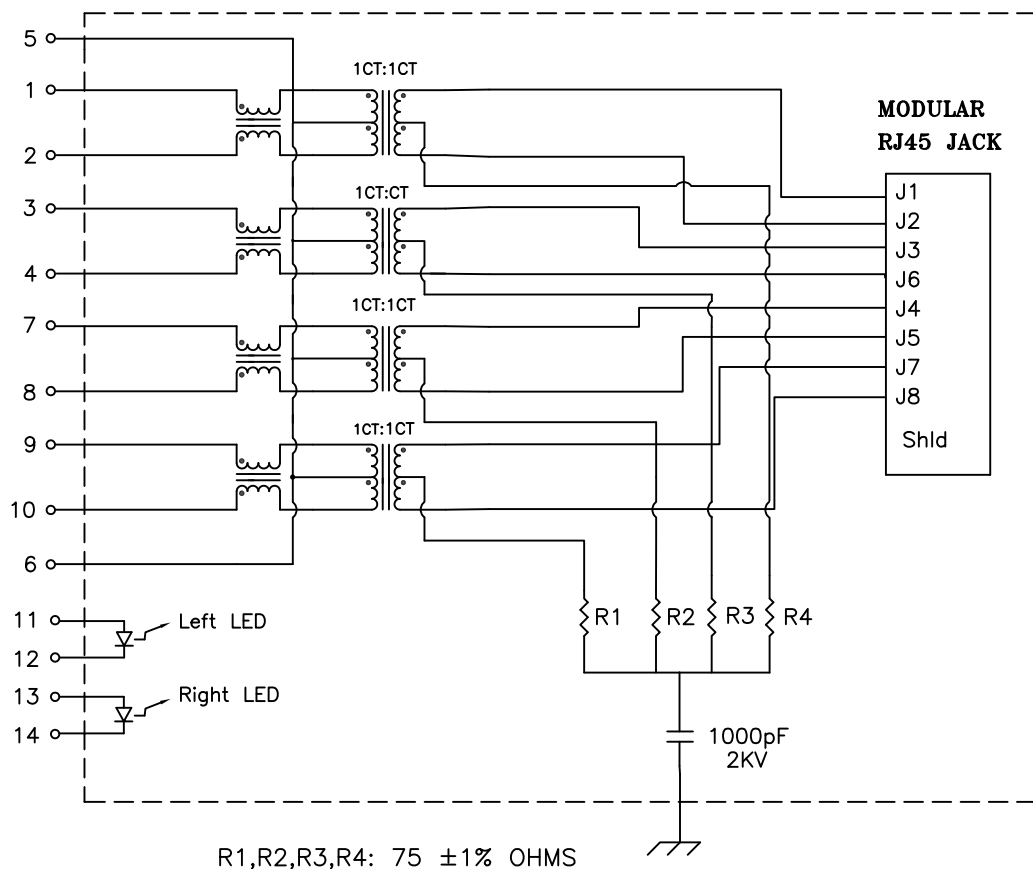


# Schematic:



R1,R2,R3,R4: 75 ±1% OHMS

## Electrical Specifications: @25°C

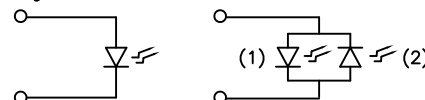
- ISOLATION: 1500 Vrms
- URNS RATIO: (PRI/SEC) 1CT:1CT ±2%
- OCL: 350uH MIN @100KHz 100mV 8mADC
- Rise Time: 1.75ns Max.
- INSERTION LOSS: -1.0dB MAX @1MHz-100MHz  
-1.50dB MAX @100MHz-125MHz
- RETURN LOSS: -18dB Typ @1MHz-40MHz  
-12dB Typ @40MHz-100MHz
- Common to Differential Mode Rejection:  
-35dB Min @100KHz-100MHz
- CMRR: -30dB Min @100KHz-100MHz
- Crosstalk: -33dB Min @30MHz
- Q: 5 MIN @100KHz 100mV

Complete the Combo P/N as follows:

Replace 'x' & 'u' in the part number with one of the LED color letters:  
 Y=Yellow  
 G=Green  
 A=Amber  
 R=Red  
 C=Green(1)/Amber(2) Bicolor  
 D=Amber(1)/Green(2) Bicolor  
 M=Green(1)/Yellow(2) Bicolor  
 N=Yellow(1)/Green(2) Bicolor  
 P=Red(1)/Green(2) Bicolor  
 Q=Green(1)/Red(2) Bicolor

Single Color LED:

Bi-Color LED:



### Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. UL Recognized Component: File Number E165866
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. Electrical and mechanical specifications 100% tested
9. RoHS Compliant Component

