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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1

RX 1CT : 1

OCL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C) 350µH MIN.

INS. LOSS

1MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN) @ 100ΩHMS ±15%

1MHz-30MHz -18 dB

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

60MHz-80MHz -12 dB

CROSS TALK (TX - RX) -35 dB MIN

100kHz-100MHz

CM TO CM REJ -30 dB MIN

100kHz-100MHz

CM TO DM REJ -40 dB MIN

100kHz-100MHz

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCT TESTED IN PRODUCTION

TO COMPLY WITH IEEE 802.3 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 570nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.

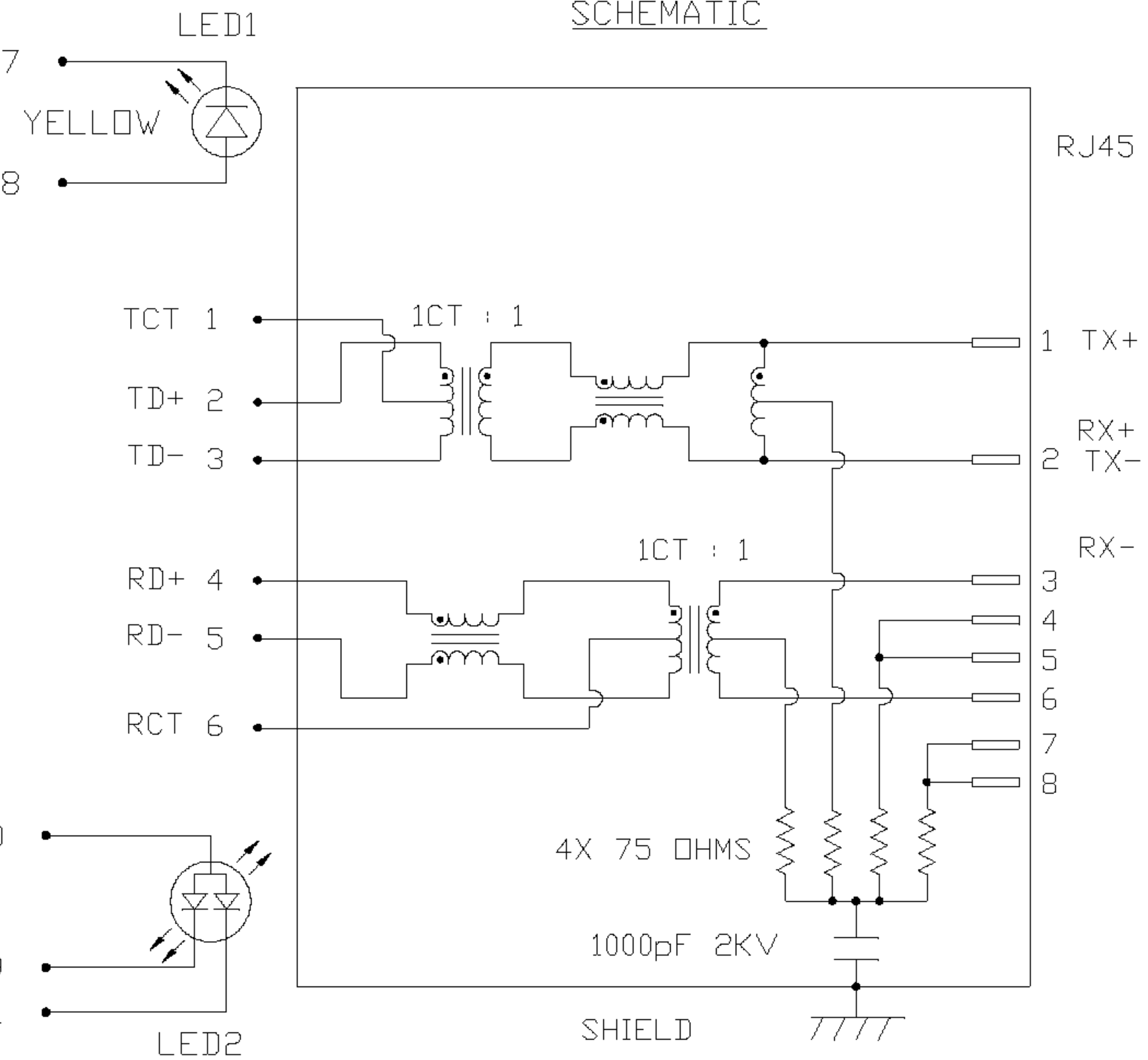
USB ELECTRICAL:

