

# INTEGRATED CONNECTOR MODULES 0826-1AX1-47 10/100Base-TX Single Port MagJack® with LEDs

LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	-	+	GREEN

## ELECTRICAL CHARACTERISTICS @ 25°C

### URNS RATIO

TX	ICT : 1
RX	ICT : 1

### DCL @ 100kHz/100mVRMS

8mA DC BIAS	350μH MIN.
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### INS. LOSS

1MHz TO 100MHz	-1.0 dB MAX
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### RET. LOSS (MIN)

1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB

### CROSS TALK (TX - RX)

500kHz - 100 MHz	-35 dB MIN
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### CM TO CM REJ

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

100kHz - 100 MHz	-40 dB MIN
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### HIPOT (Isolation Voltage):

1500 Vrms

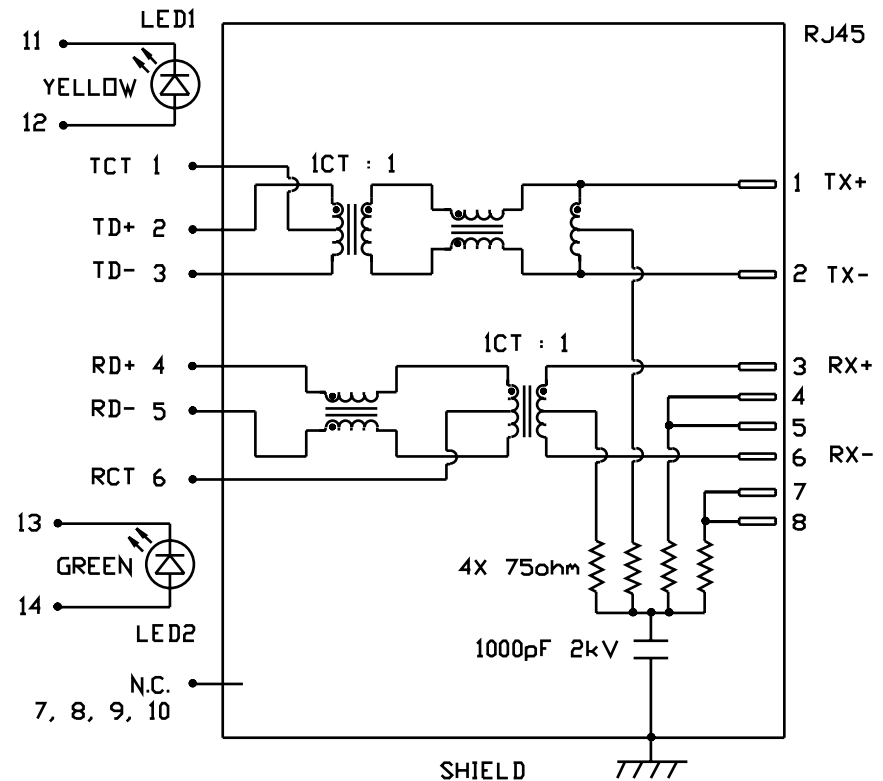
### LED 1

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

### LED 2

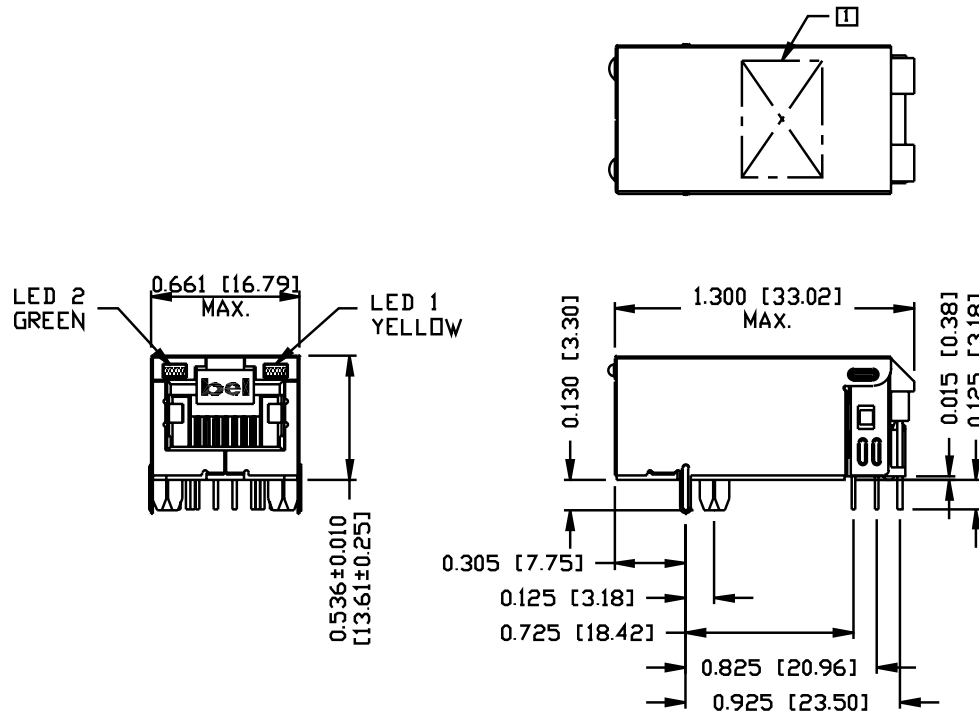
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

