



## NOTES:

- ROHS COMPLIANT
- 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
- TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
   TO THE PART NUMBER(i.e HX5084FNL BECOMES HX5084FNLT).





HX5084FNL DATE CODE CTRY MFG





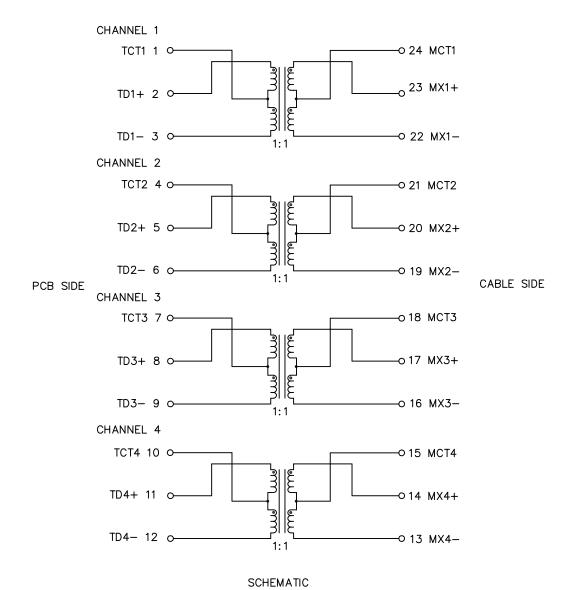
FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	HX5084FNL-11	PS-2759.001-A	1 OF 3	HX5084FNL	D







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

PARAMETER	SPECIFICATIONS				
OPERATING TEMP	-40°C - +85°C				
TURNS RATIO	1 : 1 ±2%				
POLARITY	PER SCHEMATIC				
	100 KHz	1-125 MHz			
INSERTION LOSS	-1.2 dB MAX	-0.2-0.002*f <sup>^1.4</sup> dB MAX			
RETURN LOSS	.1-40 MHz	40-100 MHz			
$(Z OUT = 100 OHM \pm 15\%)$	-16 dB MIN	-10+20*LOG <sub>10</sub> (f/80 MHz) dB MIN			
INDUCTANCE (OCL) (MEDIA SIDE, -40°C-85°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS) AND WITH 8 mA DC BIAS			
	1 MHz	10-100 MHz			
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN	-55+22*LOG <sub>10</sub> (f/10) dB MIN			
COMMON MODE	2 MHz	30-200 MHz			
COMMON MODE REJECTION RATIO	-50 dB MIN	-15+20*LOG <sub>10</sub> (f/200) dB MIN			
INPUT - OUTPUT ISOLATION	1500	VRMS MIN @ 60 SECONDS			

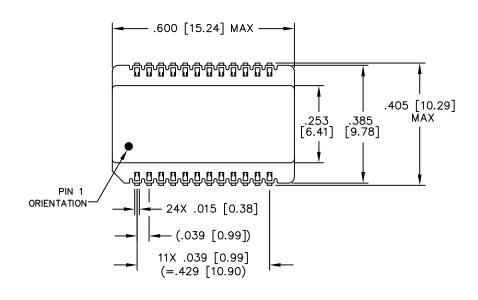
NOTE: f IS FREQUENCY IN MHz.

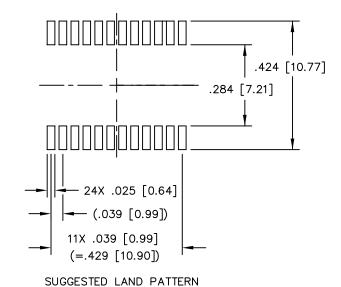
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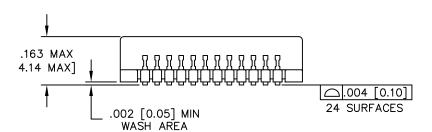
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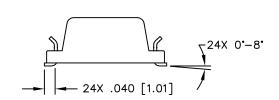












DIMENSIONS ARE IN INCH [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETER] ARE FOR REFERENCE ONLY. .XX=  $\pm$ .01 [ $\pm$ 0.25] .XXX=  $\pm$ .005 [ $\pm$ 0.13]

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## **Mouser Electronics**

**Authorized Distributor** 

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Pulse:

HX5084FNL