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LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

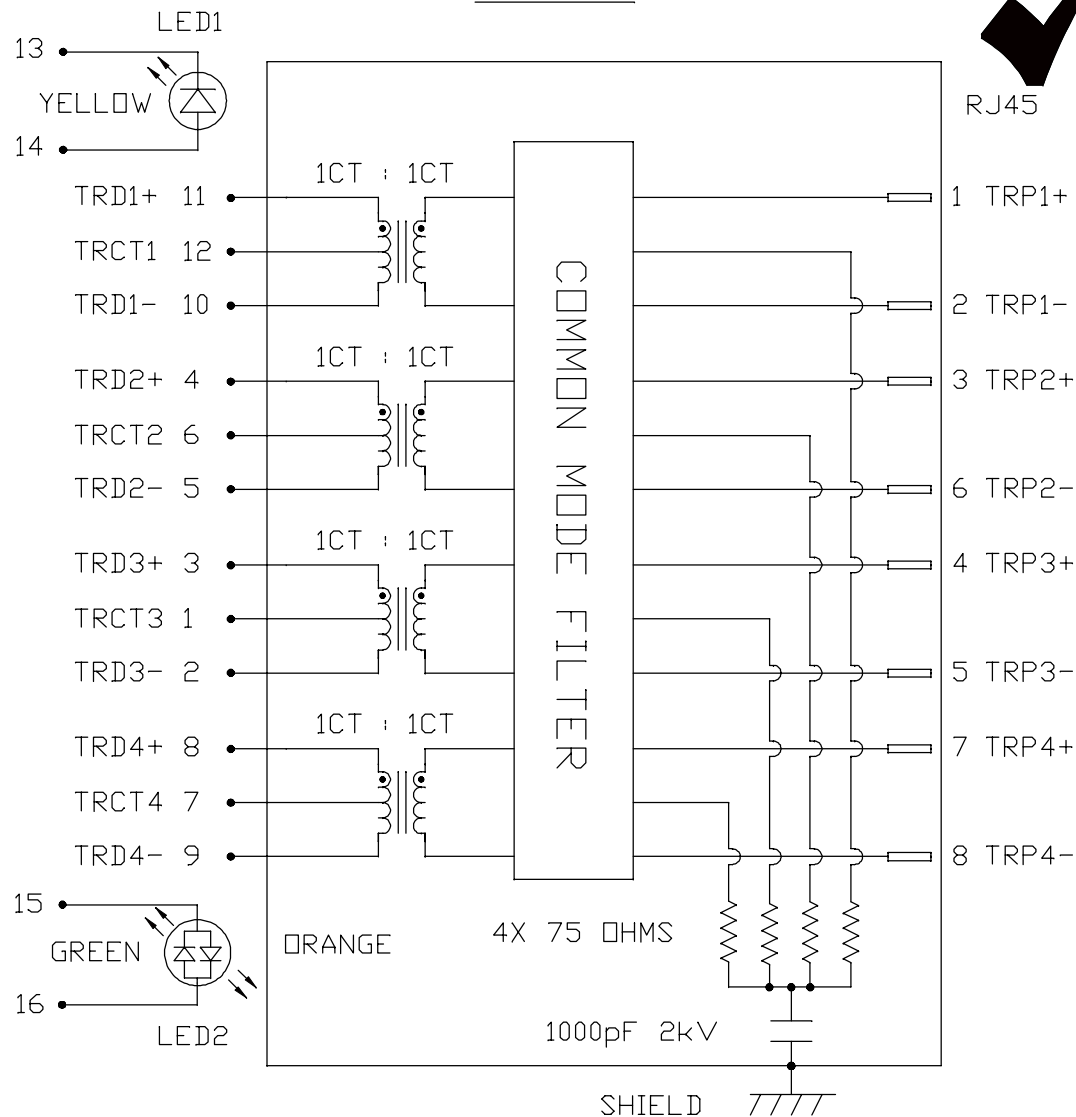
VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		ORANGE	610nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC



RoHS

RJ45

REV. : G

PAGE : 2

ORIGINATED BY

CHOW WANCHUNG
DATE 2016-08-11

TITLE

gigabit MagJack®
(12 cores, Tab Up)
0826-1X1T-23-F

PART NO. / DRAWING NO.

08261X1T23-F

FILE NAME

08261X1T23-F_G.DWG

STANDARD DIM.

TOL. IN INCH

.X

.XX

.XXX

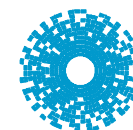
[] METRIC DIM.

AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4



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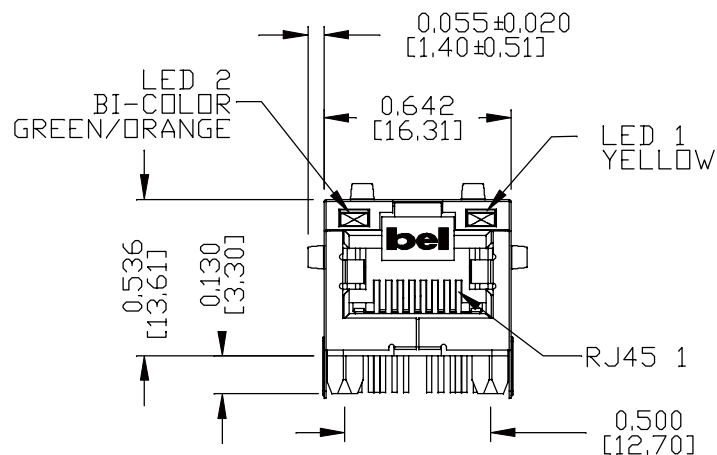
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Please read our datasheet & drawing disclaimer [here](#).

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MECHANICAL SPECIFICATION

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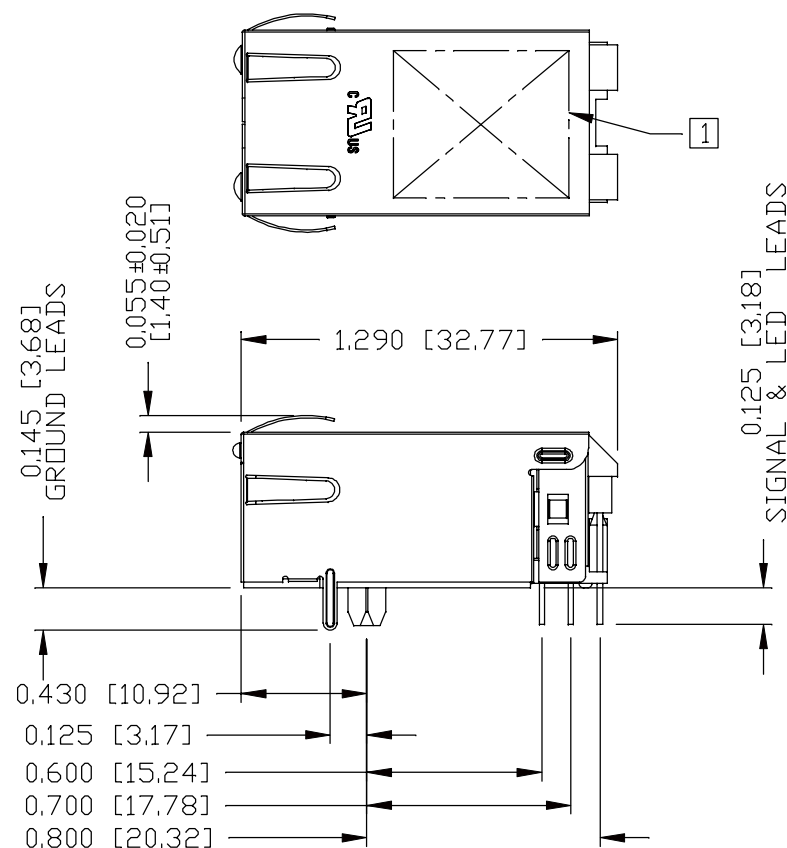


NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT,
30 MICRO-INCH MIN NICKEL UNDERPLATE.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH,
100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY,
(ALL GROUND LEADS ARE SOLDER DIPPED)

[1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.

1. UL RECOGNIZED - FILE #E196366 AND E169987.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED
PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.