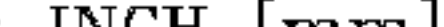
INSULATION RESISTANCE: 1000 MEGAΩ(MIN)

CONTACT RESISTANCE: 25 MILLIΩ(MAX)

DIELECTRIC WITHSTANDING: 750 VAC

LED1 POLARITY			LED2 POLARITY			
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	PIN 11	COLOR
-	+	YELLOW	-	+	/	GREEN
/	/	/	/	+	-	ORANGE
/	/	/	-	+	-	MIXED YELLOW

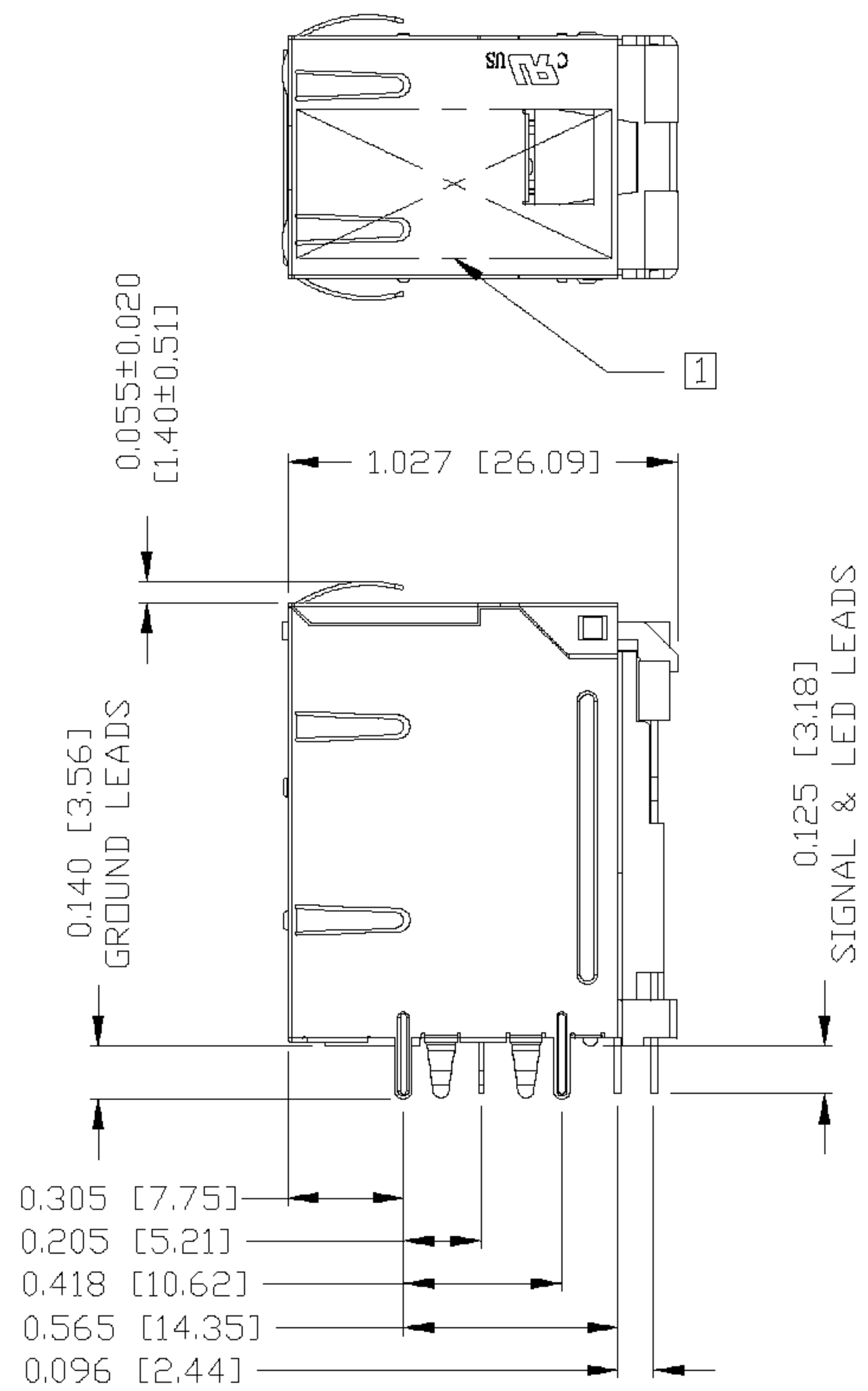
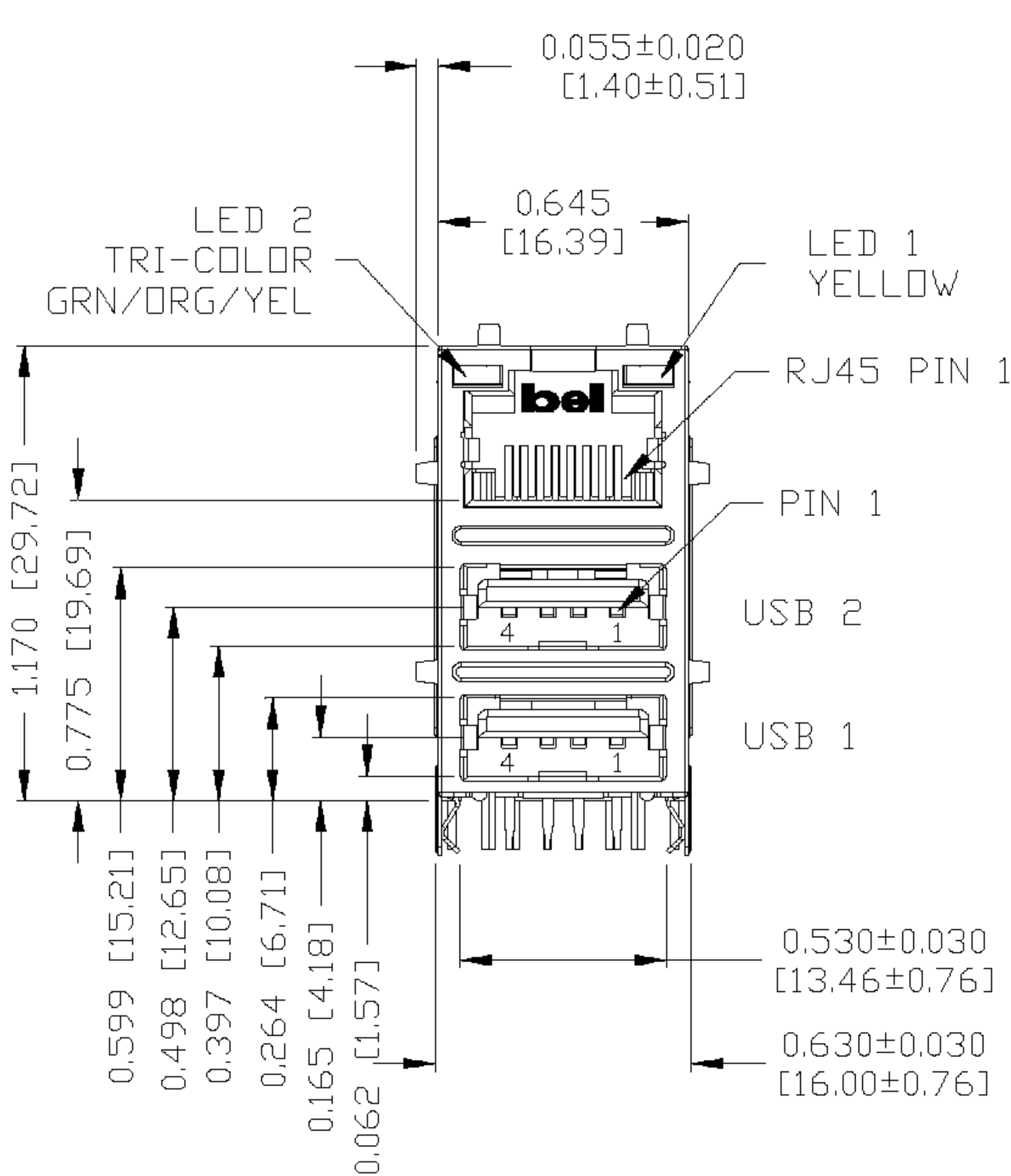


