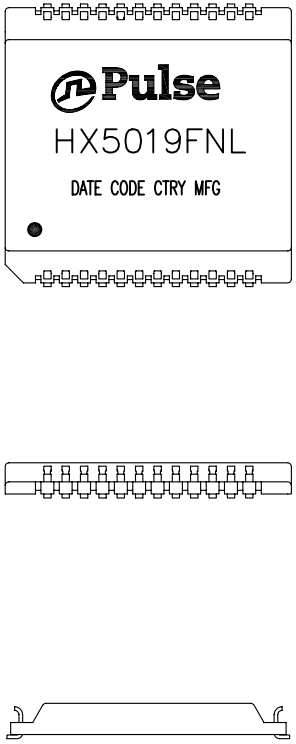
RoHS COMPLIANT

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NOTES:

1. 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 HX5019FNL BECOMES HX5019FNLT).

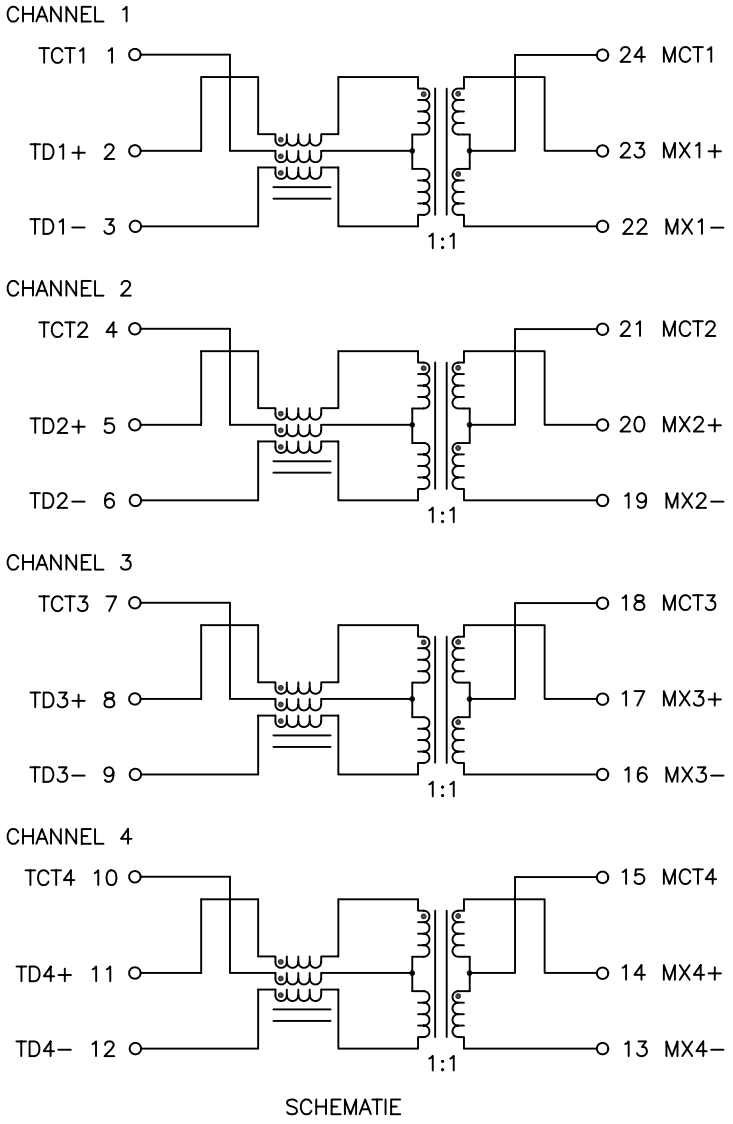


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	HX5019FNL-10	PS-2761.001-A	1 OF 3	HX5019FNL	A

E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US), ASIA@PULSEELECTRONICS.COM(Asia) PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768



SCHEMATIE

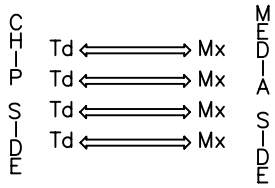
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	−40°C ~ +85°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INDUCTANCE (OCL) (MEDIA SIDE, −40~+85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS WITH 8 mA DC BIAS)		
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	−18 dB MIN (ZOUT=100 OHMS)	$-10+20*LOG_{10}(f/80)$ dB MIN
CROSSTALK	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 @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.

