



ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

DCL @ 100kHz/100mVRMS

8mA DC BIAS

350 μ H 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>

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

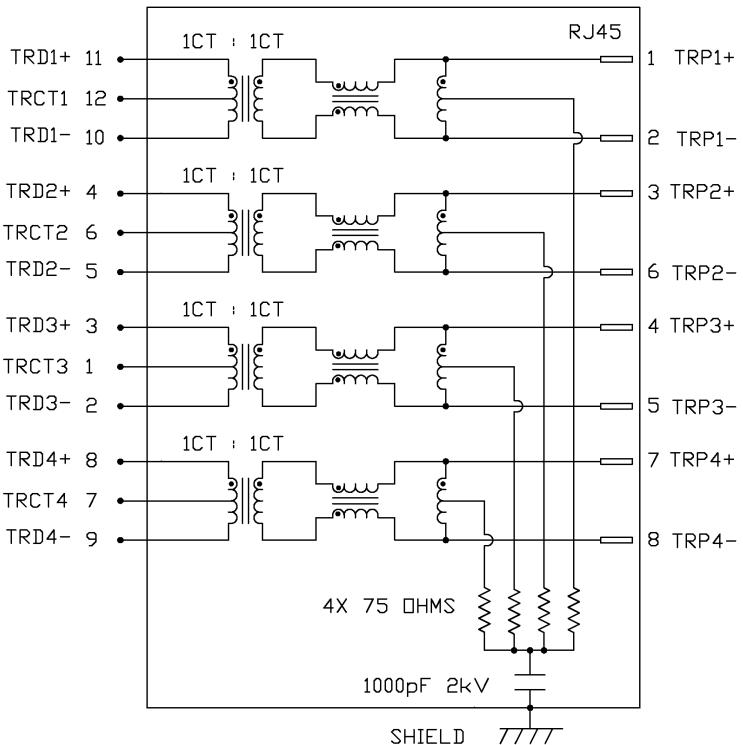
100kHz - 100MHz

-35 dB MIN

HIPOT <Isolation Voltage>

1500 Vrms

SCHEMATIC



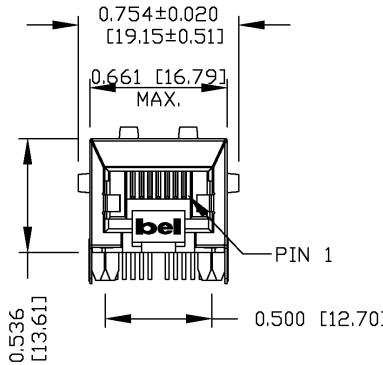
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	06-02-05	gigabit MagJack® (12 cores, Tab Down)	08131X1T23-F	.X	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.XX	REV. : A
DE	06-02-05	08131X1T23-FA.DWG		.XXX	SCALE : N/A
					SIZE : A4
					PAGE : 2



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MECHANICAL SPECIFICATION



NOTES:

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

CONTACTS: 30 MICRO-INCH HARD GOLD PLATING

WITH UNDERPLATING OF 50 MICRO-INCH NICKEL.

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

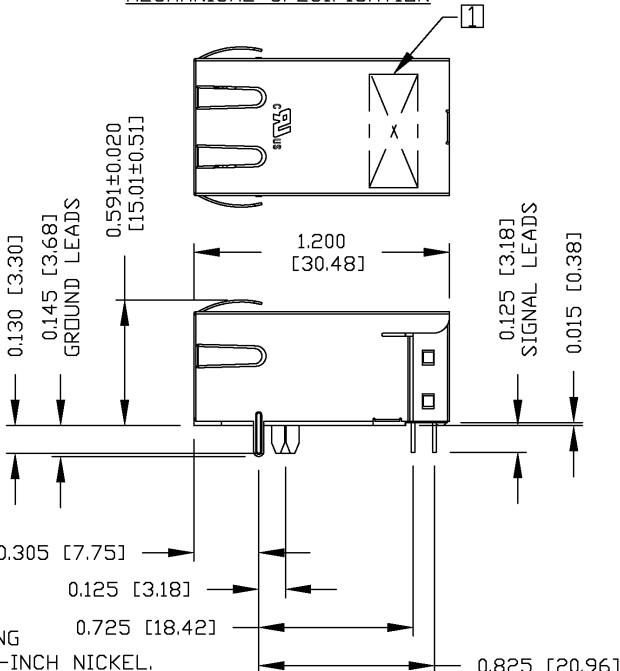
METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.

