



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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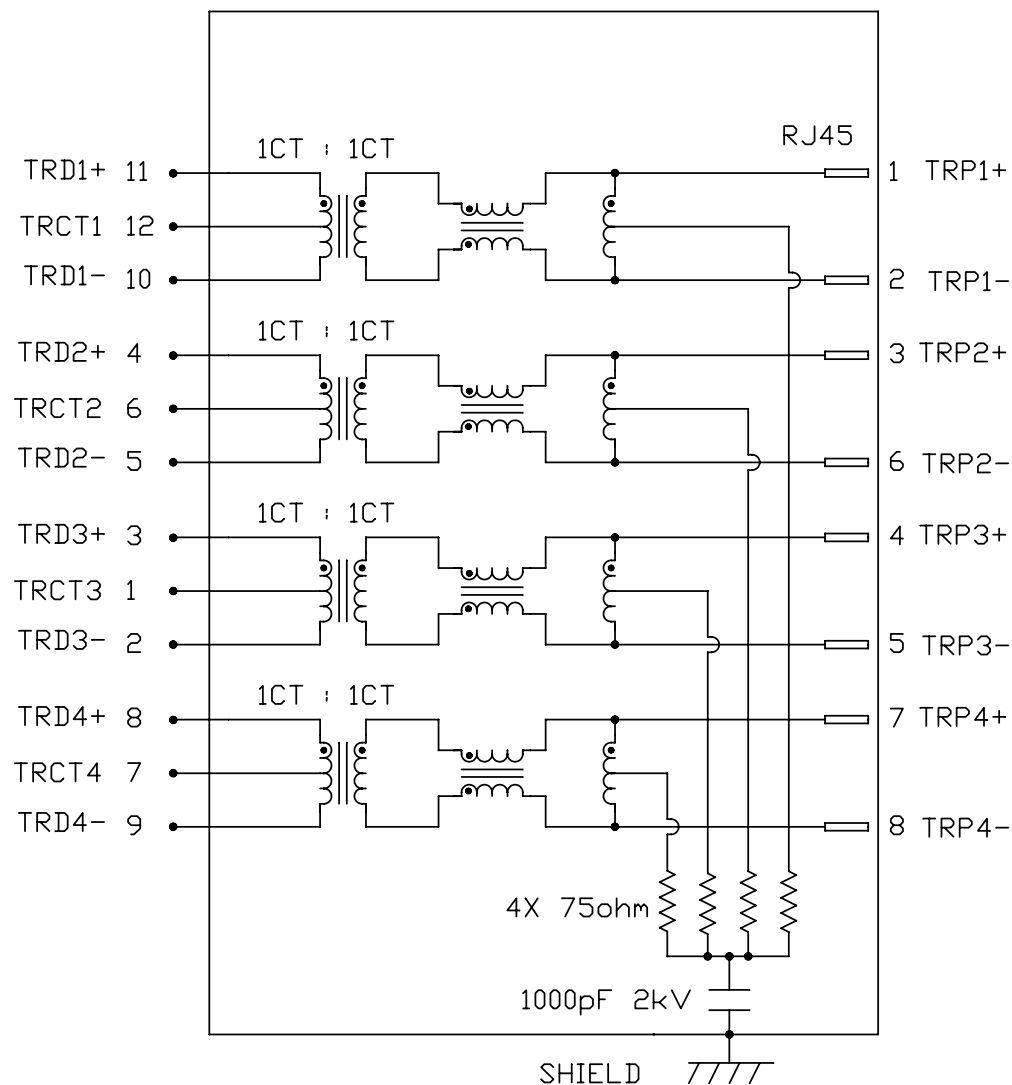
CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

