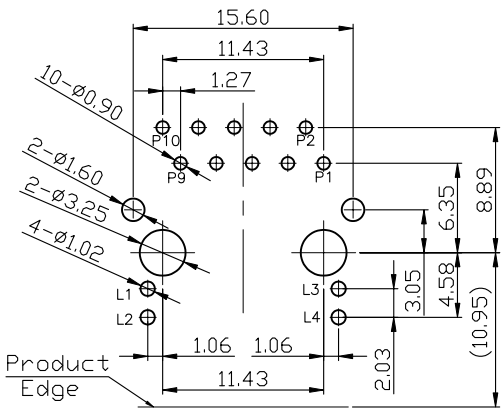
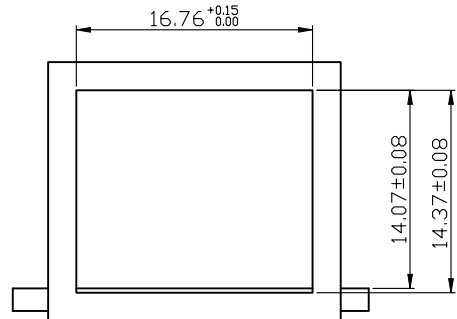
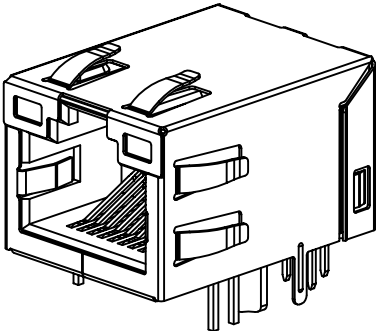
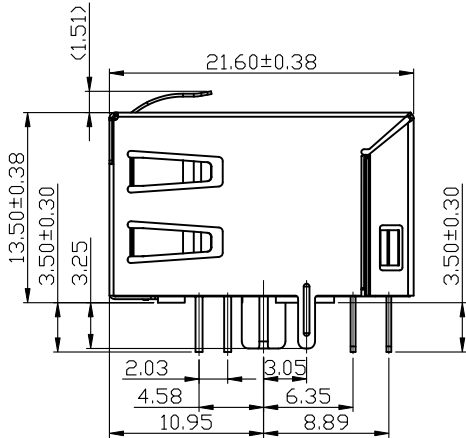
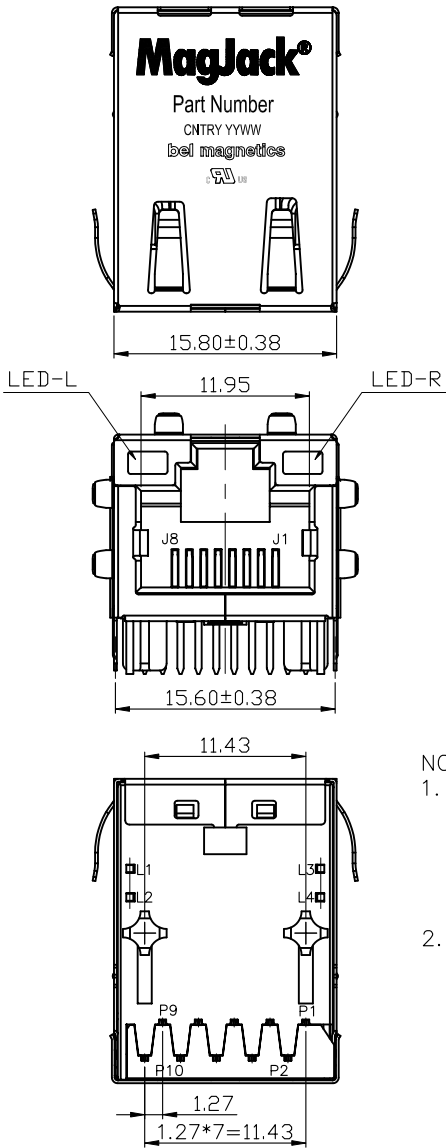


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RoHS



Recommended PCB Layout
(Tol: ±0.05, T=1.60±0.15mm)



- NOTE:
- MATERIAL:
 - HOUSING: LCP UL94V-0 BLACK
 - INSULATOR: LCP UL94V-0 BLACK
 - RJ CONTACT: PHOSPHOR BRONZE ,THICKNESS:0.30mm
 - SOLDER LEAD: BRASS C2680,THICKNESS:0.35mm
 - SHIELD: SUS304 THICKNESS:0.20mm
 - FINISH:
 - RJ CONTACT: 30u" GOLD MIN. PLATED ON CONTACT AREA ; 100u" Tin MIN. PLATED ON SOLDER TAIL AREA; UNDERPLATING 50u" Ni MIN. OVERALL
 - SOLDER LEAD:100u" Tin MIN. PLATED over 50u" Ni MIN. OVERALL
 - SHELL: 50u" MIN. Ni PLATED OVERALL