ORIGINATED BY
JESSE LI
DATE 2016-08-11

DRAWN BY
JOLLY LUO
DATE 2016-08-11

TITLE
gigabit MagJack®
(12 cores, Tab Up)
0826-1X1T-23-F

PART NO. / DRAWING NO.
08261X1T23-F

FILE NAME
08261X1T23-F_G.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

REV. : G PAGE : 3



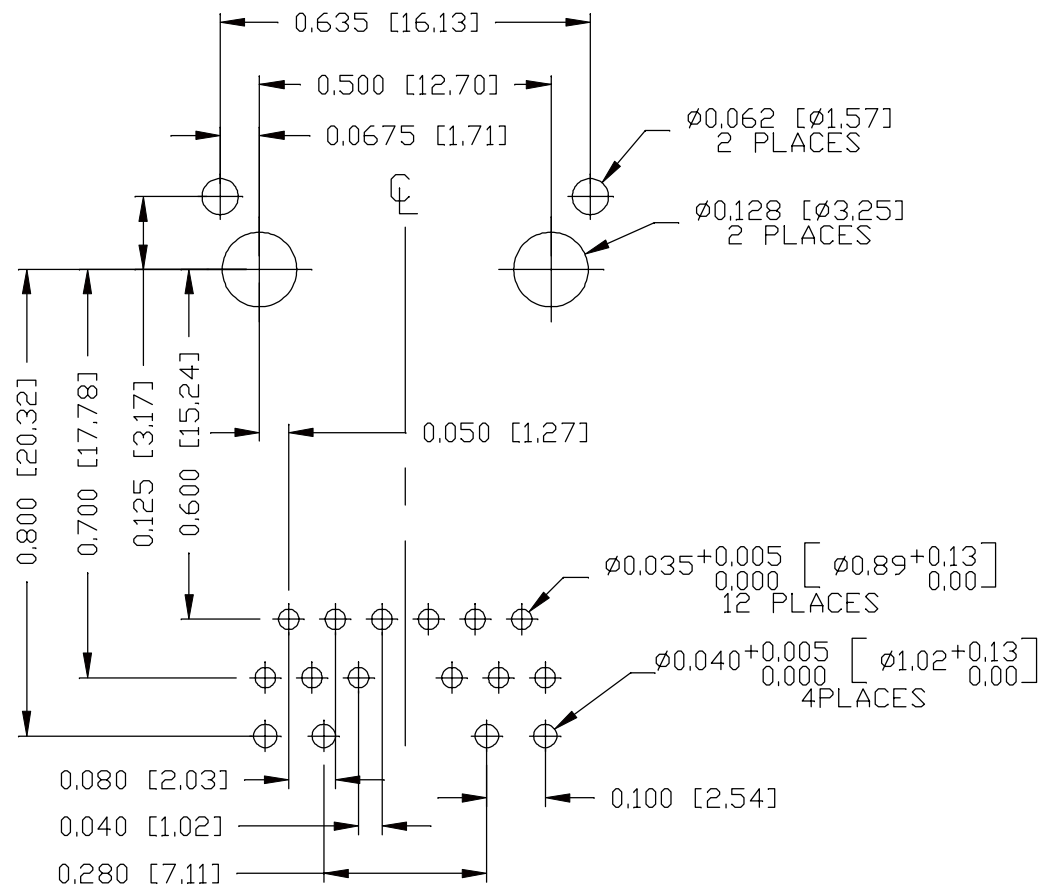
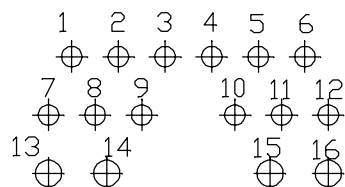
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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

PIN ASSIGNMENT COMPONENT SIDE VIEW



ORIGINATED BY
JESSE LI
DATE 2016-08-11
DRAWN BY
JOLLY LUO
DATE 2016-08-11

TITLE
gigabit MagJack®
(CM Termination)
0826-1X1T-23-F

PART NO. / DRAWING NO.
08261X1T23-F
FILE NAME
08261X1T23-F_G.DWG

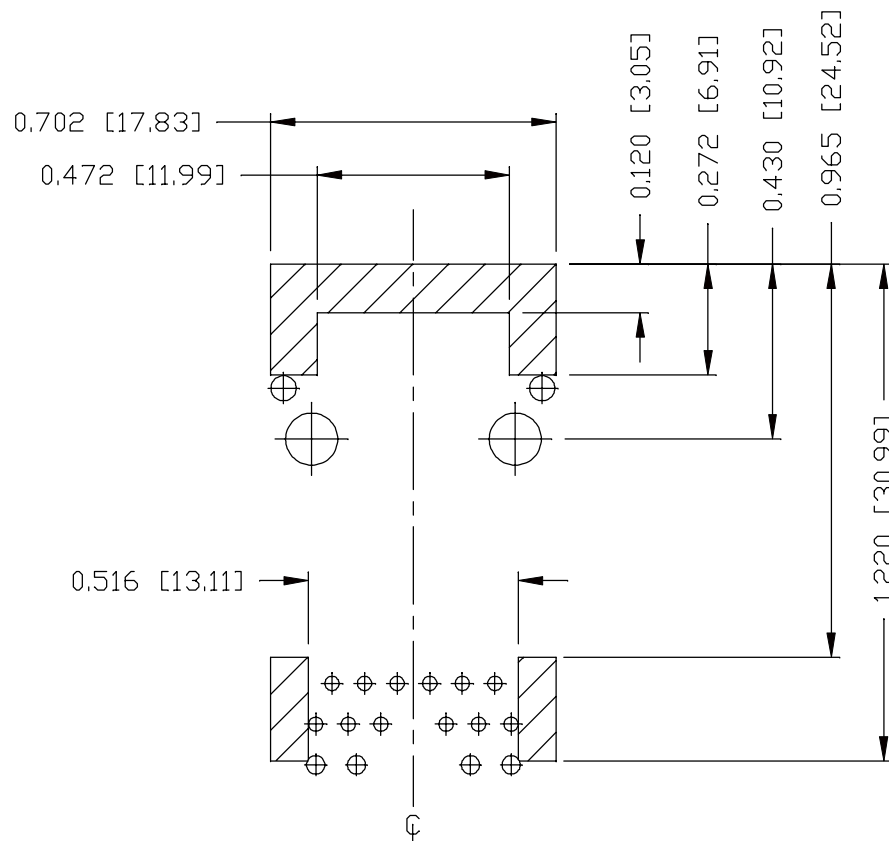
STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX
±0.004
[] METRIC DIM.
AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : G PAGE : 4