ORIGINATED BY	DATE	TITLE MagJack® Combo	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 
CHUNG	04-25-07		08C2-1J1T-R5	TOL. IN INCH		UNIT : INCH [mm]	REV. : D	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	04-25-07		08C2-1J1T-R5_D.DWG	.XX			PAGE : 2	
				.XXX				



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MECHANICAL SPECIFICATION

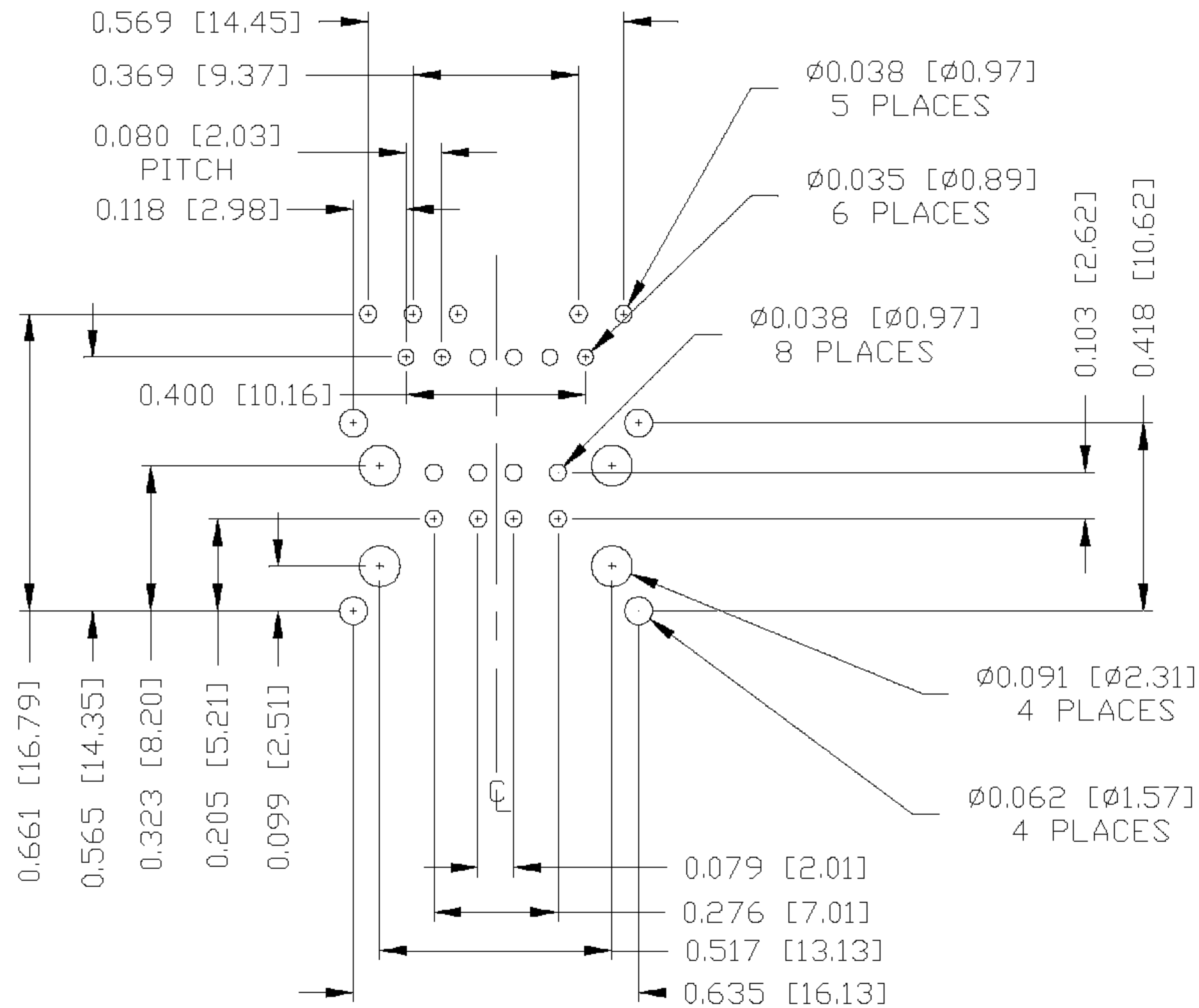


ORIGINATED BY	DATE	TITLE MagJack® Combo	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
