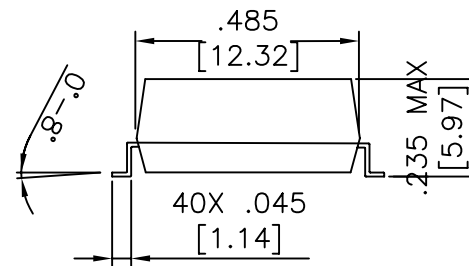
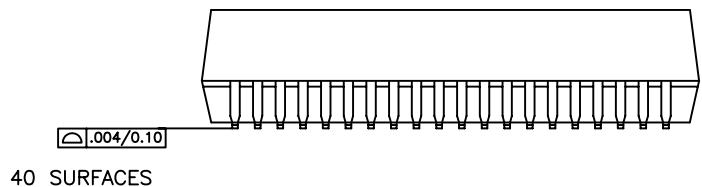
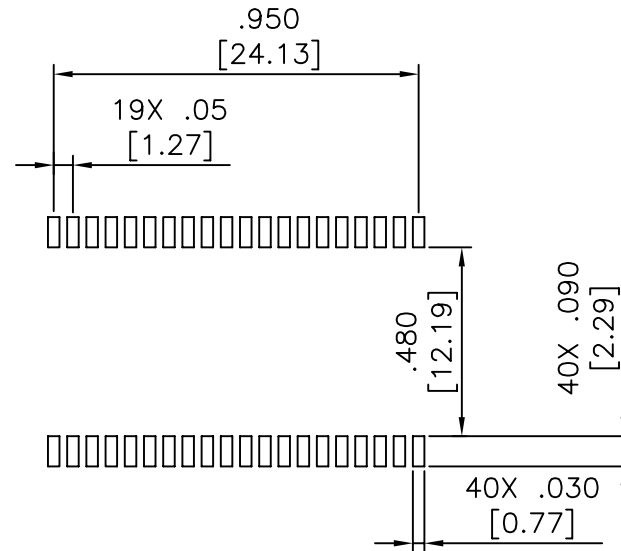
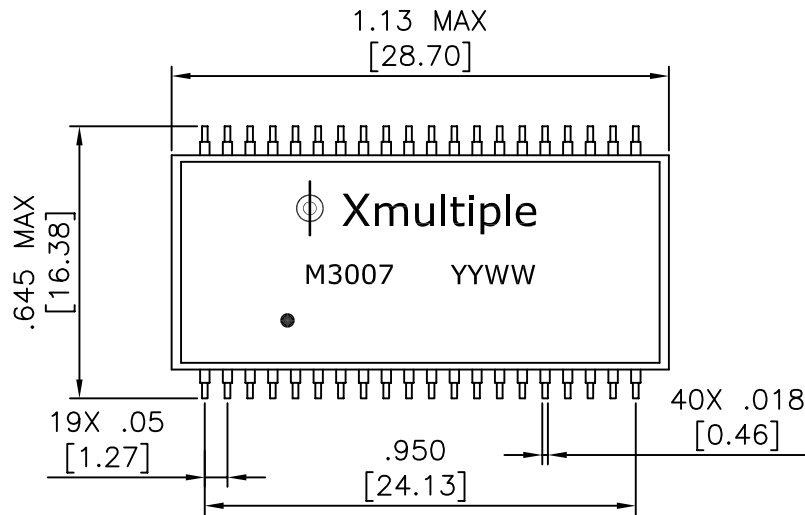



