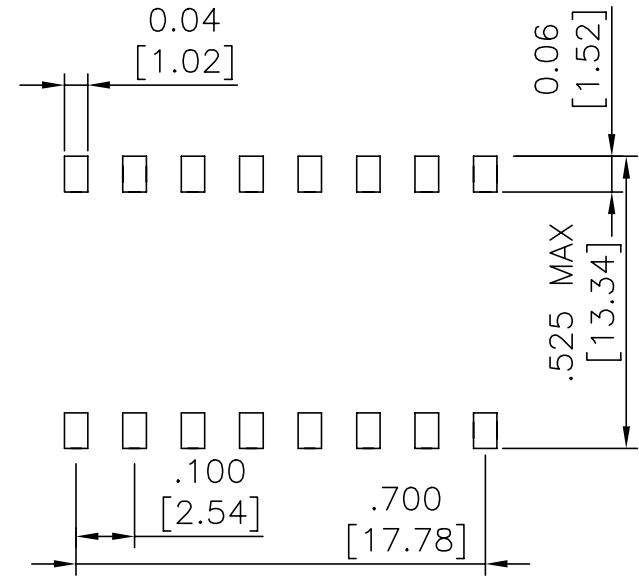
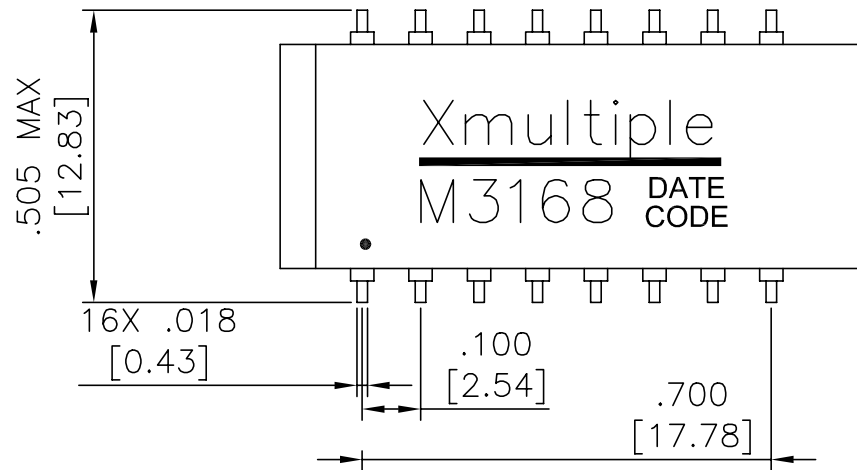
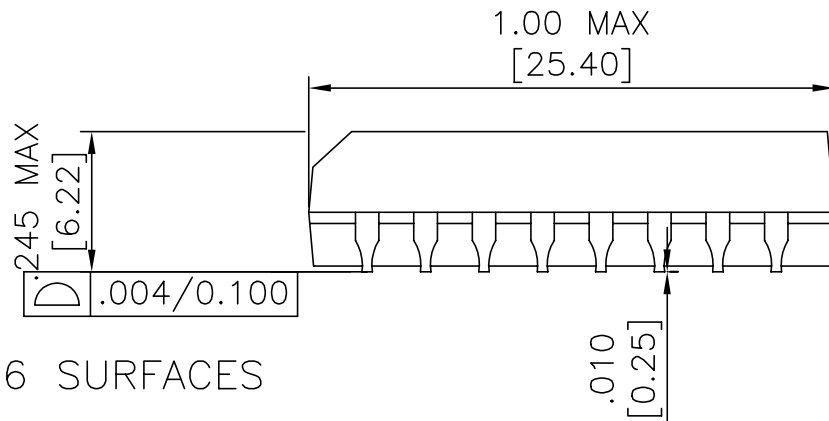