QIN/BILL	04-25-07		08C2-1J1T-R5	TOL. IN INCH		UNIT : INCH [mm] REV. : D		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
TING	04-25-07			08C2-1J1T-R5_D.DWG		.XX	PAGE : 3	
			.XXX	±0.010				

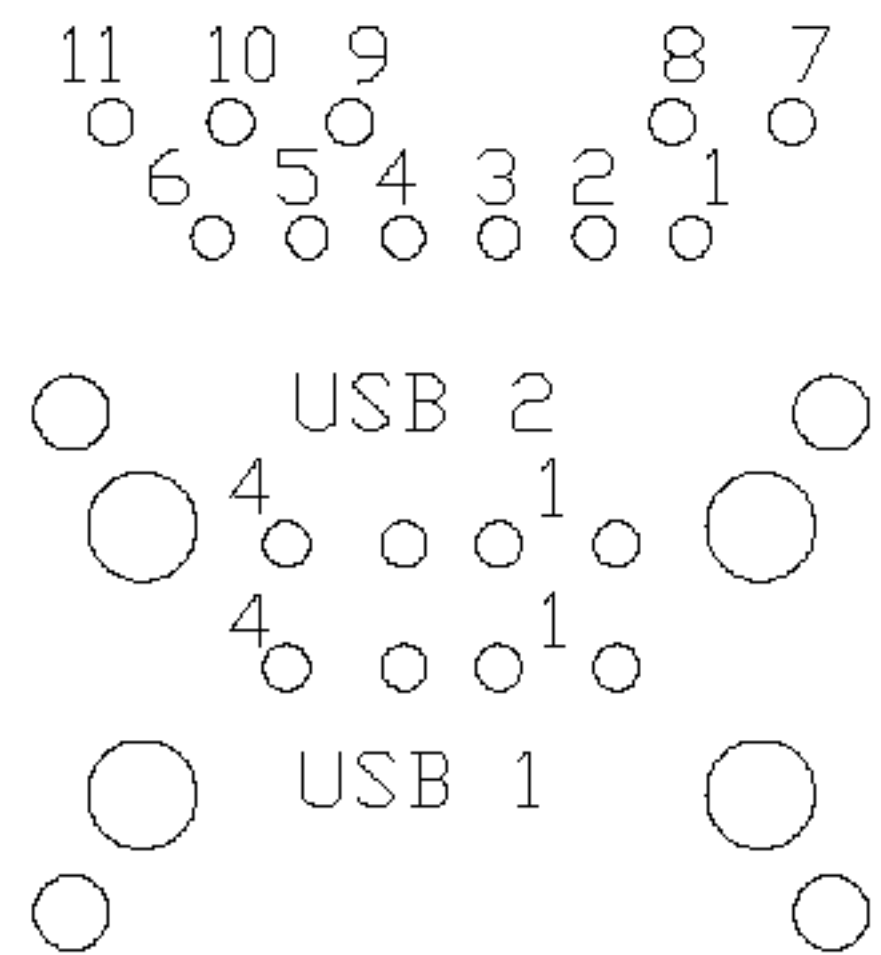
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Recommended PCB footprint
Component Side



PIN ASSIGNMENT



RJ45 MECHANICAL:
PLASTIC HOUSING: THERMOPLASTIC PBT OR EQUIVALENT.
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 MINIMUM
CONTACT PLATING: GOLD PLATING ON CONTACT AREA AND
TIN ON SOLDER TAIL.

