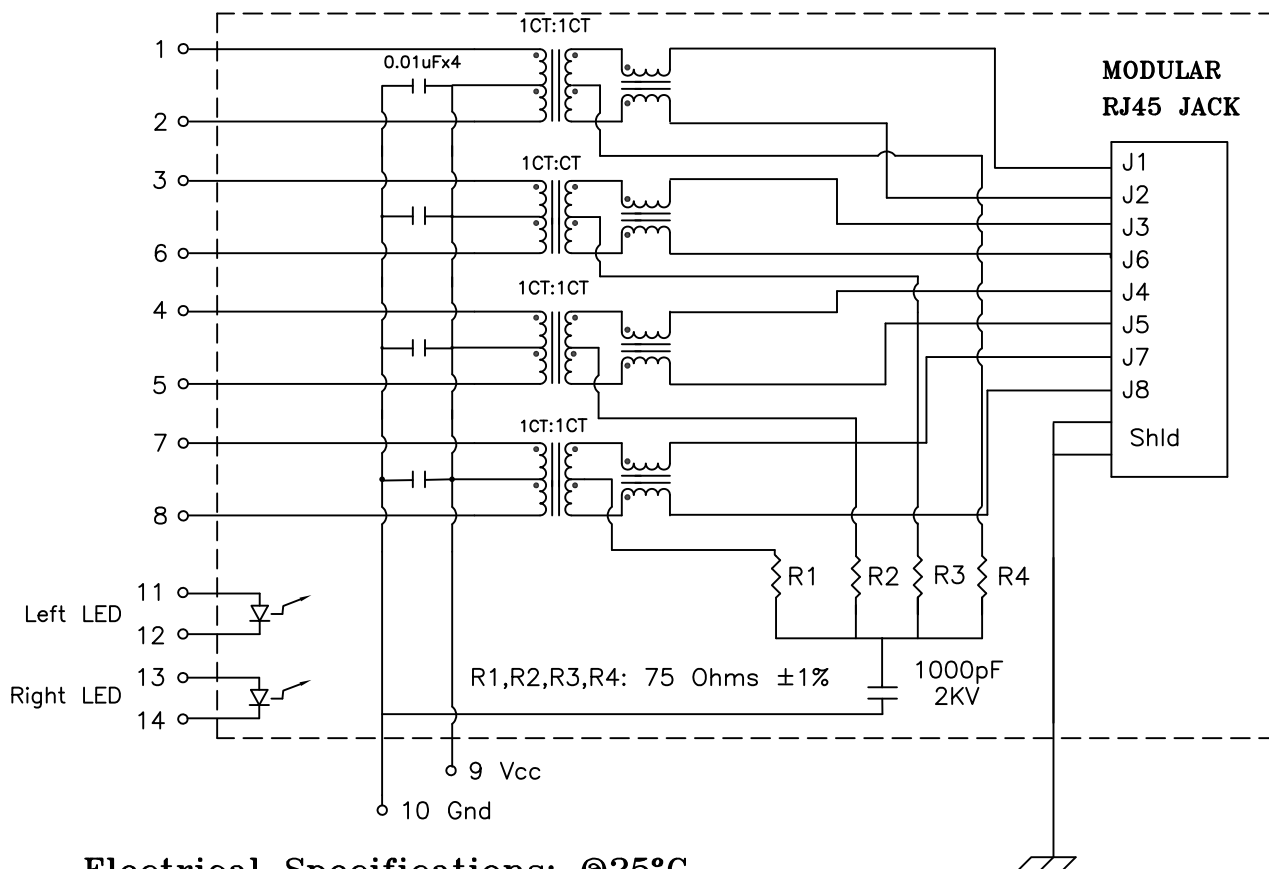


# Schematic: (Single Port)



## Electrical Specifications: @25°C

- ISOLATION: 1500Vrms (See Notes)
- TURNS RATIO: (PRI/SEC) 1CT:1CT ±3%
- OCL: 350uH MIN @100KHz 100mV 8mADC
- Q: 5 Min @100KHz 100mV
- Rise Time: 1.75ns Max.
- INSERTION LOSS: -1.0dB MAX @1MHz-100MHz  
-1.5dB MAX @100-125MHz
- RETURN LOSS: -18dB Min @1-30MHz  
-15dB Min @40MHz -13.1dB Min @50MHz  
-12dB Min @60-80MHz -10dB Min @100MHz
- Differential to Common Mode Rejection:  
-43dB Min @30MHz -37dB Min @80MHz  
-33dB Min @100MHz
- CMRR: -30dB Min @1-100MHz
- Crosstalk: -45dB Min @30MHz  
-40dB Min @60MHz -35dB Min @100MHz

### 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
10. Hipot spec refers to application to wound toroids only

DOC REV: C/8

Complete the Combo P/N as follows:

Replace 'x' & 'u' in the part number with one of the LED color letters:

Y=Yellow	'x' = Left LED Color
G=Green	'u' = Right LED Color
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  
E=Red(1)/Yellow(2) Bicolor  
F=Yellow(1)/Red(2) Bicolor  
H=Amber(1)/Yellow(2) Bicolor

Single Color LED: Bi-Color LED:

**PROPRIETARY:**

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**XFMRs Inc**  
www.XFMRs.com

