

ROHS COMPLIANT
EU Directive 2002/95/EC

Materials and Finish

Housing Material:
thermoplastic,
UL 94V-0 rated,
Color: black

Contact Material:
phosphor bronze

Contact Plating Options:
Standard: 0.0001" nickel
underplating, selectively plated
0.000015" gold on contact
area, tin on soldertails
50 Option: 0.0001" nickel
underplating, selectively plated
0.000050" gold on contact
area, tin on soldertails

Shield: 0.25 thick copper alloy,
Nickel plated

Electrical Characteristics

Insulation Resistance:
500 Megohms min.

Voltage Rating: 150V AC

Contact Resistance:
20 milliohms max.

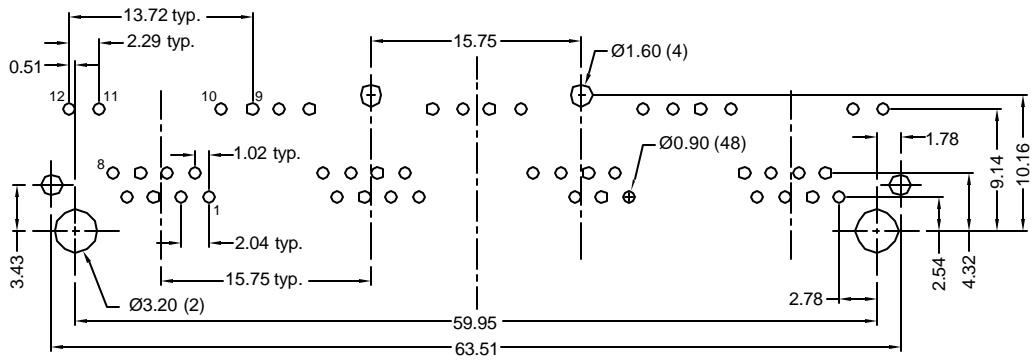
Current Rating:
1.5 amps

Operating Temperature:
-40°C to +85°C

Durability Rating:
500 mating cycles min.

Electrical Performance

Category 5 100MHz Bandwidth Performance attenuation @ 100MHz less than 0.13dB performance meets Near End Crosstalk (NEXT) requirements of -40dB @ 100 MHz per EIA/TIA 568A in applications where UL approved Category 5 cable (GA27-3773-1) is used shielded types offer 20dB shielding from 30MHz to 300MHz



Recommended PCB Layout (top view)

LED Schematics									
	Pin No.	Single Color (G, R, or Y)	Pin No.	Pin No.	Bi-Color (GR)	Pin No.	Pin No.	Bi-Color (GY)	Pin No.
LED 1	12	+	11	-	Green Red	12	11	Green Yellow	12
LED 2	10	+	9	-	Green Red	10	9	Green Yellow	10

LED Characteristics				
LED Color	Forward DC Current (units: mA)	Forward Voltage (units: V)	Reverse Voltage (units: V)	Power Dissipation (units: mW)
green	25	2.2 Typ. (2.5 Max.)	5	105
red	30	2.0 Typ. (2.5 Max.)	5	105
yellow	30	2.1 Typ. (2.5 Max.)	5	105

Part Number / Ordering Information

Complete P/N Example:	GWL G - S1 4 8 8 GR / Y 50									
P/N Breakdown:	Series	Type	Shield Type	No. of Ports	No. of Positions per Port	No. of Contacts per Port	LED 1 Color	LED 2 Color	Contact Area Plating	
Available Options:	GWL = right angle modular jack w/integrated LED's	G = ganged	S1 = fully shielded w/top & side spring shield grounding tabs	4 = 4 ports	8 = 8 contact positions per port	8 = 8 contacts per port	G = green R = red Y = yellow GR = bi-color green/red GY = bi-color green/yellow	G = green R = red Y = yellow GR = bi-color green/red GY = bi-color green/yellow	blank = standard 50 = 50u" option	

Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	07/12/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	07/06/05
A2	10/19/05	ECO 05-058	R. Aguirre	H. MA		
A3	7/13/06	Release Drawing	H. MA	N/A		

GWLGX-S1488x/x

x = LED color

Right Angle thru-Hole Ganged Modular Jack w/ LEDs, RoHS Compliant

4 port, fully shielded w/ grounding tabs