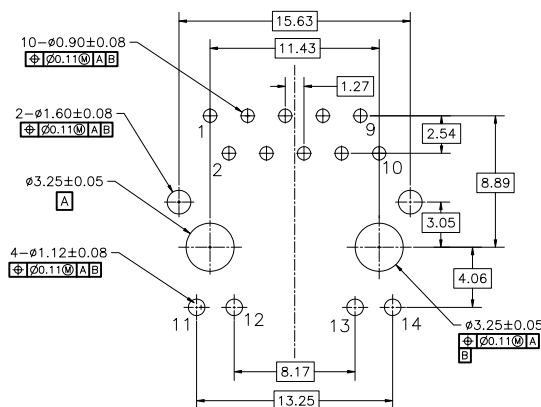
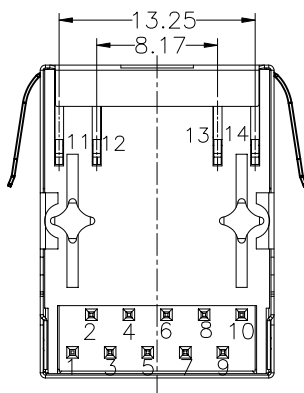
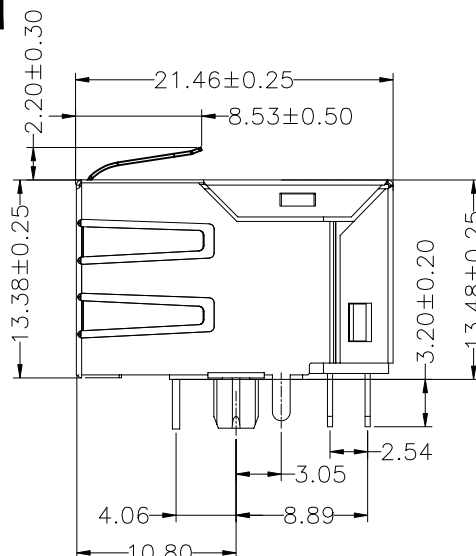
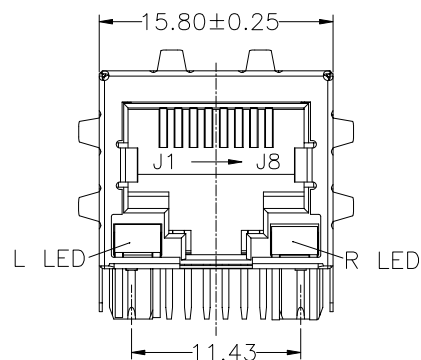
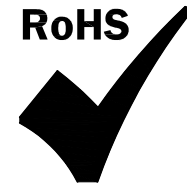


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NOTES:

Material:

1. Housing Material : Glass Filled Polyester UL94V-0.
2. Contact Mateial : Phosphor Bronze t=0.35mm.
3. Plating : Contact Area- Selective 50u" Gold Plating.
4. Shield : Copper Alloy 0.20mm Thickness Plating Ni .
5. LED : Option.

Feature:

1. RJ45 10/100/1000 Base-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 Temperature Range: 0°C To+70°C.

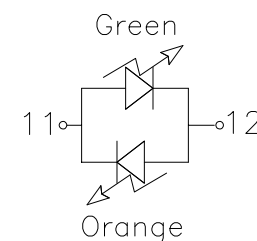
Mechanical:

1. Operating Life : 750 Cycles Min.
2. Pcb Retention Pre-Solder : 1 Lb Min.

Environmental:

1. Storage : -40°C To+85°C.

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



SUGGESTED CUSTOMER BOARD LAYOUT

P01-1CC0-01
PART NUMBER

DRAWN 15Mar2024
TOWER YU / FRANK LIU

CHECKED 15Mar2024
BILL LIU

APPROVED 15Mar2024
TONY YUAN

TITLE

Gigabit MagJack[®]
(WITHT LED)
PATENTED

DRAWING NO.

