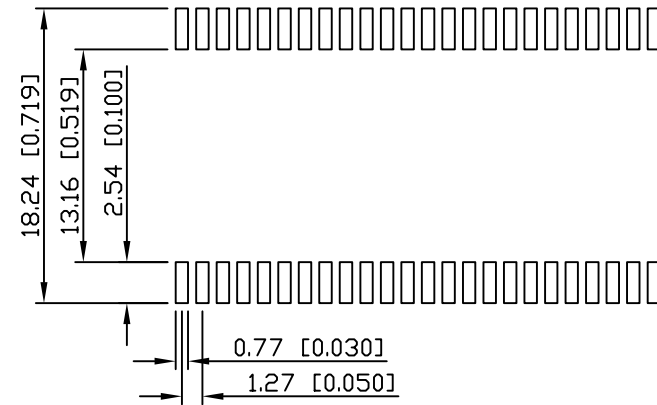
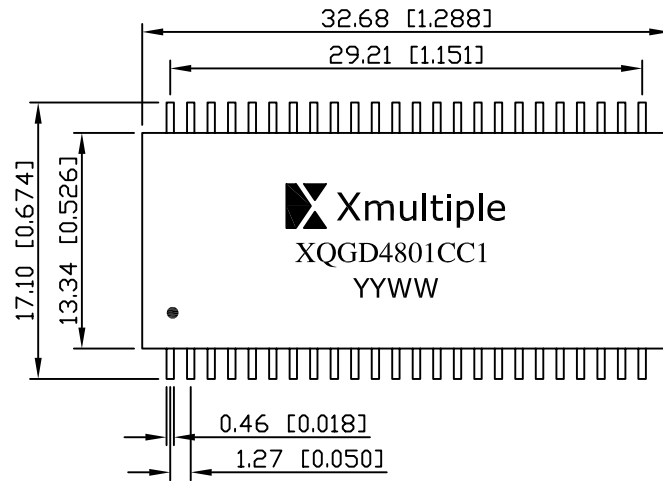
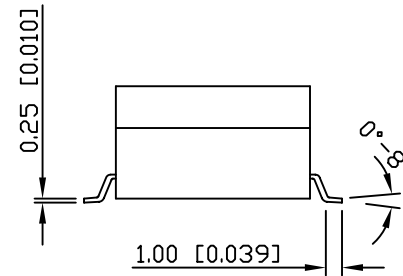
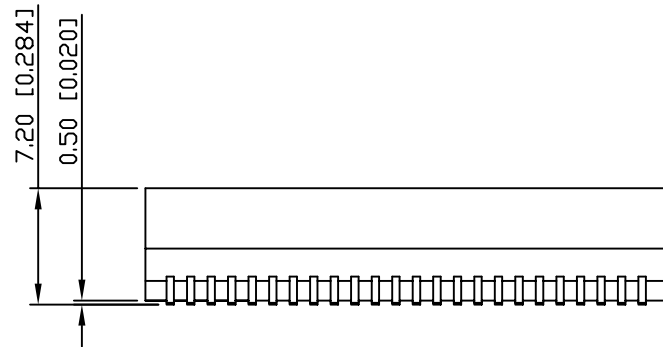


