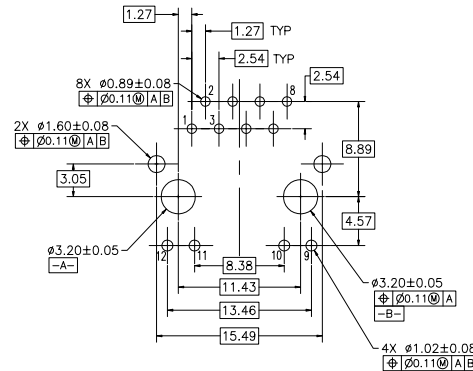
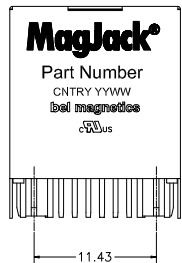
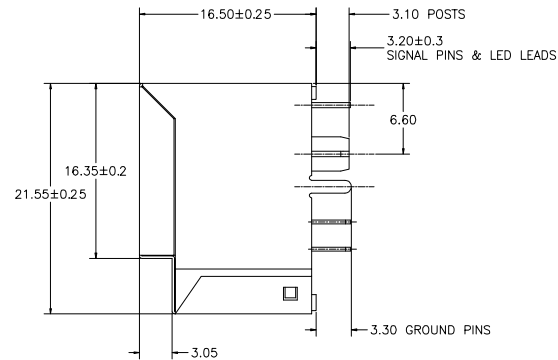
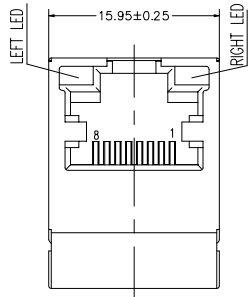


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



SUGGESTED CUSTOMER BOARD LAYOUT

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 0.20mm Thickness Plating Ni .

Feature:

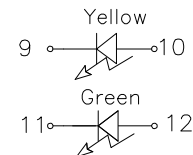
1. RJ45 10/100Base-Tx Transformer Jack With Transformer /Impedance Resistor/High Voltage Capacitor.
2. Designed To Meet IEEE 802.3z Requirement.
3. Designed For 100 Base Transmission over UTP-5 Cable.
4. Operation Temprature Range: 0° C To 70° C

Mechanical:

1. Operating Life: 1000 Cycles Min.
2. PCB Retention Pre-Solder: 1 Lb Min.
3. Harmful material control follow RoHS

Environmental:

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



LED ELECTRIC CHARACTERISTIC			
NODE		COLOR	
9(+)	10(-)	9 → 10	GREEN
11(+)	12(-)	11 → 12	YELLOW

P01-1AF2-01

PART NUMBER

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

TITLE
10/100 BT MagJack®
(WITH LED)
PATENTED

DRAWING NO.
P01-1AF2

FILE NAME
P01-1AF2_1.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.:	1

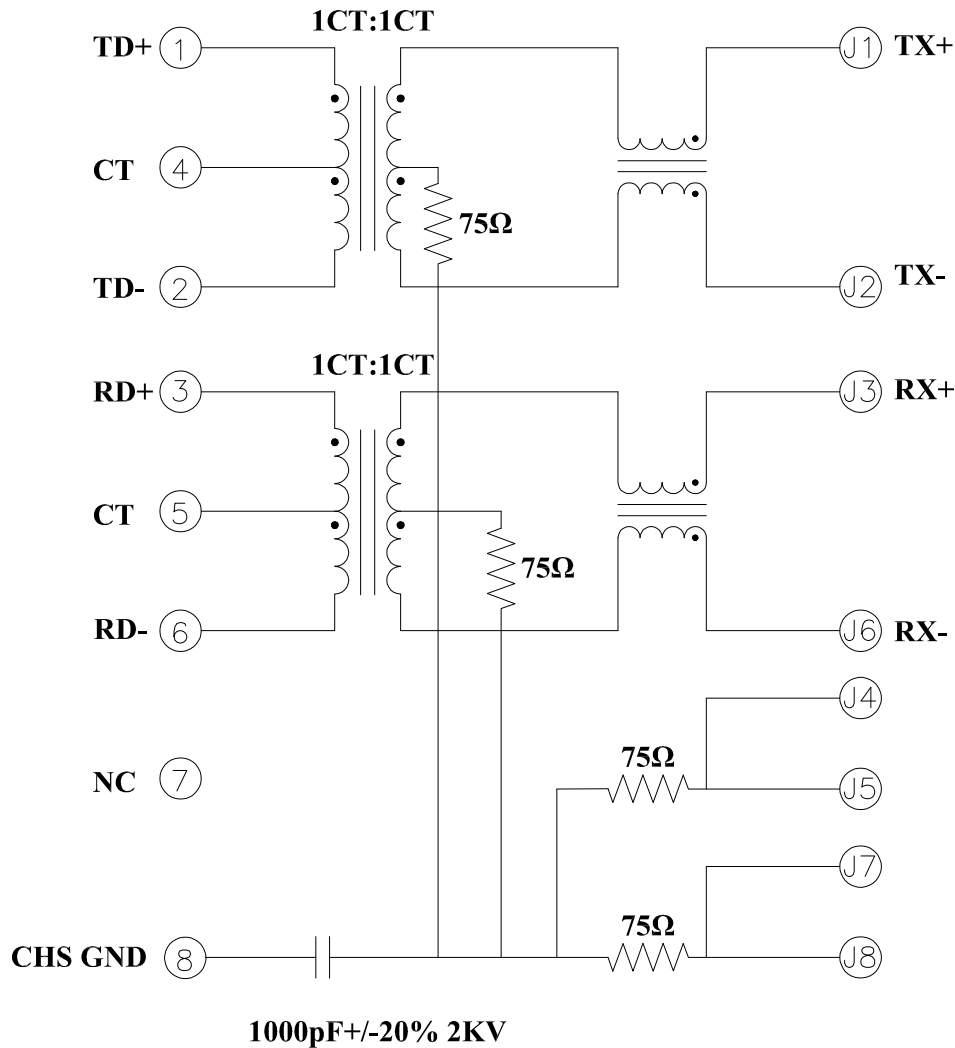


This document is electronically generated. This is a controlled copy if used internally

Please read our datasheet & drawing disclaimer [here](#).

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



Electrical Specification @ 25°C

PARAMETER	SPECIFICATIONS
URNS RATIO	1.00 +/− 2%
POLARITY	PER SCHEMATIC
INSERTION LOSS (DATA CHANNELS)	1MHz–100MHz
	1.2 dB MAX
RETURN LOSS T=100 OHM ±1	1MHz–60 MHz
	60 MHz–100 MHz
CROSS TALK LOSS	16 dB MIN
	12dB 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
10/100 BT MagJack ®
(WITH LED)
PATENTED

DRAWING NO.	P01–1AF2
FILE NAME	P01–1AF2_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



bel MAGNETIC SOLUTIONS
a bel group

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



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
10/100 BT MagJack® (WITH LED) PATENTED

DRAWING NO.
P01-1AF2
FILE NAME
P01-1AF2_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



bel
a bel group

MAGNETIC SOLUTIONS