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LED POLARITY			
PIN 12	PIN 11	PIN 10	COLOR
-	+	/	GREEN
/	+	-	YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

CL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

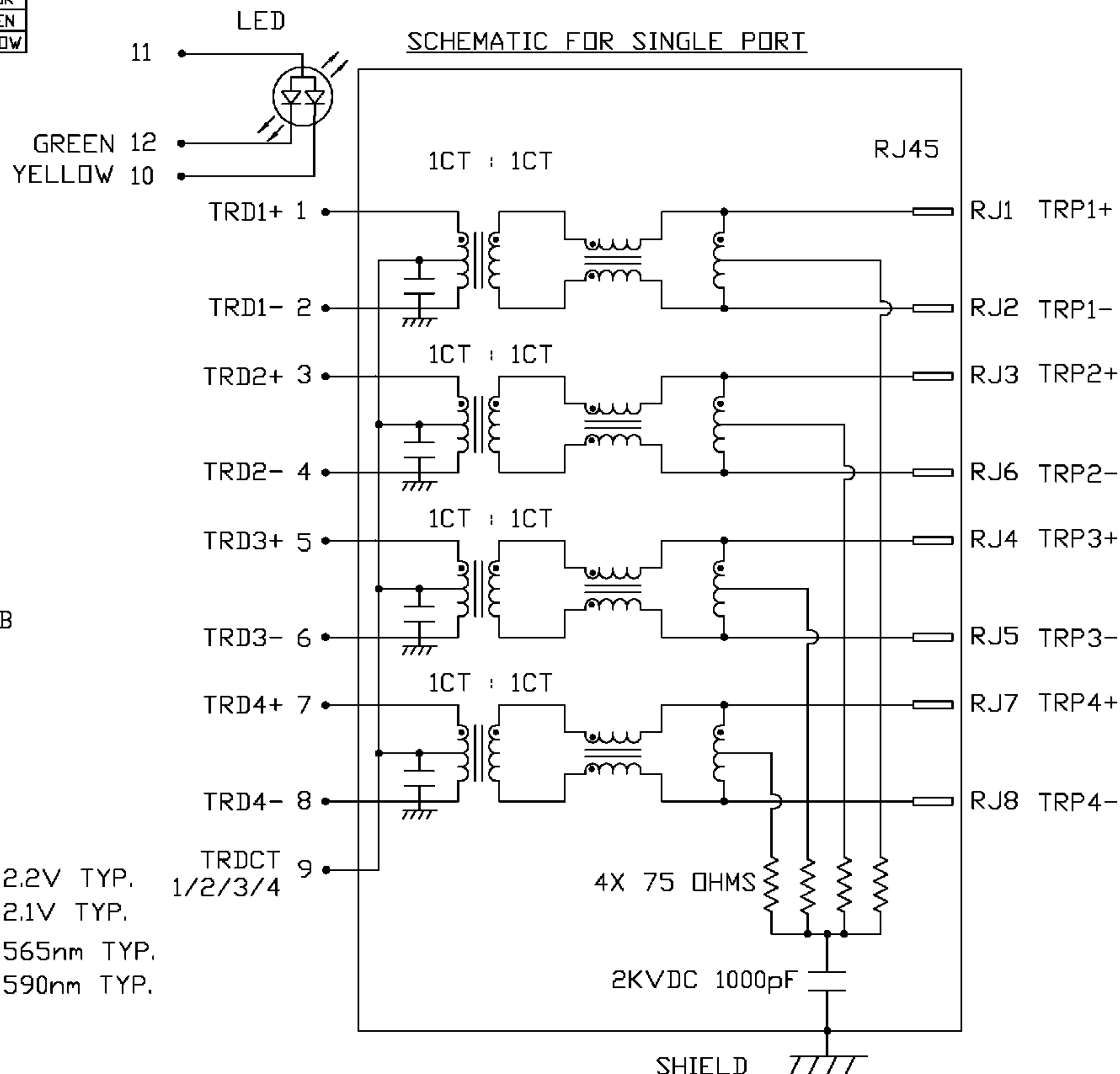
1500 Vrms

LED

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	565nm TYP.
		YELLOW	590nm TYP.

