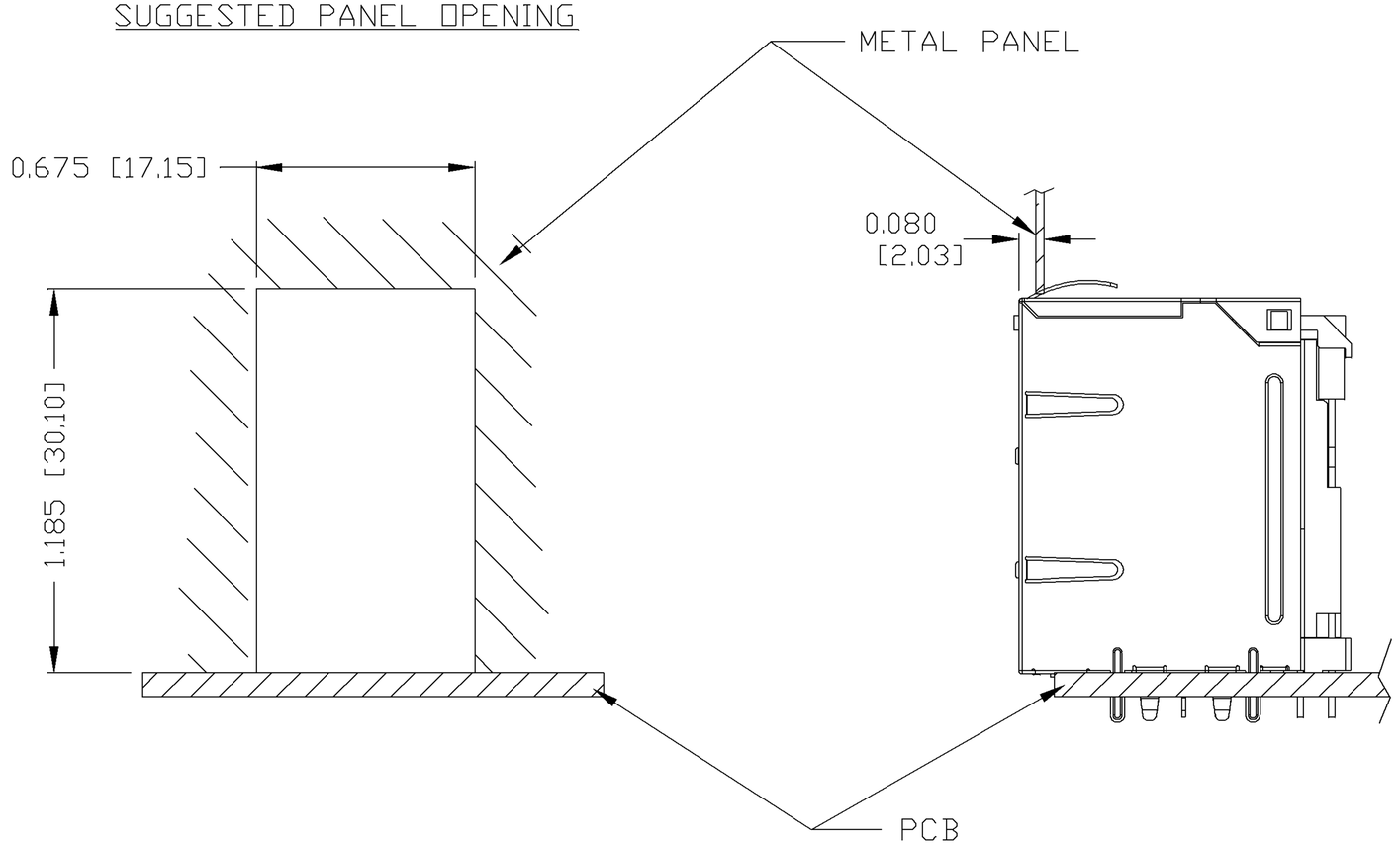
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SUGGESTED PANEL OPENING



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-A3
PACKING QUANTITY : 42 PCS FINISHED GOODS PER TRAY
10 TRAYS (420 PCS FINISHED GOODS) PER CARTON BOX
NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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