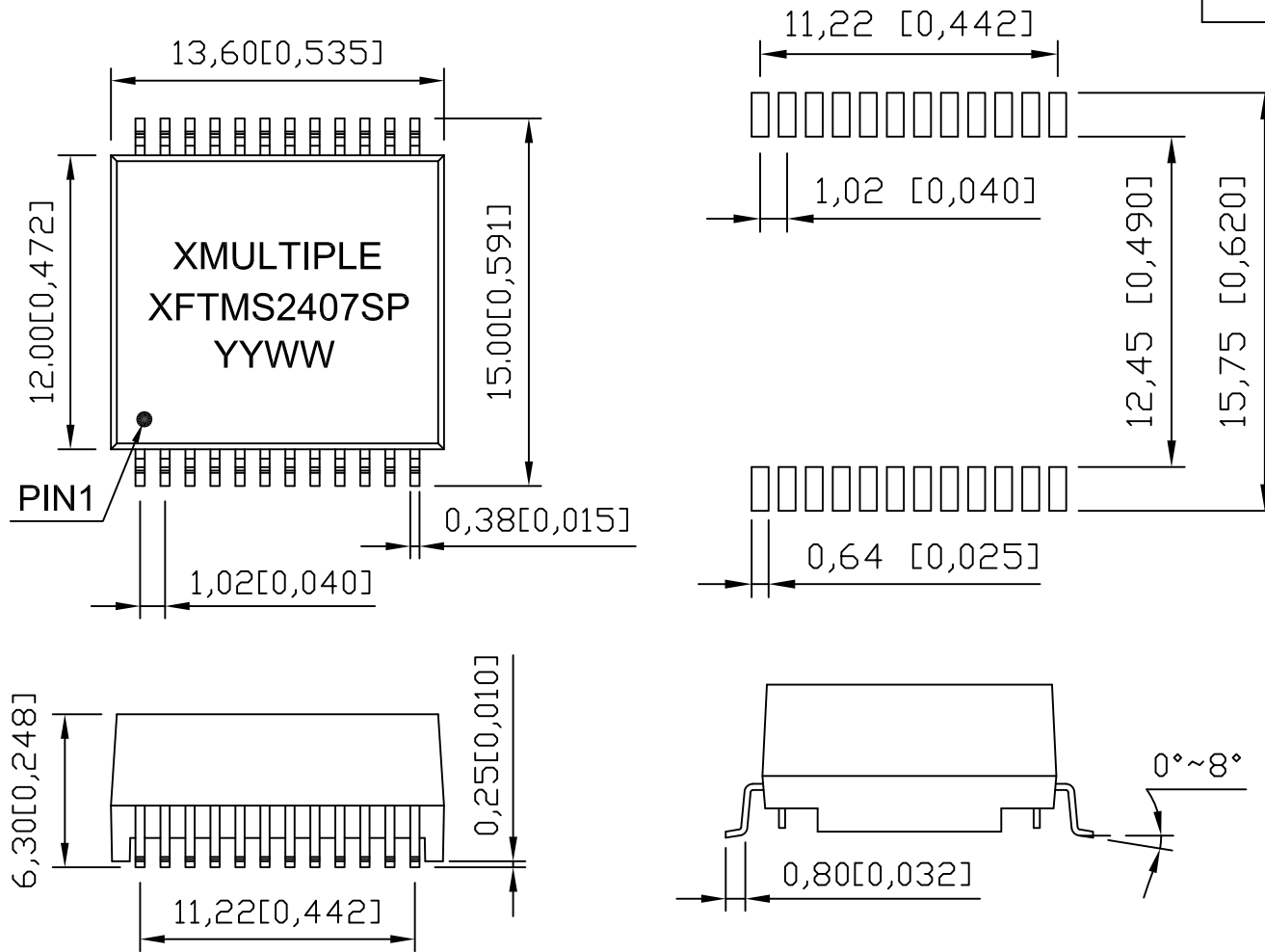


# 1. MECHANICAL DIMENSIONS :

REV.	CHANGGE DESCRIPTION	DATE
01	New Issue	2011-8-11



RoHS Compliant

NOTE. DIMENSIONS:MM(INCHES)/UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.25(0.010).

XMULTIPLE TECHNOLOGIES, INC.	A4 SIZE	XMULTIPLE PART NO.: XF-TMS2407SP	VENDOR PART NO.:		Drawn:	Rita	
					Designed:	Evan	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMULTIPLE TECHNOLOGIES, INC. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSSES OR DEVICES WITHOUT PERMISSION.	THIRD ANGLE PROJECTION	DESCRIPTION: 10/100 BASE-T TRANSFORMER MODULES	UNIT	mm[inch]	USED ON	Approved:	Paul Li
			SHEET	1 OF 2	REV.	01	Date:

1

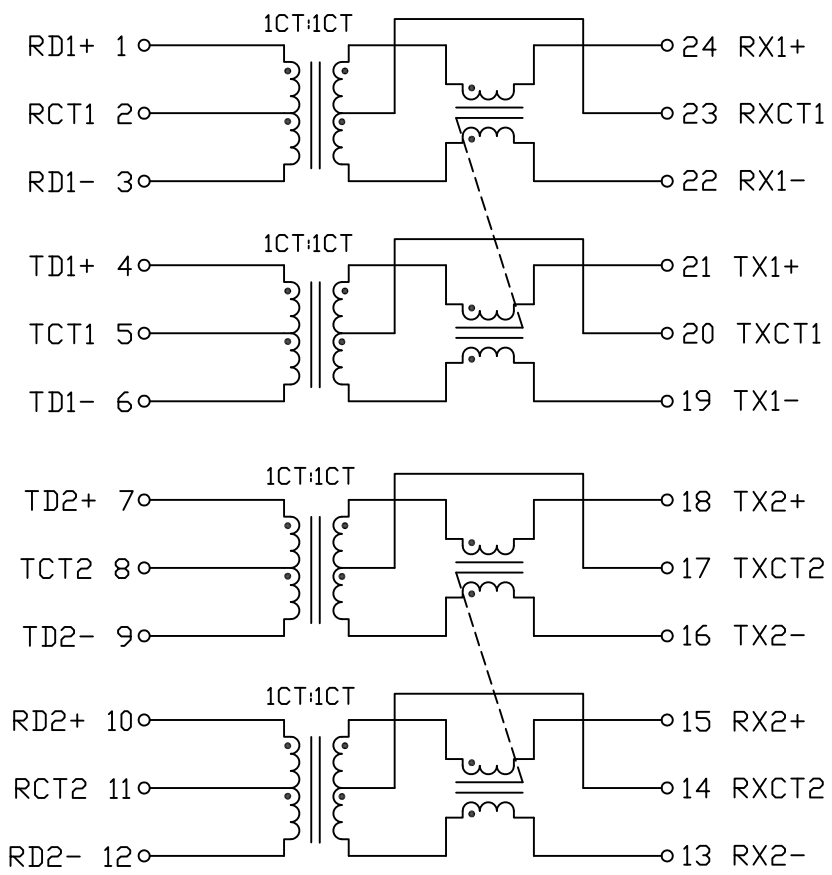
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REV.	CHANGGE DESCRIPTION	DATE
01	New Issue	2011-8-11

### 2. SCHEMATIC:



RoHS Compliant

### 3. ELECTRICAL CHARACTERISTICS :

- TEST NOTES:(25°±5°C)
- TR:(100KHz,0.1V); 100%  
PINS:(1,3):(24,22)=1:1±3%;(4,6):(21,19)=1:1±3%  
PINS:(7,9):(18,16)=1:1±3%;(10,12):(15,13)=1:1±3%
  - LX:(100KHz,0.1V,8mA, DC Bias) 100%  
PINS:(1,3),(4,6),(7,9),(10,12)=350uH MINIMUM
  - DCR: 100%  
PINS:(24,22),(21,19),(18,16),(15,13)=1.4 Ω MAXIMUM
  - HIPOT: 100%  
PINS(1,2,3)TO(24,23,22),(4,5,6)TO(21,20,19)=1500VAC FOR 60 SECONDS  
PINS(7,8,9)TO(18,17,16),(10,11,12)TO(15,14,13)=1500VAC FOR 60 SECONDS
  - INSERTION LOSS:  
-1.2dB MAXIMUM AT 1MHz TO 100MHz;
  - RETURN LOSS:  
-16dB MINIMUM AT 1MHz TO 30MHz;  
-14dB MINIMUM AT 30MHz TO 40MHz;  
-13dB MINIMUM AT 40MHz TO 50MHz;  
-12dB MINIMUM AT 60MHz TO 80MHz;
  - CROSS TALK:  
-43dB MINIMUM AT 1MHz TO 30MHz;  
-37dB MINIMUM AT 30MHz TO 60MHz;  
-31dB MINIMUM AT 60MHz TO 100MHz;
  - DIFFERENTIAL TO COMMON MODE REJECTION:  
-43dB MINIMUM AT 1MHz TO 30MHz;  
-37dB MINIMUM AT 30MHz TO 60MHz;  
-33dB MINIMUM AT 60MHz TO 100MHz;
  - 720mA CURRENT CAPABILITY.
  - OPERATING TEMPERATURE 0°C TO 70°C.

A

A

B

B

C

C

XMULTIPLE TECHNOLOGIES, INC.

A4  
SIZE

MULTIPLE PART NO.:  
XF-TMS2407SP

VENDOR PART NO.:

Drawn: Rita

Designed: Evan

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THIRD ANGLE  
PROJECTION

DESCRIPTION:  
10/100 BASE-T TRANSFORMER MODULES

UNIT	mm[inch]	USED ON	
SHEET	2 OF 2	REV.	01

Approved: Paul Li  
Date: 2011-8-11

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2

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