≤KYCON





Part Number

Part Number Builder

No. of

Positions

Contacts



Option Shield Option

Series

G8X - RJ45 Modular Jack with 10/100 magnetics and POE

Number of Ports

1 - 1 Port

Number of Positions / Contacts 88 - 8 Positions / 8 Contacts

Shield Options

S7 - Shielded

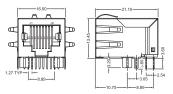
Magnetics Package

BP - 10/100 with POE

See Next Page for Schematics

G8X Series

Dimensions in mm





MODULAR JACKS AND PLUGS: G8X Series RJ45 Modular Jack with 10/100 magnetics and POE

Product Features

Includes magnetics to support 10/100 Base-T applications POE compatible LEDs for status indicators Shielded for EMI suppression PCB guide pegs

Performance Specifications

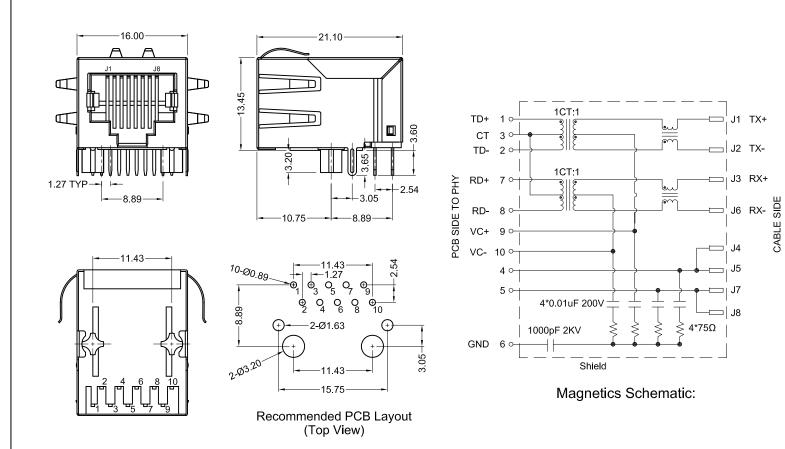
Materials and Finish Housing Material PBT Thermoplastic, UL 94V-0 Rated, Black Color Shield Material Brass, Nickel Plated **Contact Material** Phosphor Bronze Plating Nickel Underplating, 6µ" Gold Plate on Contact Area, Tin Plated on Solder Area

Electrical Characteristics

Insulation Resistance 500 Megohms Min. **Contact Resistance** 20 milliohms Max. **Dielectric Withstanding Voltage** 1200V AC for 1 Minute

Mechanical Characteristics

Durability Rating 750 Cycles Min. **Mating Force** 30 N Max. **Operating Temperature** -40°C to +85°C **Storage Temperature** -40°C to +85°C



Materials and Finish

Housing: PBT Thermoplastic UL 94V-0 Rated Color: Black

Shield: Brass, Nickel Plated

Contact Material: Phosphor Bronze

Plating:

Nickel Underplating, 6µ" Gold Plating on Contact Area, Tin Plated on Solder Area

Electrical Characteristics

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Electrical Properties:

DESCRIPTION

New Drawing

Updated Specs

Corrected SCH & EE Spec

Release Drawing

REV. BY

J. Elbanna

D. Shehan

D. Shehan

C. Kelleher

CHK. BY

C. Kelleher G. Serrato

N/A

REV.

A0

A0 1

A0.2

A1

DATE

04/25/18

05/29/18

05/31/18

07/13/18

Insertion Loss (dB Max)	Return Loss (dB Min)				Cross Talk (dB Min)			CMR (dB Min)	OCL (uH Min)
1~100MHz	1~10MHz	10~30MHz	30~60MHz	60~80MHz	1~30MHz	30~60MHz	60~100MHz	1~100MHz	100KHz,100mV
-1.0	-20	-16	- 12	-10	- 40	-35	-30	- 35	350

DATE

04/25/18

UNITS

mm

G8X-188S7-BP

DRAWN BY

J. Elbanna

Φ





Tolerances



Otherwise

Tab Down, Shielded	

8P8C 10/100 Magjack with POE	