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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

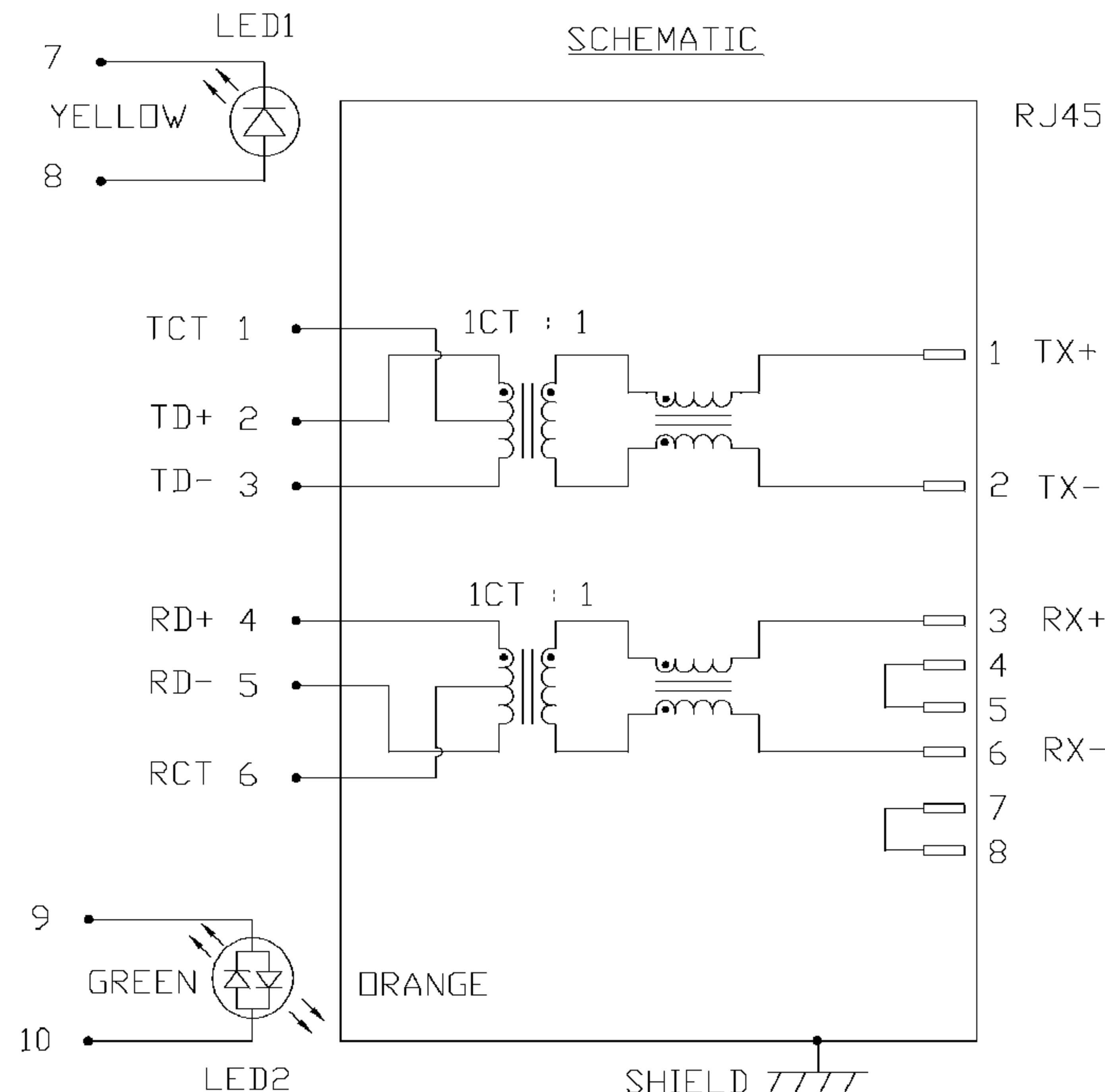
TX	1CT : 1
RX	1CT : 1
OC L @ 100kHz/100mVRMS	350μH MIN.
8mA DC BIAS	-1.0 dB MAX
INS. LOSS	
1MHz TO 100MHz	
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
100kHz-100MHz	-35 dB MIN
CM TO CM REJ	
100kHz-100MHz	-30 dB MIN
CM TO DM REJ	
100kHz-100MHz	-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.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.
LED 2			
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

