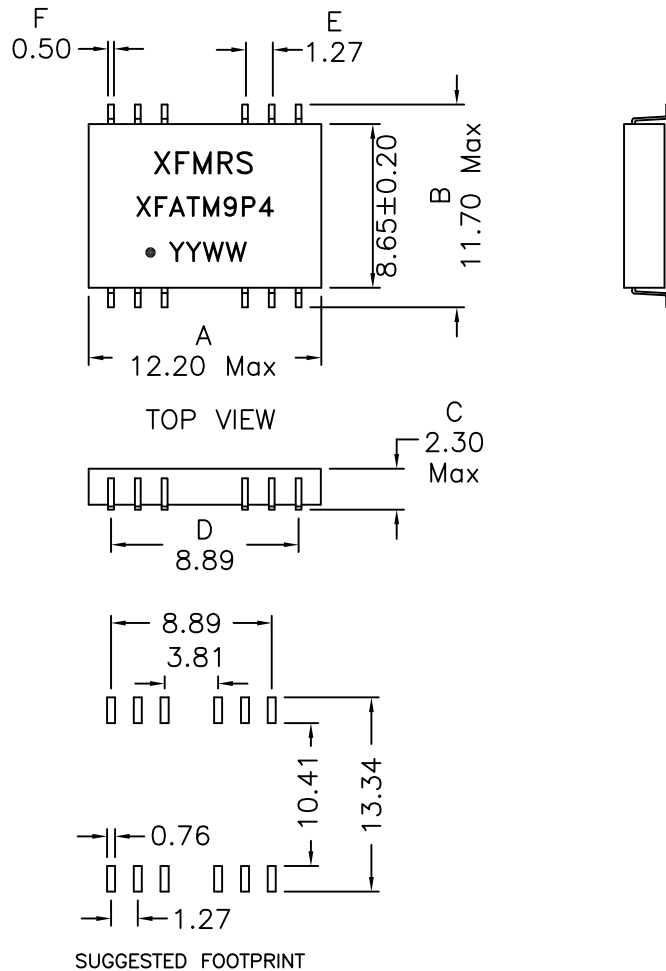


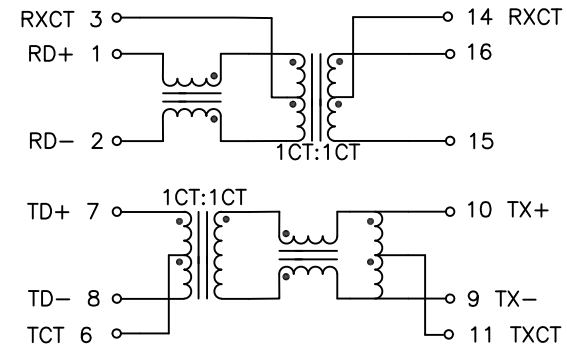
## 1. Mechanical Dimensions:



### 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:  $\pm 0.004''$  (0.102mm)
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- Recommended IR Reflow peak temp of 250C Max.

## 2. Schematic:



## 3. Electrical Specifications: @25°C

HIPOT: 1500Vrms Min

OCL: P1-2, P7-8 350uH Min. @100KHz 0.1V

Q: P1-2, P7-8 5 Min. @10KHz 50mV

Turns Ratio (1-3-2):(16-14-15) = 1CT:1CT $\pm$ 3%

Turns Ratio (7-6-8):(10-11-9) = 1CT:1CT $\pm$ 3%

Insertion Loss: 100KHz-100MHz -2.0dB Max.

Return Loss:

-18dB Max. @30MHz

-14dB Max. @60MHz

-12dB Max. @80MHz

Differential to Common Mode Rejection:

-40dB Max. @ 30MHz

-35dB Max. @ 50MHz

-30dB Max. @ 100MHz

Crosstalk:

-20dB Max. @ 150MHz

-50dB Max. @30MHz

-45dB Max. @62MHz

-40dB Max. @100MHz

**XFMRs Inc**  
www.XFMRS.com

Title:

10/100BASE-TX Filter Modules

UNLESS OTHERWISE SPECIFIED

TOLERANCES:

.xx  $\pm$ 0.25

Dimensions in MM

SHT 1 OF 1

P/N: XFATM9P4

DWN.

CHK.

APP.

Yuan

YK Liao

BSJ

REV. B

Aug-14-13

Aug-14-13

Aug-14-13

DOC. REV: B/2

**PROPRIETARY**

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