(ALL NICKEL PLATED GROUND LEADS ARE SOLDER DIPPED)

① 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



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE				UNIT : INCH [mm]	REV. : A
BILL	06-02-05	gigabit MagJack® (12 cores, Tab Down)	08131X1T23-F 0813-1X1T-23-F	.X		
LING	06-02-05				SCALE : N/A	SIZE : A4
				XX		
				XXX	±0.010	PAGE : 3

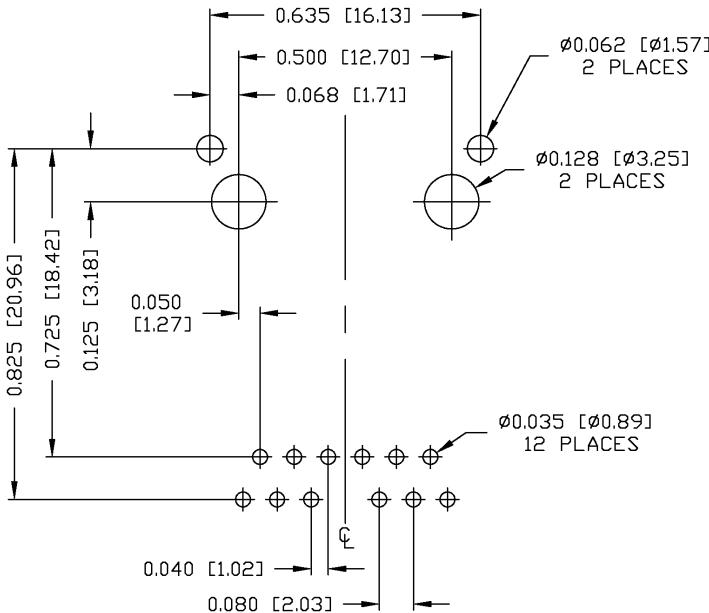


RECOMMENDED PCB FOOTPRINT
 COMPONENT SIDE VIEW

PIN ASSIGNMENT - EACH PORT
 COMPONENT SIDE VIEW

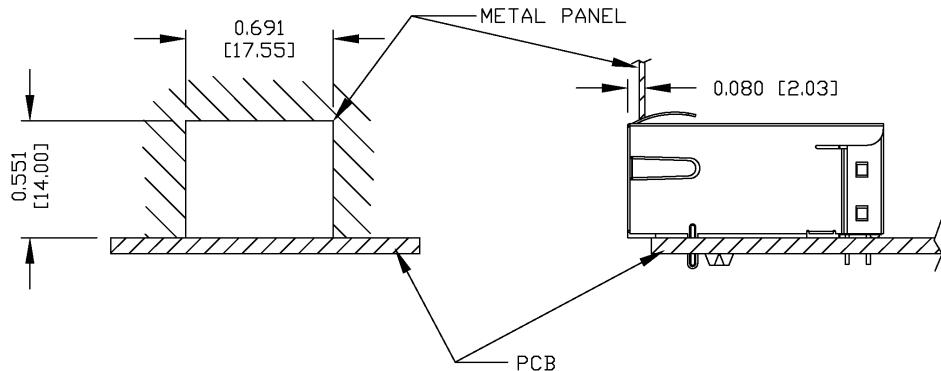


1 2 3 4 5 6
 7 8 9 10 11 12



ORIGINATED BY BILL	DATE 06-02-05	TITLE gigabit MagJack® (12 cores, Tab Down)	PART NO. / DRAWING NO. 08131X1T23-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	<input type="checkbox"/> METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A ±0.010	REV. : A SIZE : A4 PAGE : 4
DRAWN BY LING	DATE 06-02-05	FILE NAME 0813-1X1T-23-F.DWG				

SUGGESTED PANEL OPENING



NOTES:

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-F1(TOP)
0200-9999-F2(BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTER: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY BILL	DATE 06-02-05	TITLE gigabit MagJack® (12 cores, Tab Down)	PART NO. / DRAWING NO. 08131X1T23-F	STANDARD DIM. TOL. IN INCH	<input type="checkbox"/> METRIC DIM. AS REFERENCE
DRAWN BY LING	DATE 06-02-05		FILE NAME 08131X1T23-FA.DWG	.X	UNIT : INCH [mm]
				.XX	REV. : A
				XXX	SCALE : N/A
					SIZE : A4
					PAGE : 5