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	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

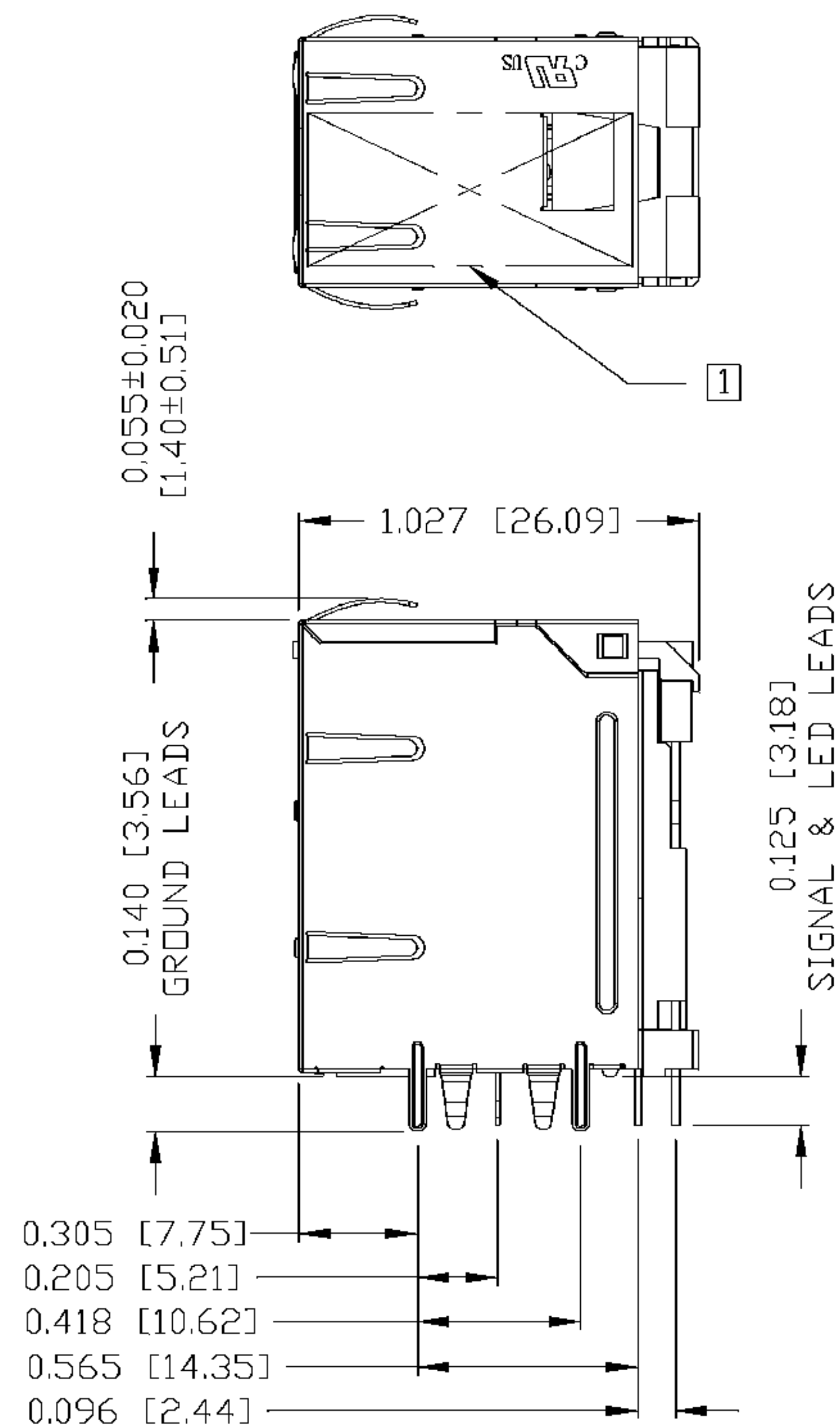
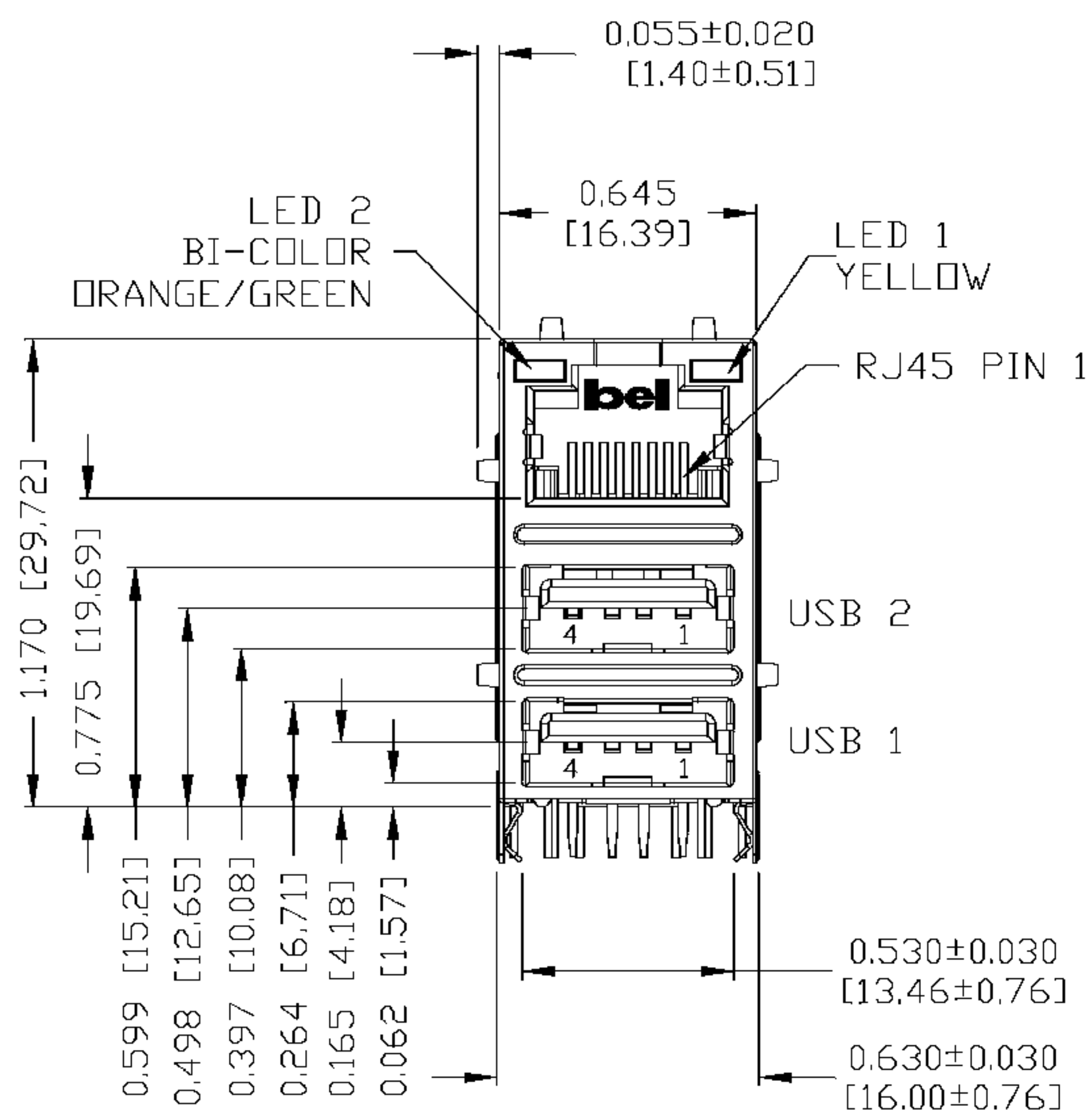