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NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

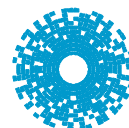
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JESSE LI
DATE 2016-08-11
DRAWN BY
JOLLY LUO
DATE 2016-08-11

TITLE
gigabit MagJack®
(12 cores, Tab Up)
0826-1X1T-23-F

PART NO. / DRAWING NO.
08261X1T23-F
FILE NAME
08261X1T23-F_G.DWG

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.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4

REV. : G	PAGE : 5
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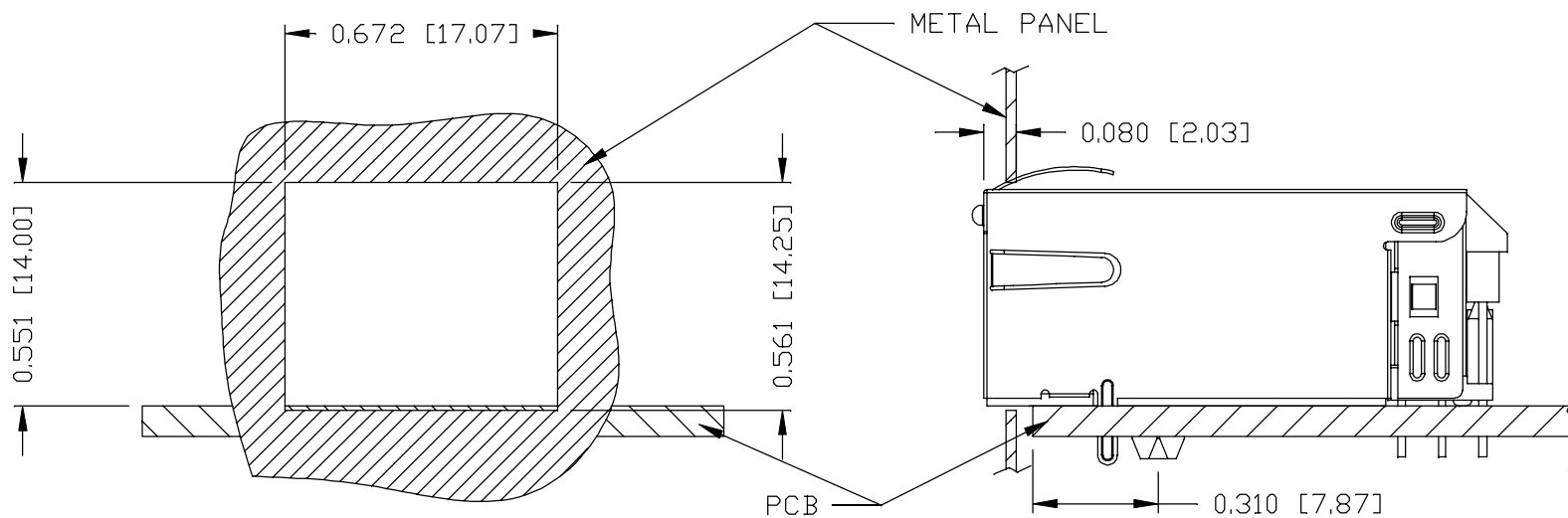
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SUGGESTED PANEL OPENING



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-F6 (TOP)
0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : G PAGE : 6

ORIGINATED BY JESSE LI DATE 2016-08-11	TITLE gigabit MagJack® (12 cores, Tab Up) 0826-1X1T-23-F	PART NO. / DRAWING NO. 08261X1T23-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
DRAWN BY JOLLY LUO DATE 2016-08-11		FILE NAME 08261X1T23-F_G.DWG	.X		UNIT : INCH [mm]	
			.XX		SCALE : N/A	
			.XXX	±0.004		SIZE : A4
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