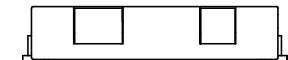
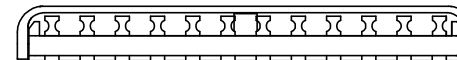
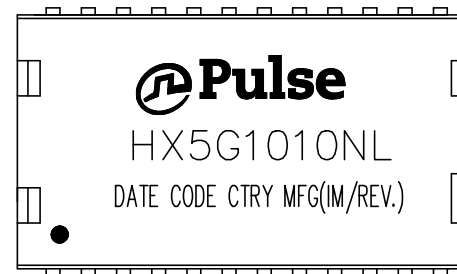




NOTES:

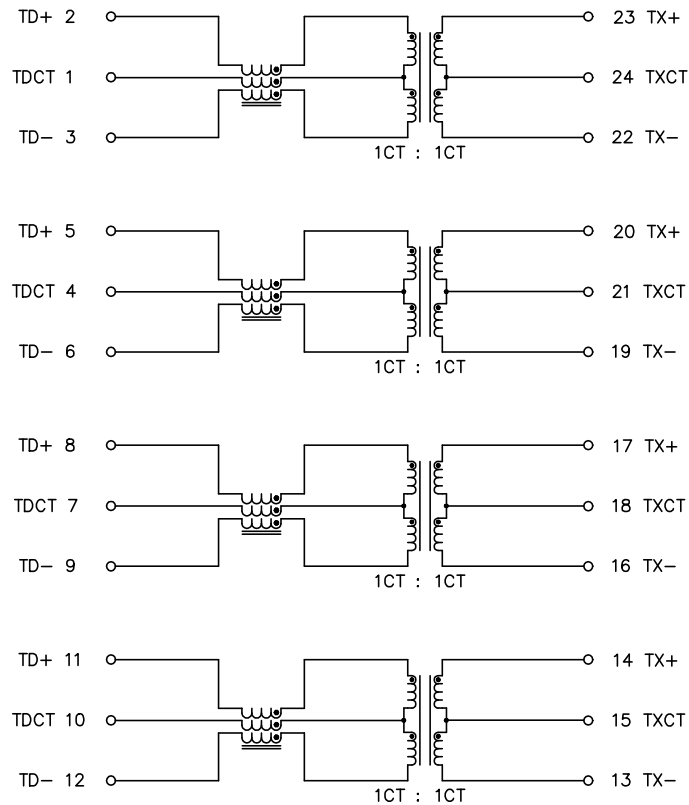
1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY
RATING UL 94V-0 OR BETTER.
COVER: LCP RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -50°C TO +125°C
4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - 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 HX5G1010NL BECOMES HX5G1010NLT).



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,5GPP,1:1,SM,TU	HX5G1010NL-X1	PS-2422.001-C	1 OF 3	HX5G1010NL	A