LEGEND

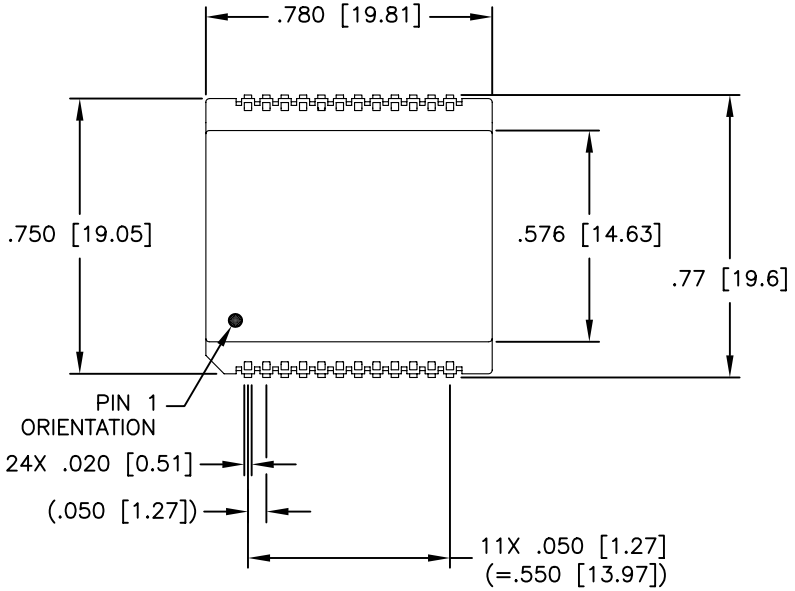


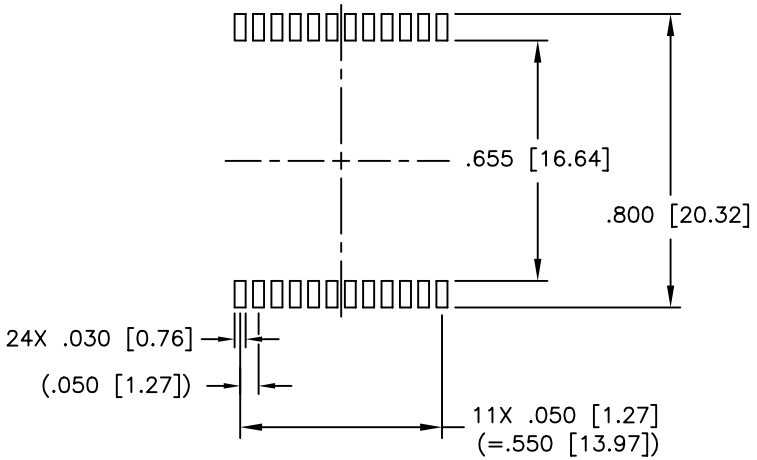
ALL CHANNELS ARE IN PHASE BETWEEN INPUT AND OUTPUT

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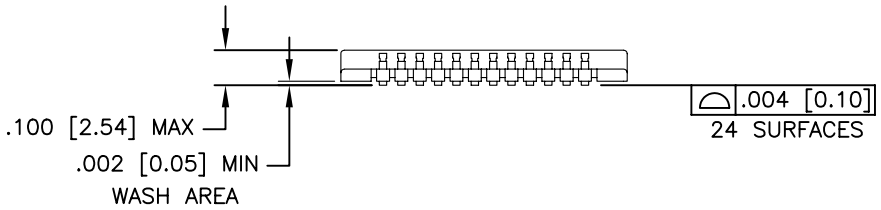
RoHS COMPLIANT

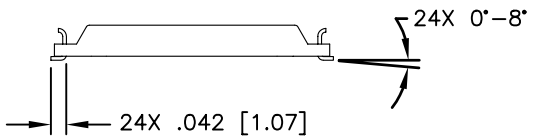
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SUGGESTED LAND PATTERN





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

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