

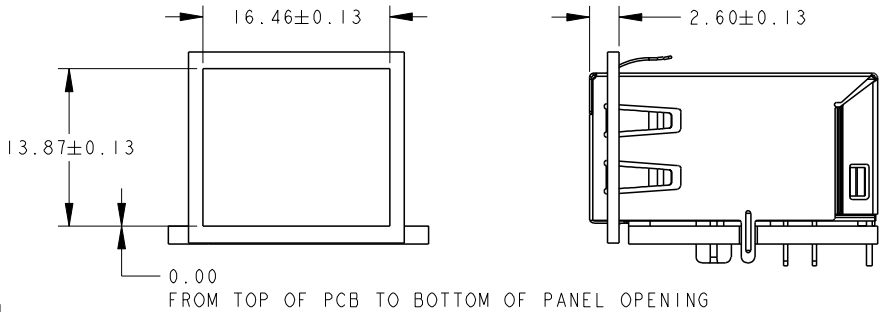
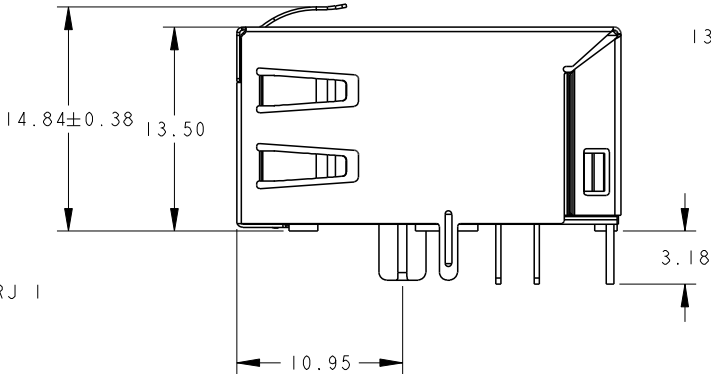
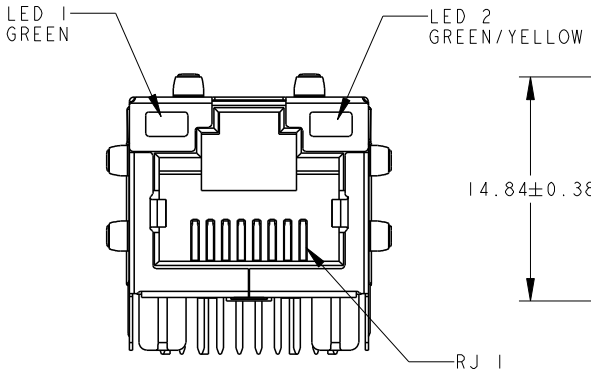
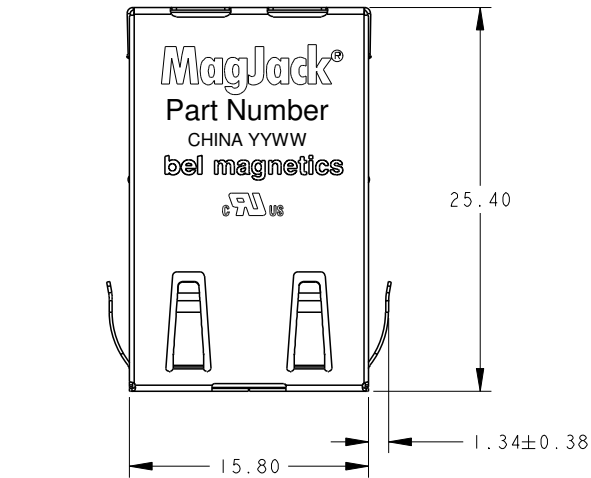
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NOTE:

- 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: 1.27um MIN. OVERALL NICKEL UNDERPLATE AND SELECTIVE 1.27um HARD GOLD PLATING AT MATING AREA
- RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.
- THE PRODUCT IS RoHS COMPLIANT.
- THE PART IS RECOMMENDED FOR IR REFLOW:
FOR IR REFLOW, THE SUGGESTED PEAK IR REFLOW CONDITION IS 245°C MAX AND 30 SECONDS MAX.



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.

GREEN	GREEN	P01-0005-02
GREEN	GRN/YEL	P01-0005-01
LED 1	LED 2	PART NUMBER

DRAWN	2023-11-15
TOWER YU / FRANK LIU	
CHECKED	2023-11-15
BILL LIU	
APPROVED	2023-11-15
TONY YUAN	

TITLE
IXI GIGABIT MAGJACK
TAB UP, SHIELDED
W/LEDS

DRAWING NO.
P01-0005
FILE NAME
P01-0005.DRW

UNLESS OTHERWISE NOTED, DIM. TOL.:			
X.	±0.25	SIZE:	A4
.X	±0.25	UNIT:	mm
.XX	±0.25	SCALE:	NA
.XXX	±0.25	PAGE:	1 / 4
		REV.:	1



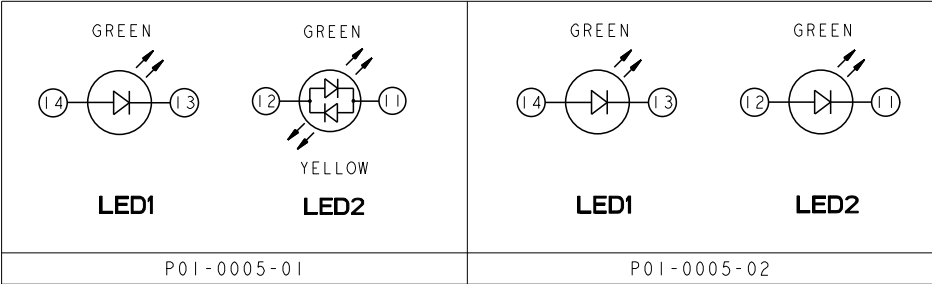
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1. MAGNETICS

