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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350μH MIN.

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) @ 100 OHMS +/-15%

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

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

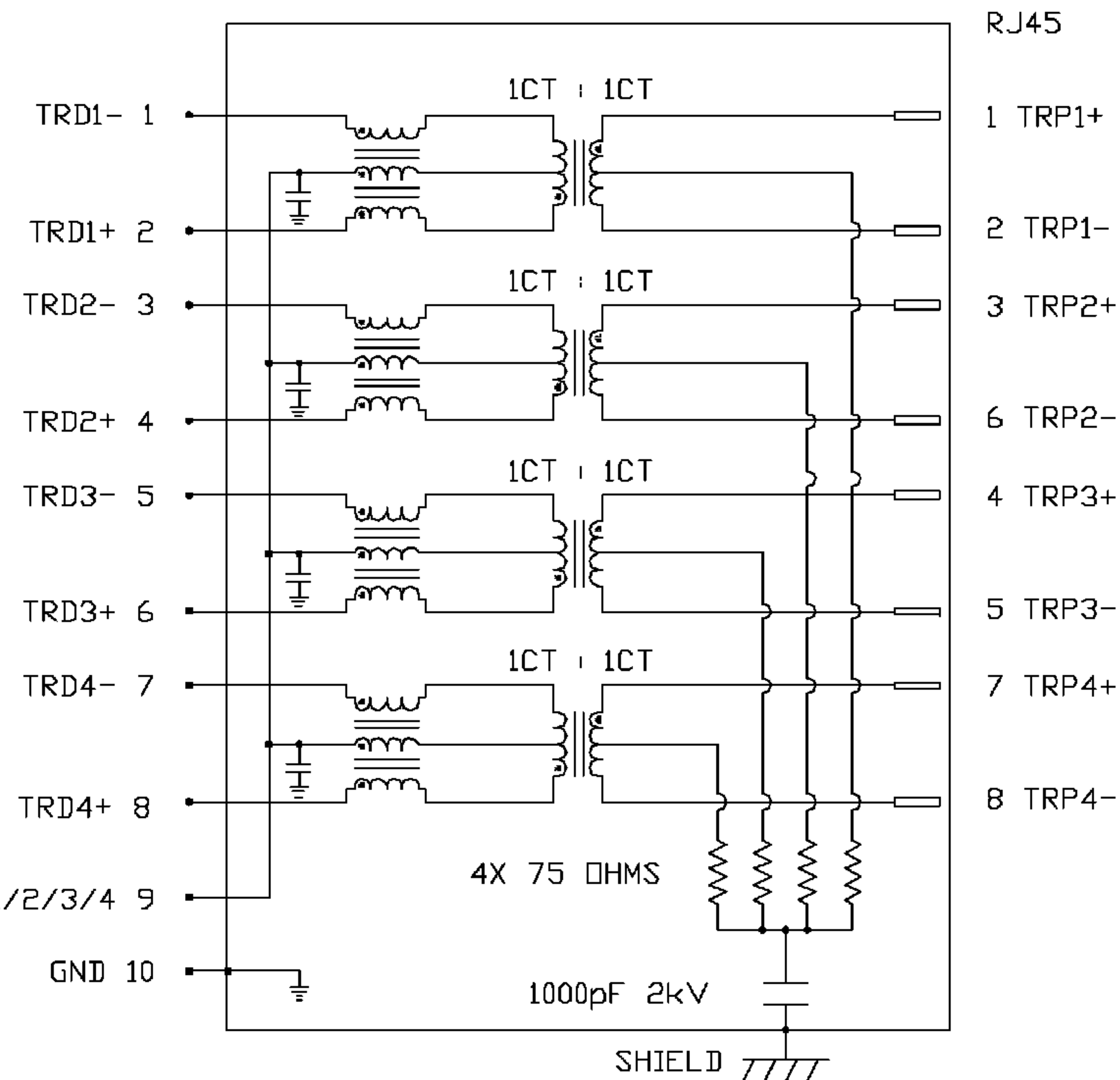
100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms or 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

