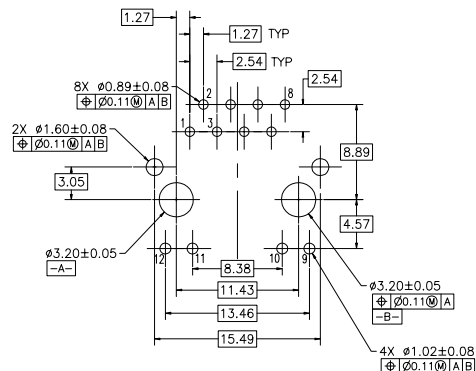
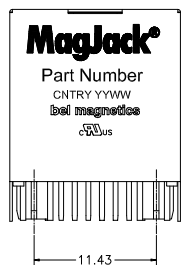
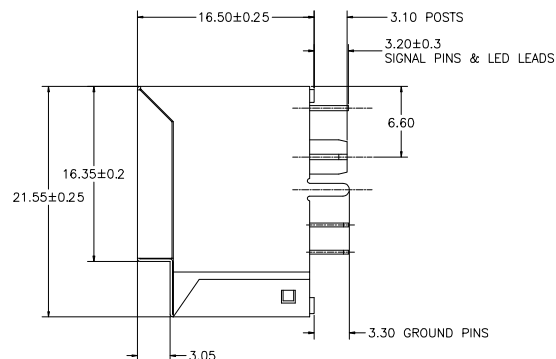
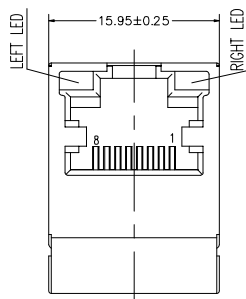


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RoHS



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:

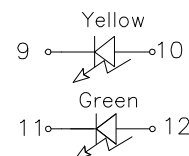
1. RJ45 10/100Base-Tx Transformer Jack With Transformer /Impedance Resistor/High Voltage Capacitor.
2. Designed To Meet IEEE 802.3z Requirement.
3. Designed For 100 Base Transmission over UTP-5 Cable.
4. Operation Temprature Range: 0° C To 70° C

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



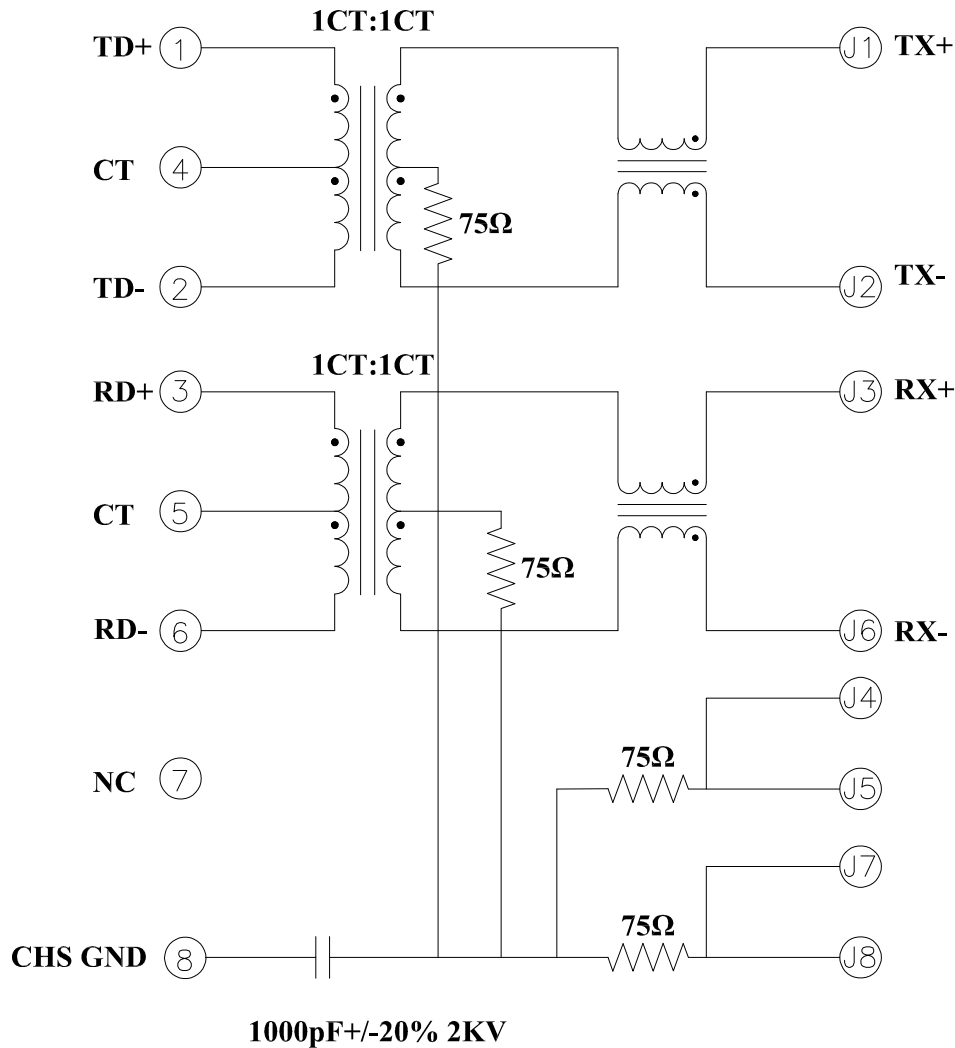
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REV.:	1



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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
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DRAWING NO.	P01–1AF2
FILE NAME	P01–1AF2_1.DWG

UNLESS OTHERWISE NOTED, TOL:			
X.	±0.38	SIZE:	A4
.X	±0.38	UNIT:	mm
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.XXX	±0.13	PAGE: 2/3	REV.: 1



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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



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