P01-1CB0-01
PART NUMBER

DRAWN	2024-04-01
TOWER YU / FRANK LIU	
CHECKED	2024-04-01
BILL LIU	
APPROVED	2024-04-01
TONY YUAN	

TITLE
Gigabit MagJack®
(WITHT LED)
PATENTED

DRAWING NO.
P01-1CB0
FILE NAME
P01-1CB0_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

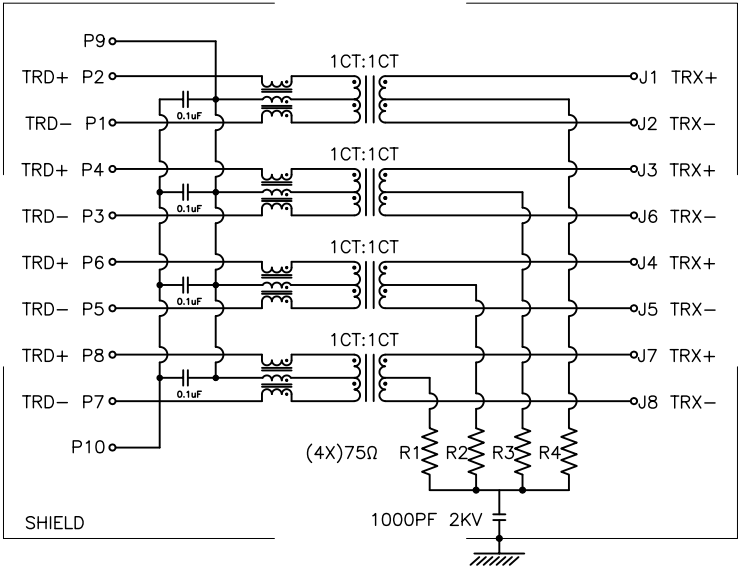


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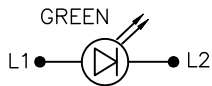
RoHS



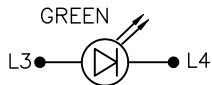
SCHEMATICS



- SPECIFICATIONS:
- 1.1G BASE-T Ethernet Application;
 - 2.Meets IEEE 802.3 & ANSI X 3.263 Standards;
 - 3.IR Reflow Soldering Temperature:260°C±5°C;
 - 4.Operation Temperature: -40°C to +85°C;
Storage Temperature: -40°C to +85°C;
 - 5.Insertion Force With The Latch Depressed: 22N Max.;
Removal Force With The Latch Depressed: 44N Max.;
Durability: 750 Cycles;
 - 6.Transmitter Filter & Receiver Filter:
Insertion Loss: 0.5~100MHz -1.1dB Max.;
Return Loss: 0.5~40MHz -18dB Min. ;
40~100MHz 12-20*LOG(f/80)dB Min. ;
 - 7.Cross Talk: 0.5~40 MHz -35dB Min.;
40~100MHz 33-20*LOG(f/50)dB Min. ;
 - 8.Comm Mode Rejection: @0.5~100 MHz -30dB Min.;
 - 9.Inductance: @100 KHz, 0.1V, 8mA DC BIAS, 350uH Min.;
 - 10.HiPot Test:
Input To Output: 2250V Dc @60S;



LED-L



LED-R

STANDARD LED COLOR	WAVELENGTH	FORWARD(A)	FORWARD(V)
GREEN	565nm	20mA	1.7~2.6V
YELLOW	585nm	20mA	1.7~2.6V

DRAWN	2024-04-01
TOWER YU / FRANK LIU	
CHECKED	2024-04-01
BILL LIU	
APPROVED	2024-04-01
TONY YUAN	

TITLE
Gigabit MagJack®
(WITHT LED)
PATENTED

DRAWING NO.
P01-1CB0

FILE NAME
P01-1CB0_1.DWG

UNLESS OTHERWISE
NOTED, TOL:

X.
.X
.XX
.XXX



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



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RoHS



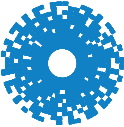
CHANGE HISTORY						
ISSUE	DATE	DESCRIPTIN OF CHANGE	REASON	DRAWN	APPROVAL	ECN#
1	01ARP2024	—	INITIAL RELEASE	TOWER YU	TONY YUAN	—

DRAWN	2024-04-01
TOWER YU / FRANK LIU	
CHECKED	2024-04-01
BILL LIU	
APPROVED	2024-04-01
TONY YUAN	

TITLE	Gigabit MagJack® (WITHT LED) PATENTED
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DRAWING NO.	P01-1CB0
FILE NAME	P01-1CB0_1.DWG

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



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MAGNETIC SOLUTIONS