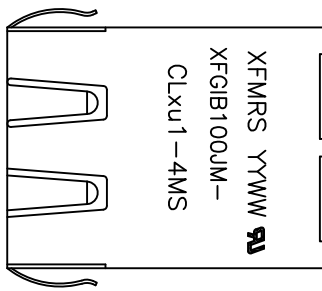
Title: SINGLE PORT GIGABIT W/LED COMBO

UNLESS OTHERWISE SPECIFIED  
TOLERANCES:  
.xxx ±0.010  
Dimensions in Inch

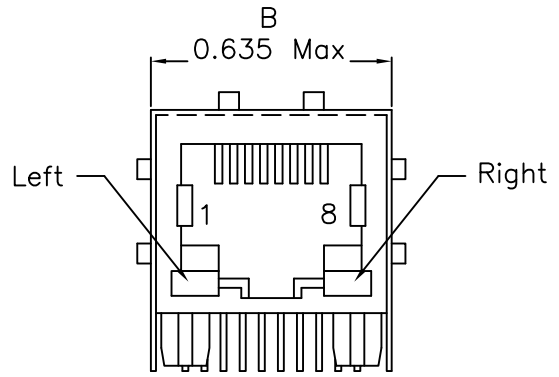
P/N: XFGIB100JM-CLxu1-4MS	REV. C
DWN. Yuan	Apr-10-14
CHK. YK Liao	Apr-10-14
APP. BSJ	Apr-10-14

SHEET 1 OF 2

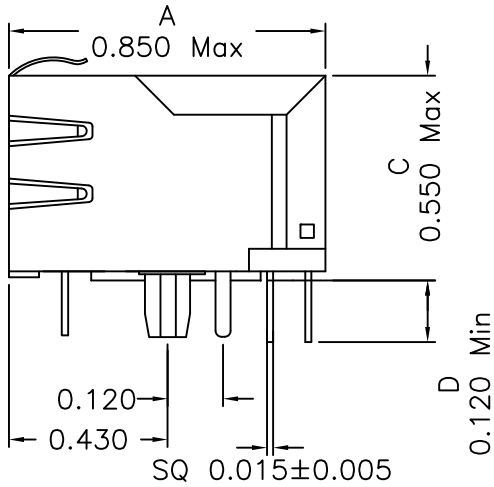
# Mechanical Dimensions:



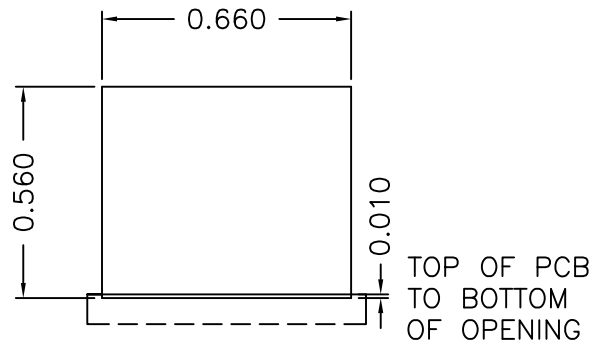
(TOP VIEW)



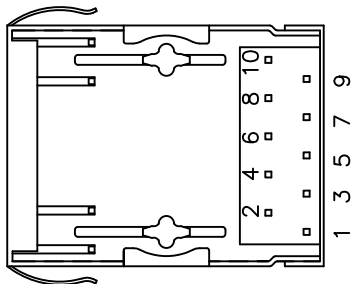
(FRONT VIEW)



(SIDE VIEW)



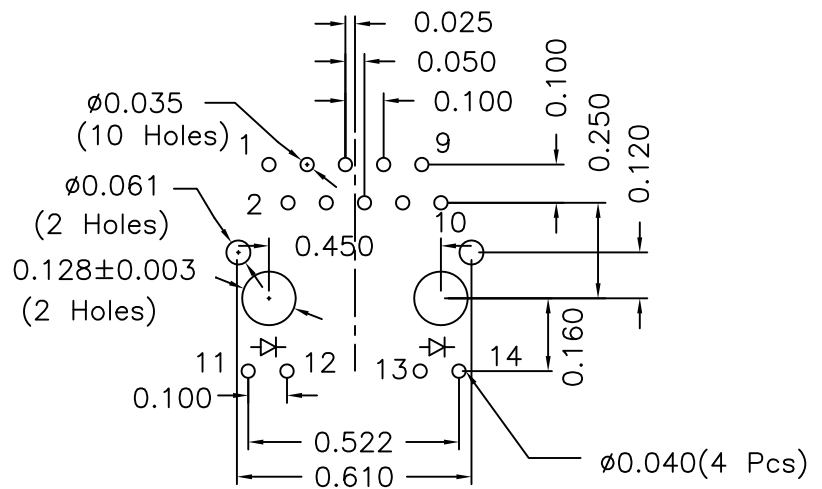
SUGGESTED PANEL  
CUTOUT DIMENSIONS



(BOTTOM VIEW)

## Mounting Pattern:

(COMP SIDE)



DOC REV: C/8

**PROPRIETARY:**

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**XFMRS Inc.**

Title: Mechanical Dimensions  
For CLxu1-4MS Series

UNLESS OTHERWISE SPECIFIED  
TOLERANCES:  
.xxx ±0.010  
Dimensions in Inch

P/N: XFGIB100JM-CLxu1-4MS

REV. C

DWN.

Yuan

Apr-10-14

CHK.

YK Liao

Apr-10-14

SHEET 2 OF 2

APP.

BSJ

Apr-10-14