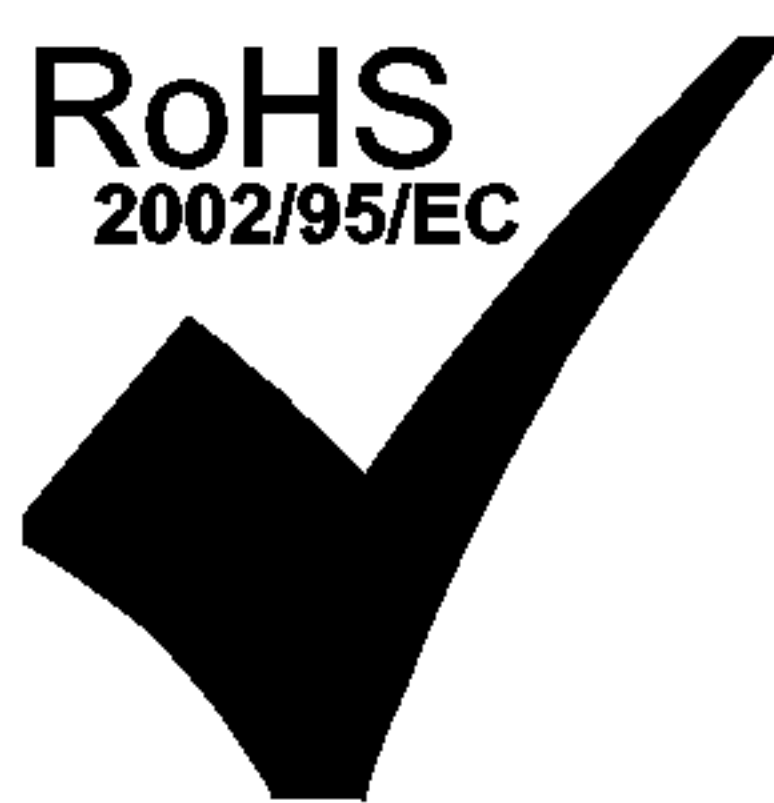


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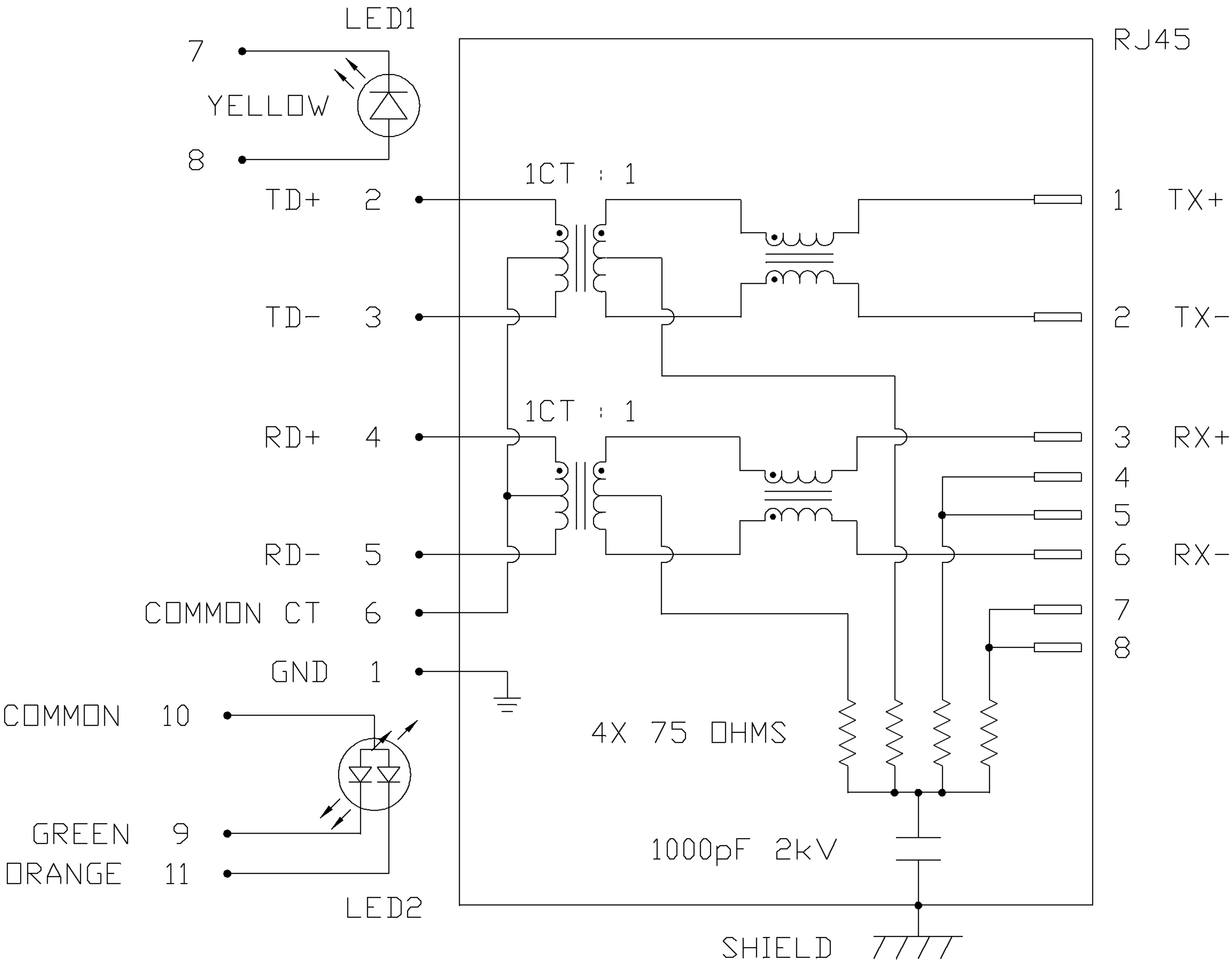
LED1 POLARITY			LED2 POLARITY			
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	PIN 11	COLOR
-	+	YELLOW	-	+		GREEN
				+	-	ORANGE
			-	+	-	MIXED YELLOW



ELECTRICAL CHARACTERISTICS @ 25°C

TX	1CT : 1
RX	1CT : 1
OCL @ 100kHz/100mVRMS	350μH MIN.
8mA DC BIAS (0°C - 70°C)	
INS. LOSS	-1.0 dB MAX
1MHz TO 100MHz	
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 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 2.1V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA GREEN 570nm TYP.
	ORANGE 607nm TYP.
MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.	