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
WC CHOW	07-24-07	MagJack® Combo	08C2-1X1T-20	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
LEE WEI DE	07-24-07		08C2-1X1T-20_A.DWG	.XX		PAGE : 2
				.XXX		

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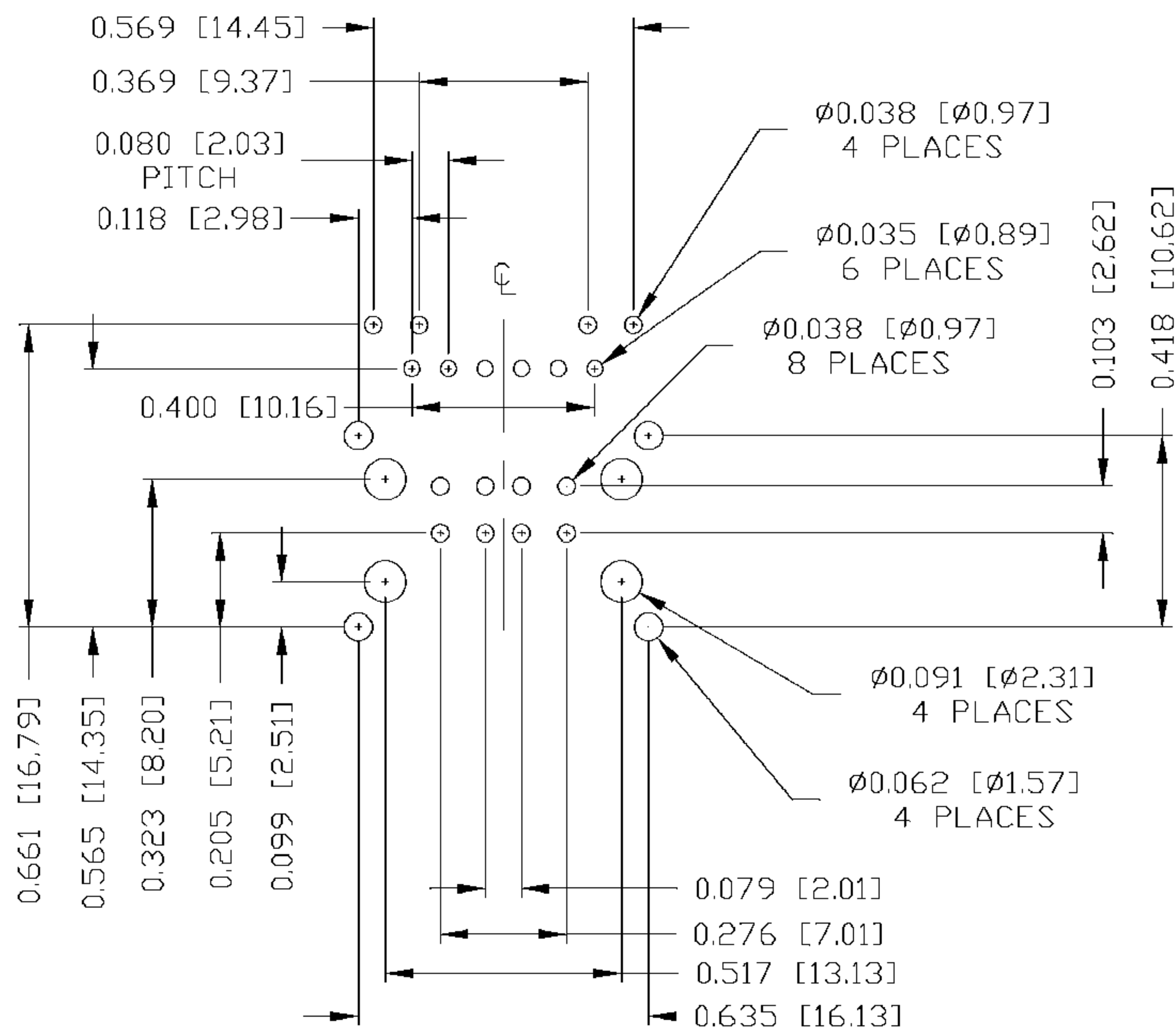
MECHANICAL SPECIFICATION