SCHEMATIC

PRELIMINARY



DRWN DE	DATE 01-20-05
CHKD CHUNG	DATE 01-20-05

TITLE 2X3 gigabit MagJack® (8 Cores)
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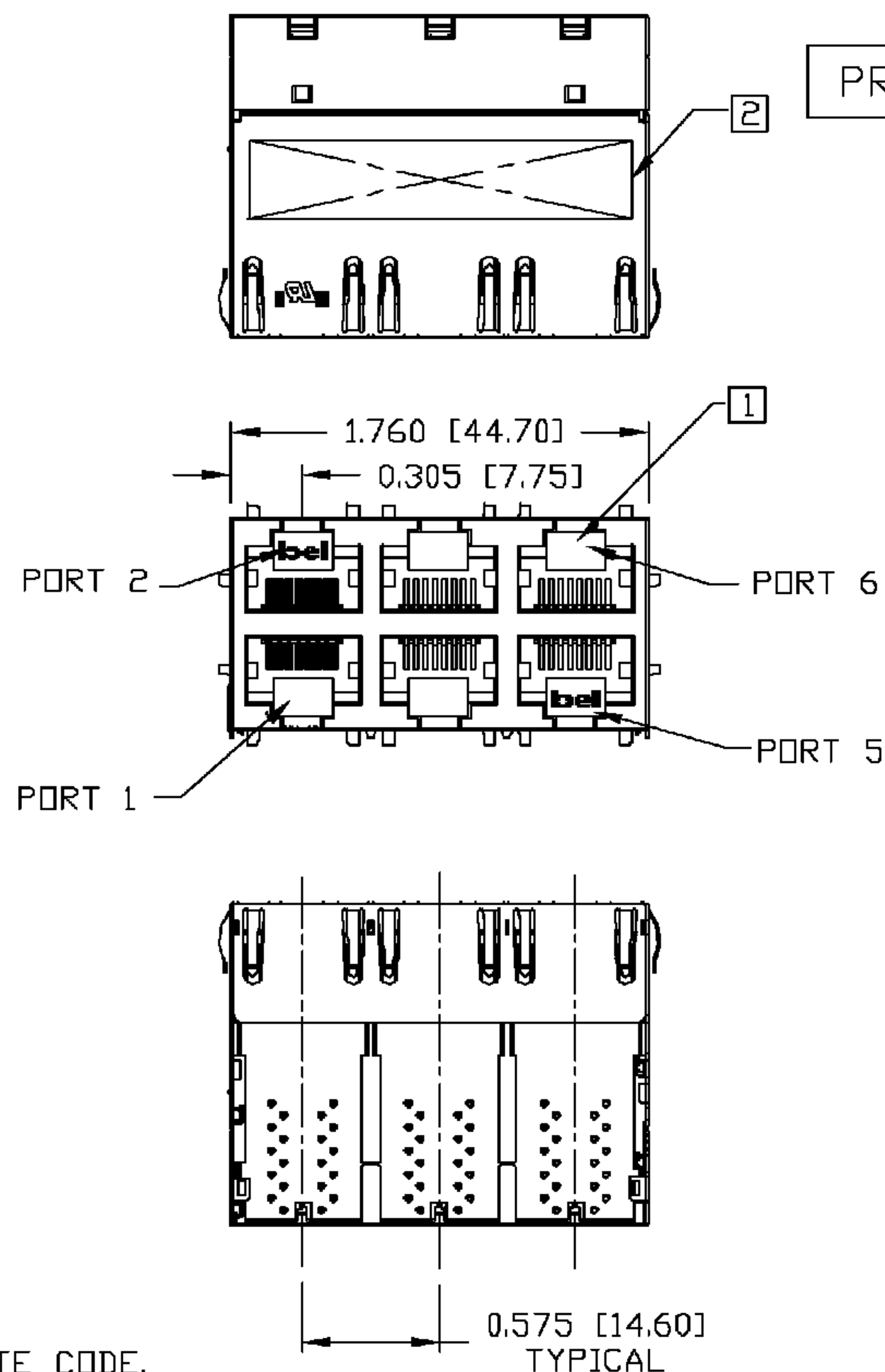