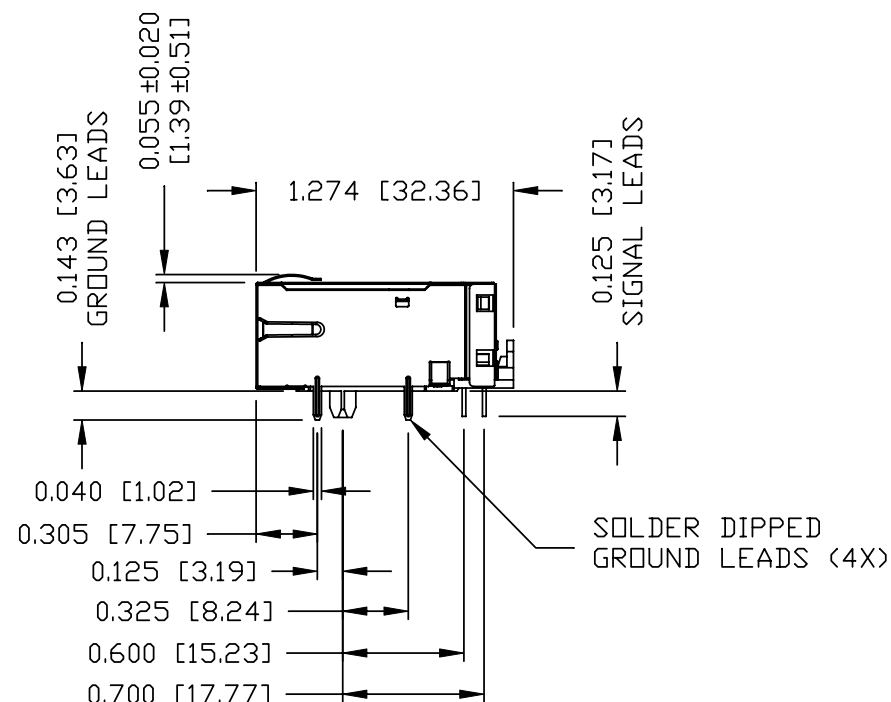
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

SCHEMATIC





ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOU WANGCHUNG	04-12-10	1X2 gigabit MagJack® (TAB-UP WITHOUT LED)	08161X2T23-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	FILE NAME			SCALE : N/A SIZE : A4
LI YONGFENG	04-12-10	08161X2T-23-F PATENTED	08161X2T23-F_A.DWG	.X .XX .XXX	PAGE : 2

RoHS
2002/95/EC

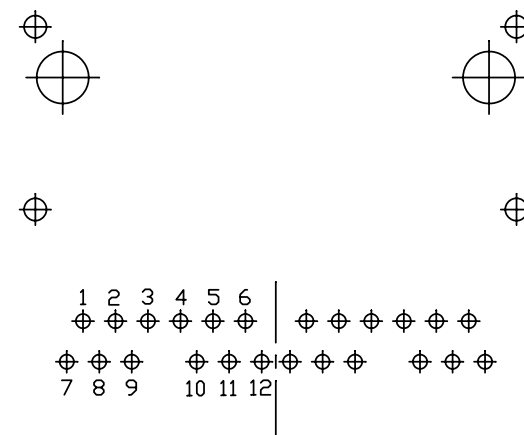


PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 30 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.





ORIGINATED BY	DATE	TITLE 1X2 gigabit MagJack® (TAB-UP WITHOUT LED) 0816-1X2T-23-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	04-12-10		08161X2T23-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	04-12-10		08161X2T23-F_A.DWG	.XX		⊕	PAGE : 3	
			.XXX	±0.010				