1. MECHANICAL DIMENSIONS :



SUGGESTED PAD LAYOUT

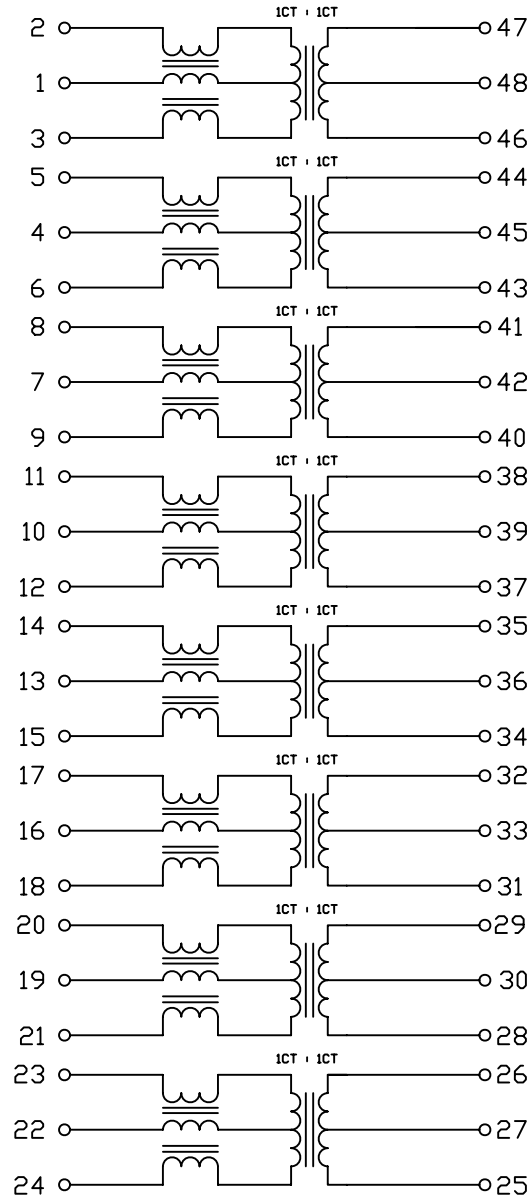


RoHS Compliant

Dimensions: Inches/mm
Unless otherwise specified, all tolerances are ± 0.25

X MULTIPLE		CONNECTING THE INFORMATION AGE	
XMULTIPLE ASIA 4F, No. 347, Yang Guang St., Neihu, Taipei, Taiwan 11475		XMULTIPLE USA 1420 Los Angeles Ave., Suite G, Simi Valley, CA 93065	
THIS DRAWING IS A CONTROLLED DOCUMENT.			G/NO:
TITLE: High Speed Lan 100 Base-T/1000 Base Magnetics Module With PoE Plus			DWG NO: XTFZ-QGD4801CC1
PART NO: XTFZ-QGD4801CC1			DRAWN: TOM
			CHKD: TARA
			DATE: Aug.12,08
UNIT mm[Inch]	SHEET 1 of 2	REV 01	

2. SCHEMATIC :





3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25*±5°C)

- TR:(100KHz,0.1V)
 PINS:(2,3):(47,46)=1:1±3%;(5,6):(44,43)=1:1±3%
 PINS:(8,9):(41,40)=1:1±3%;(11,12):(38,37)=1:1±3%
 PINS:(14,15):(35,34)=1:1±3%;(17,18):(32,31)=1:1±3%
 PINS:(20,21):(29,28)=1:1±3%;(23,24):(26,25)=1:1±3%
- LX:(100KHz,100mV,8mA, DC Bias)
 PINS:(2,3),(5,6),(8,9),(11,12),(14,15),(17,18),(20,21),(23,24)=350uH MINIMUM
- DCR
 PINS:(47,46),(44,43),(41,40),(38,37),(35,34),(32,31),(29,28),(26,25)=0.9 Ω MAXIMUM
- HIPDT:
 PINS:(2,1,3)TD PINS:(47,48,46)=1500VAC
 PINS:(5,4,6)TD PINS:(44,45,43)=1500VAC
 PINS:(8,7,9)TD PINS:(41,42,40)=1500VAC
 PINS:(11,10,12)TD PINS:(38,39,37)=1500VAC
 PINS:(14,13,15)TD PINS:(35,36,34)=1500VAC
 PINS:(17,16,18)TD PINS:(32,33,31)=1500VAC
 PINS:(20,19,21)TD PINS:(29,30,28)=1500VAC
 PINS:(23,22,24)TD PINS:(26,27,25)=1500VAC
- INSERTION LOSS:
 -1.0dB MAXIMUM AT 1MHz TO 100MHz
- RETURN LOSS:
 -18dB MINIMUM AT 1MHz TO 30MHz
 -12dB MINIMUM AT 60MHz TO 80MHz
 -10dB MINIMUM AT 100MHz
- CROSS TALK:
 -43dB MINIMUM AT 30MHz
 -37dB MINIMUM AT 60MHz
 -33dB MINIMUM AT 100MHz
- DIFFERENTIAL TO MODE REJECTION:
 -45dB MINIMUM AT 30MHz
 -40dB MINIMUM AT 60MHz
 -35dB MINIMUM AT 100MHz

RoHS Compliant

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THIS DRAWING IS A CONTROLLED DOCUMENT.		G/NO:	
TITLE: High Speed Lan 100 Base-T/1000 Base Magnetics Module With PoE Plus		DWG NO: XTFZ-QGD4801CC1	
PART NO: XTFZ-QGD4801CC1		DRAWN: TOM	
 		CHKD: TARA	
UNIT mm[Inch]	SHEET 2 of 2	REV 01	DATE: Aug.12,08