SCHEMATIC



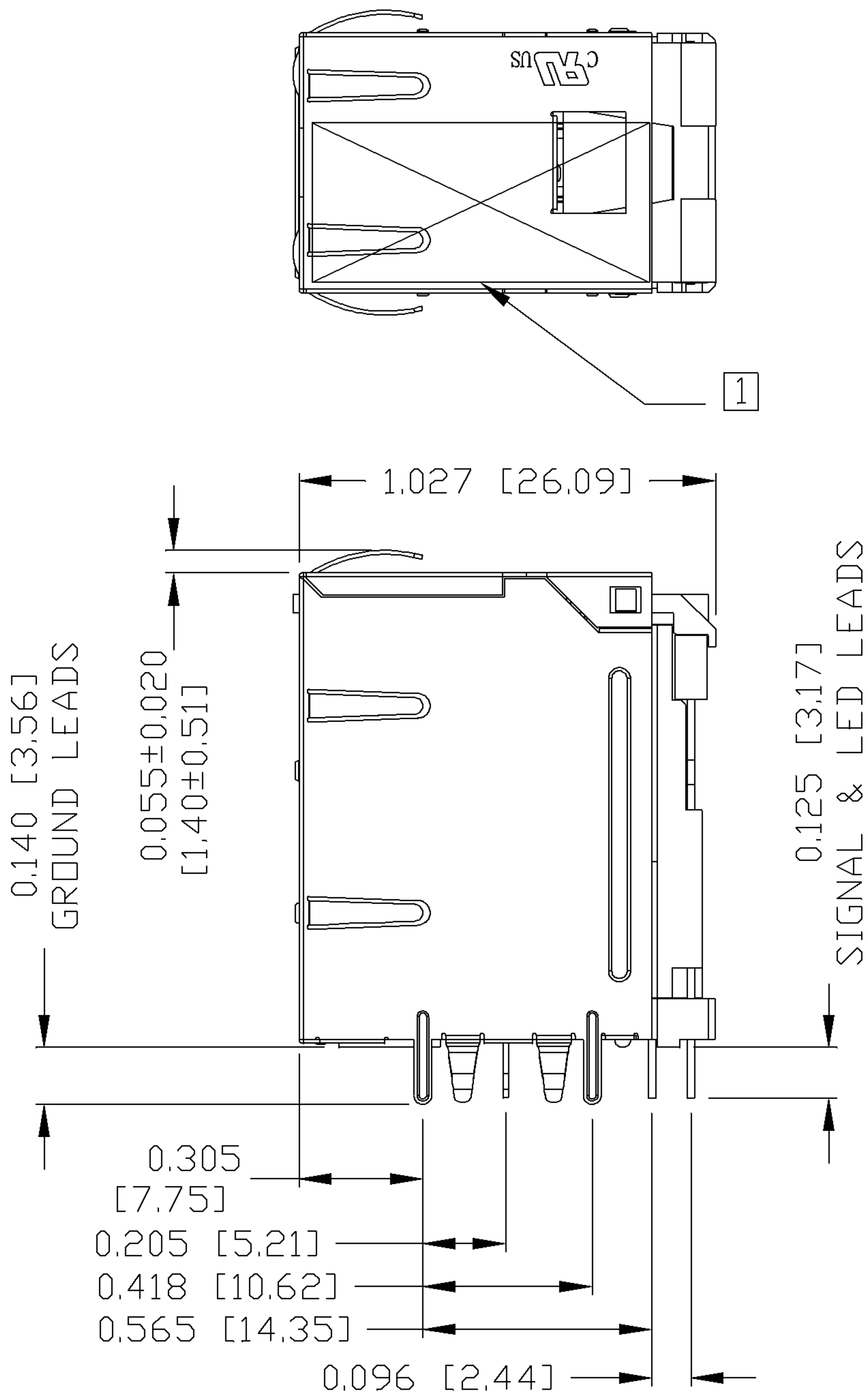
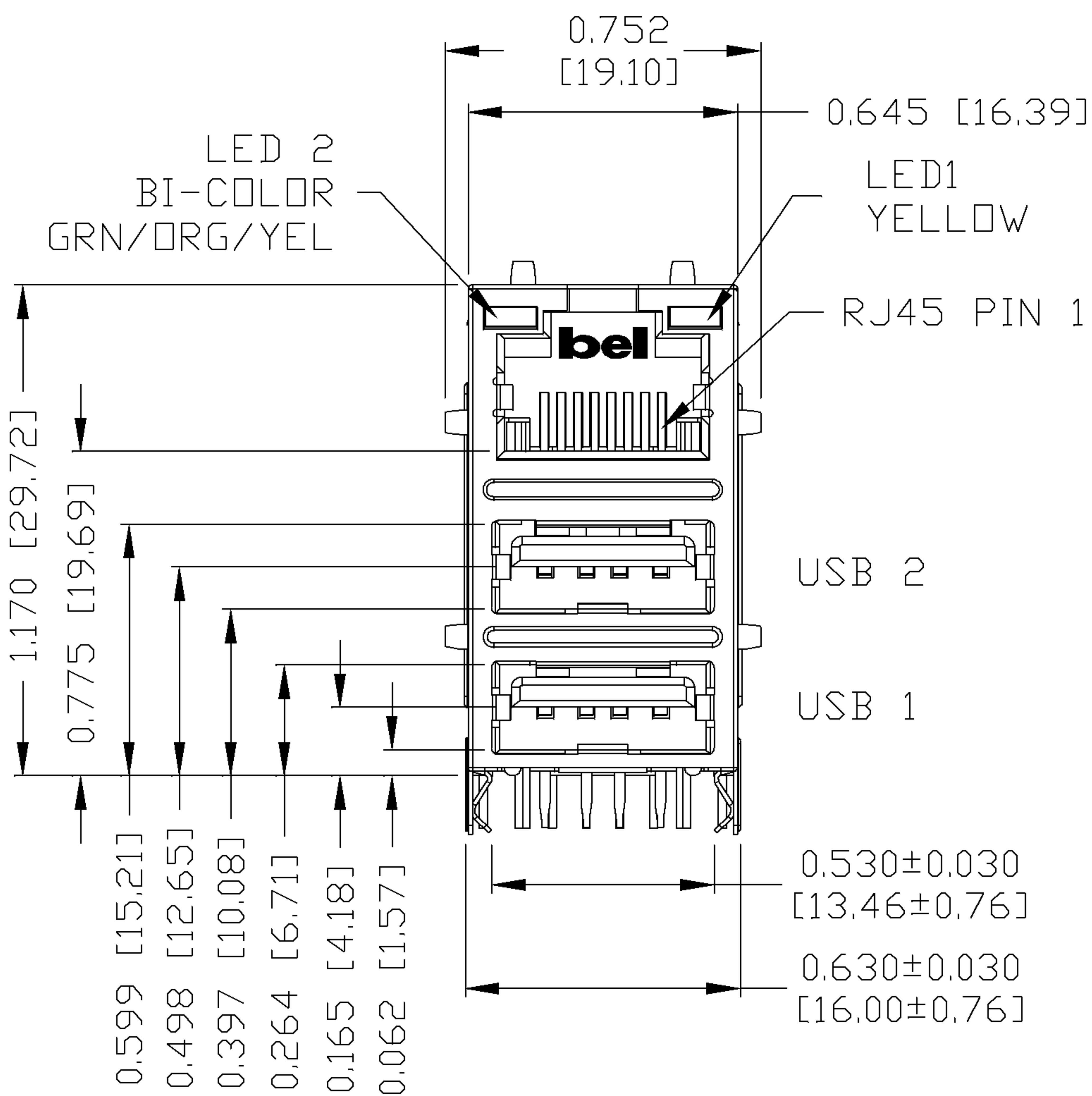
USB ELECTRICAL:
INSULATION RESISTANCE: 1000 MEG W (MIN)
CONTACT RESISTANCE: 25 MILLI W (MAX)
DIELECTRIC WITHSTANDING: 750 VAC