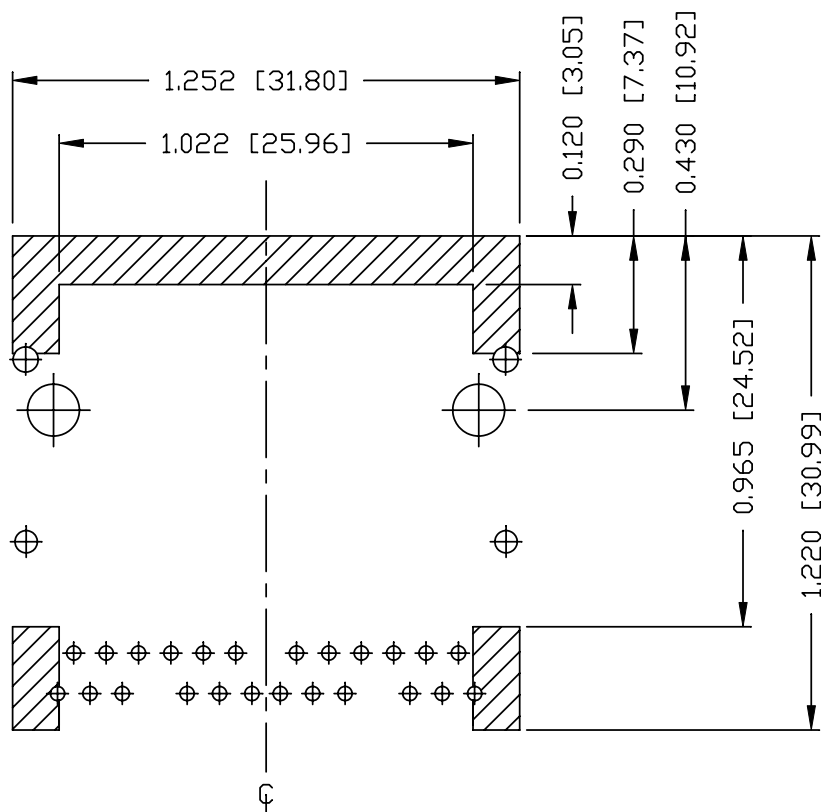
RoHS
2002/95/EC



PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

PORT ASSIGNMENT

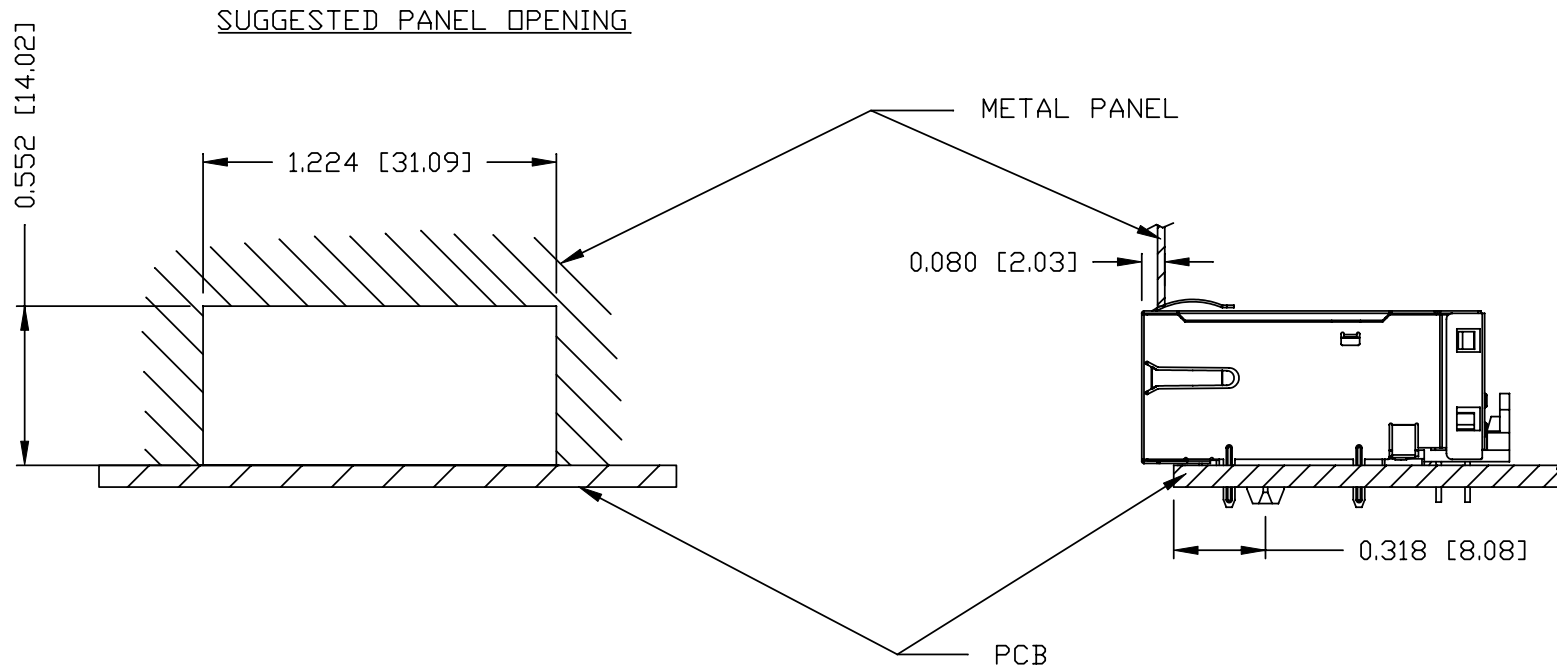
ORIGINATED BY	DATE	TITLE 1X2 gigabit MagJack® (TAB-UP WITHOUT LED) 0816-1X2T-23-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS ON A CONNECTED PLANET 
CHEN BILL	04-12-10		08161X2T23-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	04-12-10		08161X2T23-F_A.DWG	.XX				
			.XXX	±0.004			PAGE : 4	



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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHEN BILL	04-12-10	1X2 gigabit MagJack® (TAB-UP WITHOUT LED) 0816-1X2T-23-F PATENTED	08161X2T23-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	04-12-10		08161X2T23-F_A.DWG	.XXX ±0.004	PAGE : 5



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-I1 (TOP)
0200-9999-I2 (BOTTOM)

PACKING QUANTITY: 49 PCS FINISHED GOODS PER TRAY
7 TRAYS (343 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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XIAN JIAXIN	04-12-10	0816-1X2T-23-F PATENTED	08161X2T23-F_A.DWG	.XX	
				.XXX	±0.004
					PAGE : 6