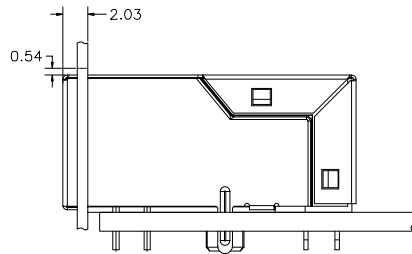
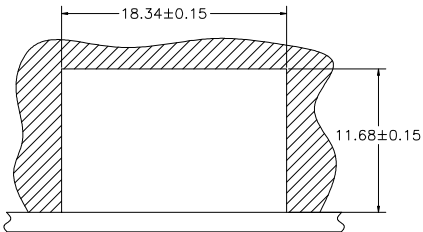
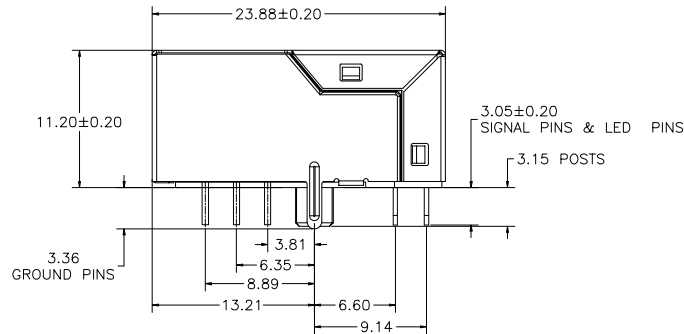
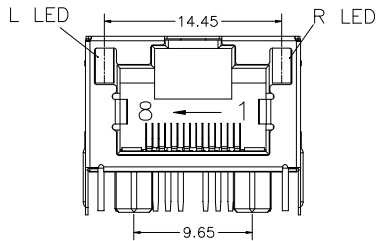
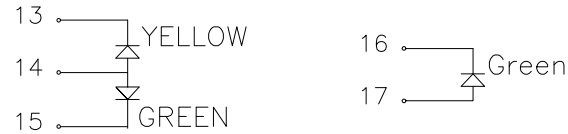
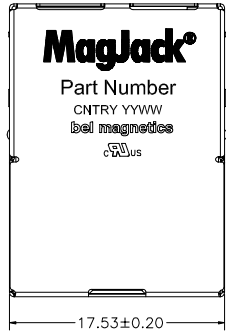


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Additional Resources: [Product Page](#) [3D Model](#) [Technical Documentation](#)



NOTES:

Material:

1. Housing Material : THERMOPLASTIC UL94V-0 (BLACK COLOR)
2. Contact Mateial : Phosphor Bronze T=0.35mm
3. Plating:: Contact Area- Selection Gold Plating 6U".
4. Shield : Copper Alloy OR Stainless Steel 0.20mm Thickness Plating Ni .
5. LED : Option.

Feature:

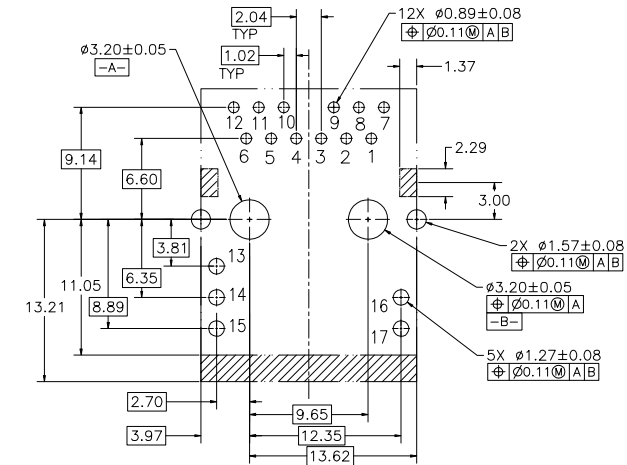
1. RJ45 10/1000Base-Tx Transformer Jack With Transformer /Impedance Resistor/High Voltage Capacitor.
2. Designed To Meet IEEE 802.3z Requirement.
3. Designed For 1000 Base Transmission over UTP-7 Cable.
4. Operation Temprature Range: -40° C To +85° C

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.



