

INTEGRATED CONNECTOR MODULES 0862-1J1T-43-F Gigabit Ethernet MagJack® Combo with LEDs



LED1 POLARITY			LED2 POLARITY			
PIN 11	PIN 12	COLOR	PIN 15	PIN 14	PIN 13	COLOR
-	+	YELLOW	-	+		ORANGE
				+	-	GREEN
			-	+	-	MIXED YELLOW

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.
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INS. LOSS

1MHz TO 100MHz	-1.2 dB MAX
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RET. LOSS (MIN) @ 100ΩHMS ±15%

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

Cross Talk

Ch1-Ch2, Ch2-Ch3, Ch3-Ch4, Ch4-Ch1, Ch2-Ch4, Ch3-Ch1	
1MHz - 30MHz	-35dB MIN
30MHz - 80MHz	-24dB MIN
80MHz - 100MHz	-25dB MIN

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 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

LED 1

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
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λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.
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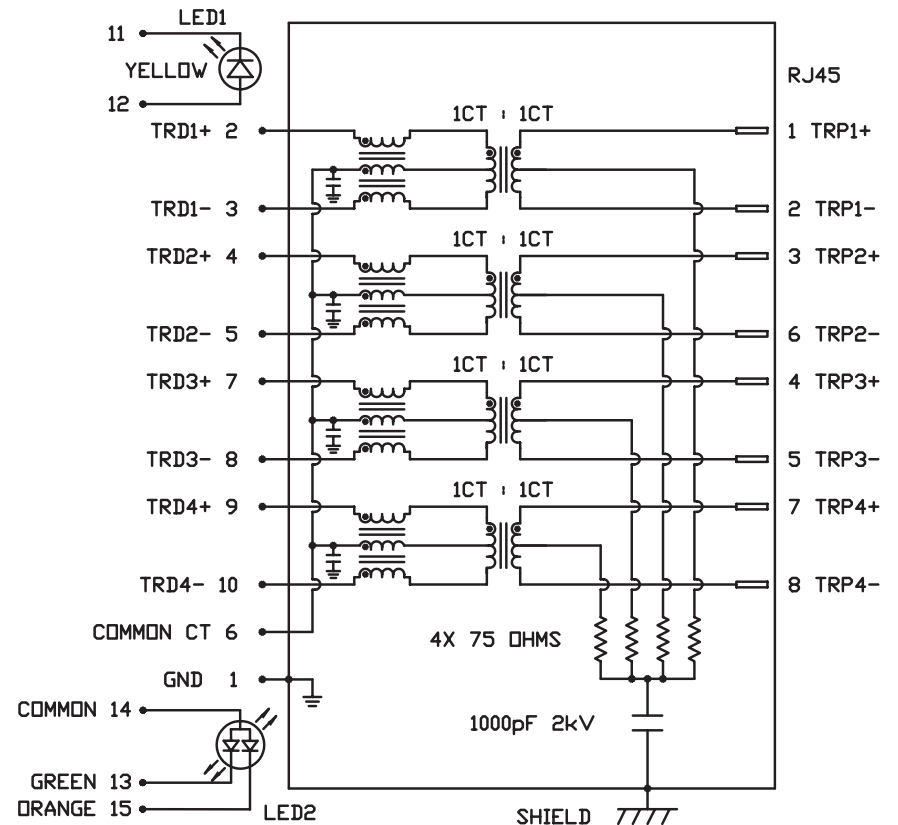
LED 2

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW GREEN	2.2V TYP.
		AMBER	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW GREEN	570nm TYP.
		AMBER	607nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.

