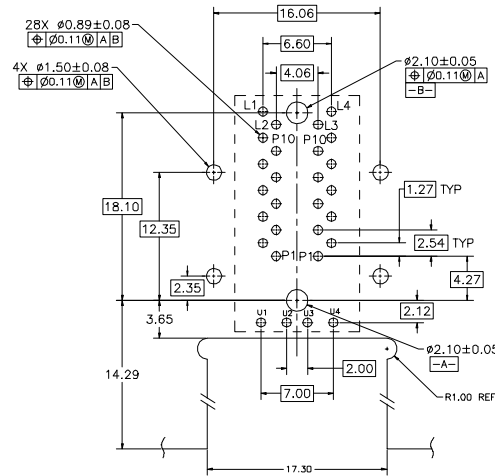
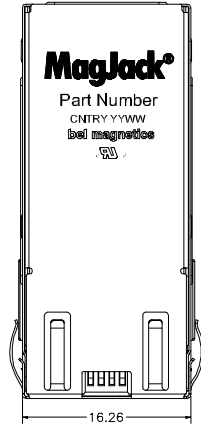
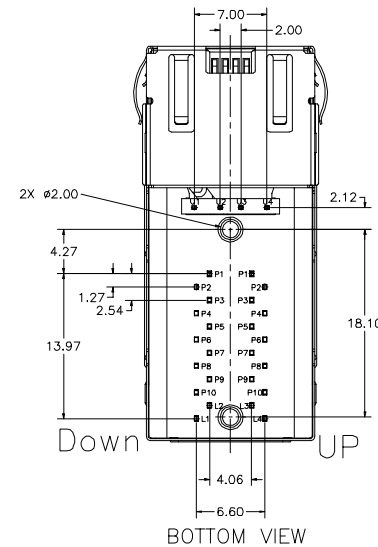
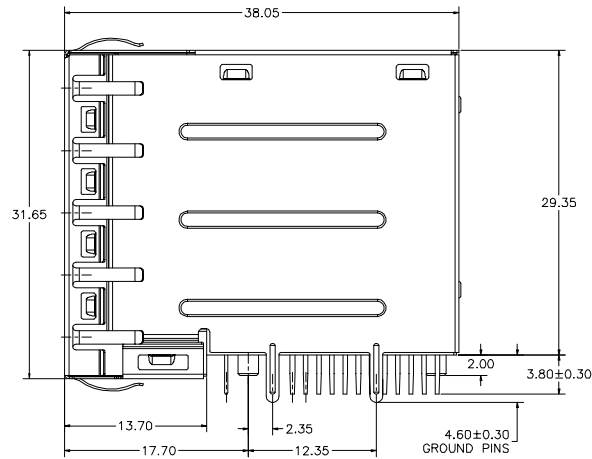
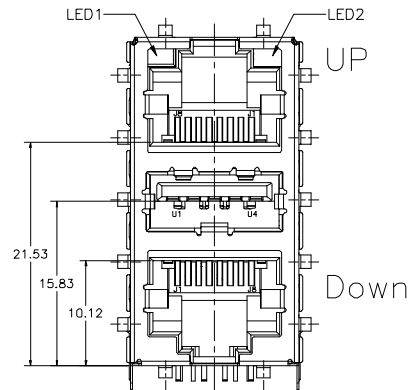


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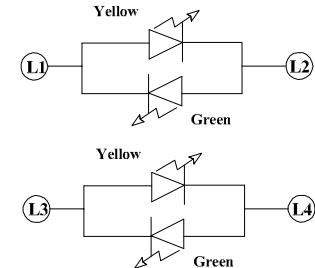
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SUGGESTED CUSTOMER BOARD LAYOUT



BOTTOM VIEW



LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX.)	*(TYP)
GREEN	565 nm	2.5V	2.2V
YELLOW	590 nm	2.5V	2.1V

*WITH A FORWARD CURRENT OF 20mA (TYP)

NOTES:

Material:

1. Housing Material : THERMOPLASTIC (BLACK COLOR)
2. Contact Mateial : Phosphor Bronze T=0.35mm
3. Plating:: Contact Area- Selection Gold Plating 30U".
4. Shield : Copper Alloy(OR STEEL ALLOY) 0.20mm Thickness Plating Ni.
5. LED : Option.

Feature:

1. RJ45 10/1000Base-Tx Transformer Jack With Transformer /Impedance Resistor/High Voltage Capacitor.
2. Designed To Meet IEEE 802.3ab Requirement.
3. Designed For 1000 Base Transmission over UTP-5 Cable.
4. Operation Temprature Range: 0° C To 70° C

Mechanical:

1. Operating Life: 1000 Cycles Min.
2. PCB Retention Pre-Solder: 1 Lb Min.

Environmental:

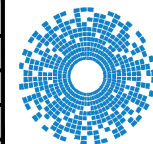
1. Mates With Modular Plug Conforming To Fcc Part 68, Subpart F.

