



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

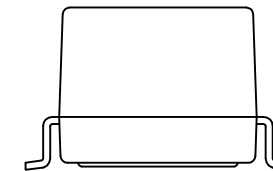
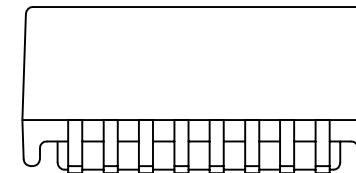
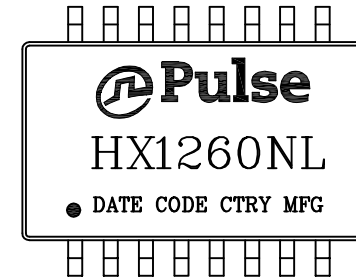
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



NOTES:

1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL 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 HX1260NL BECOMES HX1260NLT).

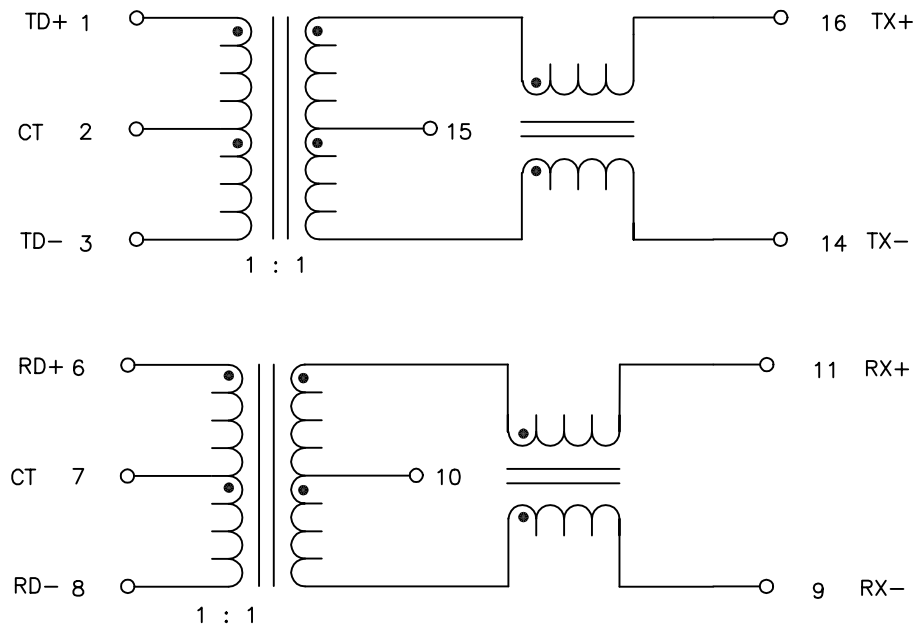


FINAL OUTLINE

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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|----------------------|-------------|---------------|--------|----------|----------------|
| MDL,SIN,100D,1:1,SMT | HX1260NL-13 | PS-2005.001-F | 1 OF 3 | HX1260NL | A |