1. MARK ART WITH MFG LOGO, MFG NAME, ART NUMBER, AND DATE CODE.

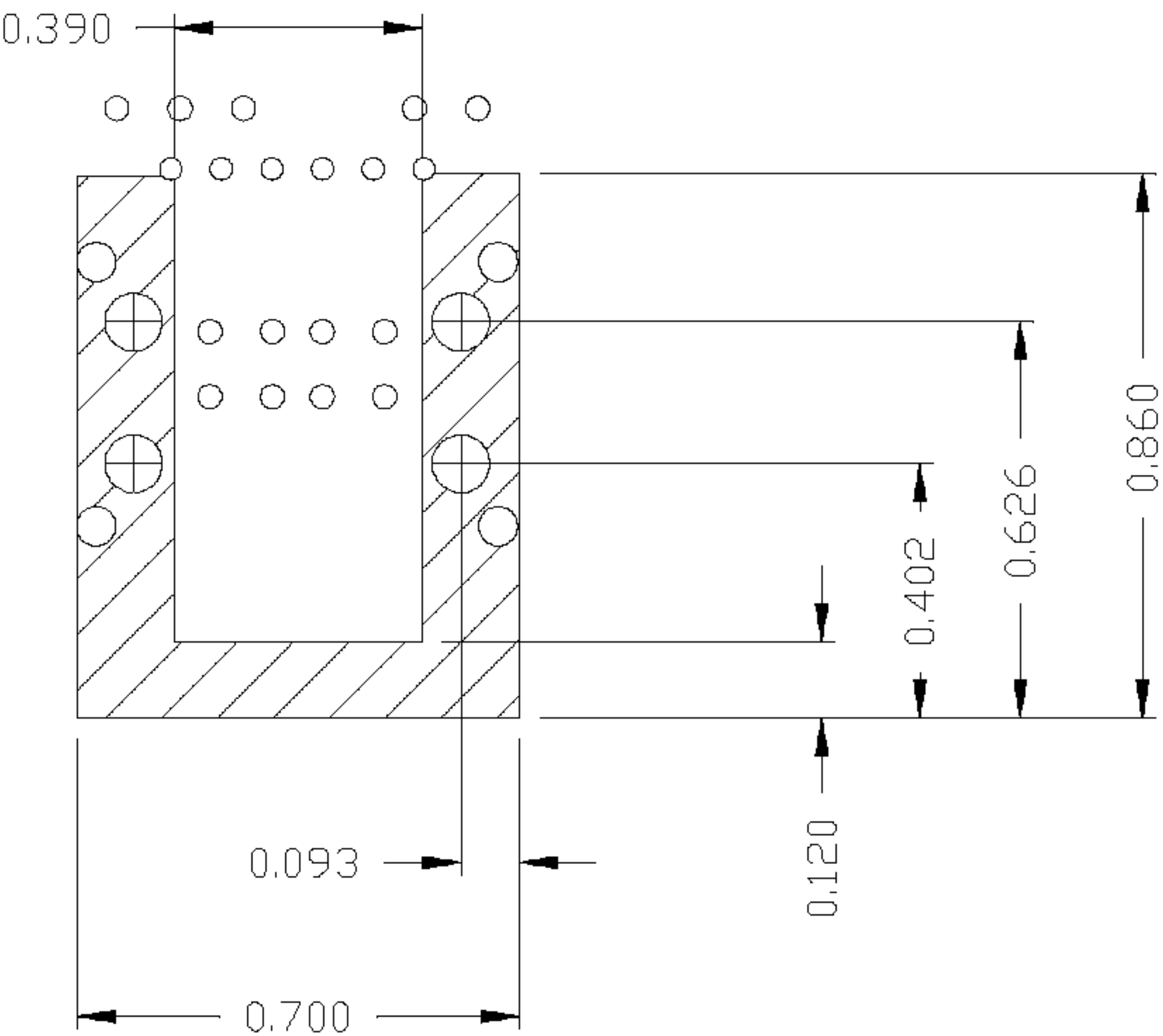
UL US UL RECOGNIZED - FILE #E196366 AND E169987.

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

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY QIN/BILL	DATE 04-25-07	TITLE MagJack® Combo	PART NO. / DRAWING NO. 08C2-1J1T-R5	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
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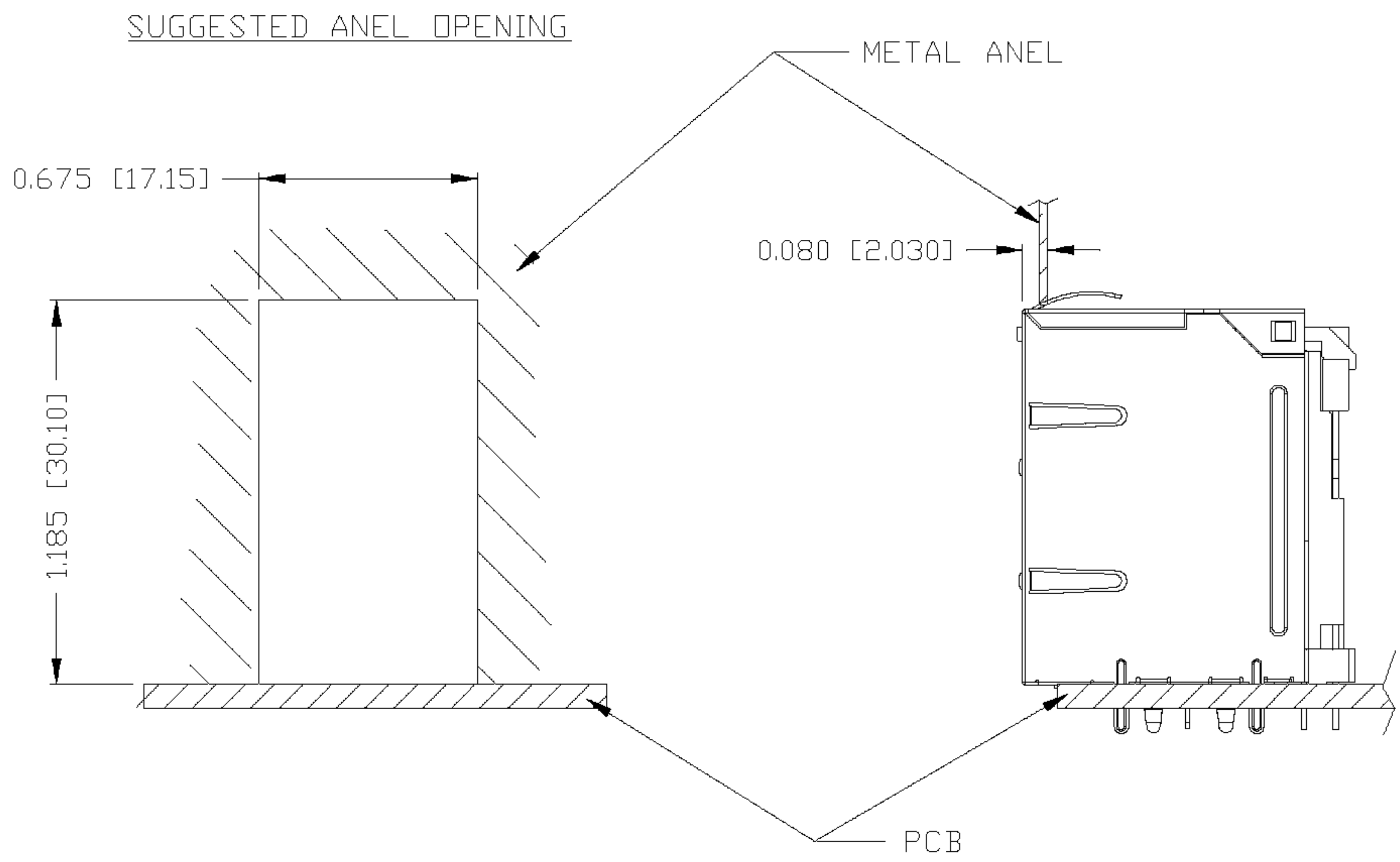
NOTES

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

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			FILE NAME 08C2-1J1T-R5_D.DWG		.X		UNIT : INCH [mm]	REV. : D
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NOTE:

THE DISTANCE OF ANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF ART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED ANEL 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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					.XXX	±0.004			