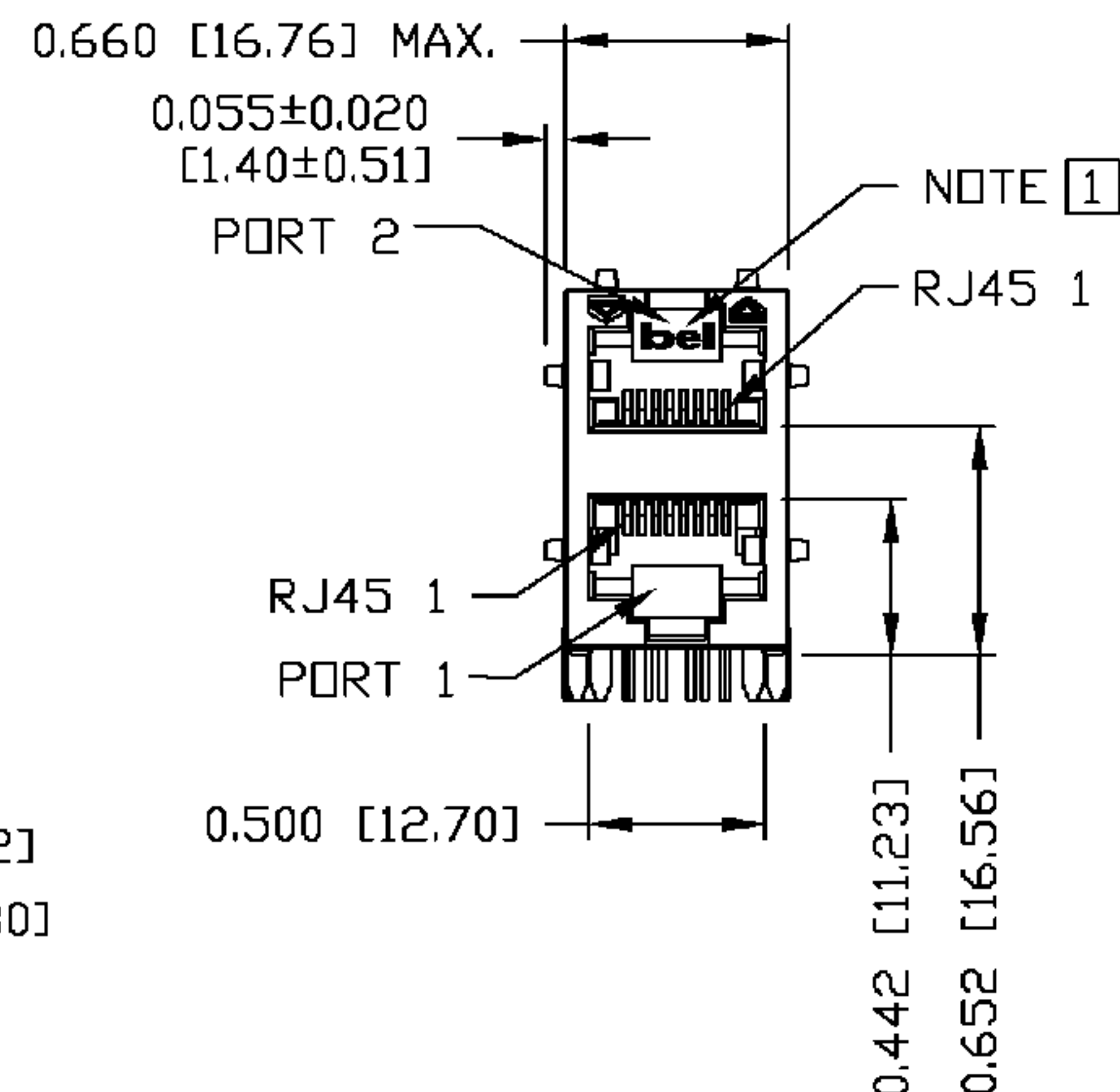
