

NOTES: UNLESS OTHERWISE SPECIFIED

1.

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS	

2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.

3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A

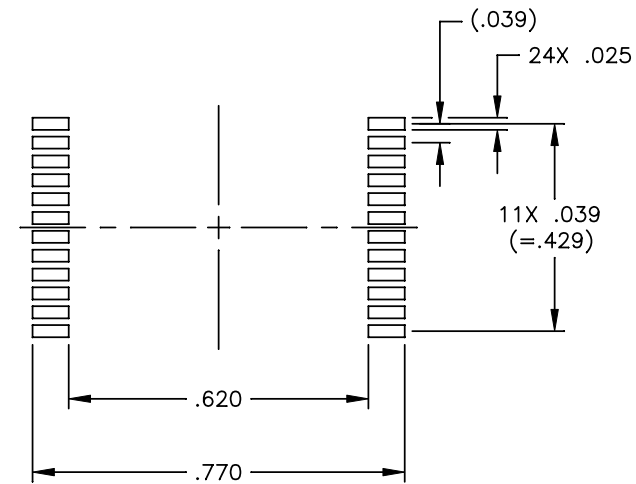
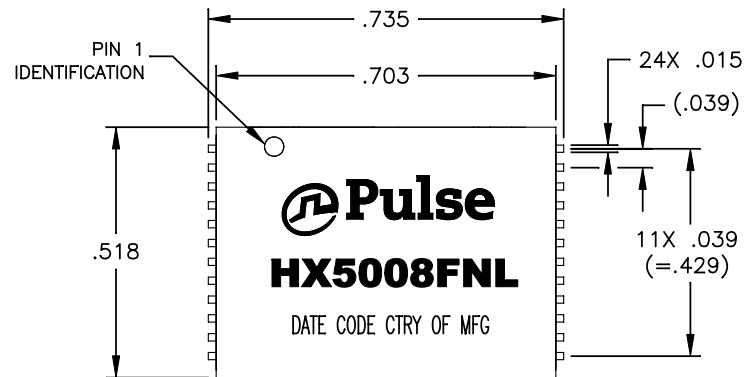
4. OPERATING TEMPERATURE: -40°C TO +85°C

5. STORAGE TEMPERATURE: -50°C TO +125°C

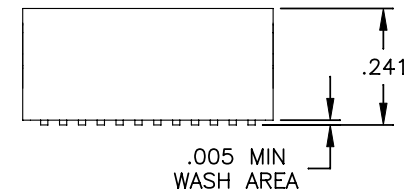
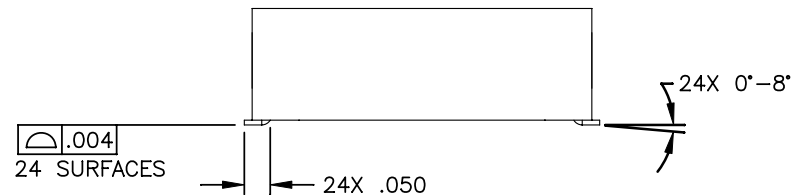
6. JEDEC MOISTURE: LEVEL 1.

7. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX= ± 0.02
.XXX= ± 0.010

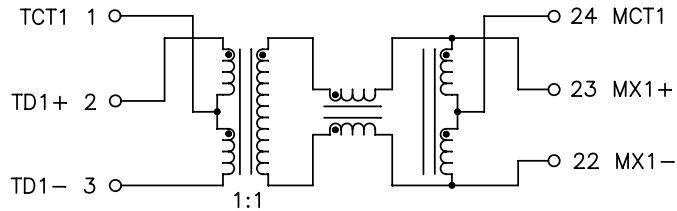
8. REVISION: MP1,MP2, ARE PRELIMINARY.



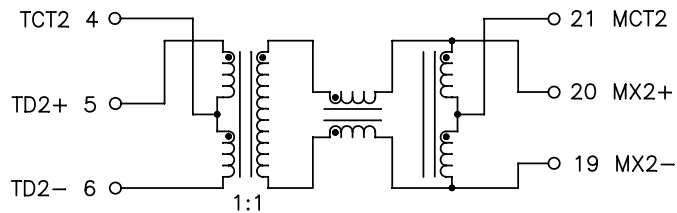
SUGGESTED LAND PATTERN



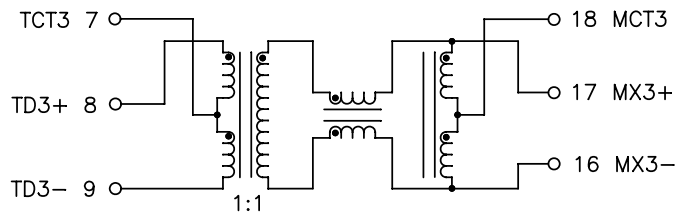
CHANNEL 1



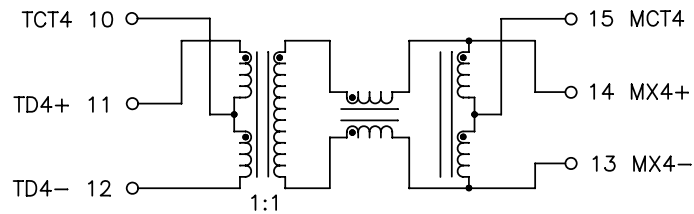
CHANNEL 2



CHANNEL 3



CHANNEL 4



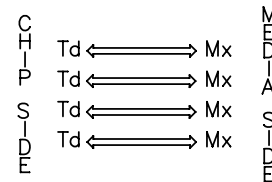
SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	-40°C — +85 °C		
TURNS RATIO	1 : 1 ±2%		
POLARITY	PER SCHEMATIC		
OCL, TRANSMIT CHANNEL	325 uH MIN. WITH 8mA DC BIAS, -40 TO 85 °C		
INSERTION LOSS	100 KHz	1-100 MHz	125 MHz
	-1.2 dB MAX	-1.0 dB MAX	-3.0 dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1-40 MHz	40-100 MHz	
	-16 dB MIN	-10+20*LOG ₁₀ (f/80) dB MIN	
CROSSTALK (TX-RX)	1 MHz	30-100 MHz	
	-50 dB MIN	-55+24*LOG ₁₀ (f/10) dB MIN	
DIFFERENTIAL TO COMMON MODE REJECTION	2 MHz	30-100 MHz	
	-50 dB MIN	-43+22*LOG ₁₀ (f/30) dB MIN	
INPUT — OUTPUT ISOLATION	1500 VRMS MIN		

NOTE: f IS FREQUENCY IN MHZ.

LEGEND



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT