



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%

CL @ 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

CROSS TALK

100kHz - 100MHz	-33+20LOG(f/100MHz)dB MIN
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CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

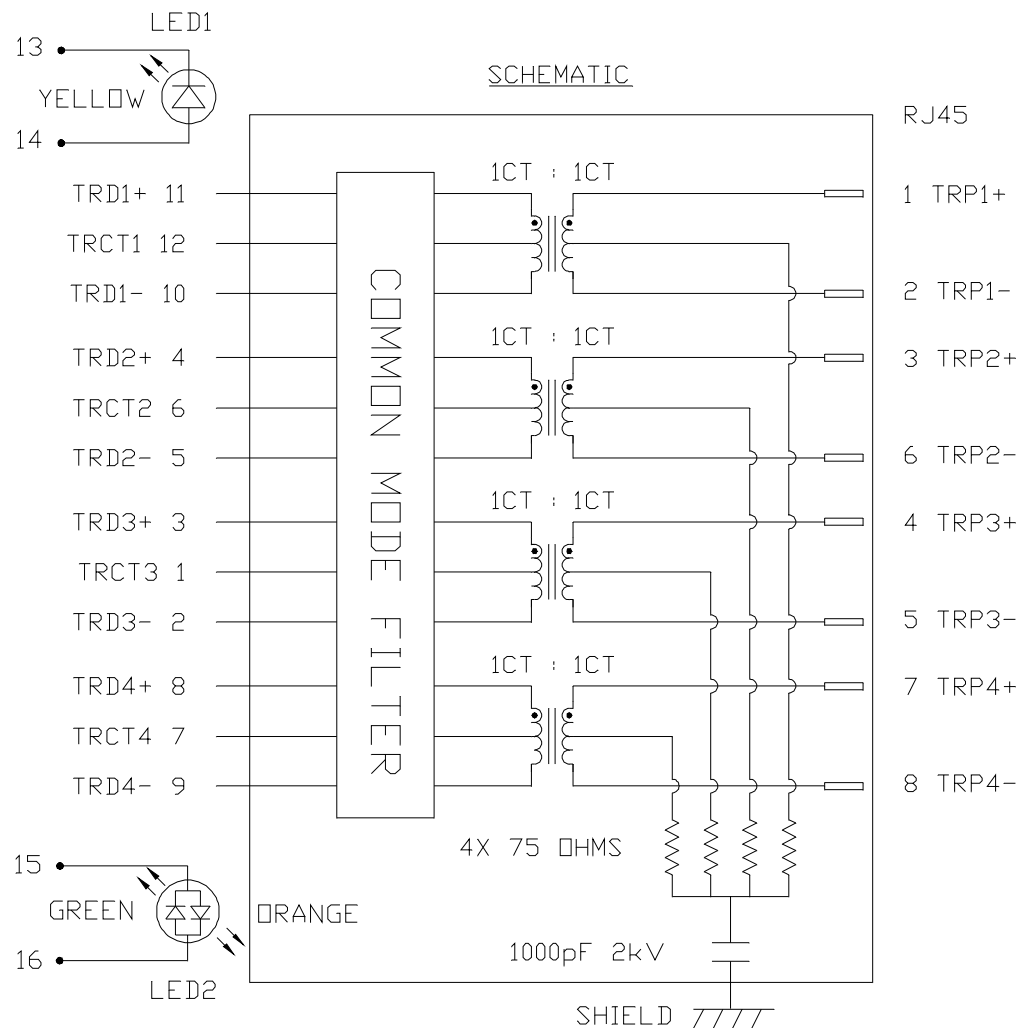
LED 1

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	605nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY
CHOW WANCHUNG
DATE 2017-05-25

TITLE
1X2 gigabit MagJack®
(TAB-UP WITH LEDS)
0826-1X2T-43-F
PATENTED

DRAWN BY
XIE YIMING
DATE 2017-05-25

PART NO. / DRAWING NO.
08261X2T43-F

FILE NAME
08261X2T43-F_C.DWG

STANDARD DIM.
TOL. IN INCH [] METRIC DIM.
AS REF.

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

REV. : C

PAGE : 2



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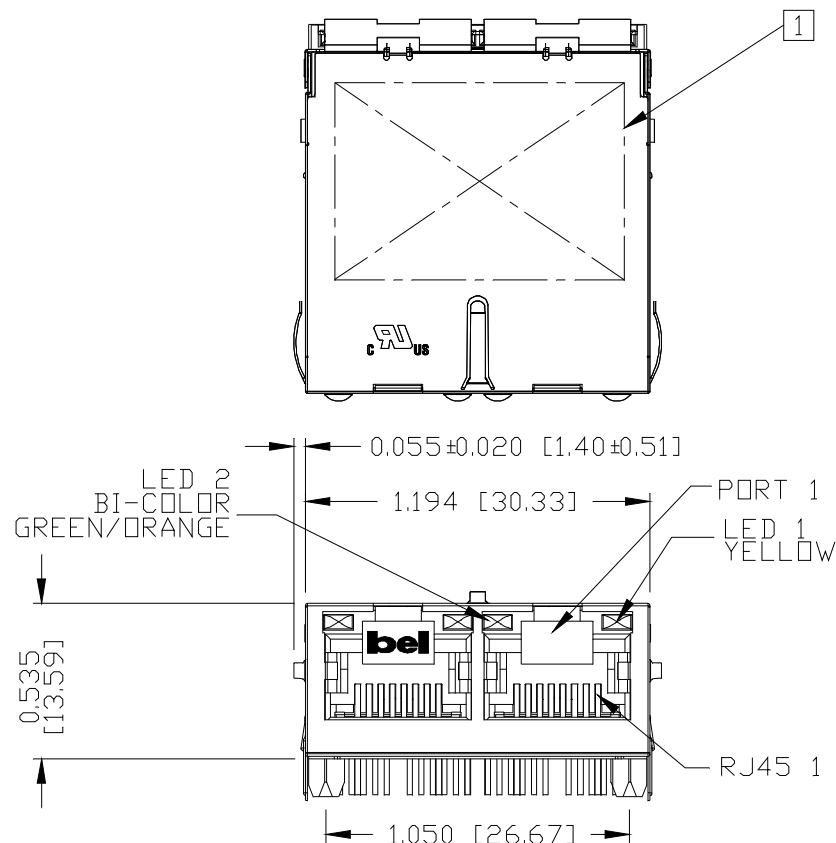


NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
 FLAMMABILITY RATING UL 94V-0
 CONTACTS PLATING: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
 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, PART NUMBER, DATE CODE, MFG NAME AND PATENTED.

 UL RECOGNIZED - FILE #E196366 AND E169987.



- THE PRODUCT IS RoHS COMPLIANT.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 7,123,117.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : C PAGE : 3

ORIGINATED BY
 ANTON LIAO
 DATE 2017-05-25

DRAWN BY
 JESSE LI
 DATE 2017-05-25

TITLE
 1x2 gigabit MagJack®
 (TAB-UP WITH LEDS)
 0826-1X2T-43-F
 PATENTED

PART NO. / DRAWING NO.
 08261X2T43-F

FILE NAME
 08261X2T43-F_C.DWG

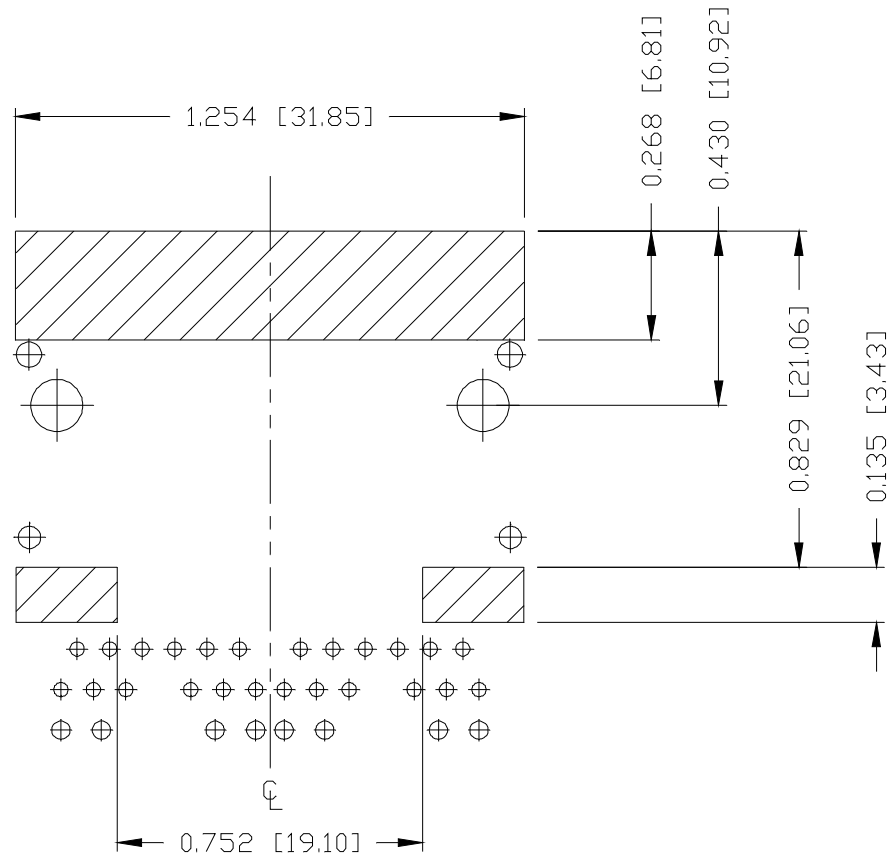
STANDARD DIM.
 TOL. IN INCH [] METRIC DIM.
 AS REF.

.X
 .XX
 .XXX
 ±0.010
 UNIT : INCH [mm]
 SCALE : N/A
 SIZE : A4



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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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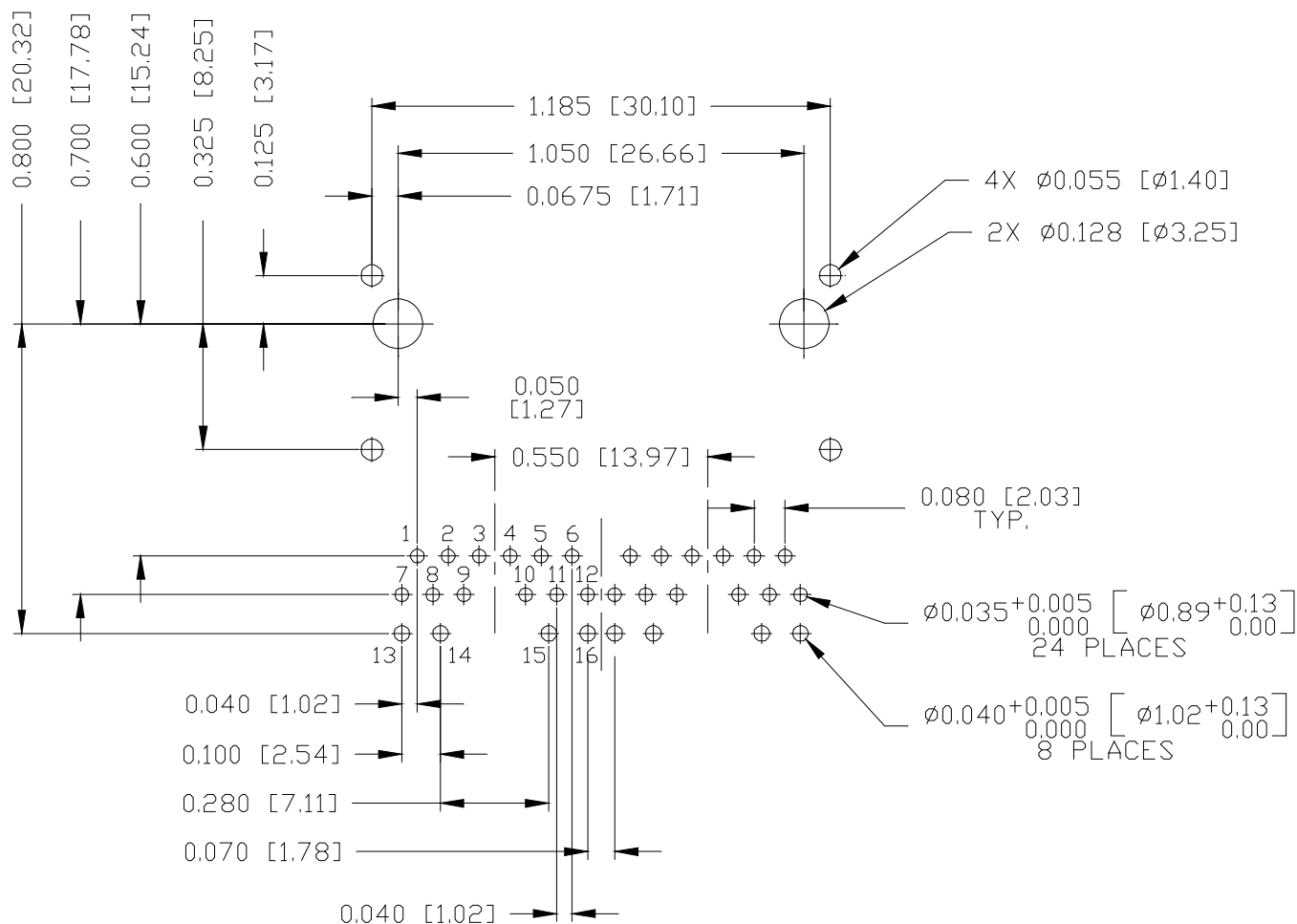
PART NO. / DRAWING NO.
08261X2T43-F
FILE NAME
08261X2T43-F_C.DWG

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

REV. : C	PAGE : 4
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bel MAGNETIC SOLUTIONS
a bel group



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

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STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : C

PAGE : 5

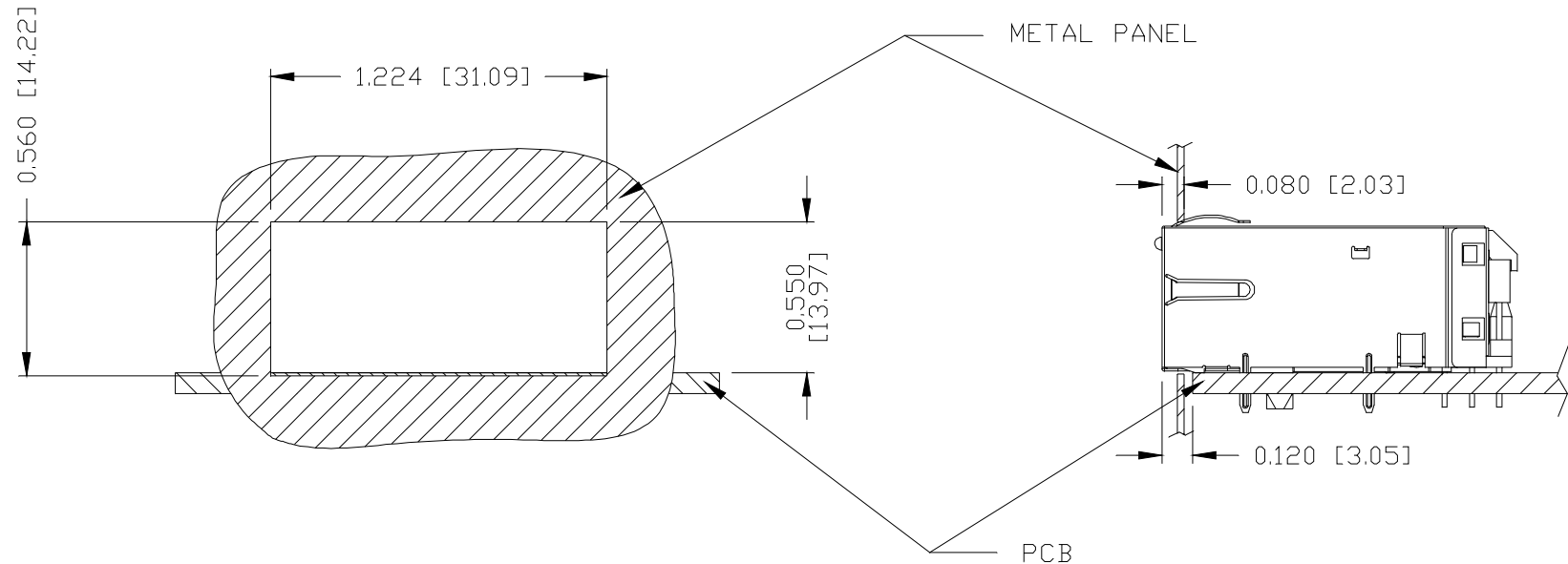


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SUGGESTED PANEL OPENING



NOTES:

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-I1 (TOP)
0200-9999-I2 (BOTTOM)

PACKING QUANTITY: 49 PCS FINISHED GOODS PER TRAY
7 TRAYS (343 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

REV. : C PAGE : 6

ORIGINATED BY ANTON LIAO DATE 2017-05-25	TITLE 1X2 gigabit MagJack® (TAB-UP WITH LEDS) 0826-1X2T-43-F PATENTED	PART NO. / DRAWING NO. 08261X2T43-F	STANDARD DIM. TOL. IN INCH .X	[] METRIC DIM. AS REF. UNIT : INCH [mm]	 bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2017-05-25		FILE NAME 08261X2T43-F_C.DWG	.XX ±0.004	SCALE : N/A SIZE : A4	