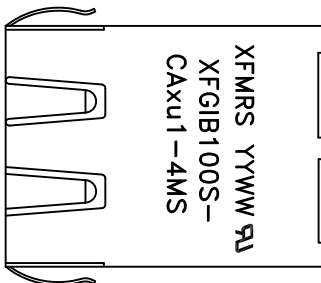
DOC. REV: A/2

**PROPRIETARY:**

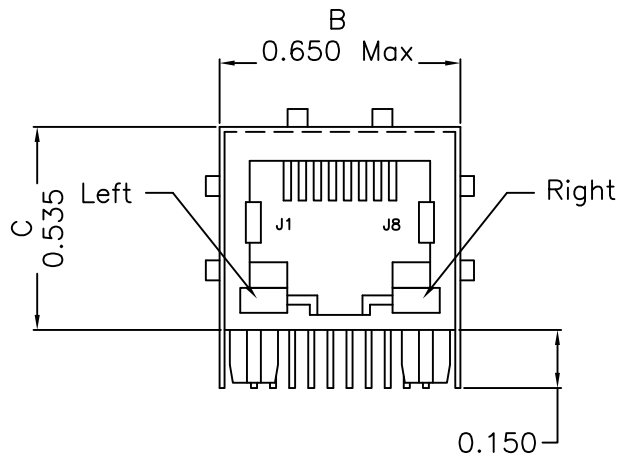
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|                            |  |         |           |
|----------------------------|--|---------|-----------|
| <b>XFMRS Inc.</b>          | Title:<br><b>SINGLE PORT Gigabit COMBO</b> |         |           |
| UNLESS OTHERWISE SPECIFIED | P/N: XFGIB100S-CAxu1-4MS                   | REV. A  |           |
| TOLERANCES:<br>.xxx ±0.010 | DWN.                                       | Yuan    | Jun-11-14 |
| Dimensions in Inch         | CHK.                                       | YK Liao | Jun-11-14 |
| SHEET 1 OF 2               | APP.                                       | DDC     | Jun-11-14 |

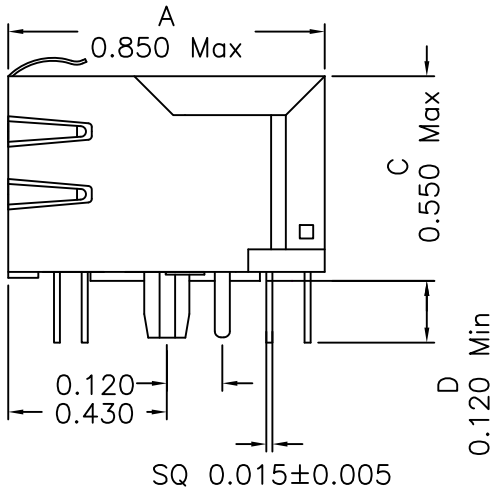
**Mechanical Dimensions:**



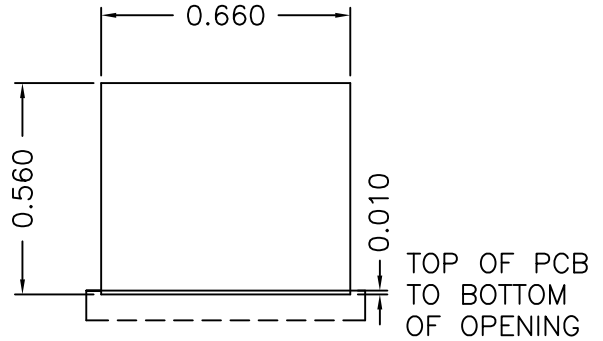
(TOP VIEW)



(FRONT VIEW)

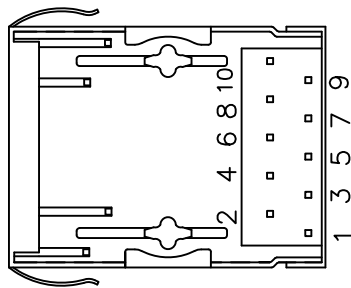


(SIDE VIEW)

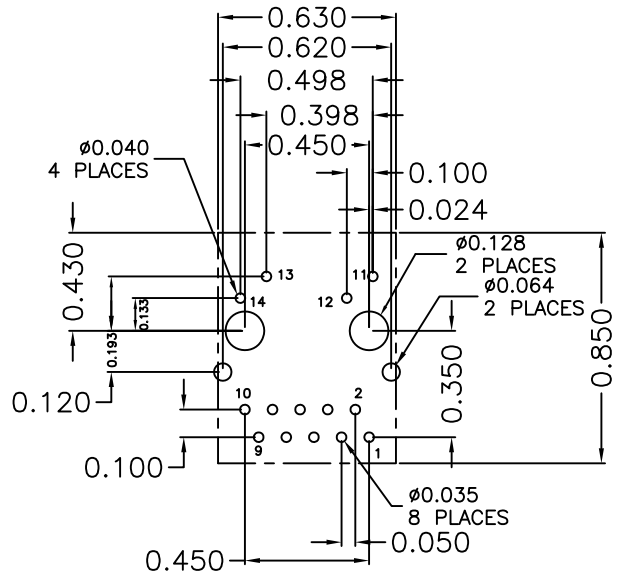


**SUGGESTED PANEL CUTOUT DIMENSIONS**

**Mounting Pattern:**



(BOTTOM VIEW)



DOC. REV: A/2

|  |  |                                 |                  |                            |
|--|--|---------------------------------|------------------|----------------------------|
| <p><b>XFMRS Inc.</b><br/>www.XFMRS.com</p> | <p>Title: Mechanical Dimensions<br/>For CAXu1-4MS Series</p>                             |                                 |                  |                            |
|  | <p>UNLESS OTHERWISE SPECIFIED<br/>TOLERANCES:<br/>.xxx ±0.010<br/>Dimensions in Inch</p> | <p>P/N: XFGIB100S-CAXu1-4MS</p> | <p>REV. A</p>    | <p>DWN. Yuan Jun-11-14</p> |
| <p>SHEET 2 OF 2</p>                        | <p>CHK. YK Liao Jun-11-14</p>  | <p>APP. DDC Jun-11-14</p>       | <p>Jun-11-14</p> | <p>Jun-11-14</p>           |

**PROPRIETARY:**

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