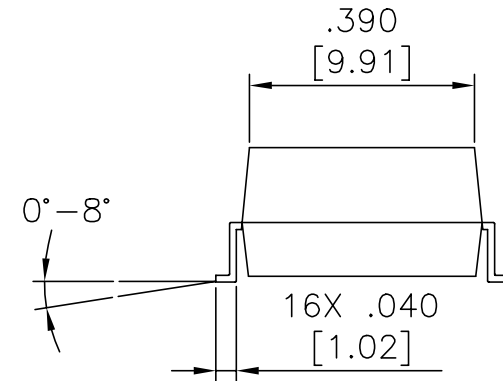
# MECHANICALS



## SUGGESTED PAD LAYOUT



16 SURFACES



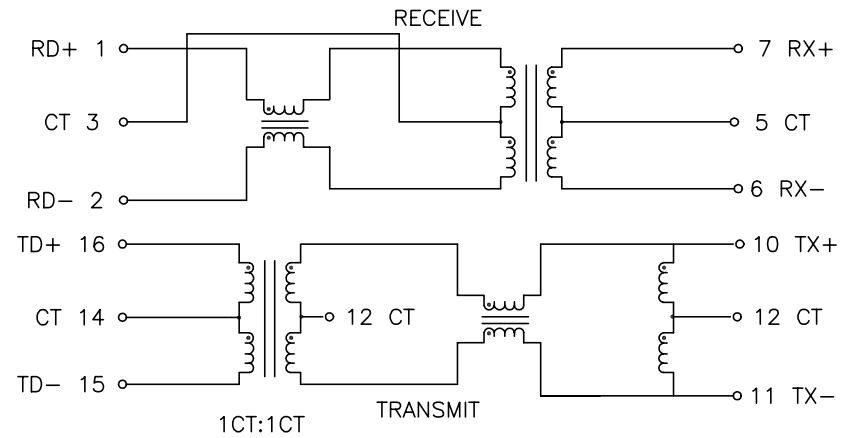
Dimensions:Inch[mm] all tolerances:0.01[0.25]

<h1>XMULTIPLE</h1>			CONNECTING THE INFORMATION AGE
XMULTIPLE ASIA 4F, No. 347, Yang Guang St., Neihu Chiu, Taipei, Taiwan 11475	XMULTIPLE USA 543 Country Club Drive #B 128 Simi Valley, CA 93065	CUSTOMER/NO:	
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWG NO: XTFZ-M3168
TITLE: 10/100 BASE-T TRANSFORMER MODULES, SINGLE PORT, 1:1 TURNS RATIO			DRAWN: TARA
PART NO: XTFZ-M3168			CHKD: C. TSAI
	DIMENSIONS	SHEET	REV
inch [mm]	1 of 2	01	DATE: 29/01/04'

TEST NOTES: (25±5°C)

1. TR: (100KHz, 0.1V);  
 PINS: (1,2):(7,6)=1:1±3%  
 PINS: (16,15):(10,11)=1:1±3%
2. LX: (100KHz, 100mV, 8mA, DC Bias)  
 PINS: (7,6),(10,11)=350uH MIN
3. DCR:  
 PINS: (1,2) = 1.2 OHMS MAX  
 PINS: (7,6),(10,11),(15,16) = 1.0 OHMS MAX
4. HIPOT:  
 PINS: (1,3,2) TO (7,5,6) = 1500VAC FOR 60 SECONDS  
 PINS: (16,14,15) TO (10,12,11) = 1500VAC FOR 60 SECONDS
5. INSERTION LOSS:  
 -1.5dB MAXIMUM AT 0.1MHz TO 100MHz;
6. RETURN LOSS:  
 -18dB MINIMUM AT 1MHz TO 40MHz;  
 -13.5dB MINIMUM AT 40MHz TO 50MHz;  
 -11.5dB MINIMUM AT 50MHz TO 60MHz;  
 -10dB MINIMUM AT 60MHz TO 80MHz
7. CROSS TALK:  
 -50dB MINIMUM AT 1MHz TO 30MHz;  
 -40dB MINIMUM AT 30MHz TO 60MHz;  
 -40dB MINIMUM AT 60MHz TO 100MHz
8. DIFFERENTIAL TO COMMON MODE REJECTION:  
 -42dB MINIMUM AT 1MHz TO 30MHz;  
 -37dB MINIMUM AT 30MHz TO 60MHz;  
 -33dB MINIMUM AT 60MHz TO 100MHz

SCHEMATIC



<b>XMULTIPLE</b>		CONNECTING THE INFORMATION AGE	
XMULTIPLE ASIA 4F, No. 347, Yang Guang St., Neihu Chiu, Taipei, Taiwan 11475		XMULTIPLE USA 543 Country Club Drive #B 128 Simi Valley, CA 93065	
		CUSTOMER/NO: XTFZ-M3168	
THIS DRAWING IS A CONTROLLED DOCUMENT.			
TITLE: 10/100 BASE-T TRANSFORMER MODULES, SINGLE PORT, 1:1 TURNS RATIO		DWG NO: XTFZ-M3168	
PART NO: XTFZ-M3168		DRAWN: TARA	
		CHKD: C. TSAI	
	DIMENSIONS inch [mm]	SHEET 2 of 2	REV 01
		DATE: 29/01/04'	