ORIGINATED BY CHOW WANCHUNG	DATE 12-25-07	TITLE MagJack® Combo	PART NO. / DRAWING NO. 08C2-1J1T-D1	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY DENG PING	DATE 12-25-07		FILE NAME 08C2-1J1T-D1_B.DWG	.X	UNIT : INCH [mm]	REV. : B
				.XX	SCALE : N/A	SIZE : A4
				.XXX		PAGE : 2



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MECHANICAL SPECIFICATION

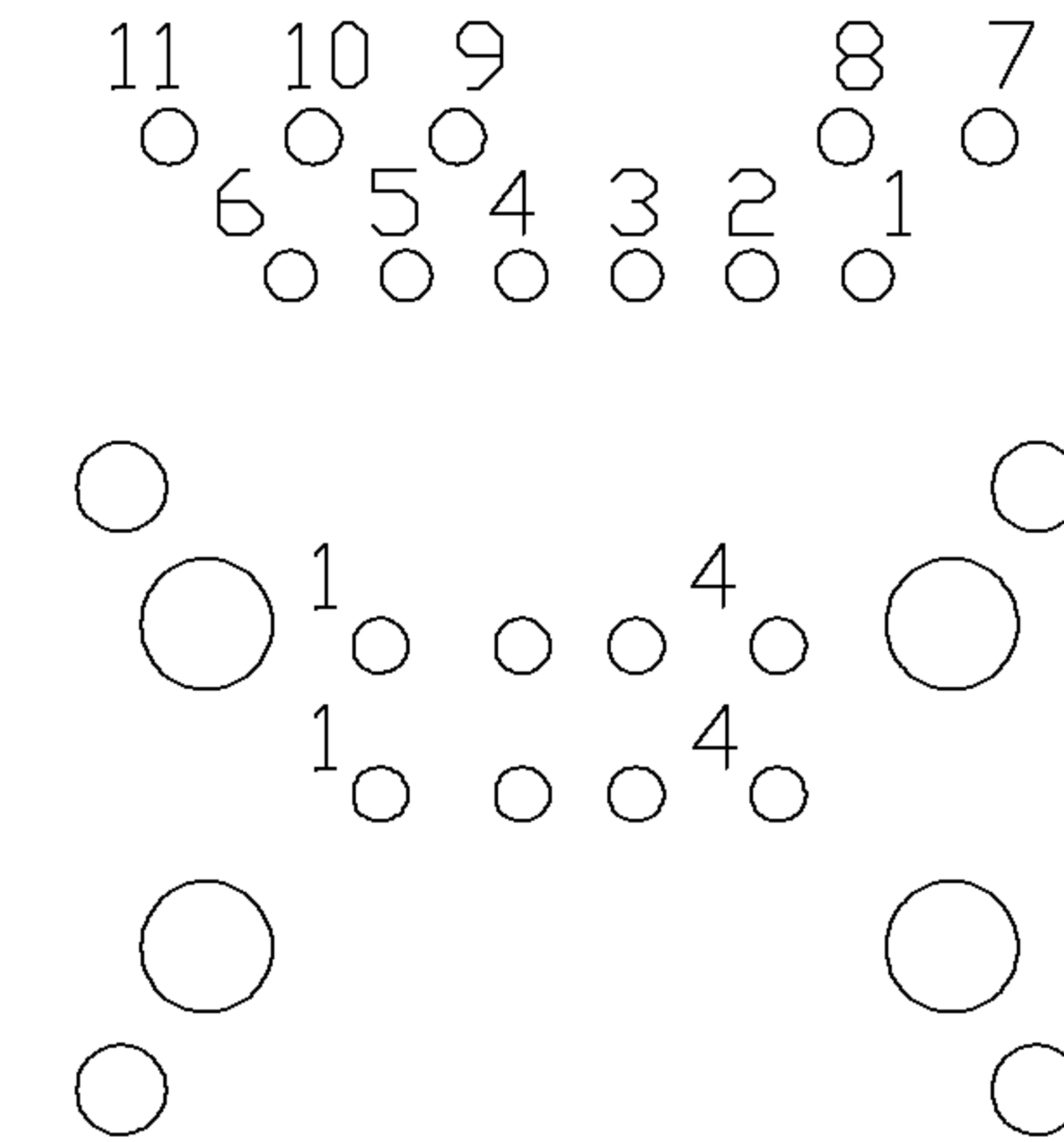
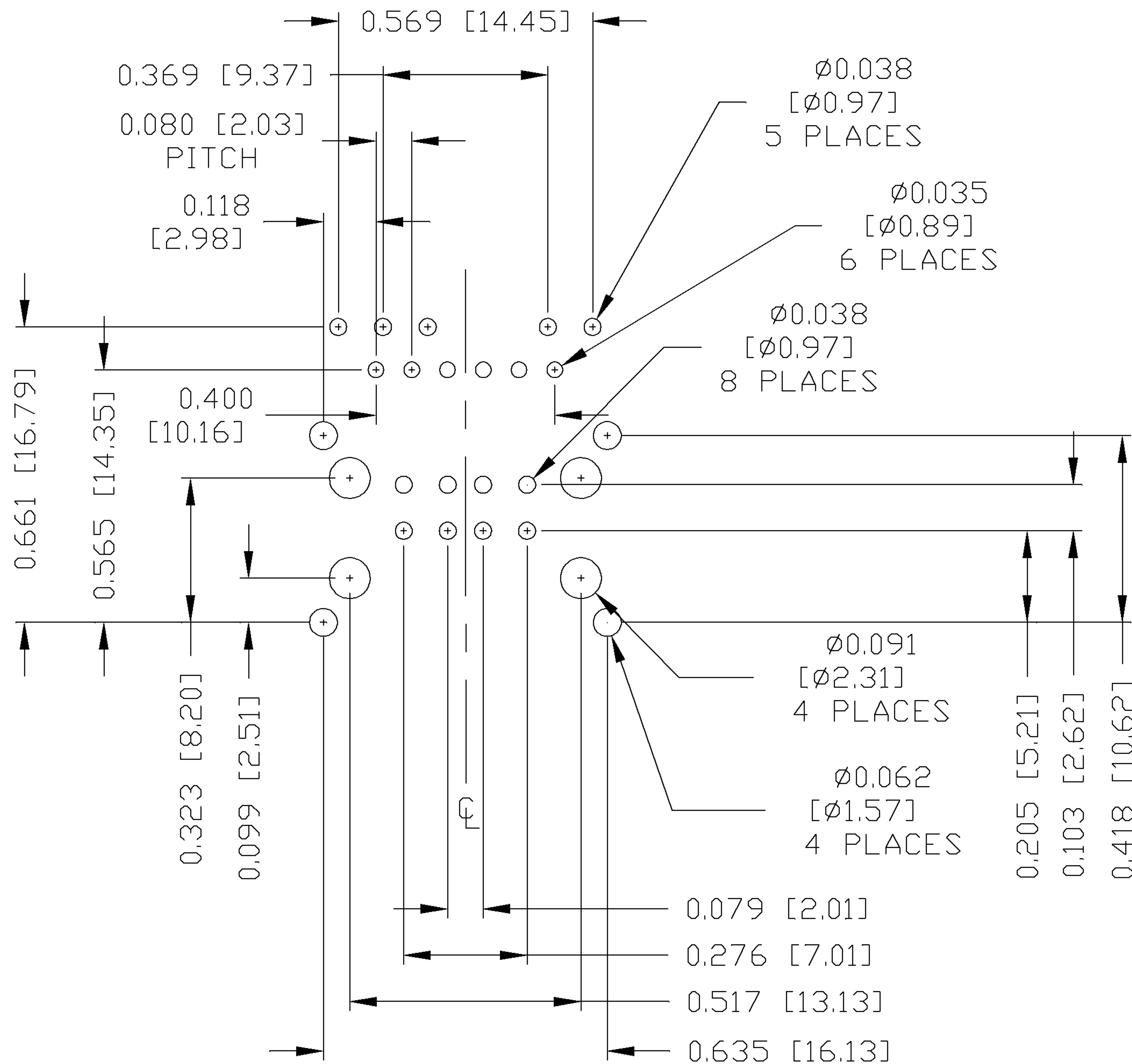