- APPLICATION: 10/100/1000 BASE-T
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
- OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
- ALL FOUR PAIRS BI-DIRECTIONAL
- PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 - 12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(f/50)dB MIN FROM 40.1MHz 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

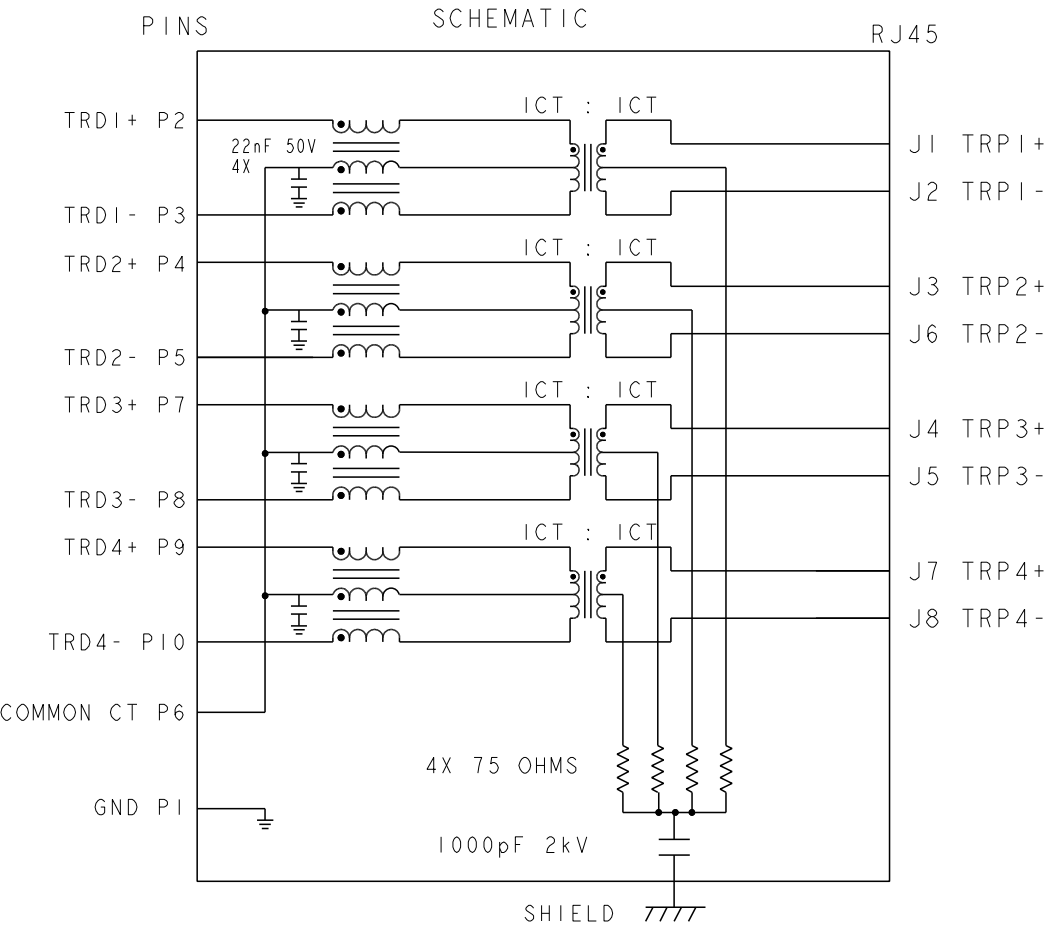
2. OPERATING TEMPERATURE: FROM 0°C TO 70°C

LED POLARITY DETAIL



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)			

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DRAWN	2023-11-15	TITLE IX1 GIGABIT MAGJACK TAB UP, SHIELDED W/LEDS	DRAWING NO.	UNLESS OTHERWISE NOTED, DIM. TOL. :				 bel MAGNETIC SOLUTIONS a bel group
TOWER YU / FRANK LIU			P01-0005	X.	±0.25	SIZE :	A4	
CHECKED	2023-11-15		FILE NAME P01-0005.DRW	.X	±0.25	UNIT :	mm	
BILL LIU				.XX	±0.25	SCALE :	NA	
APPROVED	2023-11-15			.XXX	±0.25	PAGE :	2 / 4	
TONY YUAN								



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CHANGE HISTORY						
ISSUE	DATE	DESCRIPTION OF CHANGE	REASON	DRAWN	APPROVAL	ECN#
1	2023-11-15	INITIAL RELEASE	-	TOWER YU	TONY YUAN	-

DRAWN	2023-11-15
TOWER YU / FRANK LIU	
CHECKED	2023-11-15
BILL LIU	
APPROVED	2023-11-15
TONY YUAN	

TITLE
IXI GIGABIT MAGJACK TAB UP, SHIELDED W/LEDS

DRAWING NO.
P01-0005
FILE NAME
P01-0005.DRW

UNLESS OTHERWISE NOTED, DIM. TOL. :			
X.	±0.25	SIZE :	A4
.X	±0.25	UNIT :	mm
.XX	±0.25	SCALE :	NA
.XXX	±0.25	PAGE : 4 / 4	REV. : 1



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