



NOTES:

- ROHS COMPLIANT
- 2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- 3. STORAGE TEMPERATURE: -50°C TO +125°C
- 4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
- 5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e HX5008FNL BECOMES HX5008FNLT).







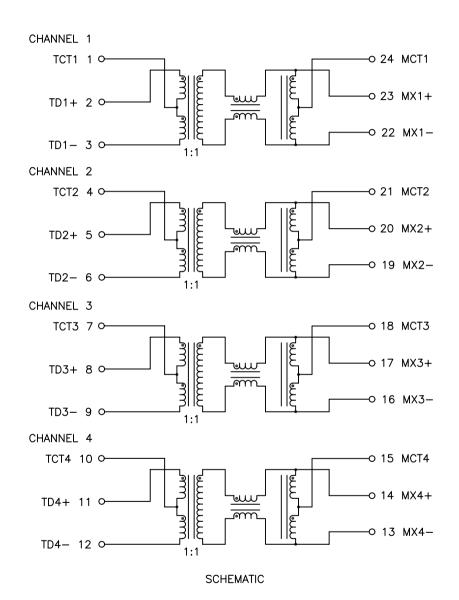
FINAL OUTLINE

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MDL,SIN,1GD,1:1,SM,TU HX5008FNL-10 PS-2745.001-A 1 0F 3 HX5008FNL A	PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
	MDL,SIN,1GD,1:1,SM,TU	HX5008FNL-10	PS-2745.001-A	1 11-5	HX5008FNL	A



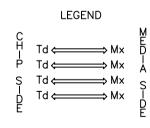




ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS				
OPERATING TEMPERATURE	-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				
INSERTION LOSS	100 KHz	1-100 MHz	125 MHz		
INSERTION LOSS	-1.2 dB MAX	-1.0 dB MAX	-3.0 dB MAX		
RETURN LOSS	1-40 MHz 40-100 MHz				
$(Z OUT = 100 OHM \pm 15\%)$	-16 dB MIN	-10+20*LOG ₁₀ (f/80) dB MIN			
CDOSSTALK (TV DV)	1 MHz 30-100 MHz				
CROSSTALK (TX-RX)	-50 dB MIN	-55+24*LOG ₁₀ (f/10) dB MIN			
DIFFERENTIAL TO COMMON	2 MHz	30-100 MHz			
MODE REJECTION	-50 dB MIN -43+22*LOG 10(f/30) dB MIN				
INPUT - OUTPUT ISOLATION		1500 VRMS MII	N		

NOTE: f IS FREQUENCY IN MHz.



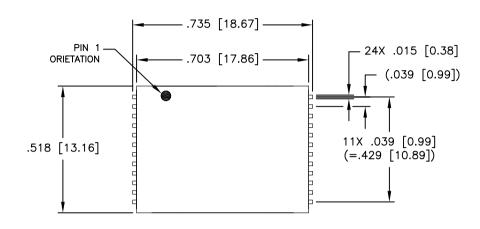
ALL CHANNELS ARE IN PHASE BETWEEN INPUT AND OUTPUT

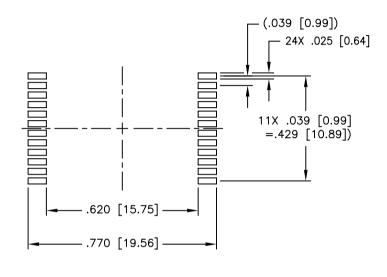
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MDL,SIN,1GD,1:1,SM,TU	HX5008FNL-10	PS-2745.001-A	2 OF 3	HX5008FNL	A

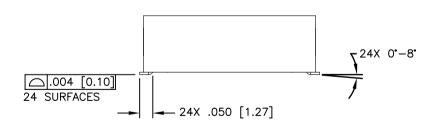


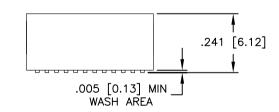






SUGGESTED LAND PATTERN





DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY. .XX= \pm .01 [\pm 0.25] .XXX= \pm .005 [\pm 0.13]

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MDL,SIN,1GD,1:1,SM,TU	HX5008FNL-10	PS-2745.001-A	3 OF 3	HX5008FNL	A

Mouser Electronics

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Pulse:

HX5008FNL HX5008FNLT