

◆ RJ45 1x1 w/Transformer 1000 Base-T w/LED

Ordering Information:

GDI47 - N3 - 0 8 6 2 3 0 0
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1. Plating Options
- 2-G/F In Contact Area
- 7-15u" Gold In Contact Area
- 9-30u" Gold In Contact Area
- A-50u" Gold In Contact Area

Physical:

- ◆ Plastic Housing & Transformer Housing
High Temp Thermoplastic, or
PBT, UL94V-0 Rated, Black Color
- ◆ Terminal
RJ Contacts: Copper Alloy
RJ Solder Pins: Copper Alloy
- ◆ Terminal Plating
RJ Contacts:
Gold Plating on Contact Area
Tin Plating on Solder Tails
Nickel Underplating Overall
RJ Solder Pins:
Tin Plating Overall
Nickel Underplating Overall
- ◆ Shell
Stainless
- ◆ Shell Plating
Pre-Soldering on Ground Legs

Mechanical Specifications:

- ◆ Mate Force
22N Max.
- ◆ Durability
750 Cycles
- ◆ Operating Temperature Rating
0°C to +70°C

Electrical Specifications:

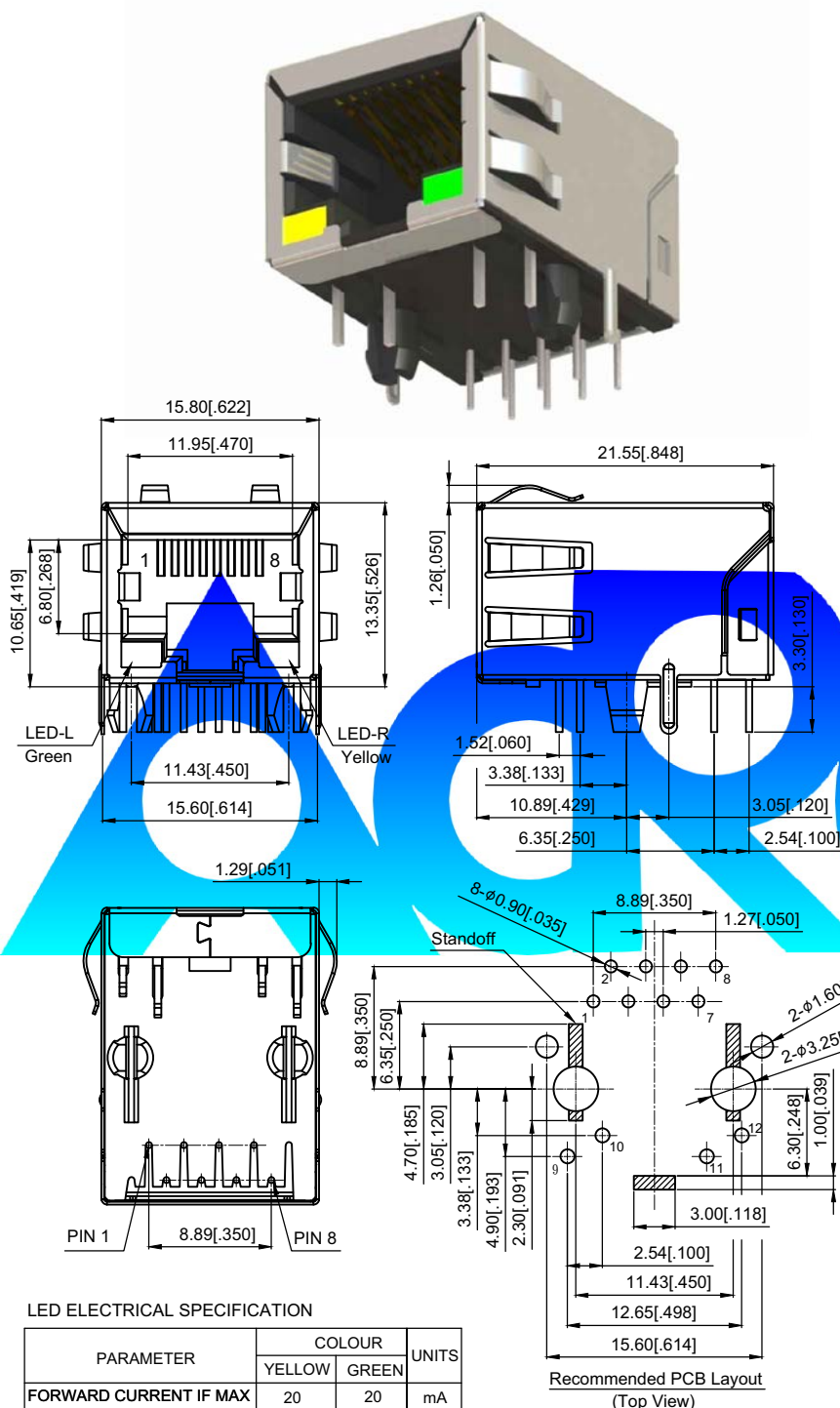
- ◆ Contact Resistance
50 Milliohms Max. Initial
- ◆ Dielectric Withstanding Voltage
500V per Second Max.
- ◆ Insulation Resistance
500 Megohms Min.

Magnetic Electrical Specifications:

- ◆ Transmitter & Receiver Filter:

Insertion Loss (dB Max)	Return Loss at 100 Ω (dB Max)		
1~100MHz	1~30MHz	30~60MHz	60~80MHz
-1.0	-18	-16	-12

- ◆ Cross Talk: @1~100MHz: -30dB MIN.
- ◆ Common Mode Rejection: @1~50 MHz: -20dB MIN.
@50~150 MHz: -15dB MIN.
- ◆ Hi-Pot Test: (J to P): 2250VDC, 1mA, 1SEC
(P to Shell): 2250VDC, 1mA, 1SEC
(LED to Shell): 500VDC, 1mA, 1SEC



LED ELECTRICAL SPECIFICATION

PARAMETER	COLOUR		UNITS
	YELLOW	GREEN	
FORWARD CURRENT IF MAX	20	20	mA
REVERSE CURRENT IR MAX	10	10	uA
REVERSE VOLTAGE VR MAX	-5	-5	V
T OPERATURE TP	-20~+80	-20~+80	°C
T SOLDERING TURE TS	260+/-5	260+/-5	°C
POWER DISS. Pd	75	75	mW
NTENSITY IV MIN	28	28	MCD
PEAK WAVELENTH	585	565	nM
FORWARD VOLTAGE TYP	1.7	1.7	V
FORWARD VOLTAGE MAX	2.6	2.6	V

