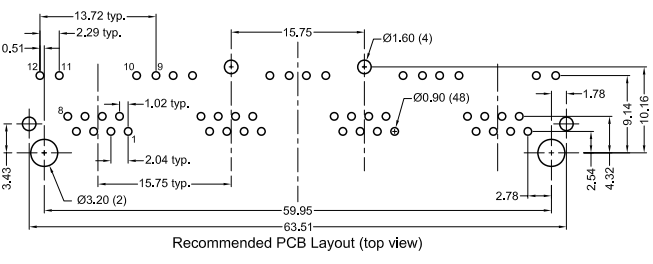
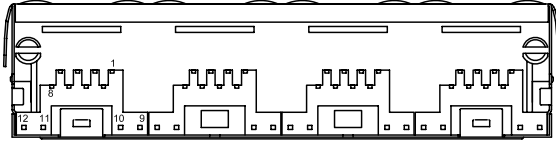
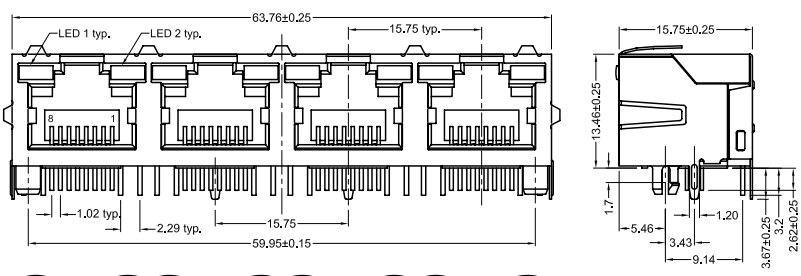


KYCON, Inc. 1810 Little Orchard Street, San Jose, CA 95125 (408)494-0330



Electrical Performance

Category 5 100MHz Bandwidth Performance
 Performance meets near end crosstalk (NEXT)
 Requirements of -40dB @ 100MHz 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

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

Current Rating:
 1.5 amps

Voltage Rating: 125V AC

Insulation Resistance:
 500 Megohms min.

Contact Resistance:
 20 milliohms max.

Operating Temperature:
 -40°C to +85°C

Durability Rating:
 500 mating cycles min.

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 -	12	Green Red	11	12	Green Yellow	11
LED 2	10 +	9 -	10	Green Red	9	10	Green Yellow	9

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

NOTE:
 Kycon connectors containing LEDs must NOT be processed using Lead-Free Infra-Red reflow soldering using JEDEC-020C (or similar) profiles. Kycon suggests to process these components using Lead-Free WAVE soldering or Post Lead-Free IR reflow insertion methods only.

Part Number / Ordering Information											
Complete P/N Example:	GWL G - S1 4 8 8 GR / Y 50										
P/N Breakdown:	Series	Type	dash	Shield Type	No. of Ports	No. of Positions per Port	No. of Contacts per Port	LED 1 Color	slash	LED 2 Color	Contact Area Plating
Available Options:	GWL = right angle modular jack w/integrated LED's	G = ganged	dash	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	slash	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		
A4	7/20/07	ECO 07-023	A. Frederick	H. MA		
A5	3/4/08	ECO#08-030	R. Aguirre	H. MA		
A6	05/13/10	ECO #10-025	S. Vien	H. MA		

GWLGX-S1488x/x
 x = LED color

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

4 port, fully shielded w/ grounding tabs