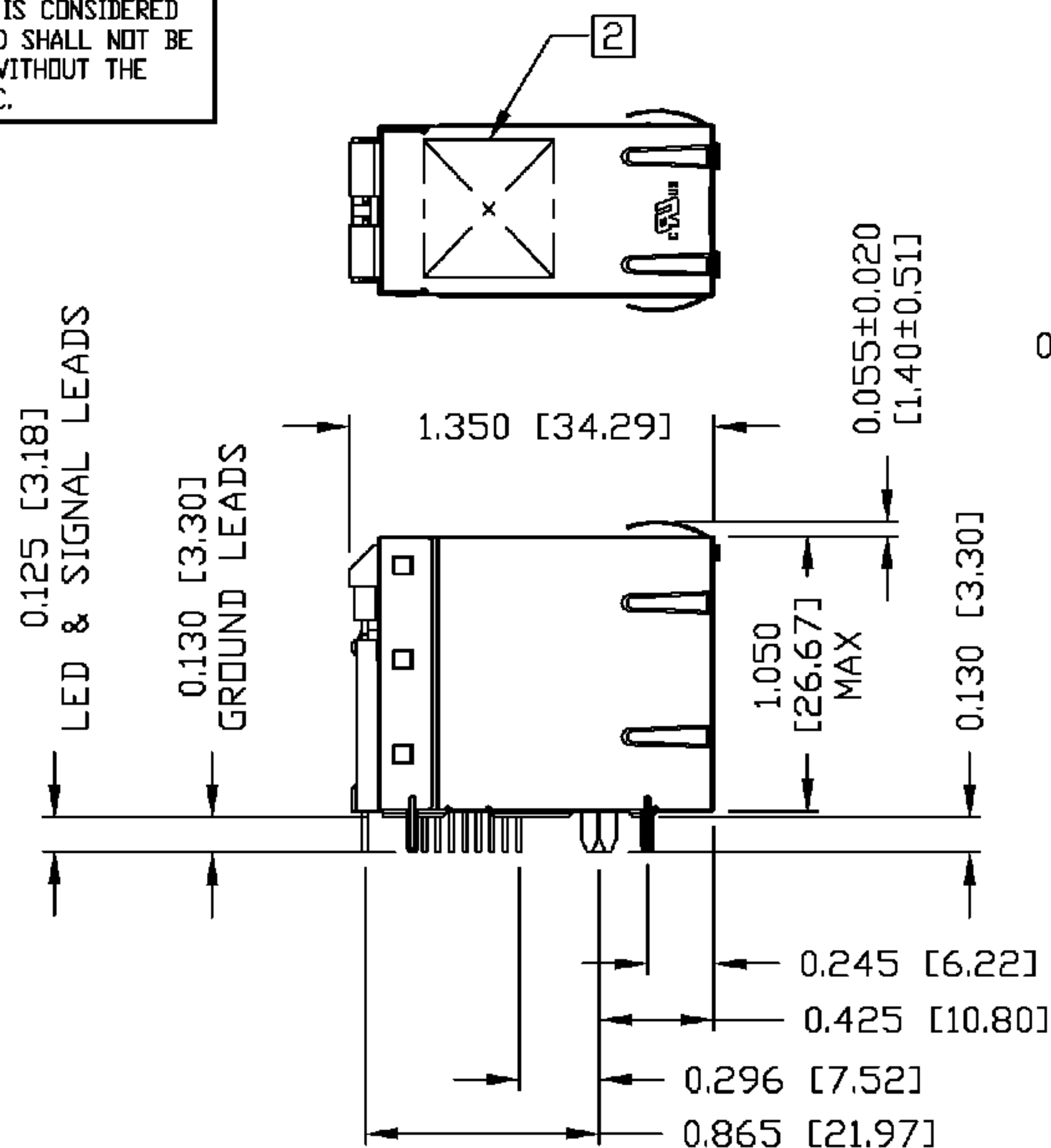
NOTES:

SCHEMATIC & ELECTRICAL CHARACTERISTICS ARE IDENTICAL FOR PORT 1 & PORT 2.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHUNG	04-25-06	2X1 gigabit MagJack® (with LED)	0843-2C1T-33	.X	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	
DE	04-25-06		08432C1T33G.DWG	.XXX	PAGE : 2	

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
 CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 SOLDERABILITY: PER MIL STD. 202, METHOD 208.
 METAL SHIELD: NICKEL OR TIN PLATED COPPER ALLOY.
 (ALL NICKEL PLATED GROUND LEADS ARE SOLDER DIPPED)

[1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

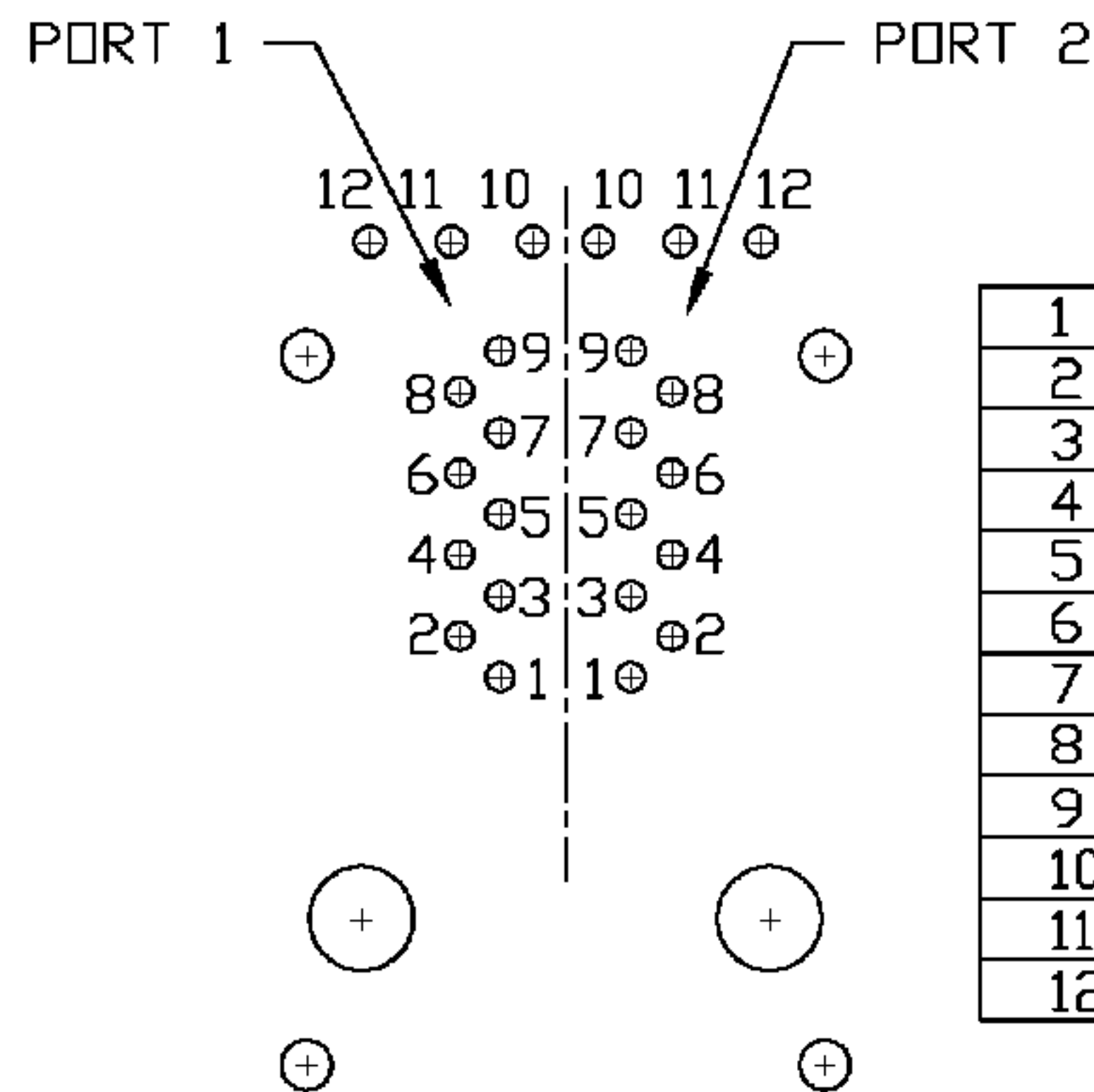
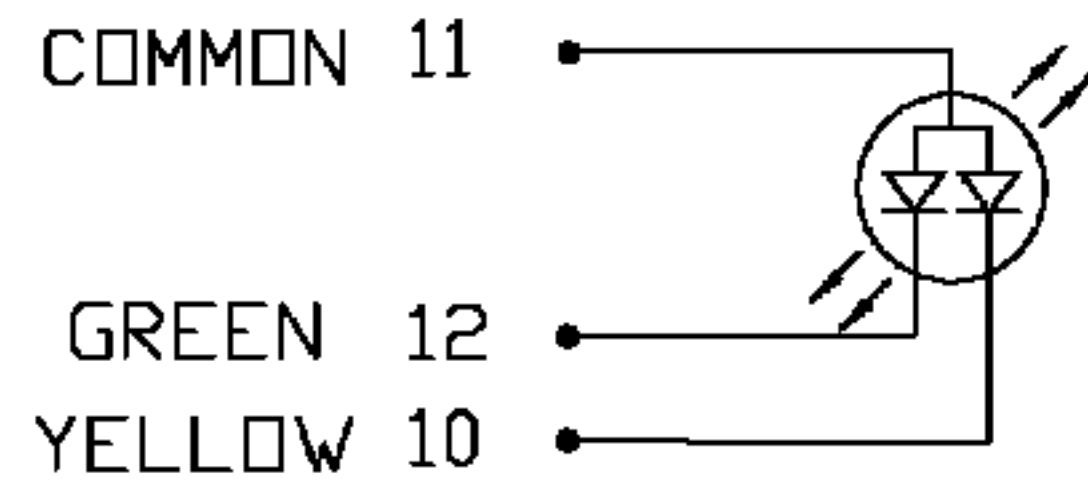
c  US UL RECOGNIZED - FILE #E196366 AND E169987.

[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : G
ANTON/BILL	04-25-06	2X1 gigabit MagJack® (with LED)	0843-2C1T-33	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
XIU	04-25-06		08432C1T33G.DWG	.XXX	±0.010		

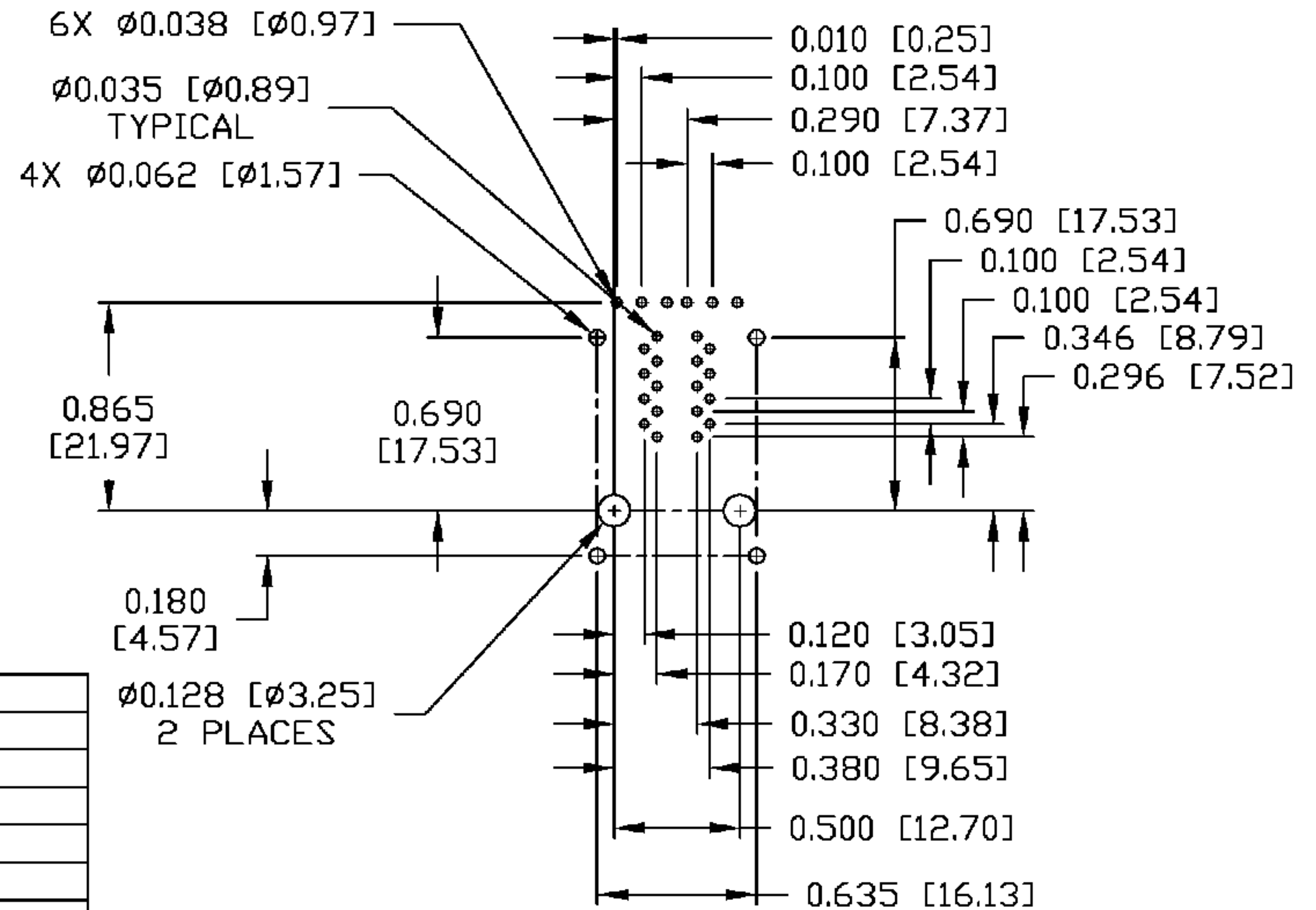
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LED CONFIGURATION



1	TRD 1+
2	TRD 1-
3	TRD 2+
4	TRD 2-
5	TRD 3+
6	TRD 3-
7	TRD 4+
8	TRD 4-
9	TRCT 1/2/3/4
10	YELLOW LED CATHODE
11	COMMON ANODE
12	GREEN LED CATHODE

PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

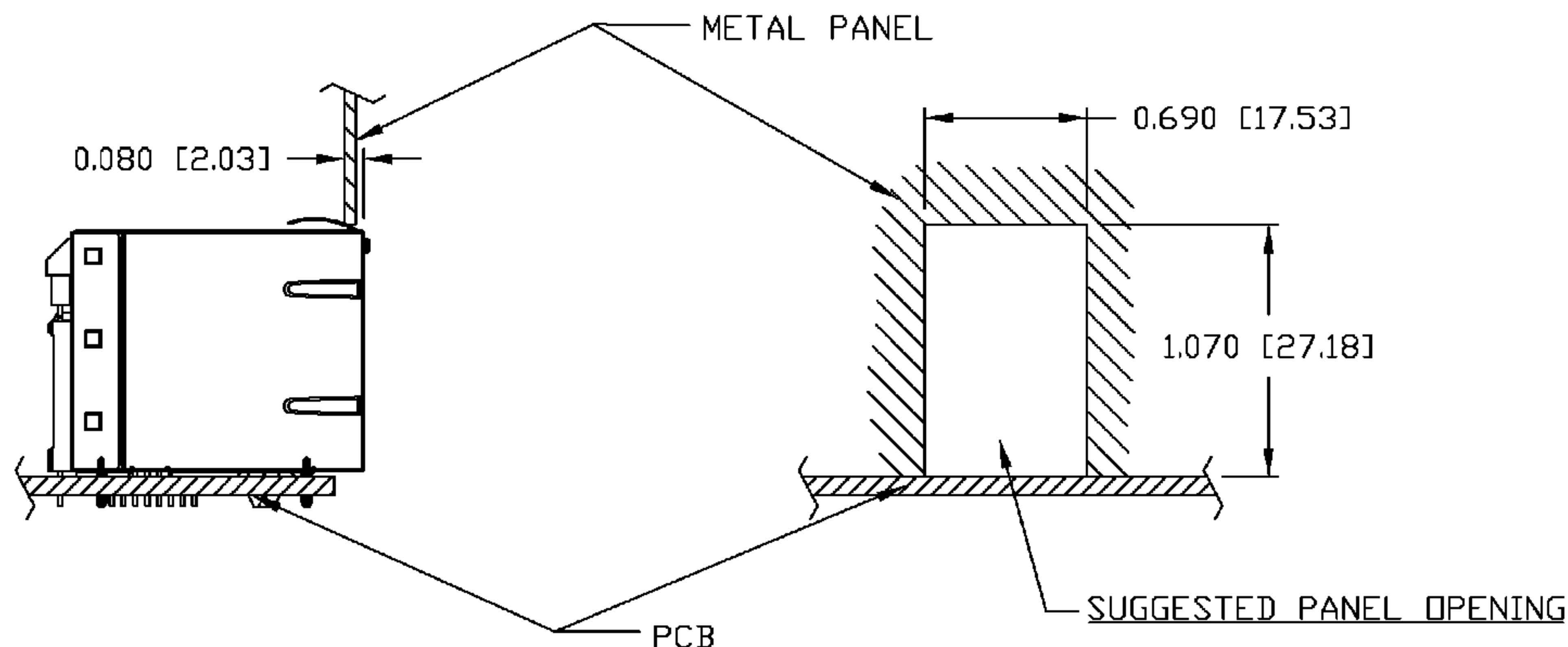


SUGGESTED FOOTPRINT (COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE 2X1 gigabit MagJack® (with LED)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON/BILL	04-25-06		0843-2C1T-33	TOL. IN INCH		UNIT : INCH [mm] REV. : G		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
XIU	04-25-06		08432C1T33G.DWG	.XX		PAGE : 4		
				.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: 0200-0148-36 (TOP)
0200-0148-34 (BOTTOM)

