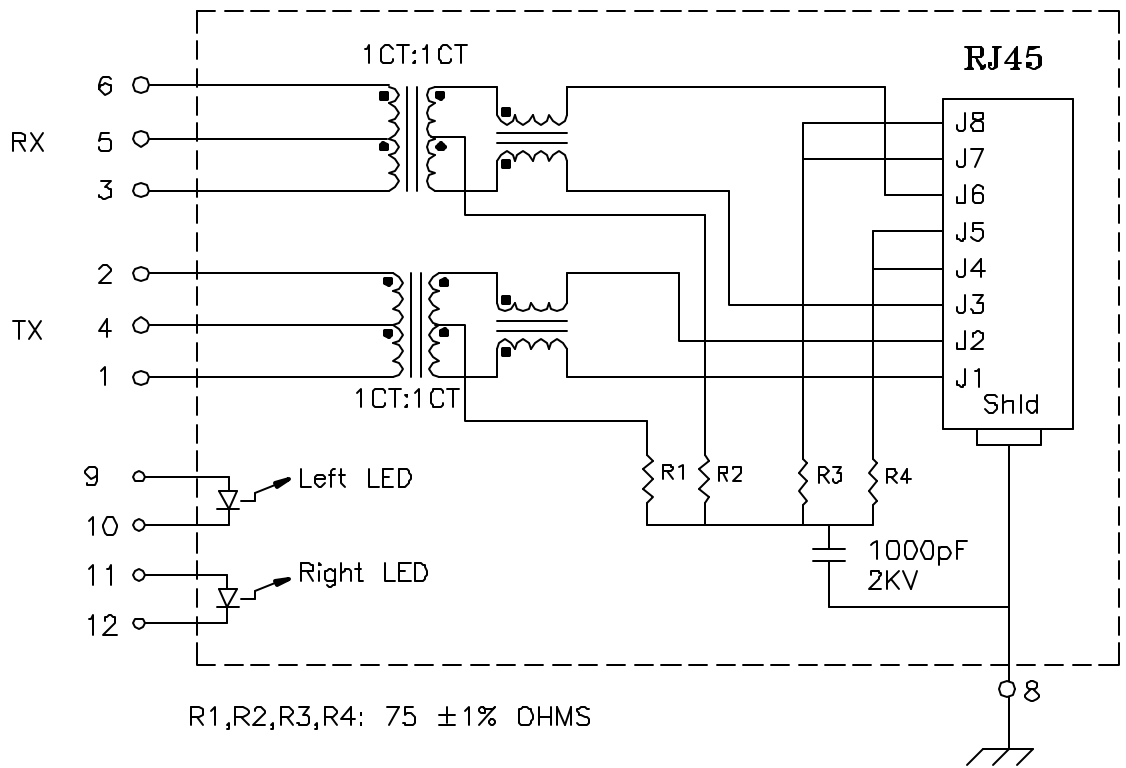


**Schematic:**

(One of Four)



R1,R2,R3,R4: 75 ±1% DHMS

**Electrical Specifications: @25°C**

Isolation Voltage: 1500 Vac

Isolation Voltage: 500 Vac (1+2+4-3+5+6)

UTP SIDE OCL: 350uH Min @100KHz 100mV 8mADC

Leakage Inductance: P6-P3 0.3uH Max @1MHz 100mV Short J6 and J3

Leakage Inductance: P2-P1 0.3uH Max @1MHz 100mV Short J2 and J1

C<sub>ww</sub>: {P6, P5, & P3} to {J6 & J3} 30pF Max @1MHz 100mV

C<sub>ww</sub>: {P2, P4, & P1} to {J2 & J1} 30pF Max @1MHz 100mV

DCR: (J6-J3) = (J2-J1) 1.2 Ohms Max

Rise Time (10-90%): 2.5ns Typ

Insertion Loss (300KHz-100MHz): -1.2dB Max

Return Loss: -18dB Min @1MHz - 30MHz

Return Loss: -16dB Min @31MHz - 59MHz

Return Loss: -12dB Min @60MHz - 100MHz

Crosstalk: -40dB Typ @1MHz to 100MHz

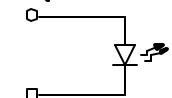
Common Mode to Differential Mode Rejection:

30MHz-100MHz -35dB Typ (Tx) / -35dB Typ (Rx)

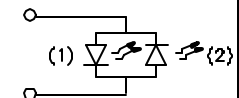
Complete the Combo P/N as follows:

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

Single Color LED:



Bi-Color LED:



**Notes:**

- Solderability. Leads shall meet MIL-STD-202, Method 208D for solderability.
- Flammability: UL94V-0
- ASTM oxygen Index > 28%
- Insulation System Class F 155°C. UL file E15155B
- Operating Temperature Ranges: All listed parameters are to be within tolerance from -40°C to +85°C
- Storage Temperature Range: -65°C to +125°C
- Aqueous wash compatible

DOC REV: A/5

**XFMRs Inc.**

Title: **FOUR PORT COMBO w/ LED's**

UNLESS OTHERWISE SPECIFIED  
 TOLERANCES:  
 .xxx ±0.010  
 Dimensions in Inch  
 SHEET 1 OF 2

P/N: XFATM2R-CLxu4-2MS	REV. A
DWN. Kang Chen	Jan-28-04
CHK. YK Liao	Jan-28-04
APP. MS	Jan-28-04

**PROPRIETARY:**

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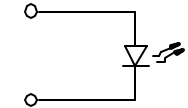
# Mechanical Dimensions: (FOR CLxu4-2MS)

Complete the Combo P/N as follows:

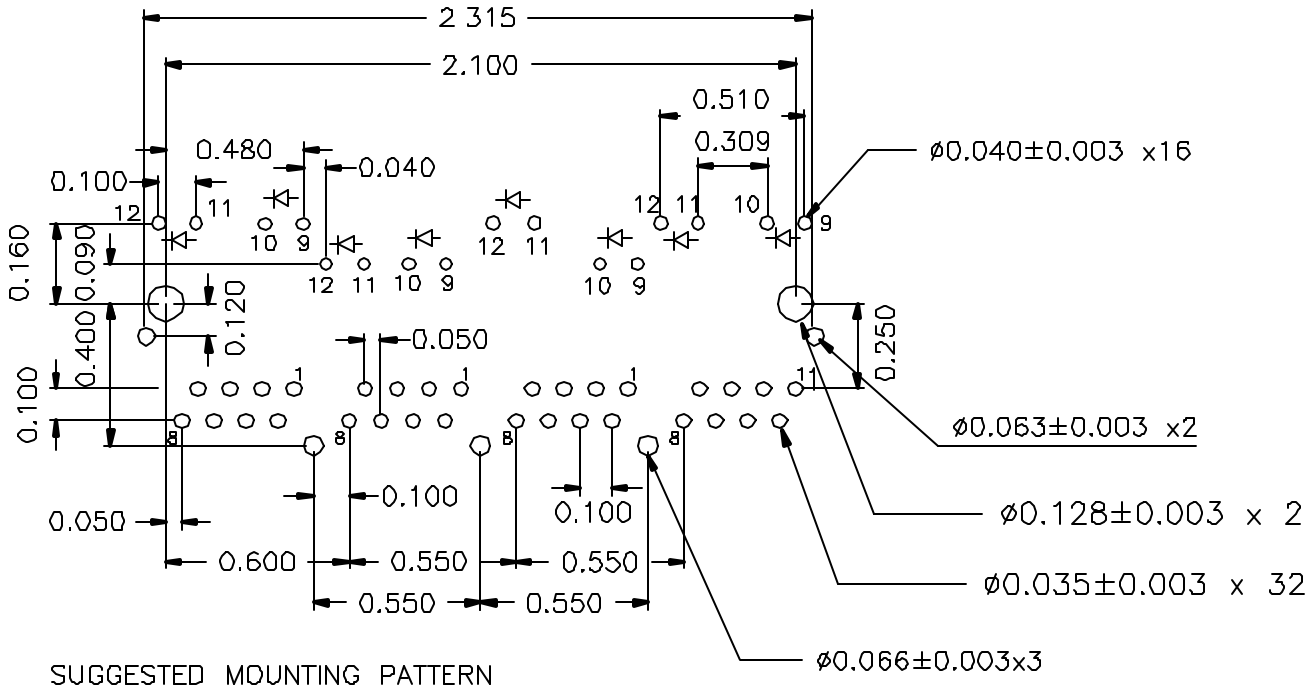
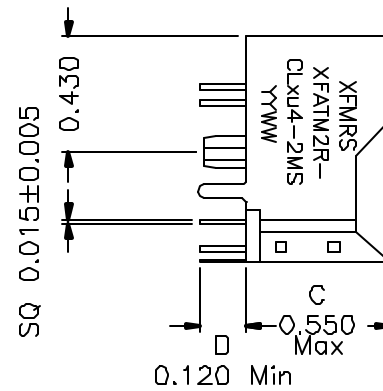
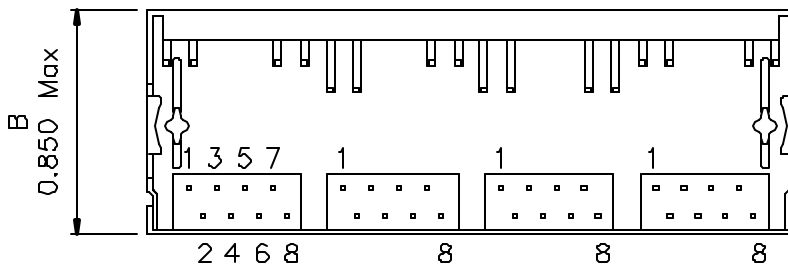
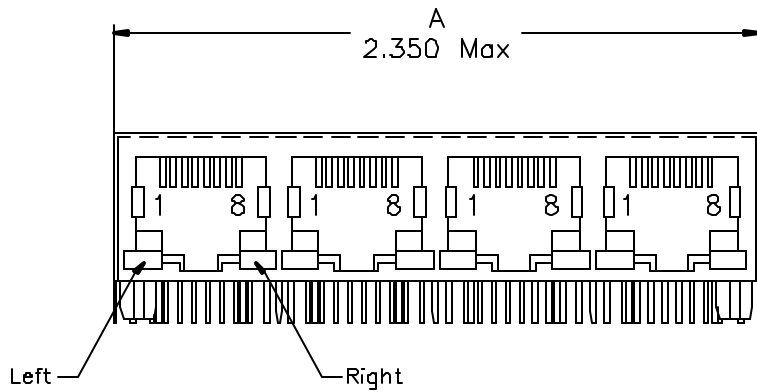
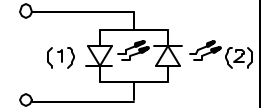
Replace 'x' & 'u' in the part number with one of the LED color letters:

- Y=Yellow
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  - P=Red(1)/Green(2) Bicolor
  - Q=Green(1)/Red(2) Bicolor
- 'x' - Left LED Color  
'u' - Right LED Color

Single Color LED:



Bi-Color LED:



SUGGESTED MOUNTING PATTERN

DOC REV: A/5

**PROPRIETARY:**

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<b>XFMRs Inc.</b>		Title: <b>FOUR PORT COMBO w/ LED's</b>	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010		P/N: XFATM2R-CLxu4-2MS	REV. A
Dimensions in Inch		DWN. Kang Chen	Jan-28-04
SHEET 2 OF 2		CHK. YK Liao	Jan-28-04
		APP. MS	Jan-28-04