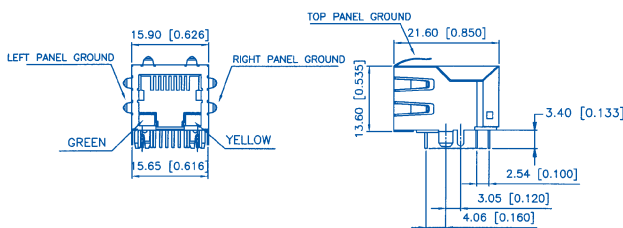
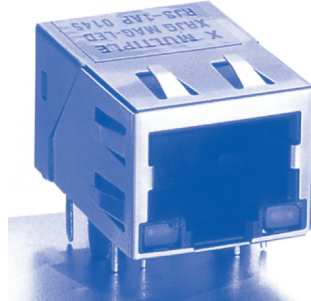
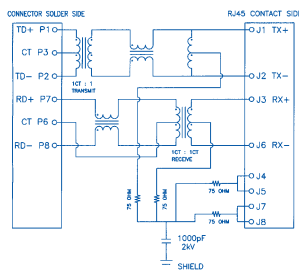


## XRJG-01A-4E1x-xx Series RJ45 Jacks with Integrated Magnetics & LEDs

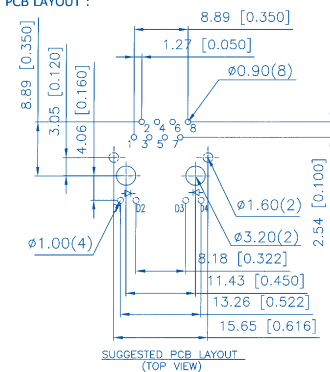
- Through board shielded with spring tab grounds
- 10/100 or Gigabit LAN Magnetics
- Various LED Options available



### XRJG-01A-4-E11-02 Type Schematic



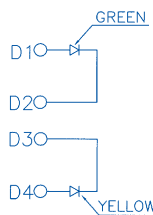
#### PCB LAYOUT :



#### TEST NOTES: (25±5°C)

1. TR: (100KHz, 0.1V);  
PINS: (P1-P2), (J1-J2) = 1:1±3%  
PINS: (P7-P8), (J3-J6) = 1:1±3%
2. LX: (100KHz, 100mV, 8mA, DC Bias)  
PINS: (P1,P2), (P7,P8) = 350uH MINIMUM
3. DCR:  
PINS: (P1-P2), (J1-J2), (J3-J6) = 1.0 OHMS MAXIMUM  
PINS: (P7-P8) = 1.2 OHMS MAXIMUM
4. HIPOI:  
PINS: (P1,P3,P2) TO (J1,J2) = 1500VAC FOR 60 SECONDS  
PINS: (P7,P6,P8) TO (J3,J6) = 1500VAC FOR 60 SECONDS
5. INSERTION LOSS:  
-1.0dB MAXIMUM AT 0.3MHz TO 100MHz;
6. RETURN LOSS:  
-20dB MINIMUM AT 1MHz TO 30MHz;  
-15dB MINIMUM AT 30MHz TO 60MHz;  
-10dB MINIMUM AT 60MHz TO 80MHz
7. CROSS TALK:  
-30dB MINIMUM AT 1MHz TO 100MHz;
8. COMMON TO COMMON MODE REJECTION:  
-30dB MINIMUM AT 1MHz TO 100MHz

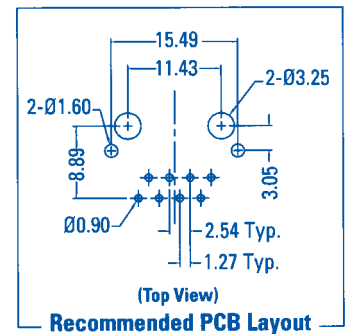
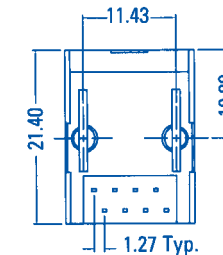
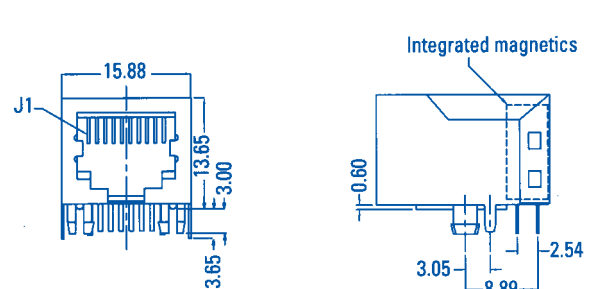
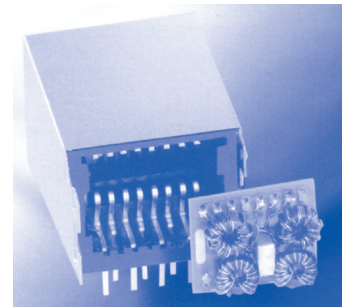
#### LED CONFIGURATION :



Color	Lens Color	W(λ) nm	W(λ) nm	W(λ) nm	W(λ) nm	Viewing angle
Yellow	Yellow Diffused	1.7	2.8	3.0	6.0	116
Green	Green Diffused	1.7	2.8	3.5	6.0	116

## GISX-188-S1-xxxx Series RJ45 Jacks with Integrated Magnetics

- Through board shielded with various magnetics
- Kycon Product - CSA approval no LR78160



### Specification for GISX-S1-188-Sx-xxxx Series

Contact Material:	Phosphor Bronze
Shield Material:	Copper Alloy with Ni Plating
Insulator:	PBT UL94V-0
Current Rating:	1.5 Amps
DWV:	1000 AC for 1 minute
Contact Resistance:	20 milliOhms Max.
Insulation Resistance:	500 MegaOhms min.

### Ordering Information for XRJG-01A-4-E1x-xx Series

Part Number	Magnetics Packages
<b>XRJG-01A-4-E11-02</b> See Schematic above	10/100 with Green/Yellow LEDs
<b>XRJG-01A-4-E19-01</b>	

**Other Magnetics packages available**  
please contact us with your requirements

### Ordering Information for GISX-S1-188-Sx-xxxx Series

Part Number	Magnetics Packages
<b>GISX-188-S1-9001</b>	4 Core module - Cable side module
<b>GISX-188-S1-9025</b>	5 Core module - Cable side module
<b>GISX-188-S1-9075</b>	Common mode choke

**Go to [www.toby.co.uk](http://www.toby.co.uk) for details on available Magnetics packages** - or please contact us with your requirements