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2002/95/EC

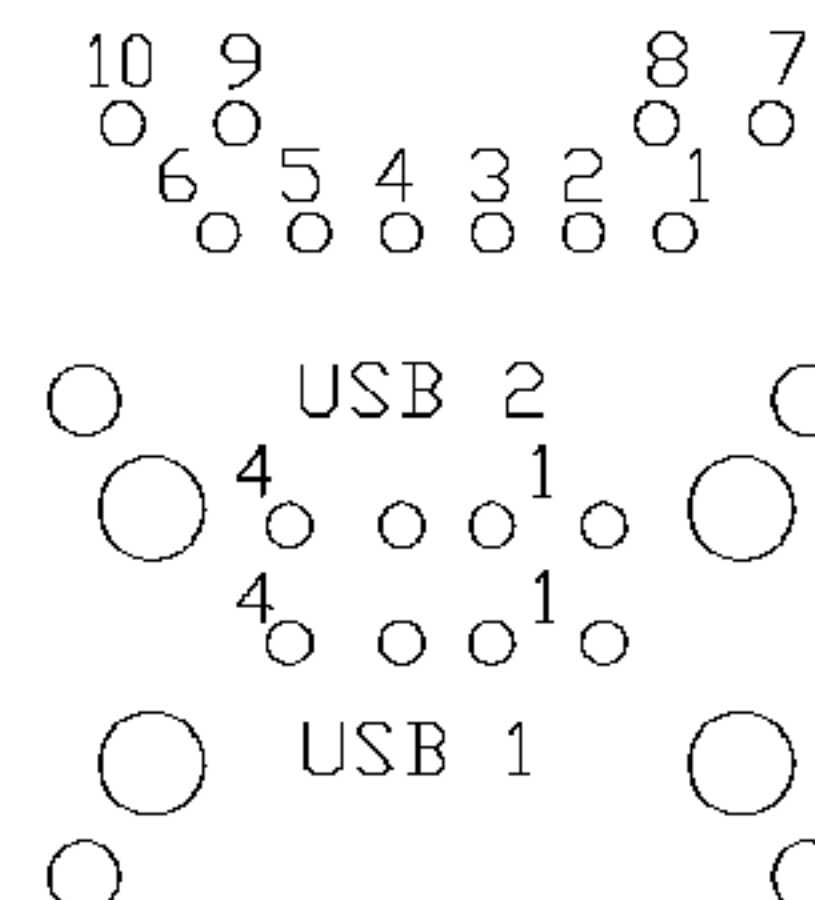


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
LIU QIN	07-24-07	MagJack® Combo	08C2-1X1T-20	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
CHEN TING	07-24-07		08C2-1X1T-20_A.DWG	.XXX	± 0.010		

Recommended PCB footprint
Component Side



PIN ASSIGNMENT



RJ45 MECHANICAL:

PLASTIC HOUSING:

CONTACT PLATING:

PINS:

METAL SHIELD:

THERMOPLASTIC PBT OR EQUIVALENT.

FLAMMABILITY RATING UL 94V-0

30 MICRO-INCH HARD GOLD PLATING

TIN-COATED COPPER WIRE, DIA 0.018 INCH.

NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

USB MECHANICAL:

MATING FORCE:

UNMATING FORCE:

CONTACT PLATING:

35 NEWTONS MAXIMUM

10 NEWTONS MINIMUM

GOLD PLATING ON CONTACT AREA AND

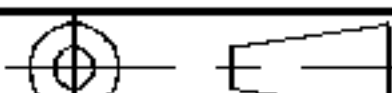
TIN ON SOLDER TAIL.

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

CUL US UL RECOGNIZED - FILE #E196366 AND E169987.