ORIGINATED BY	DATE	TITLE MagJack® Combo	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		08C2-1J1T-D1		TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY	DATE		FILE NAME		.X		SCALE : N/A SIZE : A4		
CHEN TING	12-25-07		08C2-1J1T-D1_B.DWG		.XX		PAGE : 3		
					.XXX	±0.010			

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Recommended PCB footprint	
Component	Side

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.



CIVIL RIGHTS DIVISION
U.S. DEPARTMENT OF JUSTICE

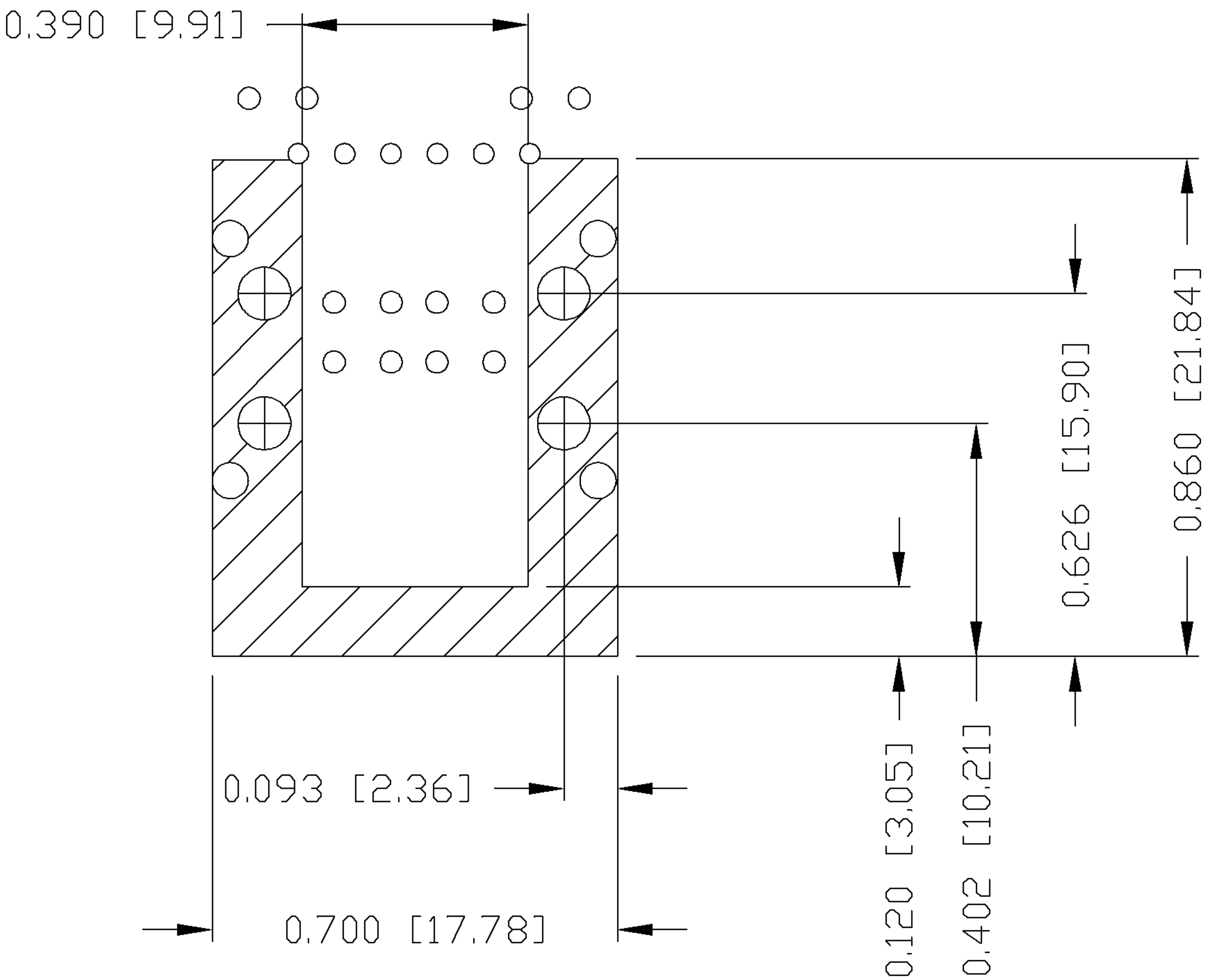
US UL RECOGNIZED - FILE #E196366 AND E169987.

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.

ORIGINATED BY LIU QIN	DATE 12-25-07	TITLE MagJack® Combo	PART NO. / DRAWING NO. 08C2-1J1T-D1	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY CHEN TING	DATE 12-25-07		FILE NAME 08C2-1J1T-D1_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX		±0.004		