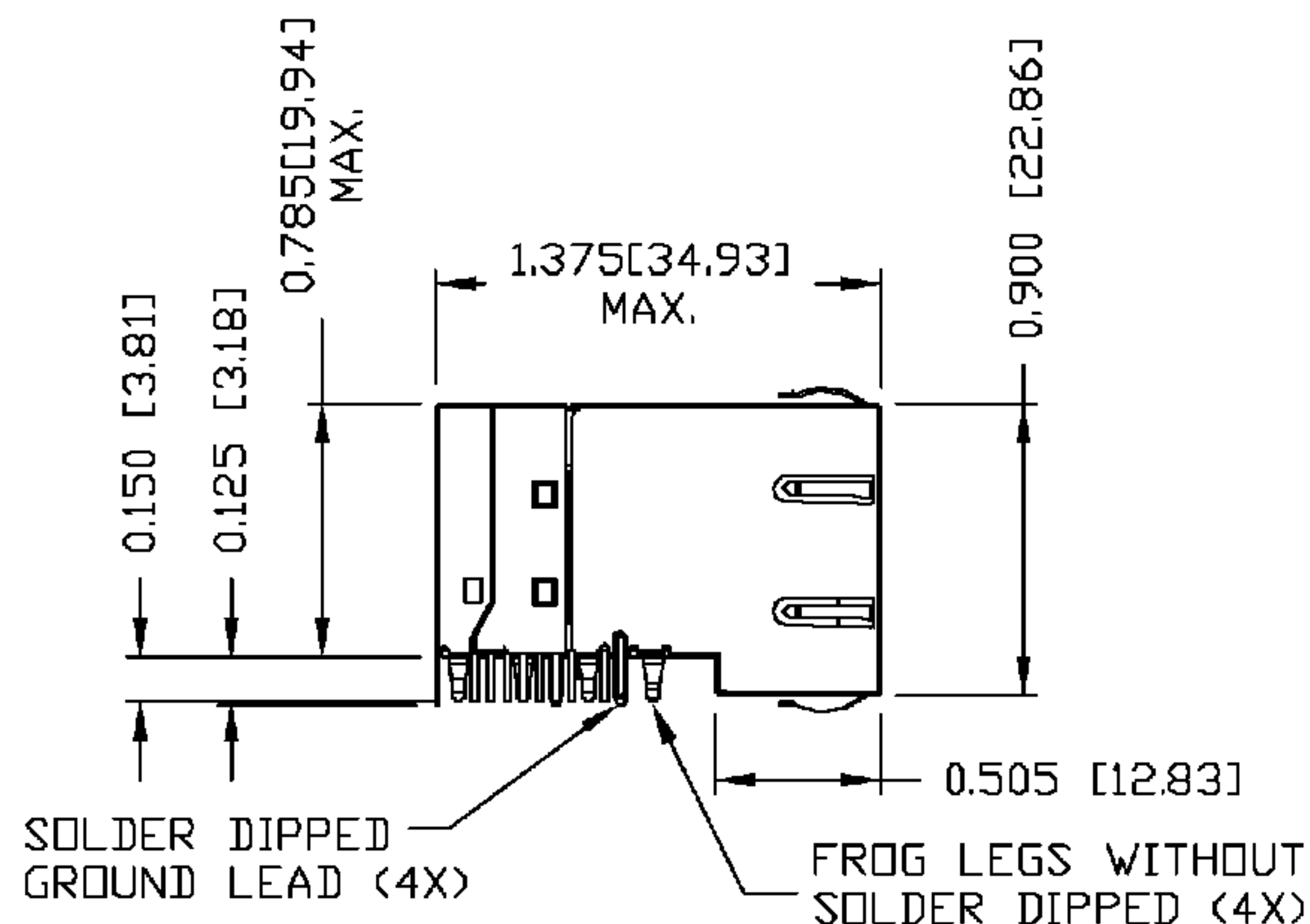
PART NO. / DRAWING NO. C851-2X3R-54
FILE NAME C8512X3R54PA.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	REV. : PA
	SIZE : A4
	PAGE : 2