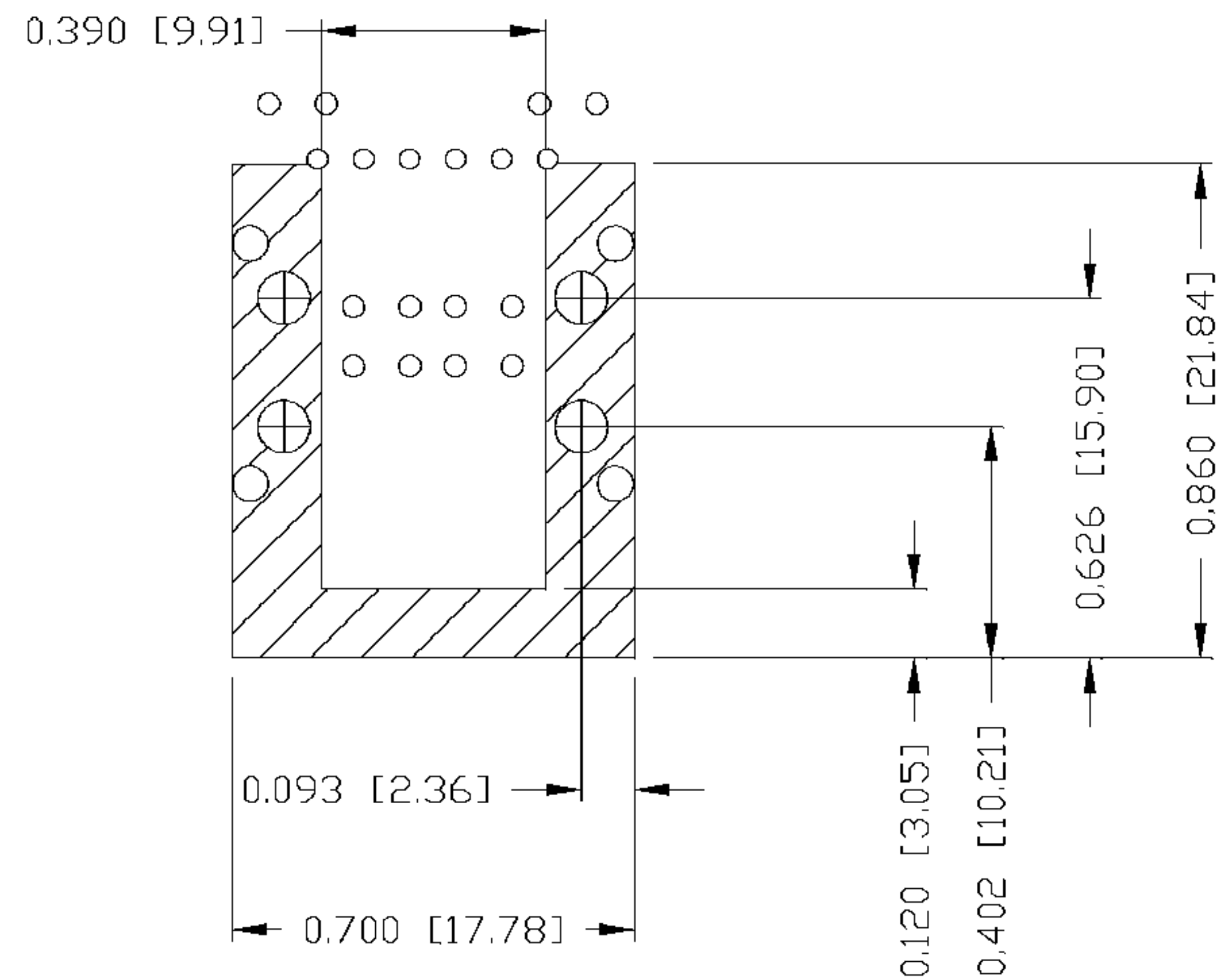
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 bel COMPONENTS FOR A CONNECTED PLANET
LIU QIN	07-24-07	MagJack® Combo	08C2-1X1T-20	.X	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	
CHEN TING	07-24-07		08C2-1X1T-20_A.DWG	.XXX	±0.010	
						REV. : A SIZE : A4 PAGE : 4