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RoHS
2002/95/EC



NOTES

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

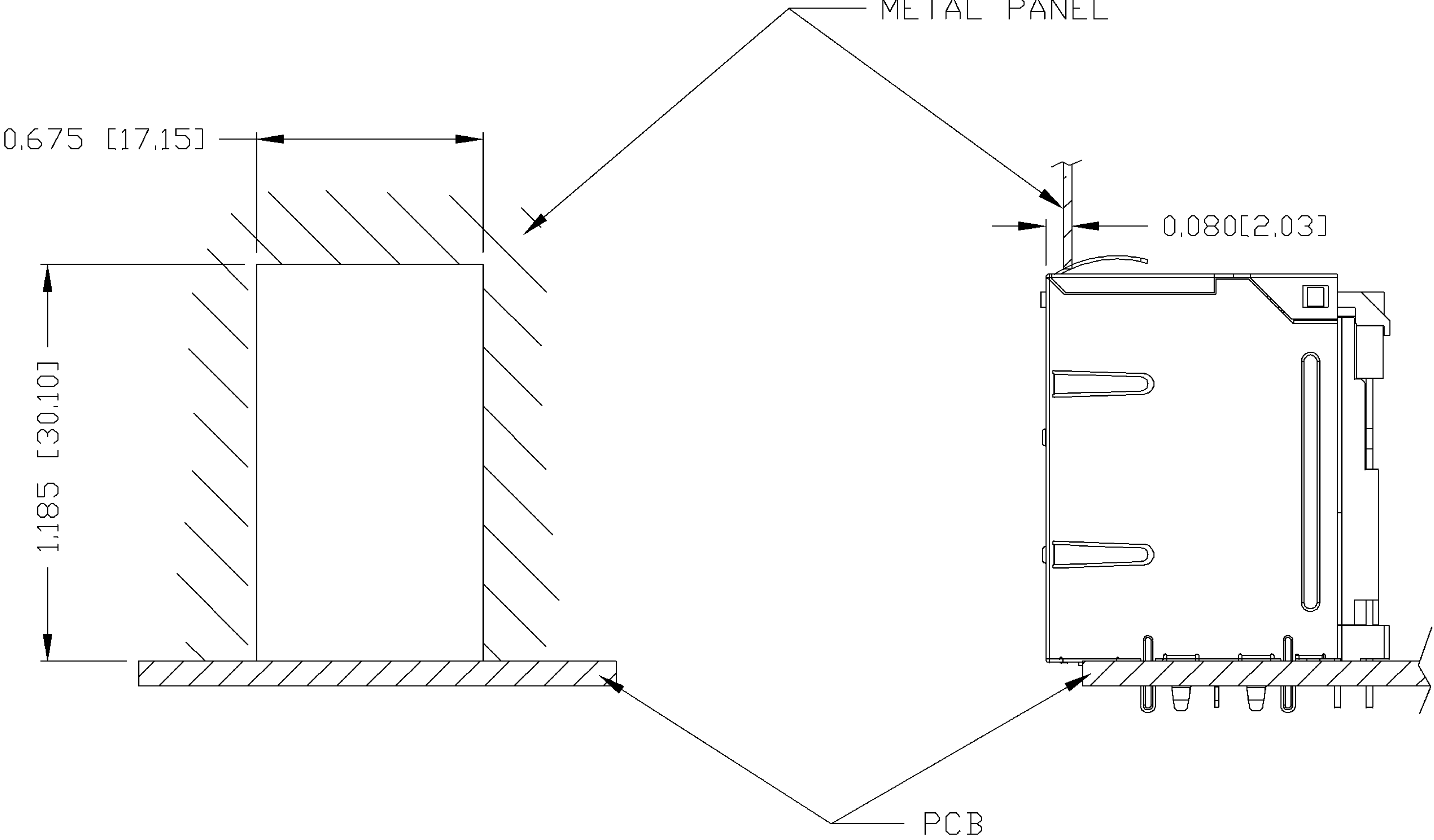
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
LIU QIN	12-25-07	MagJack® Combo	08C2-1J1T-D1	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
CHEN TING	12-25-07		08C2-1J1T-D1_B.DWG	.XXX	±0.004		



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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)

ORIGINATED BY	DATE	TITLE MagJack® Combo	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-25-07		08C2-1J1T-D1		TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY	DATE		FILE NAME		.X		SCALE : N/A SIZE : A4		
CHEN TING	12-25-07		08C2-1J1T-D1_B.DWG		.XX		 PAGE : 6		
					.XXX		±0.004		