SCHEMATIC

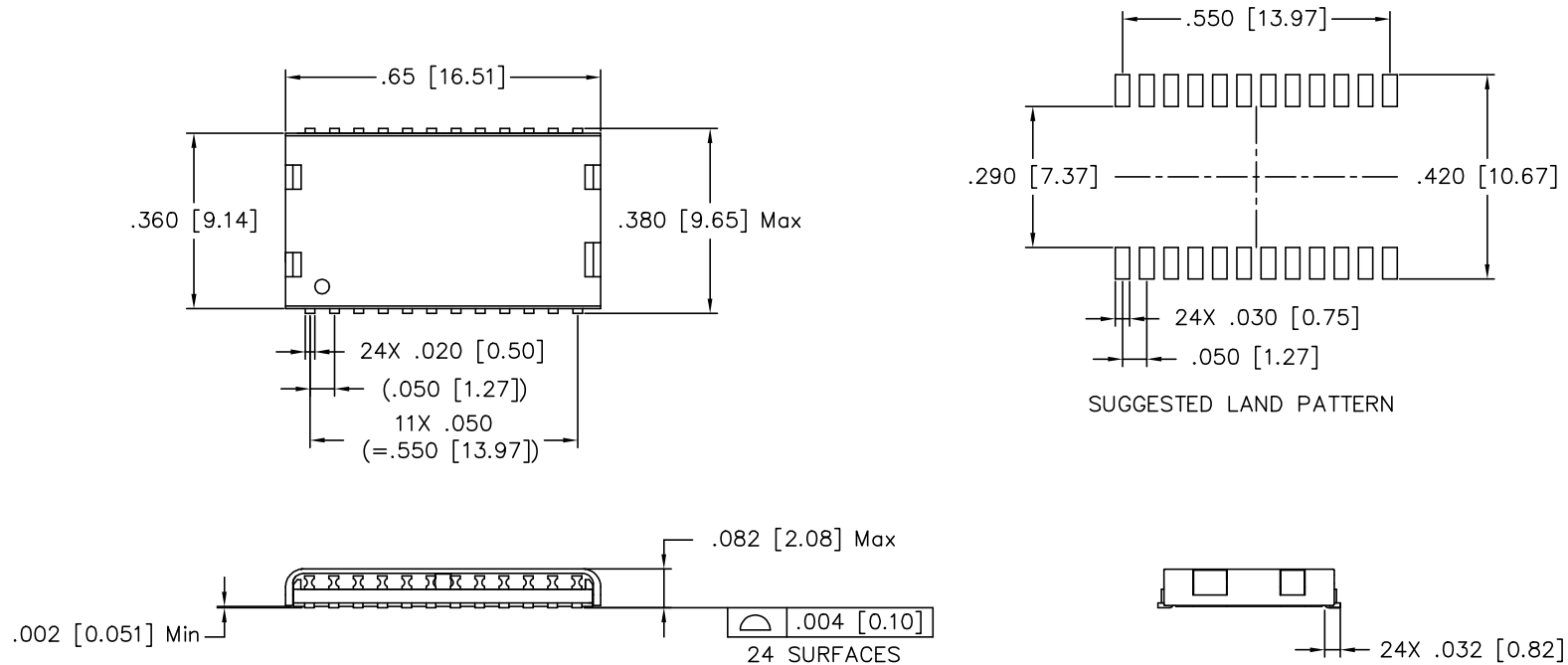
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	−40°C TO +85°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21&SDD12)	1–50 MHz	50–125 MHz	125–250 MHz
	−0.8 dB MAX	−1.2 dB MAX	−2.0 dB MAX
PHY–SIDE RETURN LOSS (SDD11 − Zref = 100 OHMS ± 1%)	1 MHz–40 MHz	40 MHz–250 MHz	
	−20 dB MIN	−20+15*LOG ₁₀ (f/40) dB MIN	
LINE–SIDE RETURN LOSS (SDD22 − Zref = 100 OHMS ± 1%)	1 MHz–40 MHz	40 MHz–250 MHz	
	−20 dB MIN	−20+15*LOG ₁₀ (f/40) dB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100 kHz, 100 mV WITH 10.5 mA DC BIAS		
CROSSTALK, ADJACENT CHANNELS (SDD21 − ADJ.)	1–100 MHz	100–250 MHz	
	−30 dB MIN	−20 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	1 MHz–100 MHz	100MHz–250MHz	
	−28 dB MIN	−25 dB MIN	
DC CURRENT CARRING CAPABILITY	600 mA MAX AT 57V		
INPUT − OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,5GPP,1:1,SM,TU	HX5G1010NL-X1	PS-2422.001-C	2 OF 3	HX5G1010NL	A



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
 .XX= ± 0.01 [± 0.25]
 .XXX= ± 0.005 [± 0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,5GPP,1:1,SM,TU	HX5G1010NL-X1	PS-2422.001-C	3 OF 3	HX5G1010NL	A