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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
FROG LEGS ARE FOR PCB RETENTION
FORCE ONLY AND NOT FOR GROUNDING PURPOSE

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.
- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

 UL RECOGNIZED - FILE #E196366 AND E169987.

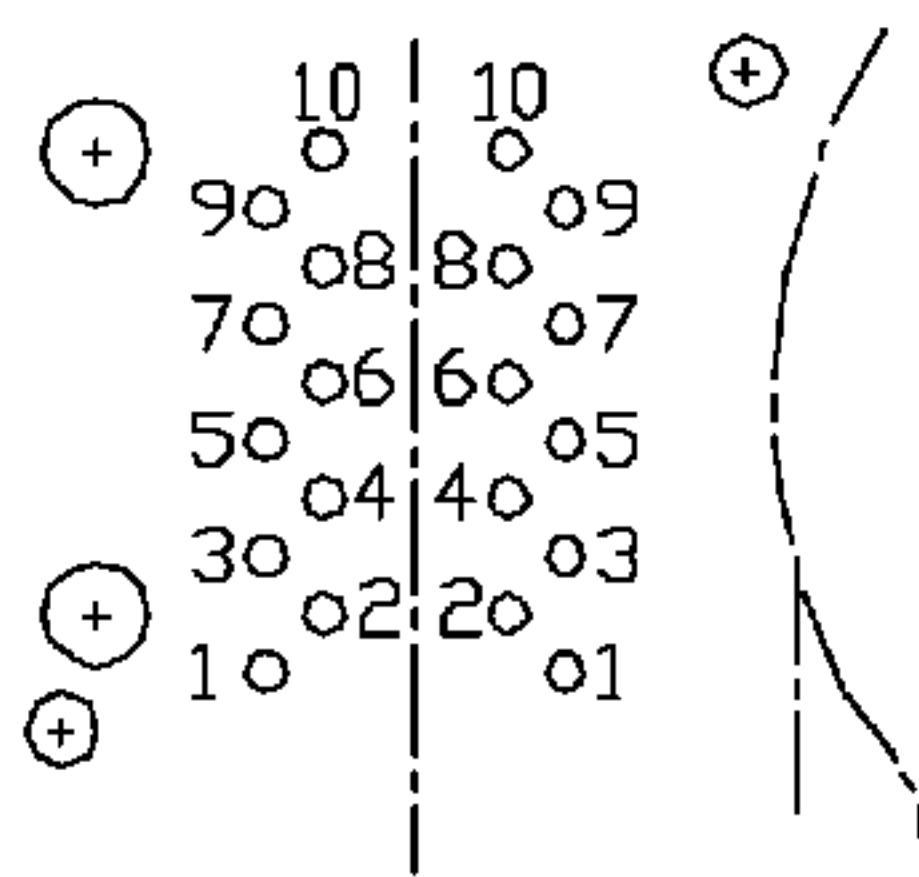
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

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				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
CHKD	DATE		FILE NAME	X		SCALE : N/A	SIZE : A4	
				XX			PAGE : 3	
BILL/KEUNG	01-20-05	2X3 glgablt MagJack® (8 Cores)	C851-2X3R-54 C8512X3R54PA.DWG	XXX	±0.010			

