



Recommended PCB Layout
(Top View)

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

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.

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

Part Number / Ordering Information

Complete P/N Example:	GWL	G	-	S1	8	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	8 = 8 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

RoHS COMPLIANT
EU Directive 2002/95/EC



Tolerances
X.X ± 0.38
X.XX ± 0.25
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	07/20/07	ECO #07-023	A. Frederick	H. MA		
A4	03/04/08	ECO #08-030	R. Aguirre	H. MA		
A5	05/13/10	ECO #10-025	S. Vien	H. MA		
A6	09/23/13	ECO #13-063	D. Gih	P. DalCanto		

GWLGX-S1888x/x

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

8 Port, Fully Shielded w/ Grounding Tabs



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[GWLGX-S1888-G/Y](#)