

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

QCL @ 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)

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

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
-----------------	------------

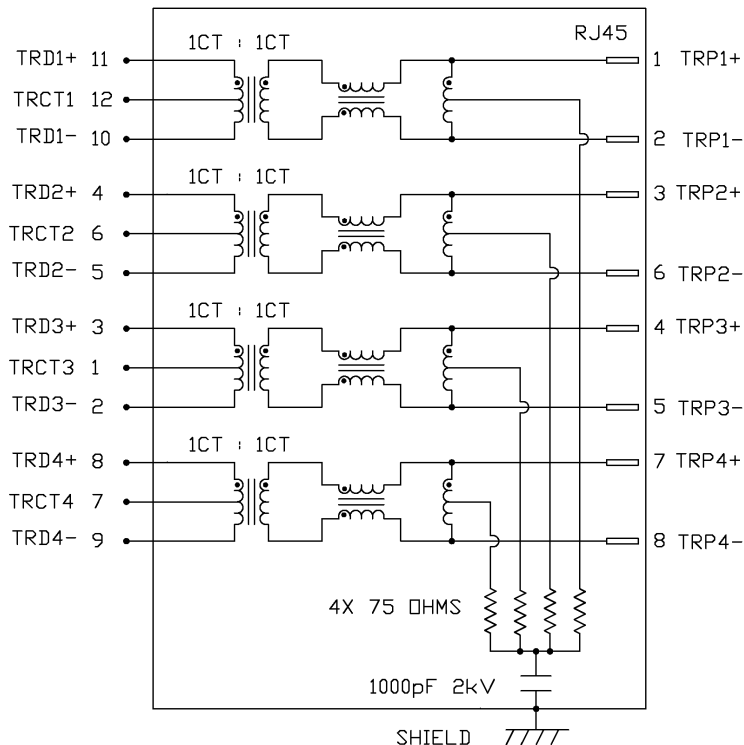
CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
-----------------	------------

HIPOT (Isolation Voltage):

1500 Vrms

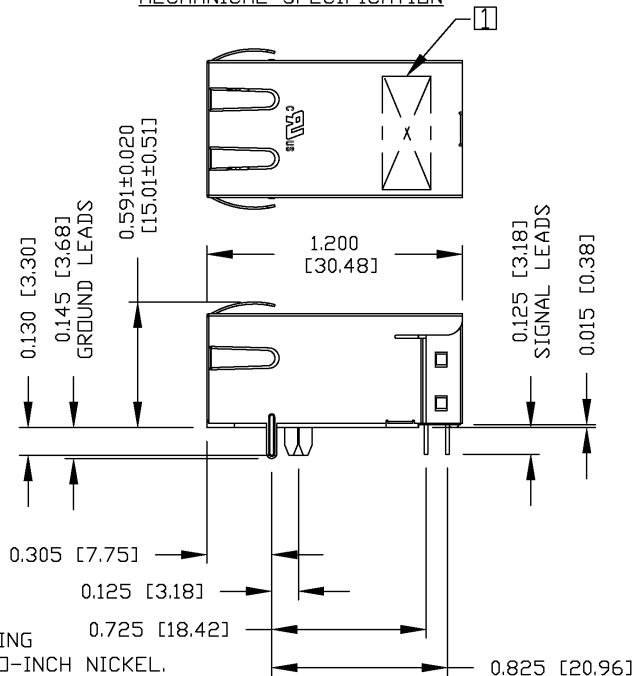
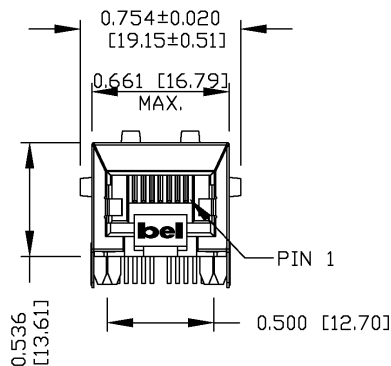
SCHEMATIC



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] REV. : A
DRAWN BY	DATE	FILE NAME		.XX	SCALE : N/A SIZE : A4
DE	06-02-05	0813-1X1T-23-F	08131X1T23-FA.DWG	.XXX	PAGE : 2



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.
TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- OUTPUT PINS: NICKEL OR TIN PLATED ON COPPER ALLOY.
(ALL NICKEL PLATED GROUND LEADS ARE SOLDER DIPPED)
- METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE

c **us** UL RECOGNIZED - FILE #E196366 AND E169987.