1. MECHANICAL DIMENSIONS :

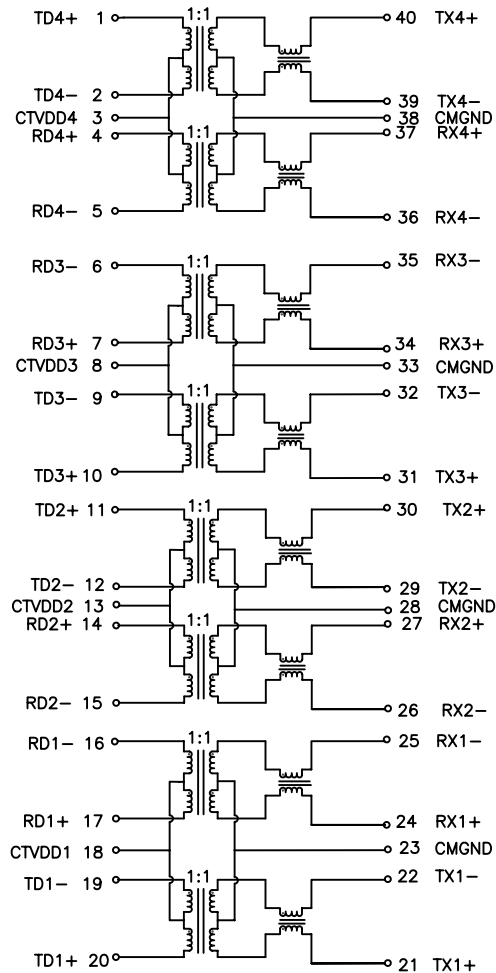


 RoHS Compliant

Dimensions:Inch[mm] all tolerances:0.01[0.25]

<b>XMULTIPLE</b>		THE INFORMATION AGE	
XMULTIPLE ASIA 4F, No. 347, Yang Guang St., Neihu Chiu, Taipei, Taiwan 11475		XMULTIPLE USA 1420 Los Angeles Ave., Suite G, Simi Valley, CA 93065	
THIS DRAWING IS A CONTROLLED DOCUMENT.		G/NO:	
TITLE: 10/100 BASE-TX TRANSFORMER MODULES, FOR AUTO MDI/MDIX APPLICATION		DWG NO: XTFZ-M3007	
PART NO: XTFZ-M3007		DRAWN: AUSTIN	
		CHKD: JEFF	
		DATE: May.05,06	
UNIT	SHEET	REV	
mm[inch ]	1 of 2	03	

## 2. SCHEMATIC:



## 3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:( $25 \pm 5^\circ\text{C}$ )

- 1.TR:(100KHz,0.1V):  
 PINS:(1,2):(40,39)= $1:1 \pm 3\%$ ;(4,5):(37,36)= $1:1 \pm 3\%$   
 PINS:(6,7):(35,34)= $1:1 \pm 3\%$ ;(9,10):(32,31)= $1:1 \pm 3\%$   
 PINS:(11,12):(30,29)= $1:1 \pm 3\%$ ;(14,15):(27,26)= $1:1 \pm 3\%$   
 PINS:(16,17):(25,24)= $1:1 \pm 3\%$ ;(19,20):(22,21)= $1:1 \pm 3\%$
- 2.LX:(100KHz,100mV,8mA, DC Bias)  
 PINS:(1,2),(4,5),(6,7),(9,10)=350uH MIN  
 PINS:(11,12),(14,15),(16,17),(19,20)=350uH MIN
- 3.DCR:  
 PINS:(40,39),(37,36),(35,34),(32,31)=1.2 OHMS MAX  
 PINS:(30,29),(27,26),(25,24),(22,21)=1.2 OHMS MAX  
 PINS:(1,2),(4,5),(6,7),(9,10)=1.0 OHMS MAX  
 PINS:(11,12),(14,15),(16,17),(19,20)=1.0 OHMS MAX
- 4.HIPOT:  
 PINS:(1,2)TO(40,39),(4,5)TO(37,36)=1500VAC FOR 60 SECONDS  
 PINS:(6,7)TO(35,34),(9,10)TO(32,31)=1500VAC FOR 60 SECONDS  
 PINS:(11,12)TO(30,29),(14,15)TO(27,26)=1500VAC FOR 60 SECONDS  
 PINS:(16,17)TO(25,24),(19,20)TO(22,21)=1500VAC FOR 60 SECONDS
- 5.INSERTION LOSS:  
 -1.1dB MAXIMUM AT 0.1MHz TO 100MHz;
- 6.RETURN LOSS:  
 -16dB MINIMUM AT 1MHz TO 40MHz;  
 -14dB MINIMUM AT 40MHz TO 50MHz;  
 -13dB MINIMUM AT 50MHz TO 60MHz;  
 -10dB MINIMUM AT 60MHz TO 80MHz
- 7.CROSS TALK:  
 -55dB MINIMUM AT 1MHz TO 30MHz;  
 -40dB MINIMUM AT 30MHz TO 60MHz;  
 -33dB MINIMUM AT 60MHz TO 100MHz
- 8.DIFFERENTIAL TO COMMON MODE REJECTION:  
 -38dB MINIMUM AT 1MHz TO 60MHz;  
 -30dB MINIMUM AT 60MHz TO 100MHz

RoHS Compliant

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UNIT mm[inch ]		SHEET 2 of 2	
		REV 03	
		DATE: May.05,06	