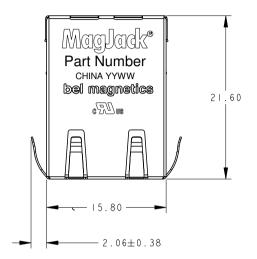
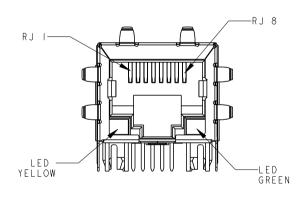
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NOTF:

I. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0

CONTACT: COPPER ALLOY

SHIELD: STAINLESS STEEL, SUS304, 1.27um NICKEL PLATING,

TIN DIPPING ON GROUND PINS

CONTACT PLATING: I.27um MIN. OVERALL NICKEL UNDERPLATE AND SELECTIVE I.27um HARD GOLD PLATING AT MATING AREA

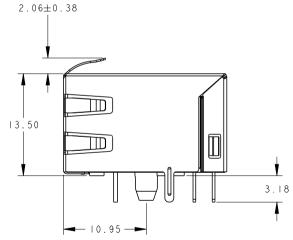
PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
 SEE ELECTRICAL DRAWING FOR OMITTED PINS.

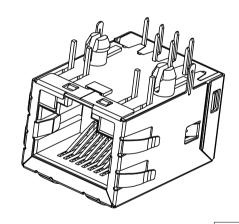
3. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.

4. THE PRODUCT IS ROHS COMPLIANT.

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING:
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

6. THE PART IS RECOMMENDED FOR IR REFLOW:
FOR IR REFLOW, THE SUGGESTED PEAK IR REFLOW CONDITION IS 245°C MAX AND 30 SECONDS MAX.





IR REFLOW (NOTE 6)	P01-0006-02
WAVE (NOTE 5)	P01-0006-01
CUSTOMER SOLDERING	PART NUMBER

RoHS

DRAWN	2023-11-13	TITLE
TOWER YU /	FRANK LIU	
CHECKED	2023-11-13	1
BILL LIU		
APPROVED	2023-11-13	1
TONY YUAN		

DC00X(2)230214

TAB DOWN, SHIELDED EXTENDED TEMPERATURE

DRAWING NO.		OTHERWISE DIM. TOL. :	-	\exists
P01-0006	X.	±0.25	SIZE: A	.4
FILE NAME	.X	±0.25	UNIT: m	m
	.XX	±0.25	SCALE: N	Α
P01-0006.DRW	.XXX	±0.25	PAGE: / 4	REV.:



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ELECTRICAL CHARACTERISTICS @25°C

- I. MAGNETICS
 - -APPLICATION: 10/100 BASE-T, EXTENDED TEMPERATURE
 - -IMPEDANCE: 100 OHMS
 - -TURNS RATIO (CHIP: CABLE): TX=1:1. RX=1:1
 - -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO 85°C. TX AND RX

-PERFORMANCE @ 25°C:

INSERTION LOSS (IL): I.IdB MAX FROM 0.5MHz TO 100MHz

RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz

18-20LOG(f/80)dB MIN FROM 30.IMHz TO 60MHz

12dB MIN FROM 60.IMHz TO 80MHz

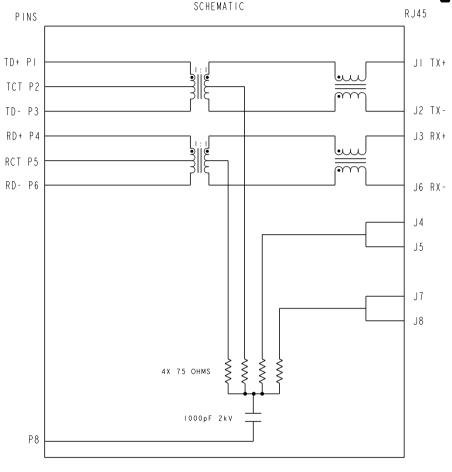
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz

33-20LOG(f/50)dB MIN FROM 40.IMHz TO 100MHz

COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz

-ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

2. OPERATING TEMPERATURE: FROM -40°C TO 85°C

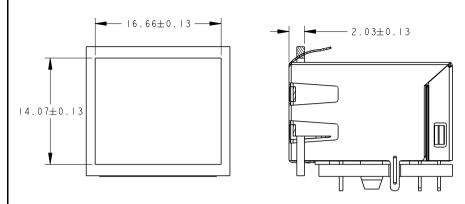


RoHS

NOTES

I.O PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

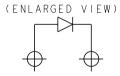
	2023-11-13	TITLE	DRAWING NO.		OTHERWISE DIM. TOL. :	\bigoplus_{\square}	and the	
TOWER YU /		IXI IO/IOOBT MAGJACK	P01-0006	X.	±0.25	SIZE: A4	***	
BILL LIU	2023-11-13	TAB DOWN, SHIELDED	FILE NAME	.X	±0.25	UNIT: mm		MAGNETIC SOLUTIONS
APPROVED	2023-11-13	EXTENDED TEMPERATURE	P01-0006.DRW	.XX	±0.25			
TONY YUAN		EXTERDED TEMPERATORE	101-0000.DKW	.XXX	±0.25	PAGE: REV.:		a bel group
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SUGGESTED PANEL OPENING NOTES:

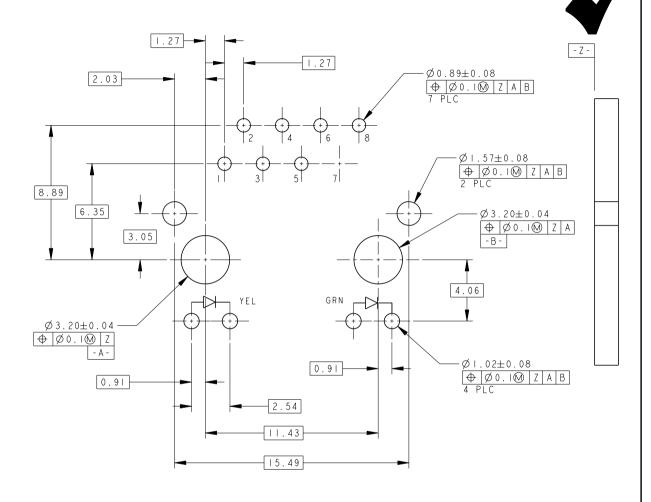
THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

LED POLARITY DETAIL



SINGLE COLOR LED

LED CDECTETON							
LED SPECIFICATION							
STANDARD LED	WAVELENGTH	Forward V (MAX)	*(TYP)				
GREEN	568 nm	2.5 V	2.2 V				
YELLOW	588 nm	2.5 V	2.I V				
*WITH A FORWARD CURRENT OF 20 mA (TYP)							



RoHS

PCB RECOMMENDED HOLE LAYOUT (SEEN FROM COMPONENT SIDE)

DRAWN 2023- -	3 TITLE	DRAWING NO.		OTHERWISE DIM. TOL. :	\bigoplus_{\square}		
TOWER YU / FRANK LIU CHECKED 2023- -	IXI IO/IOOBT MAGJACK	P01-0006	X.	±0.25	SIZE: A4		h
BILL LIU	TAB DOWN, SHIELDED	FILE NAME	.X	±0.25	UNIT: mm		MAGNETIC SOLUTIONS
APPROVED 2023- -	EXTENDED TEMPERATURE	P01-0006.DRW	.XX	±0.25			a bel group
TONY YUAN DC00X(2)230214		document is electronically gene	.XXX	±0.25	3 / 4	<45 v	a bergioup

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	CHANGE HISTORY								
ISSUE	DATE	DESCRIPTION OF CHANGE	REASON	DRAWN	APPROVAL	ECN#			
1	2023-11-13	INITIAL RELEASE	-	TOWER YU	TONY YUAN	-			

Γ	DRAWN	2023-11-13	TITLE
	TOWER YU /	FRANK LIU	
Ī	CHECKED	2023-11-13	
	BILL LIU		
	APPROVED	2023-11-13	
	TONY YUAN		
D	C00X(2)230214	·	

IXI 10/100BT MAGJACK
TAB DOWN, SHIELDED
EXTENDED TEMPERATURE

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FILE NAME	.X	±0.25	UNIT: mm	Ī
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P01-0006.DRW	.XXX	±0.25	PAGE: REV.:	1

