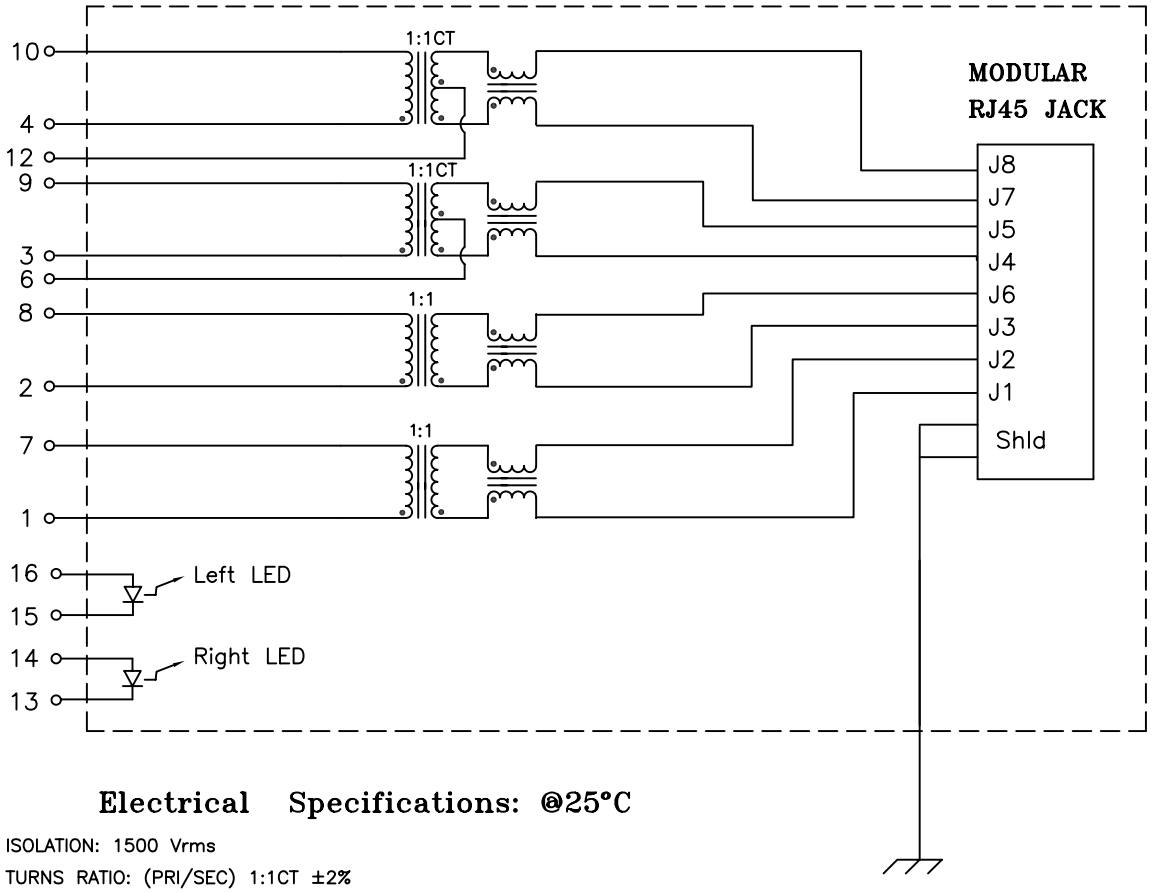
Schematic: (SINGLE PORT)



Electrical Specifications: @25°C

ISOLATION: 1500 Vrms

TURNS RATIO: (PRI/SEC) 1:1CT ±2%

OCL: 350uH MIN @100KHz 100mV 8mADC

Rise Time: 1.75ns Max.

INSERTION LOSS: −1.0dB MAX @1MHz−100MHz

RETURN LOSS:

−18dB Min @1−30MHz −18dB Min @30−40MHz

−16dB Min @40−50MHz −12dB Min @50−100MHz

Common Mode Rejection:

−43dB Min @1−30MHz −37dB Min @30−60MHz

−33dB Min @60−125MHz

Crosstalk: −45dB Min @0.3−30MHz

−43dB Min @30−60MHz −42dB Min @60−100MHz

Balanced DC Line Current: 600mA Max @57Vdc continuous Pins 6 + 12

750mA Max @57Vdc for 200milliseconds Pins 6 + 12

Complete the Combo P/N as follows:

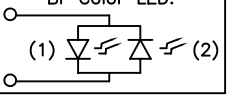
Replace 'x' & 'u' in the part number with one of the LED color letters:

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
E=Red(1)/Yellow(2) Bicolor
F=Yellow(1)/Red(2) Bicolor
H=Amber(1)/Yellow(2) Bicolor
J=Green(1)/Green(2) Bicolor

'x' = Left LED Color
'u' = Right LED Color

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. Insulation System: Class F 155°C. UL file E151556
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. Contact Plating: 30uInches of Gold