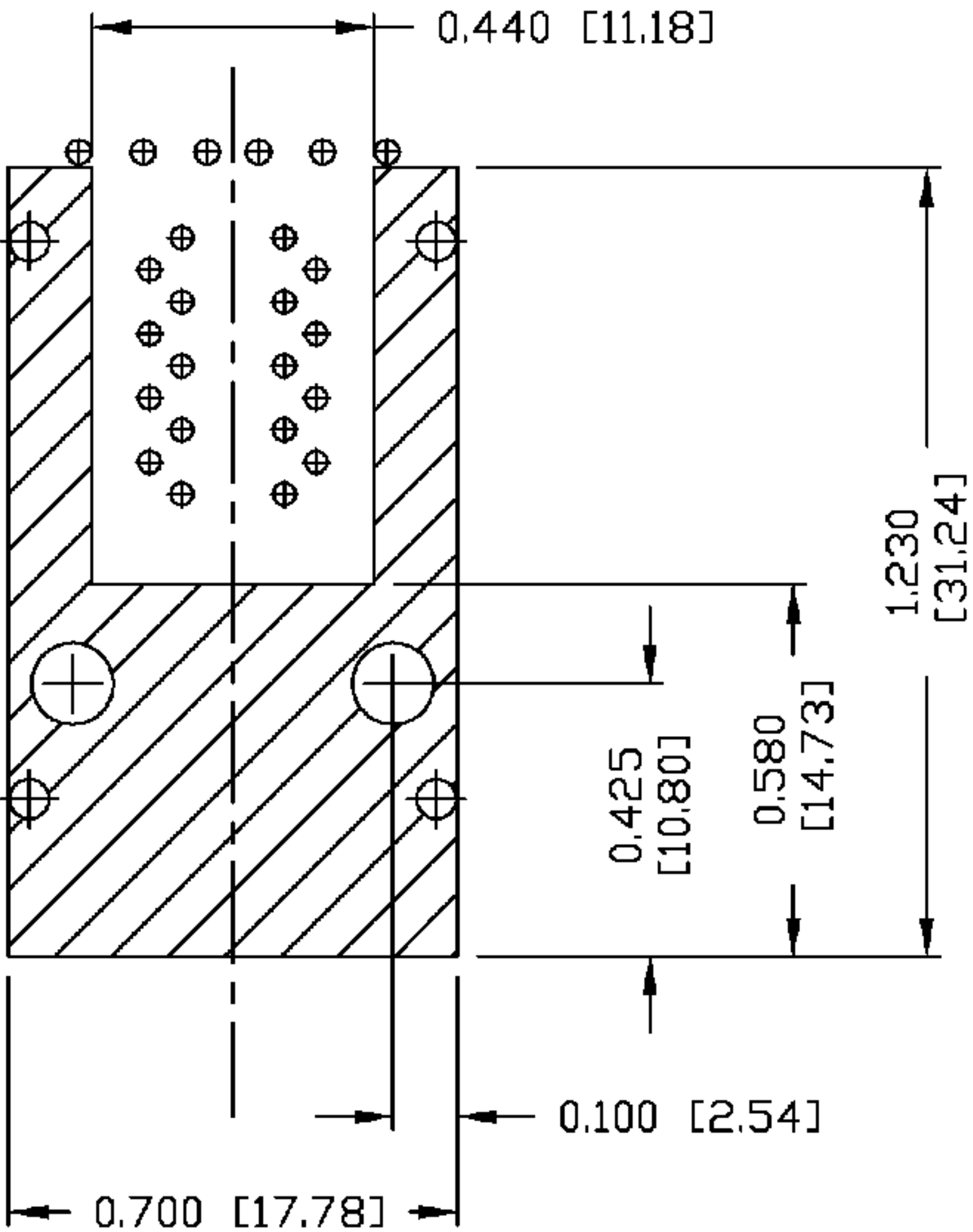
PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING
TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

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ANTON/BILL	04-25-06	2X1 gigabit MagJack® (with LED)	0843-2C1T-33	TOL. IN INCH	UNIT : INCH [mm]	REV. : G
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
XIU	04-25-06		08432C1T33G.DWG	.XX		PAGE : 5
				.XXX	±0.004	

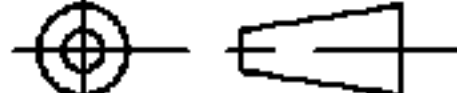


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NOTES:

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

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				TOL. IN INCH		UNIT : INCH [mm]	REV. : G	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
				.XX			PAGE : 6	
ANTON/BILL	04-25-06	2X1 gigabit MagJack ® (with LED)	0843-2C1T-33	.XXX	±0.004			
XIU	04-25-06		08432C1T33G.DWG					