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NOTES

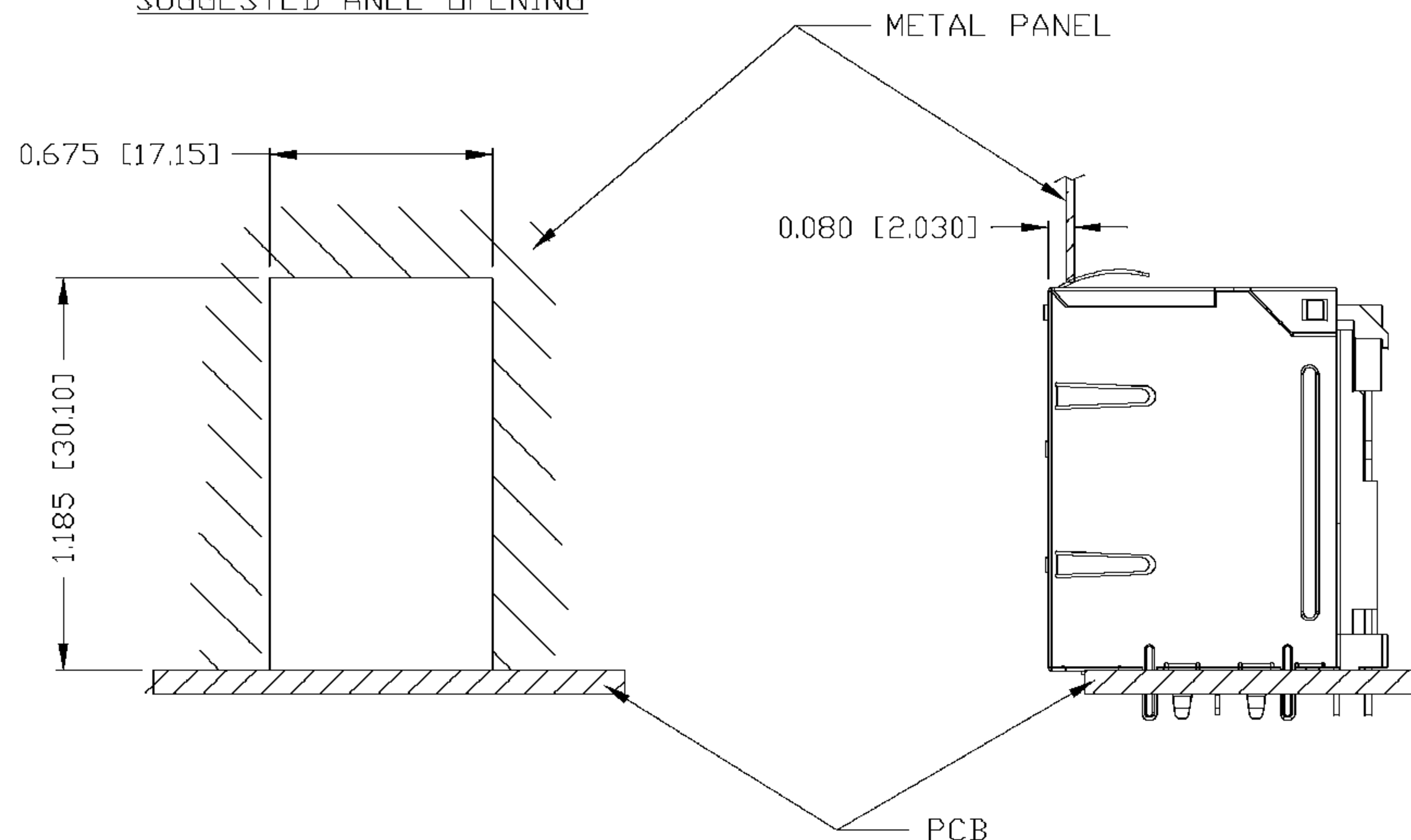
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
LIU QIN	07-24-07	MagJack® Combo	08C2-1X1T-20	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
CHEN TING	07-24-07		08C2-1X1T-20_A.DWG	.XXX	±0.004		





SUGGESTED ANEL OPENING



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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LIU QIN	07-24-07	MagJack® Combo	08C2-1X1T-20	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHEN TING	07-24-07		08C2-1X1T-20_A.DWG	.XX		PAGE : 6
				.XXX		