DOC REV.: A/1

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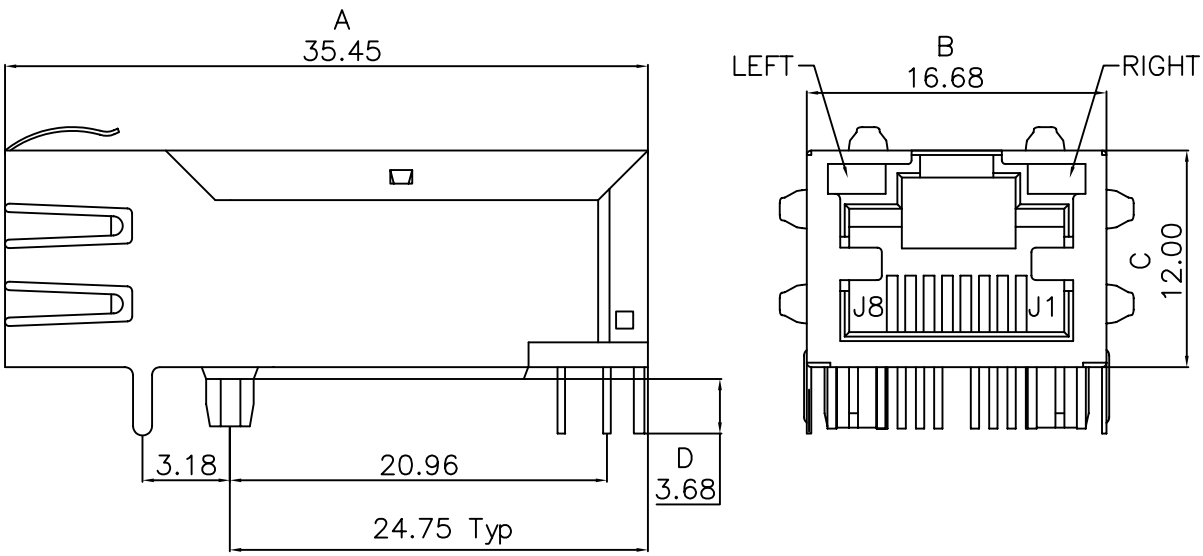
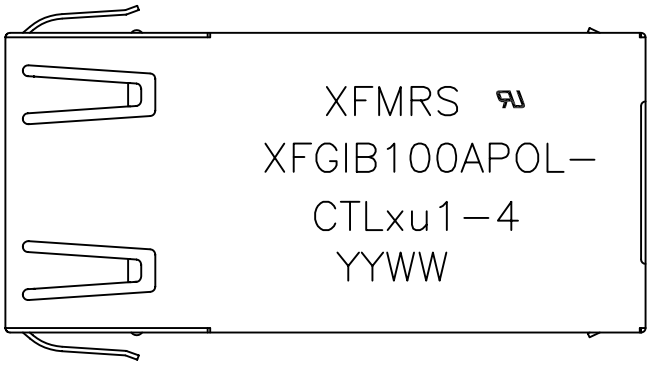
XFMRS Inc. www.XFMRS.com	Title: SINGLE PORT COMBO		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFGIB100APOL−CTLxu1−4		REV. A
	DWN.	Juan Mao	Jan−04−11
	CHK.	YK Liao	Jan−04−11
SHEET 1 OF 2	APP.	BW	Jan−04−11

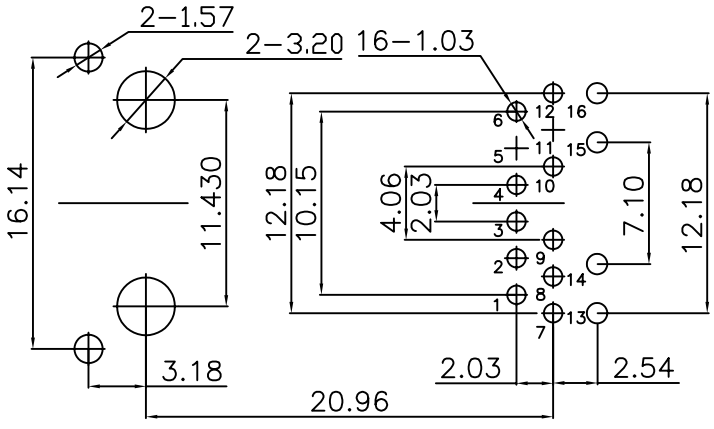
Mechanical Dimensions:





Mounting Pattern:

Remove Pins 5+11



DOC REV: A/1

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XFMRS Inc. www.XFMRS.com	Title: Mechanical Dimensions For TAB UP RJ45 COMBO		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFGIB100APOL-CTLxu1-4		REV. A
	DWN.	Juan Mao	Jan-04-11
	CHK.	YK Liao	Jan-04-11
SHEET 2 OF 2	APP.	BW	Jan-04-11