SUGGESTED CUSTOMER BOARD LAYOUT

P01-1CA1-01

PART NUMBER

DRAWN 24Apr2024
JARRY YE / FRANK LIU

CHECKED 24Apr2024
BILL LIU

APPROVED 24Apr2024
TONY YUAN

TITLE

Gigabit MagJack®
(WITH LED)
PATENTED

DRAWING NO.

P01-1CA1

FILE NAME

P01-1CA1_1.DWG

UNLESS OTHERWISE NOTED, TOL:

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



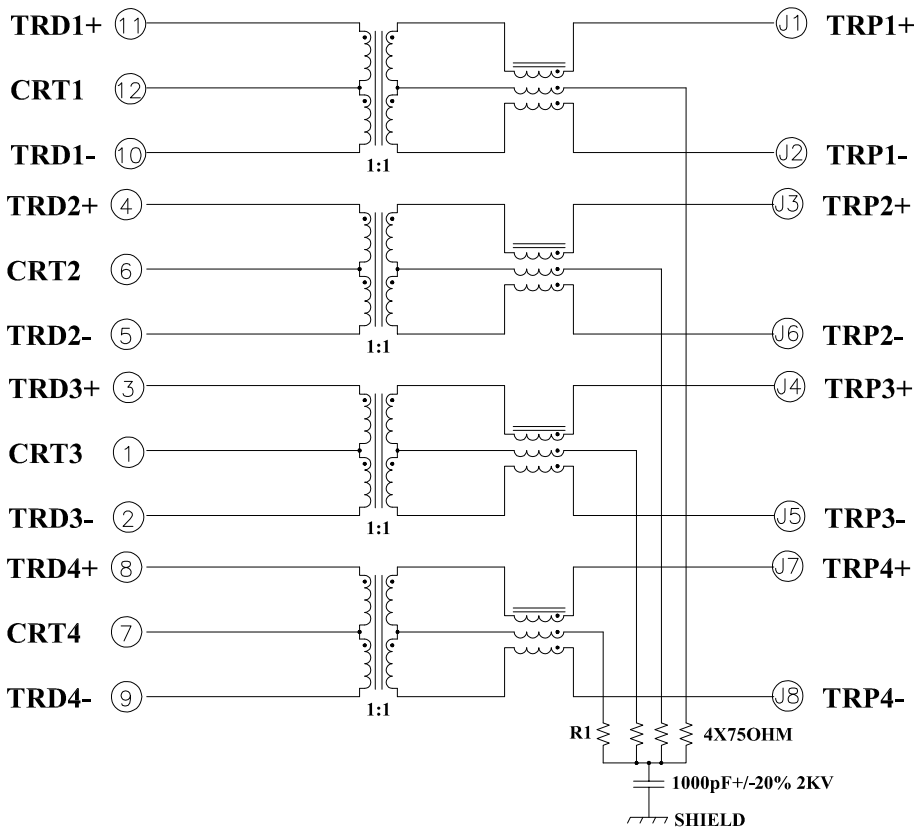
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Electrical Specification @ 25 °C

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/80MHz)dB
CROSS TALK LOSS	1-40 MHz	40-100 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)
PATENTED

DRAWING NO.
P01-1CA1
FILE NAME
P01-1CA1_1.DWG

UNLESS OTHERWISE NOTED, TOL:			
X.	±0.38	SIZE:	A4
.X	±0.38	UNIT:	mm
.XX	±0.25	SCALE:	N/A
.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	—

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

TITLE
Gigabit MagJack [®]
(WITH LED)
PATENTED

DRAWING NO.
P01-1CA1
FILE NAME
P01-1CA1_1.DWG

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



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