DRAWN 24Apr2024
JARRY YE / FRANK LIU
CHECKED 24Apr2024
BILL LIU
APPROVED 24Apr2024
TONY YUAN

TITLE
GIGABIT MagJack ®
(WITH LED)
TAB UP

DRAWING NO.
P01-9CD0
FILE NAME
P01-9CD0_2.DWG

UNLESS OTHERWISE NOTED, TOL:		SIZE: A4	
X.	±0.38	UNIT:	mm
.X	±0.38	SCALE:	N/A
.XX	±0.25	PAGE:	1/3
.XXX	±0.13	REV.:	1



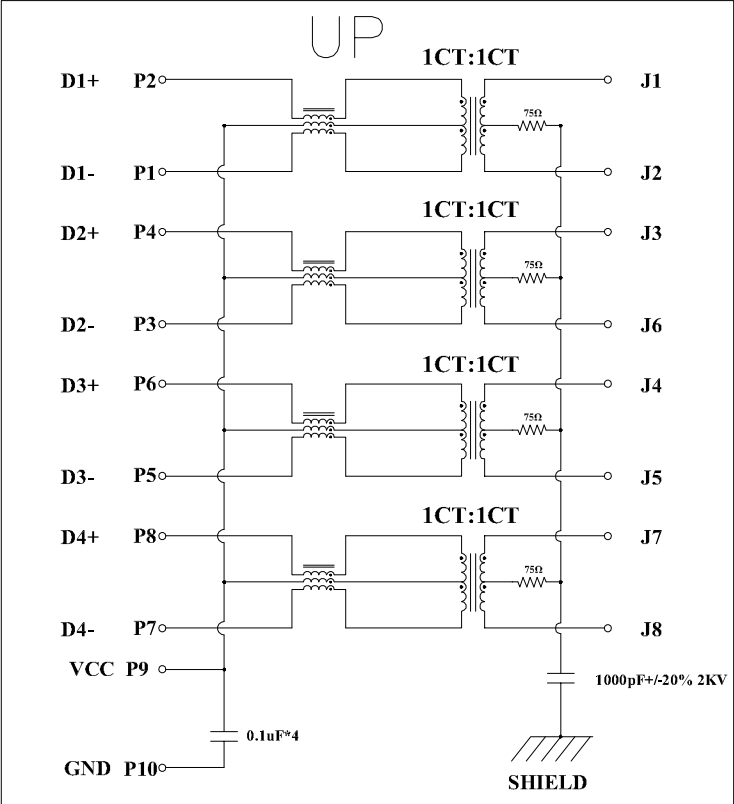
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P01-9CD0-01
PART NUMBER

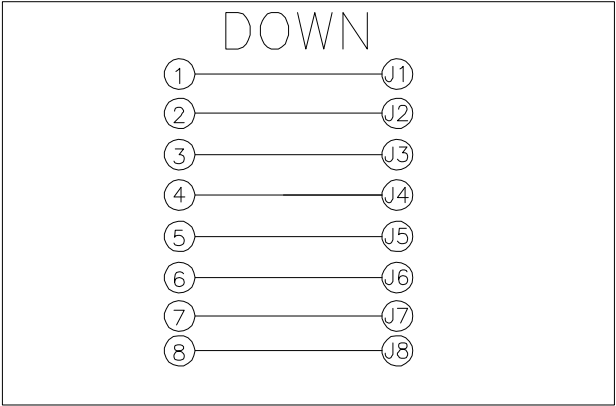
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Electrical Specification @ 25 C °

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PARAMETER	SPECIFICATIONS	
URNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS (DATA CHANNELS)	100 KHz–125MHz	
	1.2 dB MAX	
RETURN LOSS (Z OUT=100 OHM ±1%)	0.5–40 MHz	40 MHz–100 MHz
	18 dB MIN	12+20LOG(f/80)dB MIN
CROSS TALK LOSS	1–40 MHz	1–100 MHz
	35 dB MIN	33–20LOG(f/50)dB MIN
COMMON MODE REJECTION RATIO	1–100 MHz	
	30 dB MIN	
INDUCTANCE (OCL)	350 uH MIN @ 100 KHz, 100 mV,8mA DC BIAS	
HIPOT–OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS	



DRAWN	24Apr2024
JARRY YE / FRANK LIU	
CHECKED	24Apr2024
BILL LIU	
APPROVED	24Apr2024
TONY YUAN	

TITLE
GIGABIT MagJack ®
(WITH LED)
TAB UP

DRAWING NO.
P01–9CDO
FILE NAME
P01–9CDO_2.DWG

UNLESS OTHERWISE NOTED, TOL:			
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.XXX	±0.13	PAGE: 2/3	REV.: 1



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CHANGE HISTORY						
ISSUE	DATE	DESCRIPTIN OF CHANGE	REASON	DRAWN	APPROVAL	ECN#
1	24Apr2024	—	INITIAL RELEASE	JARRY YE	TONY YUAN	—
2	10Dec2025	ADD SOME DIMENSIONS	CUSTOMER REQUEST	TOWER YU	TONY YUAN	

DRAWN JARRY YE / FRANK LIU	24Apr2024	TITLE GIGABIT MagJack ® (WITH LED) TAB UP	DRAWING NO. P01-9CD0	UNLESS OTHERWISE NOTED, TOL:			
CHECKED BILL LIU	24Apr2024		FILE NAME P01-9CD0_2.DWG	X.	±0.38	SIZE:	A4
				.X	±0.38	UNIT:	mm
				.XX	±0.25	SCALE:	N/A
APPROVED TONY YUAN	24Apr2024			.XXX	±0.13	PAGE: 3/3	REV.: 1



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