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NOTE:

I. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0

CONTACT: COPPER ALLOY

SHIELD: STAINLESS STEEL, SUS304, I.27um NICKEL PLATING,

TIN DIPPING ON GROUND PINS

CONTACT PLATING: 1.27um MIN. OVERALL NICKEL UNDERPLATE AND

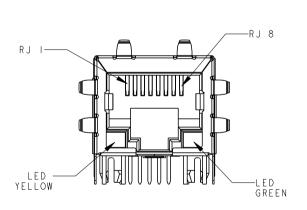
SELECTIVE 1.27um HARD GOLD PLATING AT MATING AREA

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

3. THE PRODUCT IS ROHS COMPLIANT.

4. THE PART IS RECOMMENDED FOR WAVE SOLDERING:

THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.



TITLE

Part Number

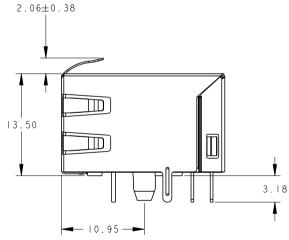
CHINA YYWW

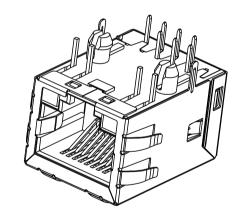
bel magnetics

201 / Ca

— 15.80 -

 2.06 ± 0.38





P01-0002-01

PART NUMBER

DRAWN		2023-11-10
	/	FRANK LIU
CHECKED		2023-11-10
BILL LIU		
APPROVED		2023-11-10

TONY YUAN DC00X(2)230214 IXI 10/100BT MAGJACK TAB DOWN, SHIELDED

21.60

DRAWING NO. UNLESS OTHERWISE NOTED, DIM. TOL. : ±0.25 SIZE: P01-0002 A4 ±0.25 UNIT: mm FILE NAME .XX ±0.25 SCALE: NΑ P01-0002.DRW REV.: .XXX ± 0.25





ELECTRICAL CHARACTERISTICS @25°C

- I. MAGNETICS
 - -APPLICATION: 10/100 BASE-T
 - -IMPEDANCE: 100 OHMS
 - -TURNS RATIO (CHIP:CABLE): TX=I:I, RX=I:I
 - -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,

8mADC BIAS FROM 0°C TO 70°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

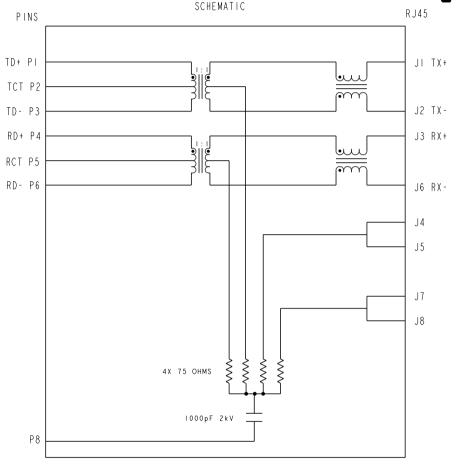
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz

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 0°C TO 70°C

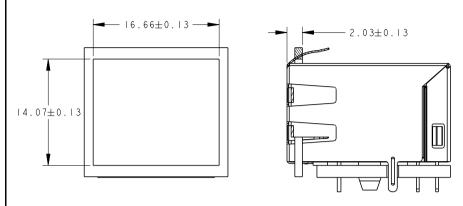


RoHS

NOTES

I.O PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

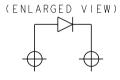
DRAWN	2023 11 10	TITLE	DRAWING NO.		OTHERWISE DIM. TOL. :		against .		
TOWER YU /	/ FRANK LIU 2023-11-10	IXI 10/100BT MAGJACK	P01-0002	Х.	±0.25	SIZE: A4	W. Talk	b 0	
BILL LIU	2023-11-10	TAB DOWN, SHIELDED	FILE NAME	.X	±0.25	UNIT: mm	進〇萬	DEI	MAGNETIC SOLUTIONS
APPROVED	2023-11-10		P01-0002.DRW	.XX	±0.25				
TONY YUAN			F01-0002.DKW	.XXX	±0.25	PAGE: REV.:		a bei group	
DC00X(2)230214		This	document is electronically gene	ated. 1	his is a	controlled copy if us	ed internally		



SUGGESTED PANEL OPENING NOTES:

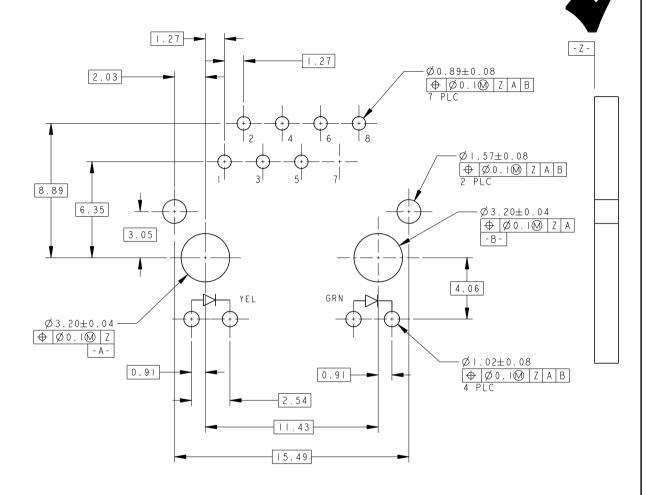
THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

LED POLARITY DETAIL



SINGLE COLOR LED

LED SPECIFICATION					
STANDARD LED	WAVELENGTH	Forward V (MAX)	*(TYP)		
GREEN	568 nm	2.5 V	2.2 V		
YELLOW	588 nm	2.5 V	2.1 V		
*WITH A FORWARD CURRENT OF 20 mA (TYP)					



RoHS

PCB RECOMMENDED HOLE LAYOUT (SEEN FROM COMPONENT SIDE)

DRAWN	2023 11 10	TITLE	DRAWING NO.		OTHERWISE DIM. TOL. :	\oplus	agailer .	
TOWER YU CHECKED	/ FRANK LIU 2023-11-10	IXI 10/100BT MAGJACK	P01-0002	X.	±0.25	SIZE: A4	***	
BILL LIU	2023-11-10	TAB DOWN, SHIELDED	FILE NAME	.X	±0.25	UNIT: mm		MAGNETIC SOLUTIONS
APPROVED	2023-11-10		P01-0002.DRW	.XX	±0.25			
TONY YUAN	N		F 01 - 0002 . DRW	.XXX	±0.25	PAGE: REV.:		a bel group
DC00X(2)230214		This c	locument is electronically gene	ated. T	his is a	controlled copy if use	ed internally	

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CHANGE HISTORY						
ISSUE	DATE	DESCRIPTION OF CHANGE	REASON	DRAWN	APPROVAL	ECN#
1	2023-11-10	INITIAL RELEASE	-	TOWER YU	TONY YUAN	-

DRAWN	2023-11-10	TITLE
TOWER YU	/ FRANK LIU	
CHECKED	2023-11-10	
BILL LIU		
APPROVED	2023-11-10	

TONY YUAN DC00X(2)230214 IXI 10/100BT MAGJACK
TAB DOWN, SHIELDED

DRAWING NO. UNLESS OTHERWISE NOTED, DIM. TOL. : ±0.25 SIZE: P01-0002 **A4** ±0.25 UNIT: mm FILE NAME .XX ±0.25 SCALE: NΑ P01-0002.DRW PAGE: REV.: .XXX±0.25