USB ELECTRICAL

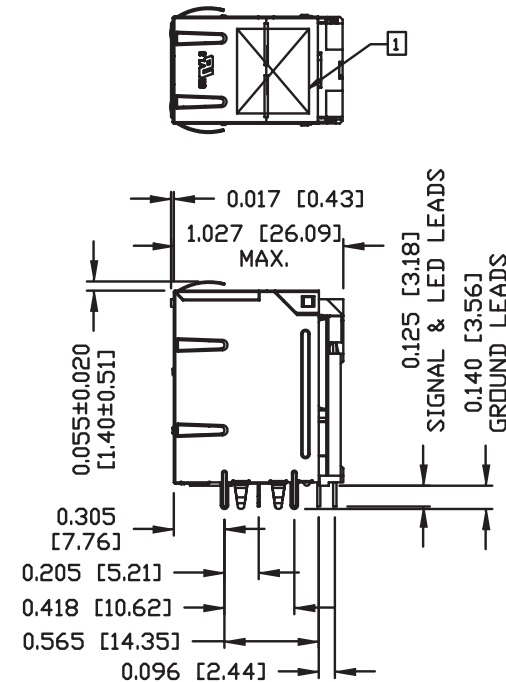
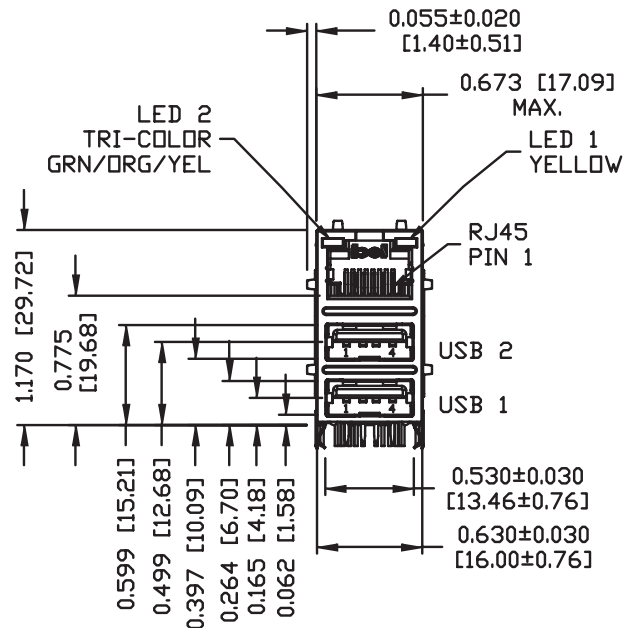
INSULATION RESISTANCE	1000 MEGA Ω (MIN)
CONTACT RESISTANCE	25 MILLI Ω (MAX)
DIELECTRIC WITHSTANDING	750 VAC



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MECHANICAL SPECIFICATION



RJ45 MECHANICAL:

PLASTIC HOUSING: THERMOPLASTIC PBT

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 GROUND LEADS ARE SOLDER DIPPED)

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

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.

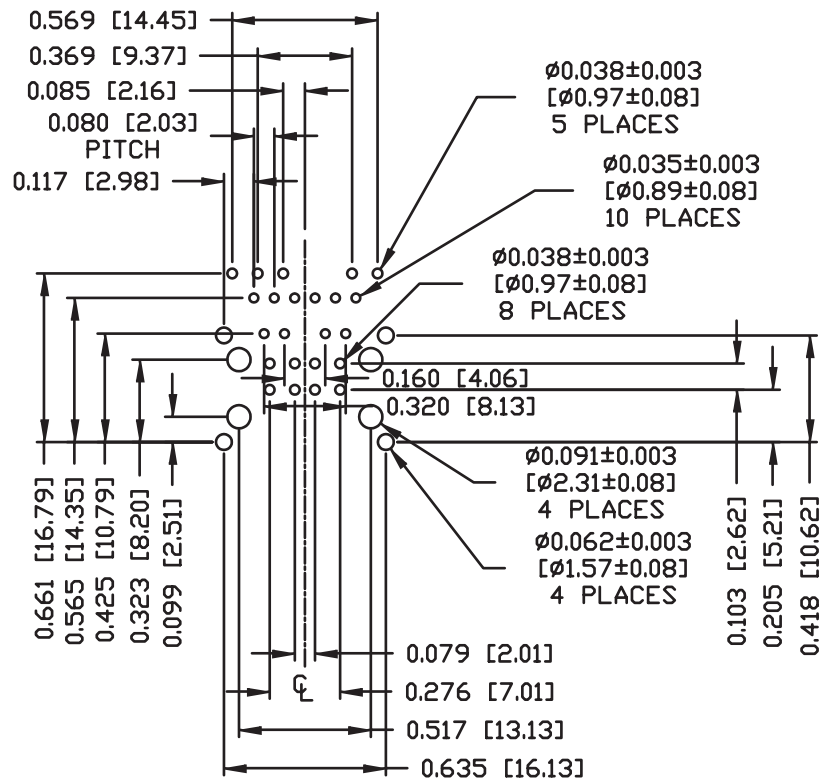
USB MECHANICAL:

MATING FORCE: 35 NEWTONS MAXIMUM

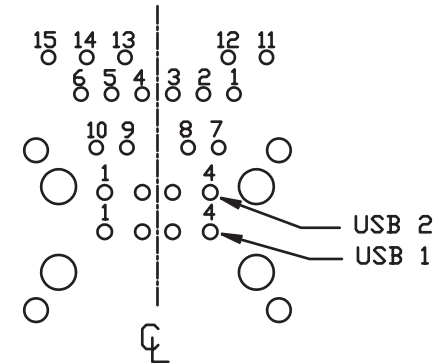
UNMATING FORCE: 10 NEWTONS MINIMUM

CONTACT: PROSPER BRONZE,
30 MICRO-INCH GOLD PLATING
ON CONTACT AREA AND LEAD-FREE
TIN ON SOLDER TAIL.

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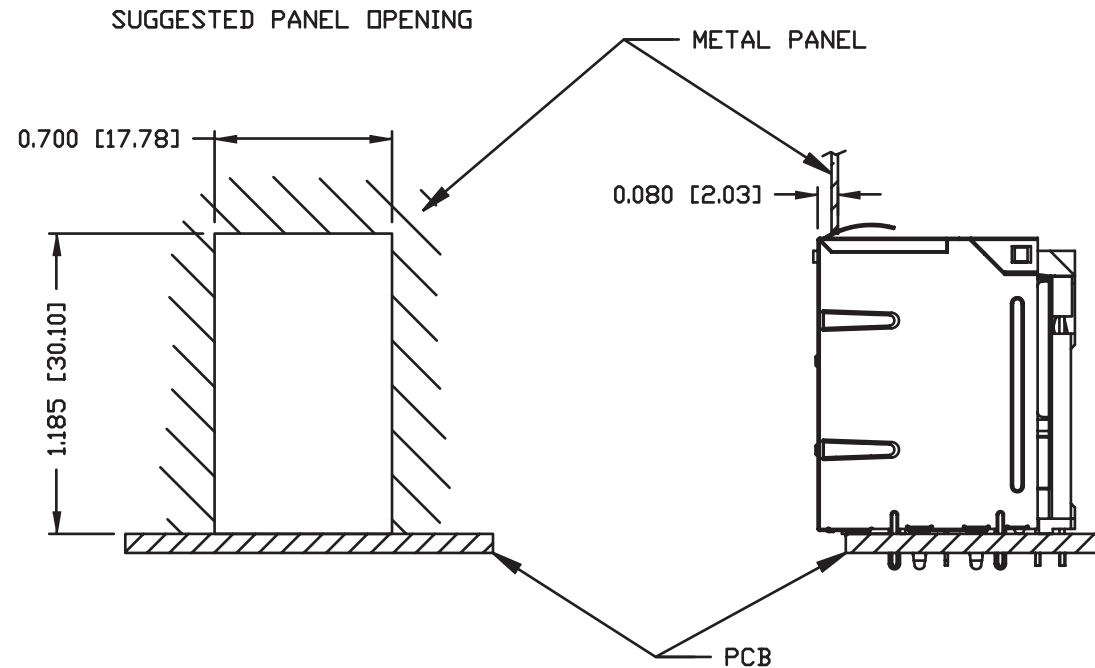
RECOMMENDED PCB FOOTPRINT
 COMPONENT SIDE VIEW



PIN ASSIGNMENT
 SCALE 3:2

INTEGRATED CONNECTOR MODULES

0862-1J1T-43-F Gigabit Ethernet MagJack® Combo 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 (420PCS FINISHED GOODS) PER CARTON BOX

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