FORM NO. - ENG02052001

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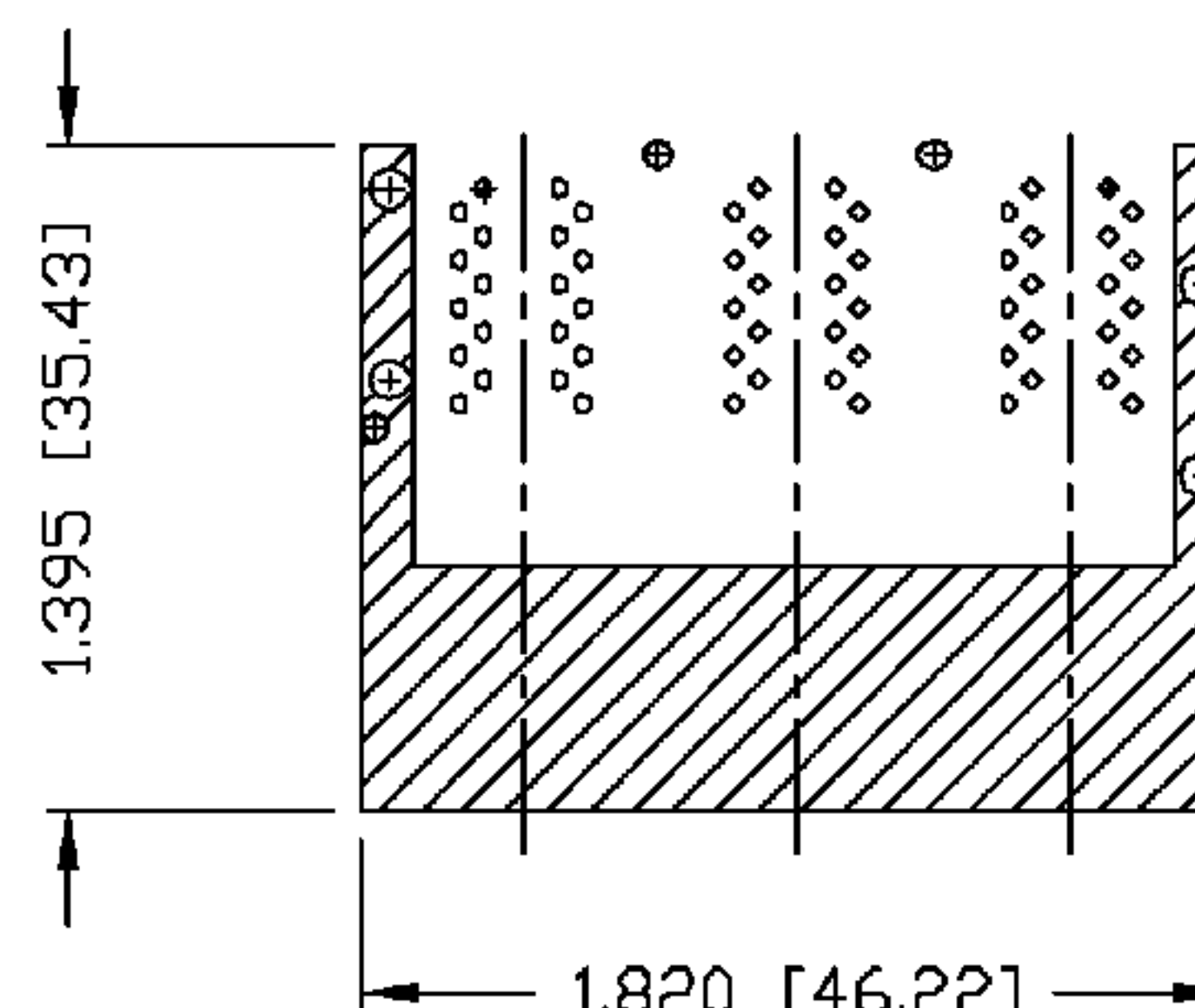
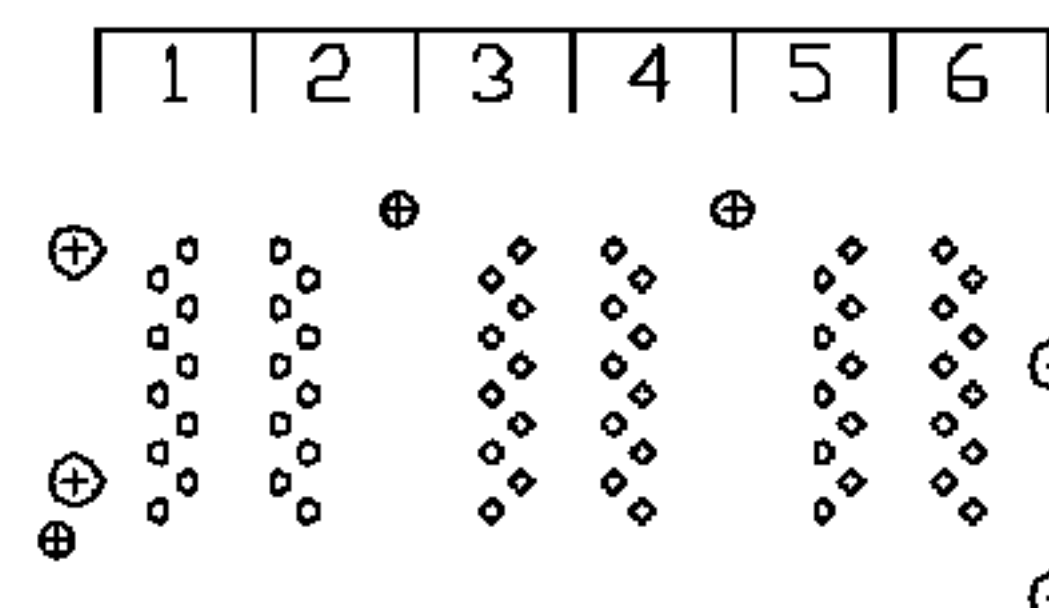
PRELIMINARY



