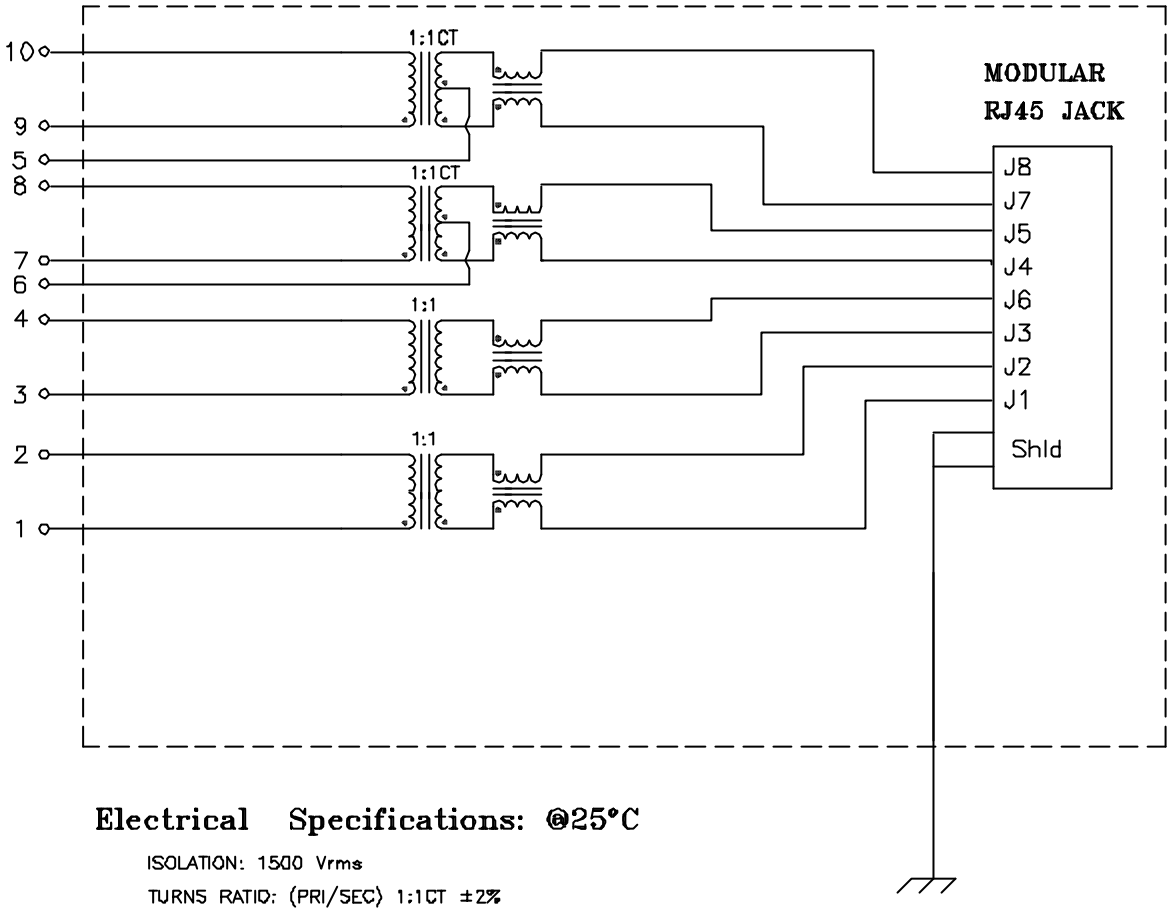
Schematic: (SINGLE PORT)



Electrical Specifications: @25°C

ISOLATION: 1500 Vrms

TURNS RATIO: (PRI/SEC) 1:1CT ±2%

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

DCR: P5-J7 and P5-J8 mismatch, 3% Max

DCR: P6-J4 and P6-J5 mismatch, 3% Max

Rise Time: 1.75ns Max.

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

RETURN LOSS:

-18dB Min @1-30MHz -15dB Min @30-40MHz

-13dB 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: 800mA Max @57Vdc continuous Pins 5 + 6

1000mA Max @57Vdc for 200milliseconds Pins 5 + 6

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: 30ulnches of Gold

DOC REV.: A/7

PROPRIETARY:

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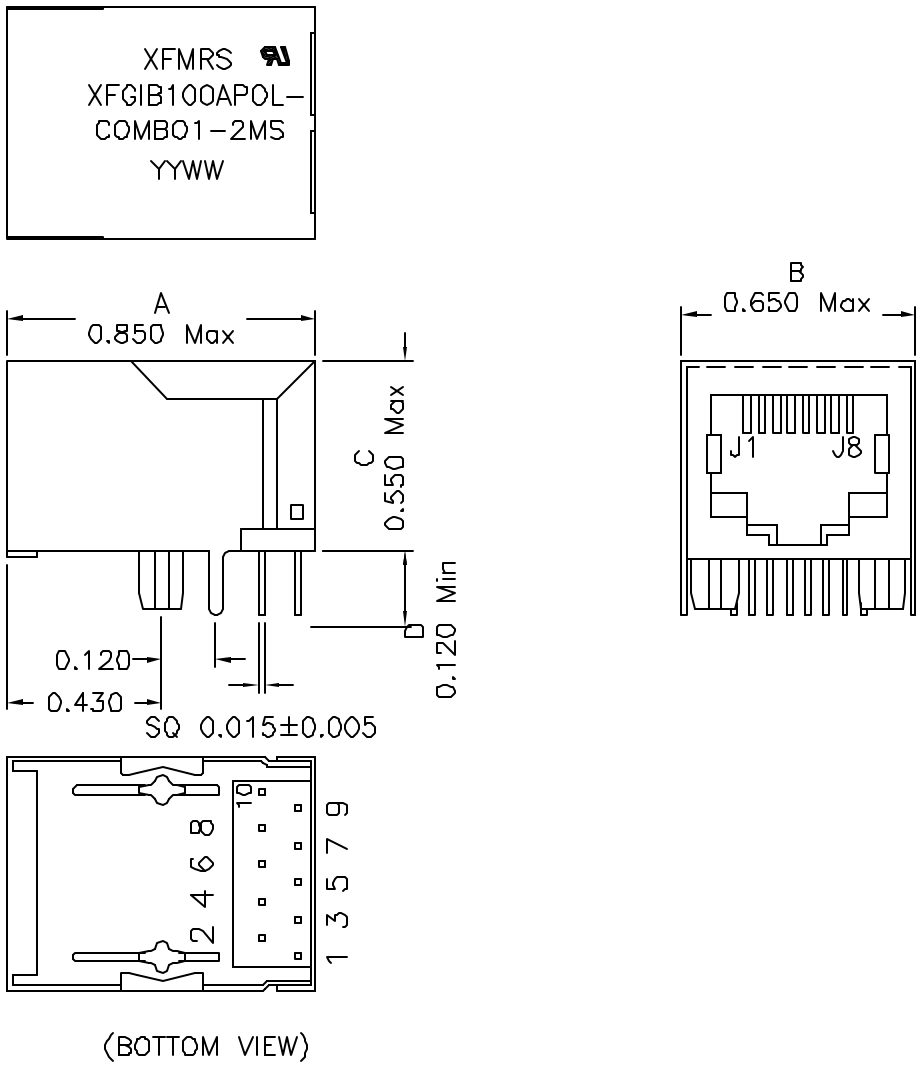
XFMRS Inc. www.XFMRS.com	Title: SINGLE PORT COMBO		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFGIB100APOL-COMB01-2MS		REV. A
	DWN.	Juan Mao	Jan-28-08
	CHK.	YK Liao	Jan-28-08
SHEET 1 OF 2	APP.	BW	Jan-28-08

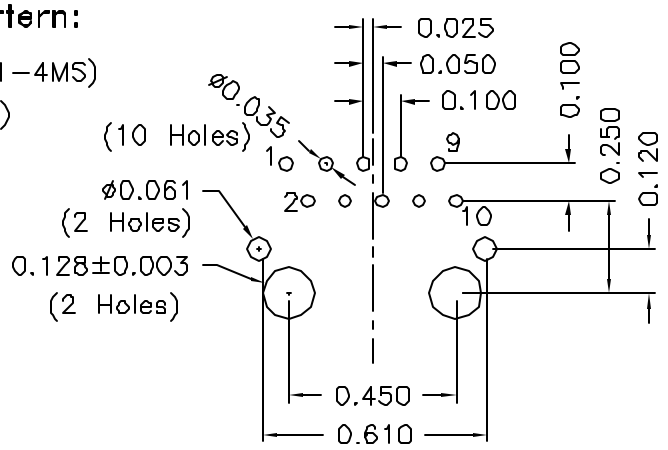
Mechanical Dimensions:



(BOTTOM VIEW)

Mounting Pattern:

(FOR COMB01-4MS)
(COMP SIDE)



DOC. REV: A/7

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XFMRS Inc. www.XFMRS.com	Title: Mechanical Dimensions For COMB01-2MS Series		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFGIB100APOL-COMB01-2MS		REV. A
	DWN.	Juan Mao	Jan-28-08
	CHK.	YK Liao	Jan-28-08
SHEET 2 OF 2	APP.	BW	Jan-28-08