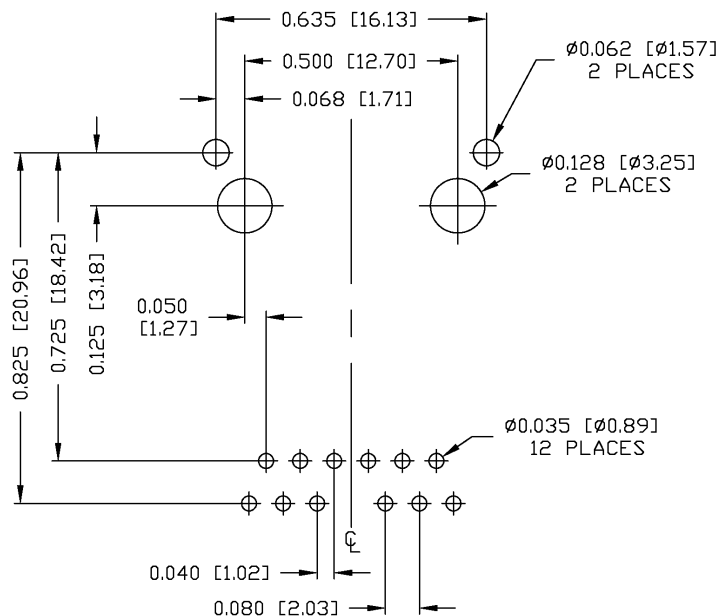
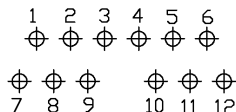
ROHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC

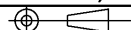
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL	06-02-05	gigabit MagJack® (12 cores, Tab Down)	08131X1T23-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	0813-1X1T-23-F	FILE NAME	.XX	SCALE : N/A	SIZE : A4
LING	06-02-05		08131X1T23-FA.DWG	.XXX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



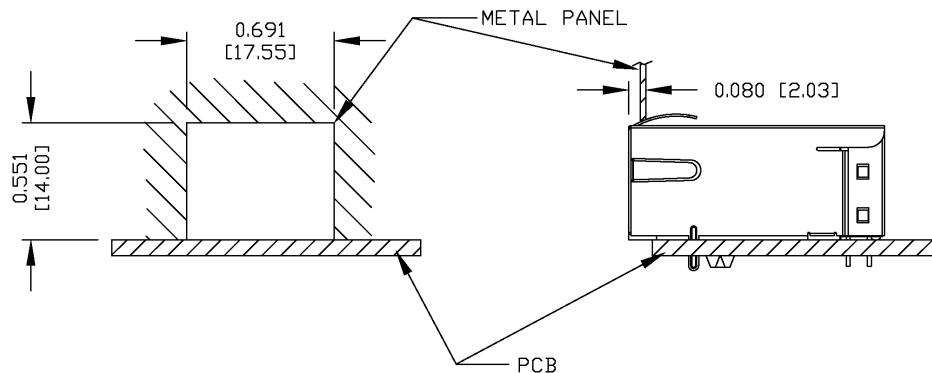
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

PIN ASSIGNMENT - EACH PORT
COMPONENT SIDE VIEW



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

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

NOTES: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BILL	06-02-05	gigabit MagJack® (12 cores, Tab Down) 0813-1X1T-23-F	08131X1T23-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	06-02-05		08131X1T23-FA.DWG	.XXX ±0.005	PAGE : 5