

## INTEGRATED CONNECTOR MODULES

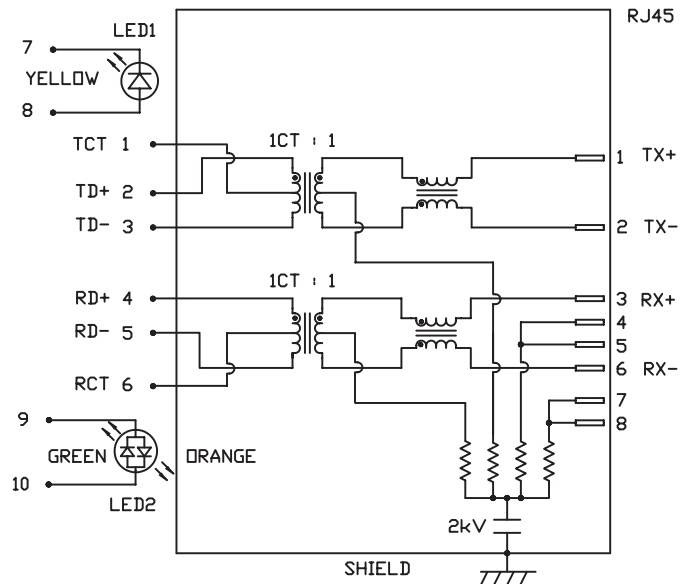
### 08C2-1X1T-36 10/100Base-TX Single Port MagJack® with LEDs



LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
/	/	/	+	-	ORANGE
-	+	YELLOW	-	+	GREEN

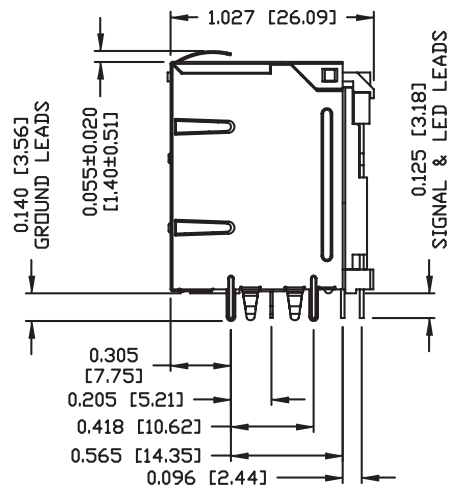
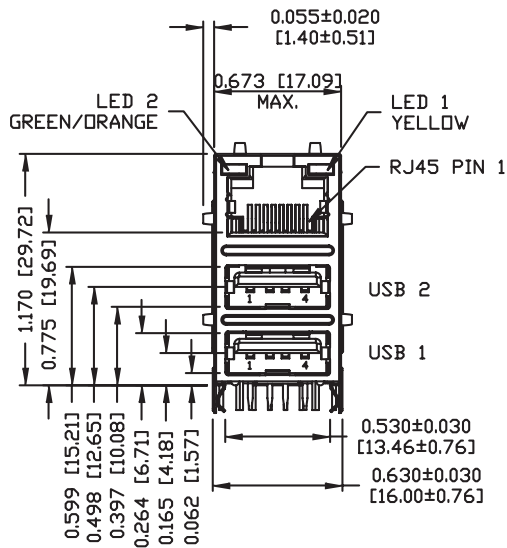
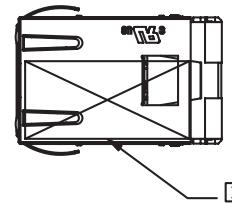
#### ELECTRICAL CHARACTERISTICS @ 25°C

<b>URNS RATIO</b> TX RX <b>QCL @ 100kHz/100mVRMS</b> 8mA DC BIAS <b>INS. LOSS</b> 1MHz TO 100MHz <b>RET. LOSS (MIN)</b> 1MHz-30MHz 30MHz-60MHz 60MHz-80MHz <b>CROSS TALK (TX - RX)</b> 100kHz-100MHz <b>CM TO CM REJ</b> 100kHz-100MHz <b>CM TO DM REJ</b> 100kHz-100MHz <b>HIPOT (Isolation Voltage)</b>	1CT : 1 1CT : 1 350µH MIN. -1.0 dB MAX -18 dB -18+20LOG(F/30MHz) dB -12 dB -35 dB MIN -30 dB MIN -40 dB MIN 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. DRANGE 2.0V TYP. λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. ORANGE 610nm TYP.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**USB ELECTRICAL:**  
 INSULATION RESISTANCE: 1000 MEG Ω (MIN)  
 CONTACT RESISTANCE: 25 MILLI Ω (MAX)  
 DIELECTRIC WITHSTANDING: 750 VAC

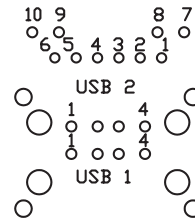
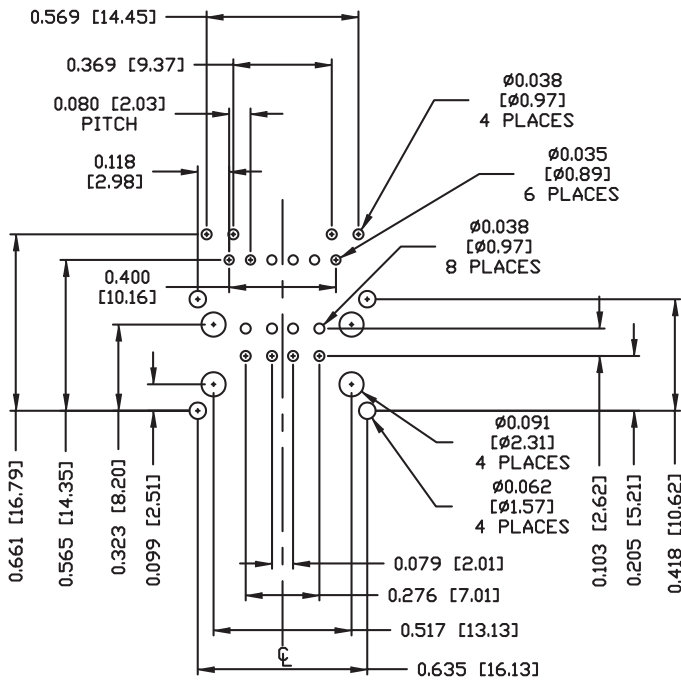
**INTEGRATED CONNECTOR MODULES**  
**08C2-1X1T-36 10/100Base-TX Single Port MagJack® with LEDs**



**INTEGRATED CONNECTOR MODULES**  
**08C2-1X1T-36 10/100Base-TX Single Port MagJack® with LEDs**



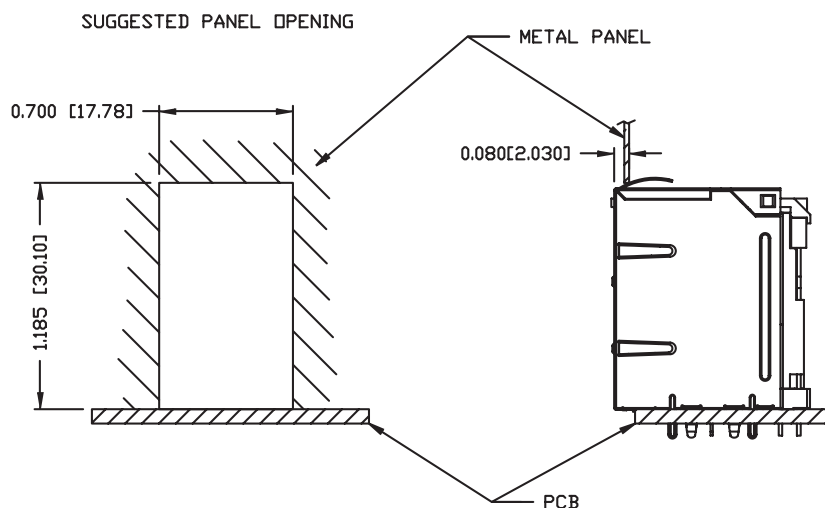
Recommended PCB footprint  
Component Side



- |                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| RJ45 MECHANICAL: | THERMOPLASTIC PBT OR EQUIVALENT.                                   |
| PLASTIC HOUSING: | FLAMMABILITY RATING UL 94V-0                                       |
| CONTACT PLATING: | 30 MICRO-INCH HARD GOLD PLATING                                    |
| PINS:            | TIN-COATED COPPER WIRE, DIA 0.018 INCH.                            |
| METAL SHIELD:    | NICKEL PLATED ON COPPER ALLOY.                                     |
|                  | (ALL NICKEL PLATED GROUND LEADS ARE SOLDER DIPPED)                 |
| USB MECHANICAL:  |                                                                    |
| MATING FORCE:    | 35 NEWTONS MAXIMUM                                                 |
| UNMATING FORCE:  | 10 NEWTONS MINIMUM                                                 |
| CONTACT:         | PHOSPHOR BRONZE                                                    |
|                  | 30 MICRO-INCH GOLD PLATING ON CONTACT AREA AND TIN ON SOLDER TAIL. |

- UL** US UL RECOGNIZED - FILE #E196366 AND E169987.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
  - RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

**INTEGRATED CONNECTOR MODULES**  
**08C2-1X1T-36 10/100Base-TX Single Port MagJack® with LEDs**



**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-A3

PACKING QUANTITY : 42 PCS FINISHED GOODS PER TRAY

10 TRAYS (420 PCS FINISHED GOODS) PER CARTON BOX

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