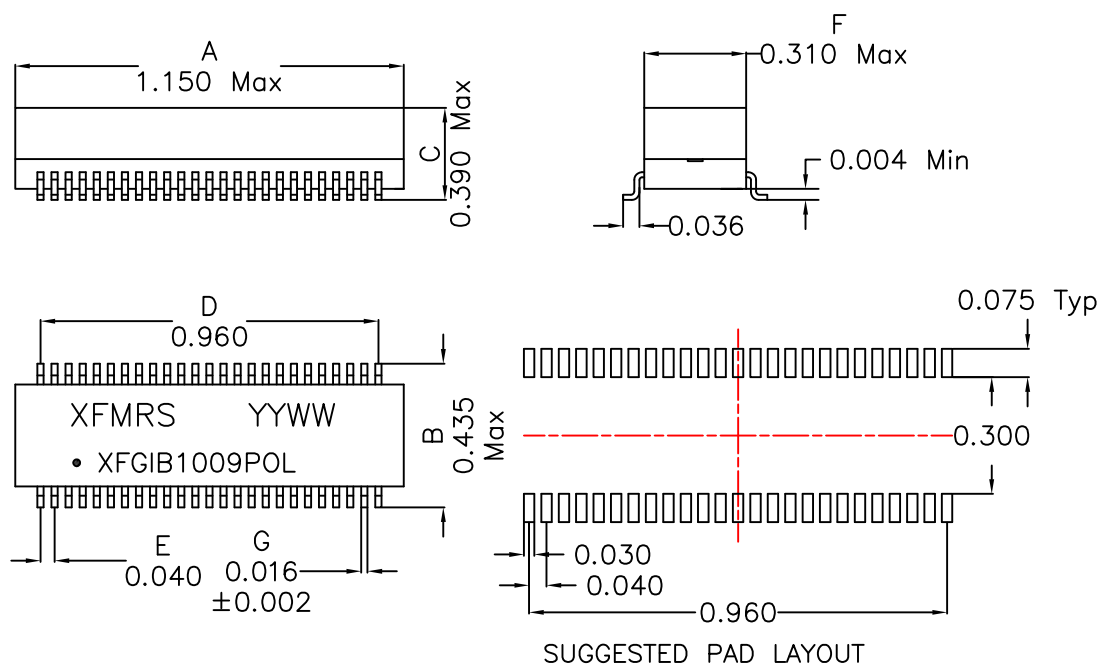
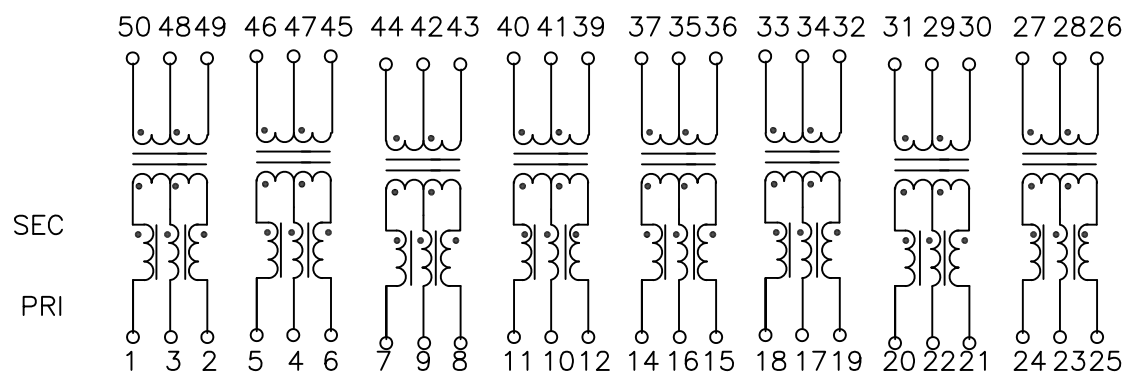


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

ISOLATION: 1500 Vrms

URNS RATIO: (PRI/SEC) 1CT:1CT $\pm 2\%$

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

Rise Time: 1.75ns Max.

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

RETURN LOSS: -18dB Min @1-30MHz

-14.4dB Min @40MHz -13.1dB Min @50MHz

-12dB Min @60-80MHz -10dB Min @100MHz

Differential to Common Mode Rejection:

-40dB Min @30MHz -35dB Min @60MHz

-30dB Min @100MHz

CMRR: -30dB Min @1-100MHz

Crosstalk: -40dB Min @30MHz

-33dB Min @60MHz -28dB Min @100MHz

Rated Current: Pins 48, 47, 42, 41, 35, 34, 29, 28
600mA Continuous @ 48Vdc

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. SMD Lead Coplanarity: $\pm 0.004"$ (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 250C Max.

XFMRS Inc www.XFMRS.com	Title: DUAL 1000BASE-T POE+		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ± 0.010 Dimensions in INCH		
SHEET 1 OF 1	P/N: XFGIB1009POL	REV. A	
	DWN.	Yuan	Apr-19-14
	CHK.	YK Liao	Apr-19-14
	APP.	BW	Apr-19-14

DOC REV: A/3

PROPRIETARY

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