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

DRWN	DATE
FAITH	01-20-05
CHKD	DATE
BILL/KEUNG	01-20-05

TITLE
2X3 glgabit MagJack® (8 Cores)

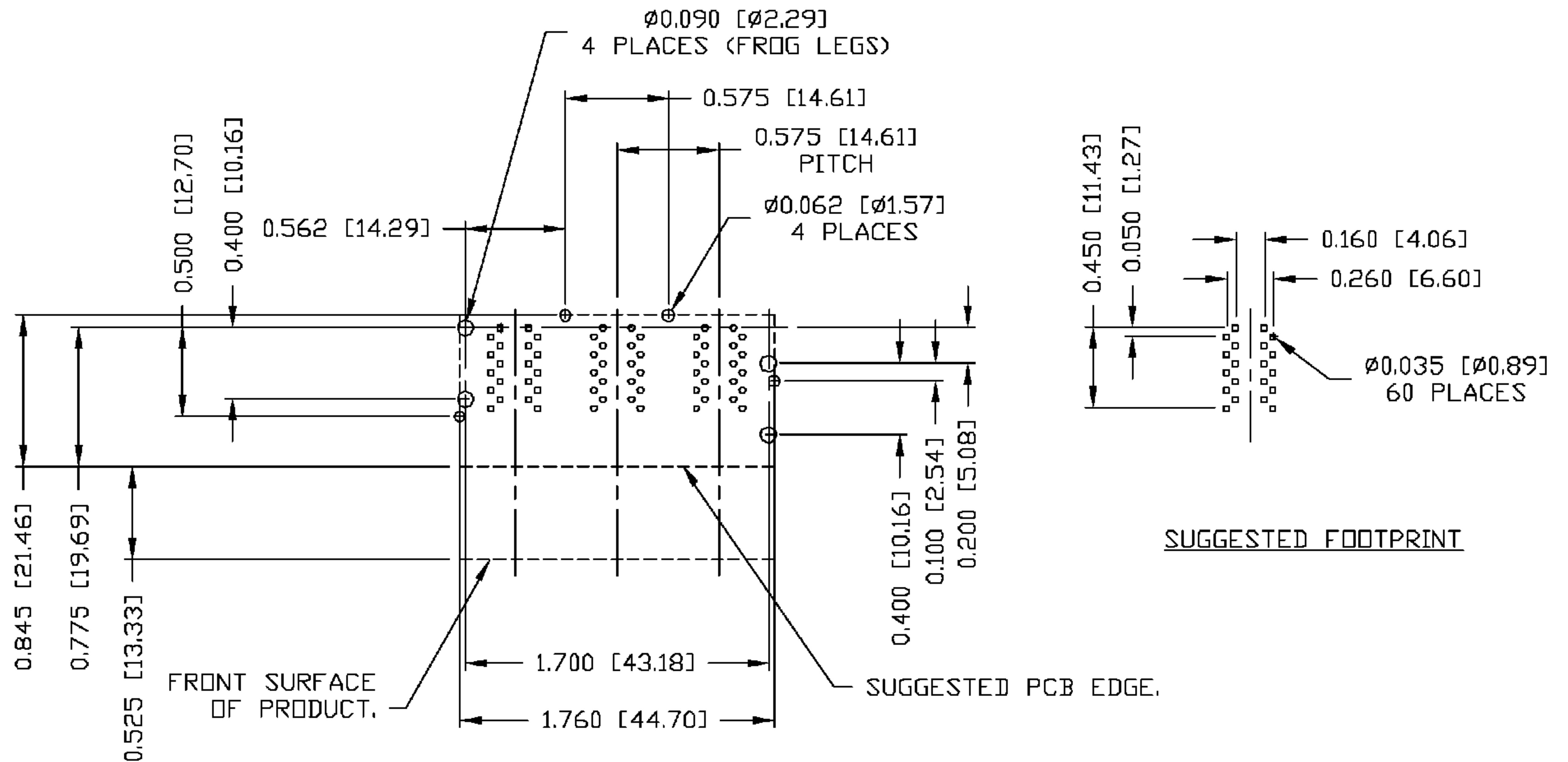
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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

