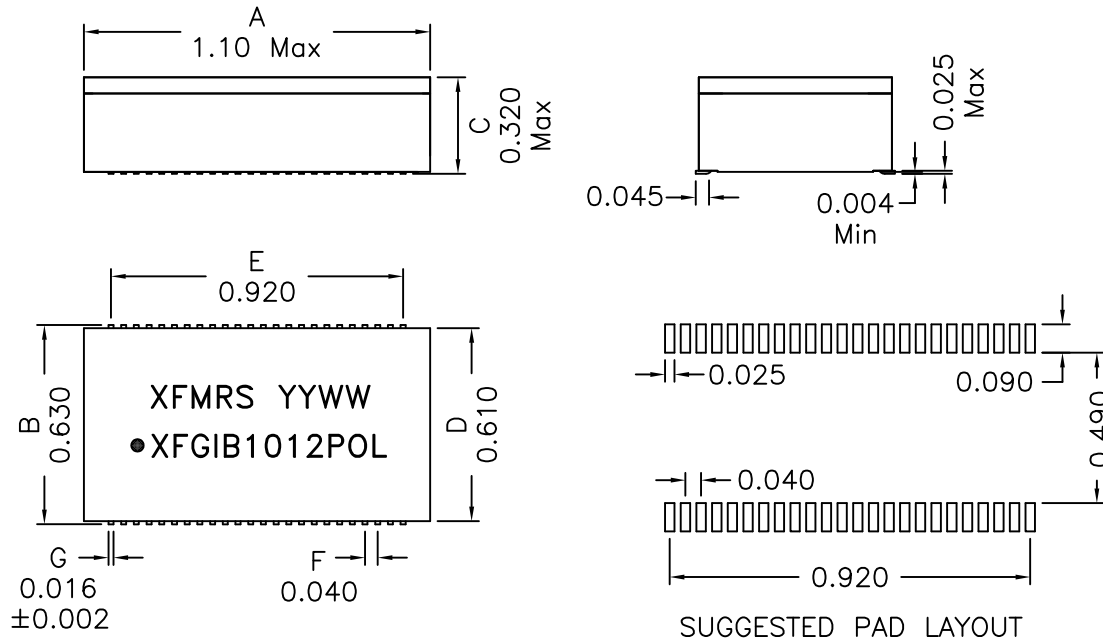
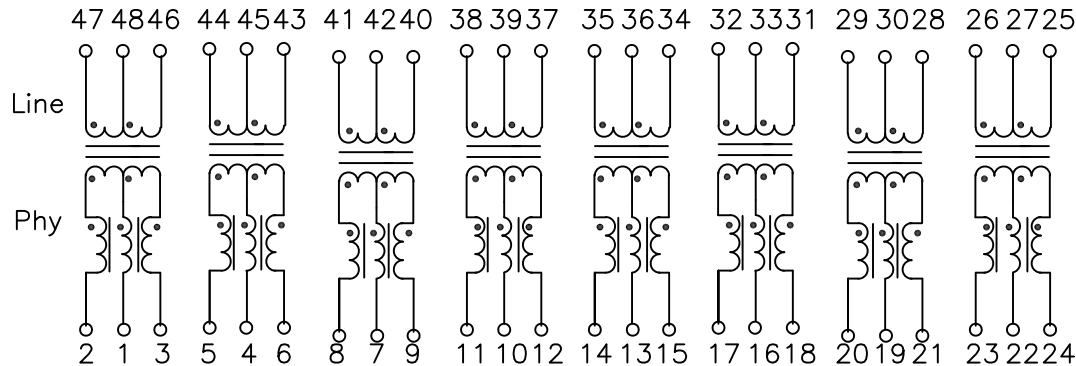


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

ISOLATION: 1500 Vrms Pri to Sec
 TURNS RATIO: (PRI/SEC) 1CT:1CT ±2%
 OCL: 350uH MIN @100KHz 100mV 8mADC
 Rise Time: 1.75ns Max.
 INSERTION LOSS: -1.0dB MAX
 @1MHz-100MHz, 0/350mA DC through Auto-XFMRS
 RETURN LOSS: -18dB Min @1-40MHz
 -12dB Min @40-80MHz
 -10dB Min @80-100MHz
 Differential to Common Mode Rejection:
 -40dB Min @30-60MHz
 -35dB Min @60-100MHz
 CMRR: -30dB Min @1-100MHz
 Crosstalk: -45dB Min @30MHz
 -40dB Min @60MHz -35dB Min @100MHz
 Rated Current: Pins 48,45,42,39,36,33,30,27
 800mA Max @57Vdc continuous
 1200mA Max @57Vdc for 200milliseconds
 Q: 5 Min @10KHz 50mV
 Line Side 1/2 wdg DCR: 0.350 Ohms Max

Notes:

- Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
- Flammability: UL94V-0
- ASTM oxygen index: > 28%
- Insulation System: Class F 155°C. UL file E151556
- Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
- Storage Temperature Range: -55°C to +125°C
- Aqueous wash compatible
- SMD Lead Coplanarity: ±0.004"(0.102mm)
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component

XFMRS Inc www.XFMRS.com	Title: 1000BASE-T Modules			
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010	P/N: XFGIB1012POL	REV. B	
Dimensions in INCH	DWN.	Feng	Jan-13-14	
SHEET 1 OF 1	CHK.	YK Liao	Jan-13-14	
	APP.	BSJ	Jan-13-14	

DOC. REV: B/2