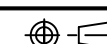
P01-1CC0

FILE NAME

P01-1CC0_2.DWG

UNLESS OTHERWISE NOTED, TOL:

.X	±0.38
.X	±0.38
.XX	±0.25
.XXX	±0.13



SIZE:	A4
UNIT:	mm
SCALE:	N/A
PAGE: 1/3	REV.: 2



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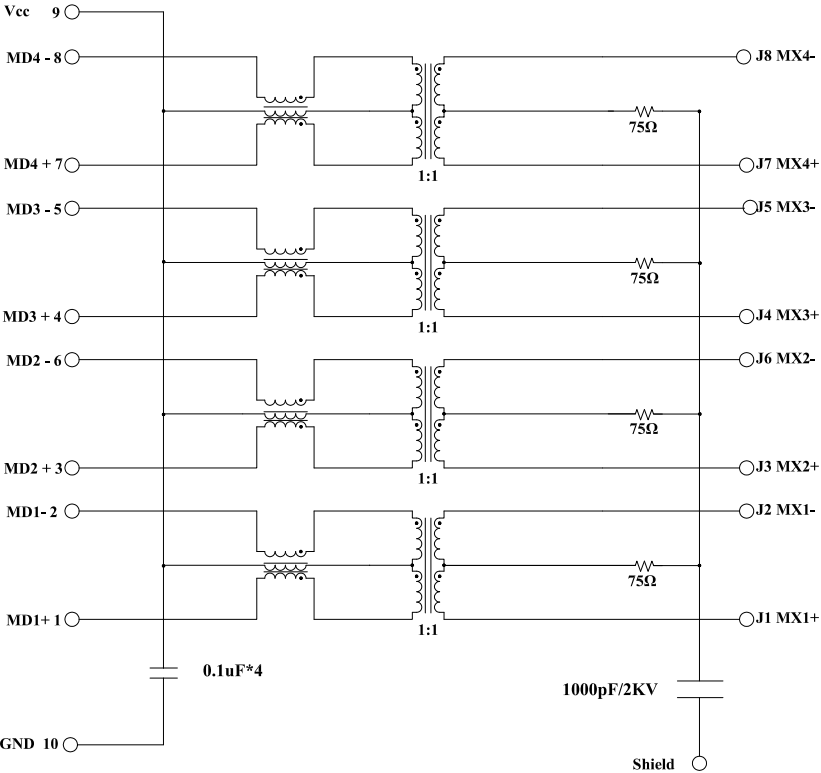
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Schematic

PHY SIDE



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	1-100 MHz	
	-30 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	15Mar2024
TOWER YU / FRANK LIU	
CHECKED	15Mar2024
BILL LIU	
APPROVED	15Mar2024
TONY YUAN	

TITLE
Gigabit MagJack ®
(WITHT LED)
PATENTED

DRAWING NO.
P01-1CC0

FILE NAME
P01-1CC0_2.DWG

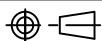
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.X

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SIZE:

A4

UNIT:

mm

SCALE:

N/A

PAGE:

2/3

REV.:

2



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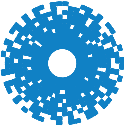
CHANGE HISTORY						
ISSUE	DATE	DESCRIPTIN OF CHANGE	REASON	DRAWN	APPROVAL	ECN#
1	15MAR2024	—	INITIAL RELEASE	TOWER YU	TONY YUAN	—
2	01APR2024	Page 1: change 10.54 to 10.80; change 21.16 to 21.46	PRODUCT IMPROVE	TOWER YU	TONY YUAN	—

DRAWN	15Mar2024
TOWER YU / FRANK LIU	
CHECKED	15Mar2024
BILL LIU	
APPROVED	15Mar2024
TONY YUAN	

TITLE	Gigabit MagJack [®] (WITHT LED) PATENTED
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DRAWING NO.	P01-1CC0
FILE NAME	P01-1CC0_2.DWG

UNLESS OTHERWISE NOTED, TOL:			
X.		SIZE:	A4
.X		UNIT:	mm
.XX		SCALE:	N/A
.XXX		PAGE: 3/3	REV.: 2



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