DRWN FAITH	DATE 01-20-05	TITLE 2X3 gigabit MagJack® (8 Cores)
CHKD BILL/KEUNG	DATE 01-20-05	

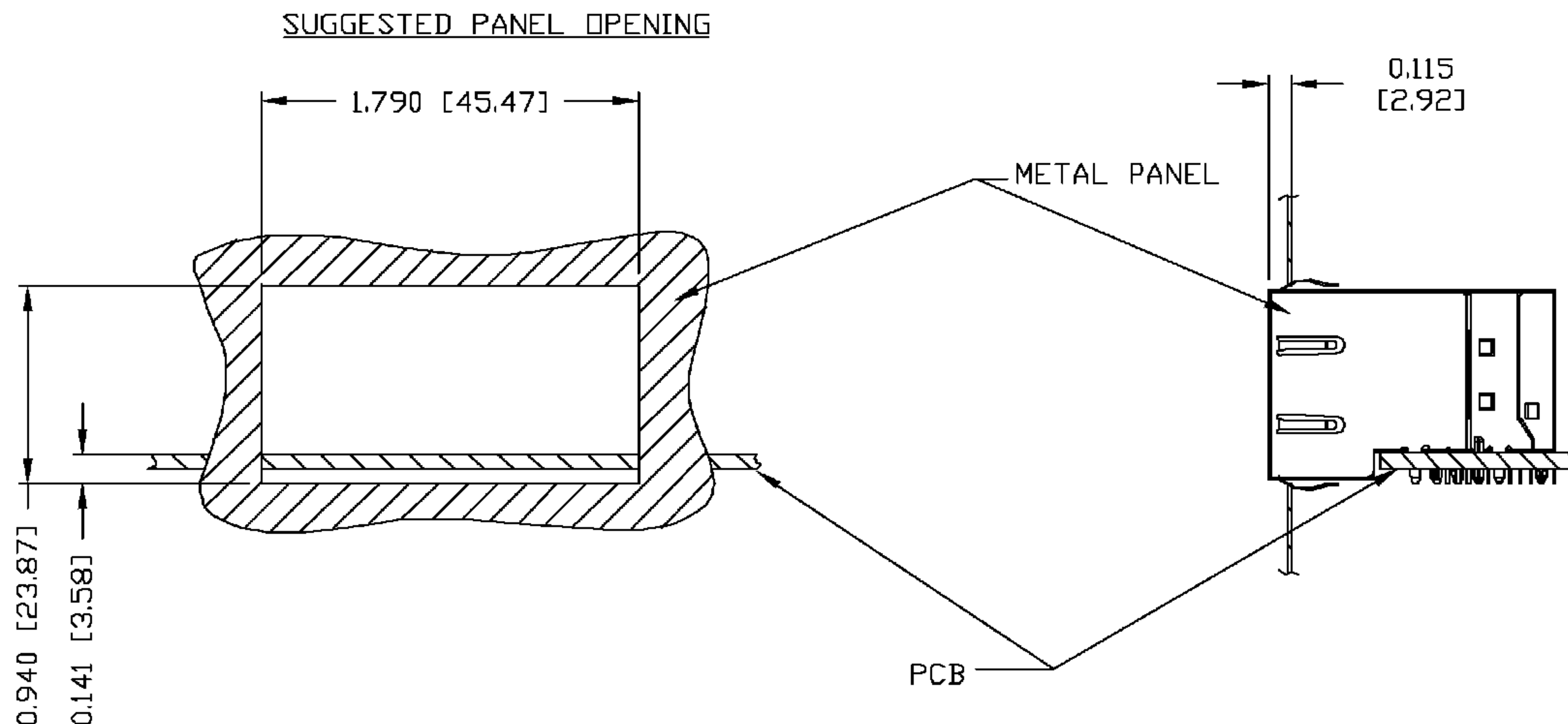
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NOTE:

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-G8 (TOP)

0200-9999-G9 (BOTTOM)

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.

6 TRAYS (180 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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CHKD	DATE		FILE NAME	.XX			PAGE : 6	
BILL/KEUNG	01-20-05		C8512X3R54PA.DWG	.XXX	±0.004			

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