## SCHEMATIC

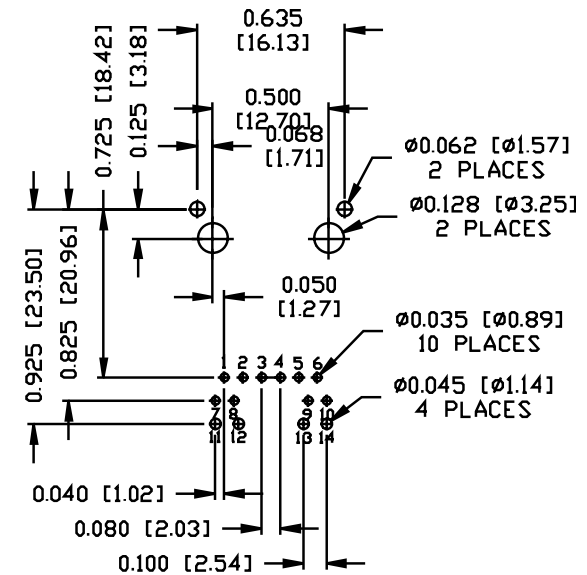


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## MECHANICAL SPECIFICATION



## RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



### NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA 4/6  
FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

SOLDERABILITY: PER MIL STD. 202, METHOD 208.

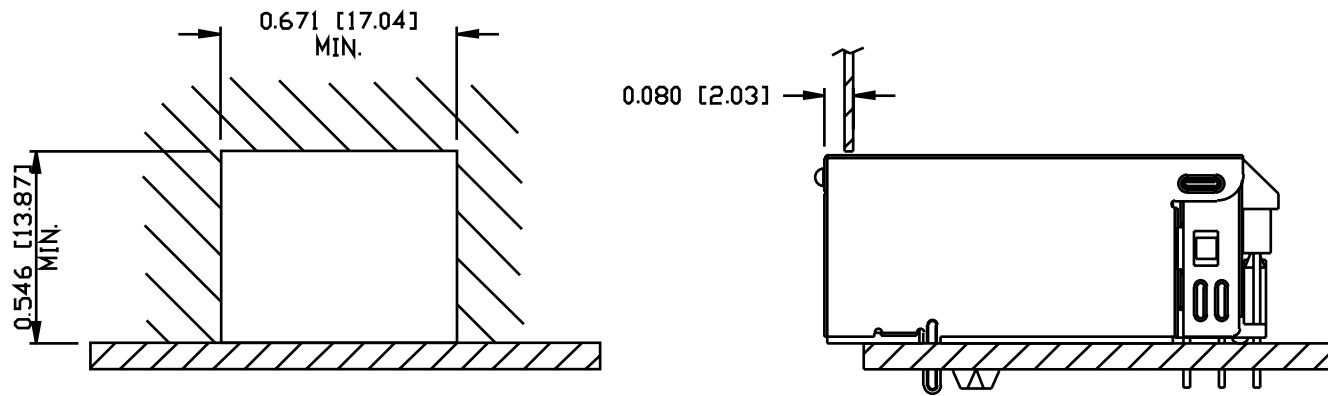
METAL SHIELD: TIN/LEAD PLATED ON COPPER ALLOY.

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

## INTEGRATED CONNECTOR MODULES

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#### SUGGESTED PANEL OPENING



#### PACKING INFORMATION

PACKING TRAY : 0200-0148-24 (TOP)

0200-0148-25 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY

10 TRAY (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)