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



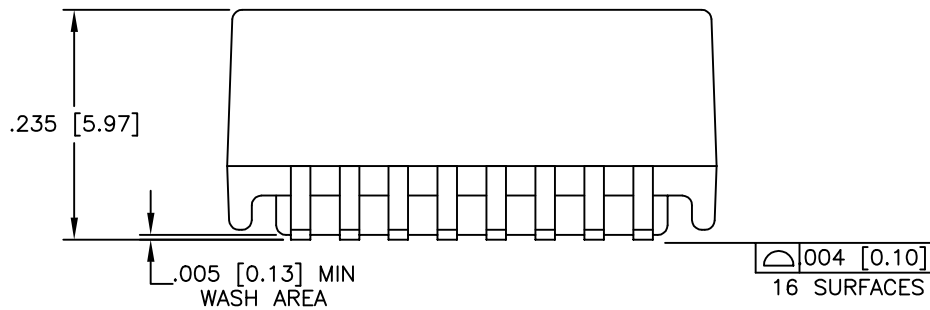
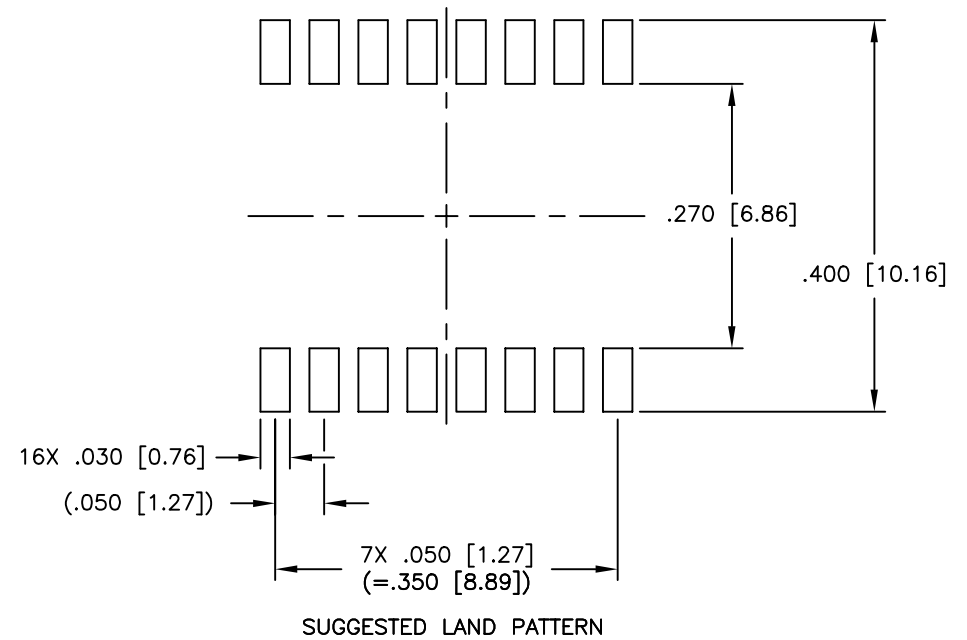
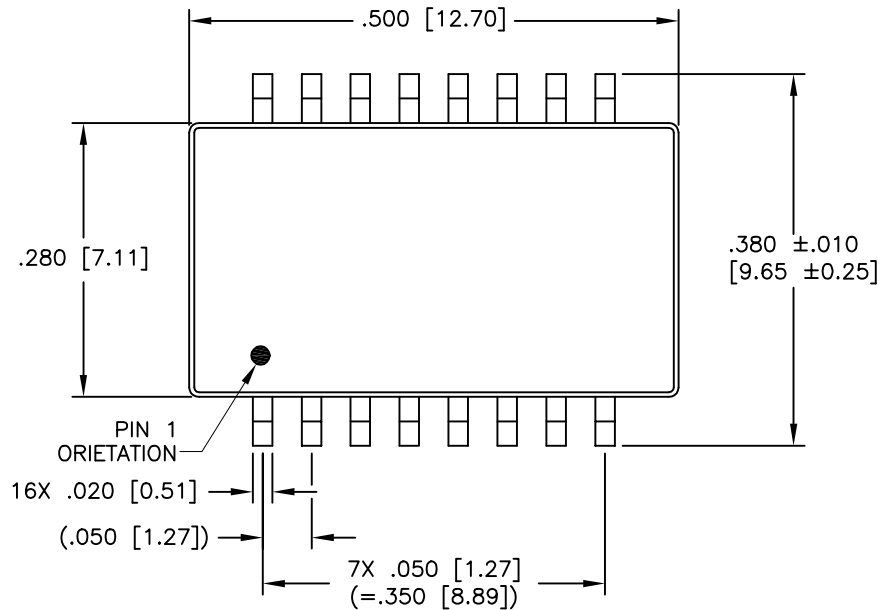
SCHEMATIC

| PARAMETER | SPECIFICATIONS | | |
|--|---|---|------------|
| OPERATING TEMP | -40°C ~ +85°C | | |
| POLARITY | PER SCHEMATIC | | |
| TURNS RATIO | 1 : 1 ± 2% | | |
| INSERTION LOSS | 100 KHz | 1-125 MHz | |
| | -1.2 dB MAX | -0.2-0.002*f ^{1.4} dB MAX | |
| RETURN LOSS (Z OUT = 100 OHM ±15%) | .1-30 MHz | 30-60 MHz | 60-80 MHz |
| | -16 dB MIN | -10+20*LOG ₁₀ (f/60 MHz) dB MIN | -10 dB MIN |
| INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C) | 400 uH MIN (MEASURED AT 100 KHz, 100 mVRMS) | | |
| INDUCTANCE (OCL) (MEDIA SIDE, -40°C TO +85°C) | 350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS) | | |
| CROSSTALK, ADJACENT CHANNELS | 1 MHz | 10-100 MHz | |
| | -50 dB MIN | -55+22*LOG ₁₀ (f/10) dB MIN | |
| COMMON MODE REJECTION RATIO | 2 MHz | 30-200 MHz | |
| | -50 dB MIN | -15+20*LOG ₁₀ (f/200) dB MIN | |
| DC RESISTANCE, 1/2 WINDING | .65 OHMS MAX | | |
| DC RESISTANCE IMBALANCE | ±.065 OHMS MAX (CENTER TAP SYMMETRY) | | |
| INPUT - OUTPUT ISOLATION | 1500 VRMS MIN @ 60 SECONDS | | |

NOTE: f IS FREQUENCY IN MHz.

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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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| MDL,SIN,100D,1:1,SMT | HX1260NL-13 | PS-2005.001-F | 3 OF 3 | HX1260NL | A |