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HX5084NL

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NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF PULSE WHO RESERVES ALL RIGHTS THERETO.

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|----|---|---|---------------|
| 1. |  | WARNING: THIS COMPONENT IS RECOGNIZED BY ONE OR MORE SAFETY AGENCIES SUCH AS UL, VDE, CSA AND/OR TUV. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER QUALITY DEPARTMENT FOR SAFETY AGENCY COMPLIANCE. | ECN APPROVAL: |
| | | | QA APPROVAL: |
| | | | DATE: |

| | | |
|----|---|---|
| 2. |  | NOTICE: THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| | | |

- 3. HEADER: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING 94V-0 OR BETTER.
- 4. TERMINAL PINS: COPPER ALLOY.
- 5. PCB CONTACTS SOLDER AREA: SN100C TIN PLATING.
- 6. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
- 7. OPERATING TEMPERATURE: -40°C TO +85°C
- 8. STORAGE TEMPERATURE: -55°C TO +125°C
- 9. JEDEC MOISTURE: LEVEL 1

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|---|------------|-----------|--------|
|  | | DATASHEET | |
| SIZE | CAGE CODE | DWG. NO. | REV. |
| B | 01961 | HX5084NL | M2 |
| SCALE | CADD FILE | SHEET | 1 OF 3 |
| NONE | HX5084NL-1 | | |

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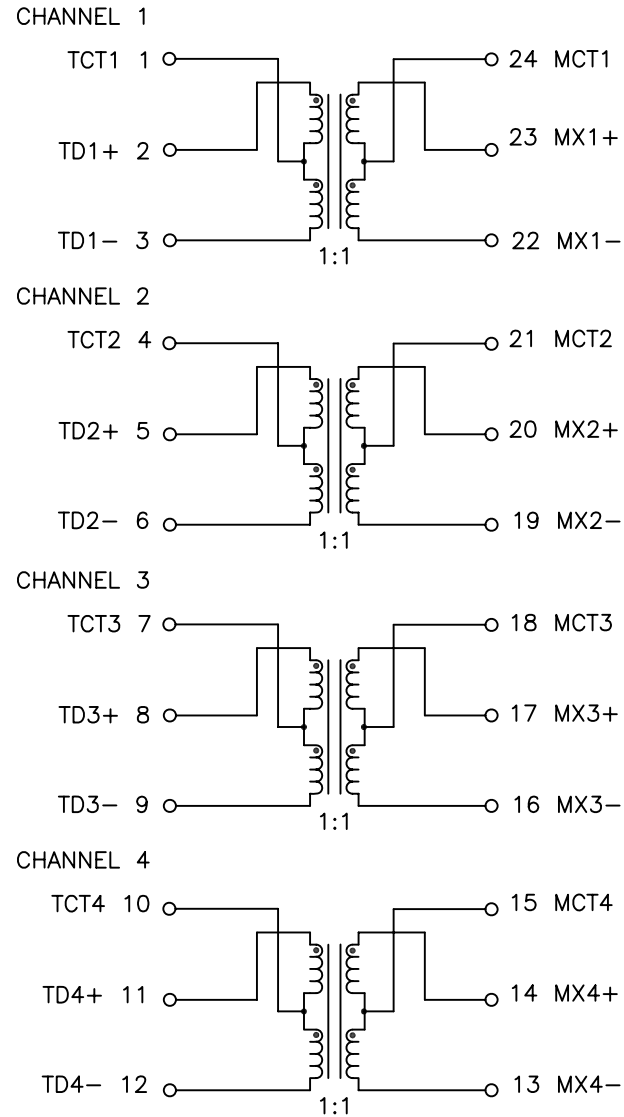
HX5084NL

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ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

| PARAMETER | SPECIFICATIONS | |
|---------------------------------------|--|---|
| | 100 KHz | 1-125 MHz |
| INSERTION LOSS | -1.2 dB MAX | -0.2-0.002*f ^{1.4} dB MAX |
| | .1-40 MHz | 40-100 MHz |
| RETURN LOSS (Z OUT = 100 OHM ±15%) | -16 dB MIN | -10+20*LOG ₁₀ (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) |
| 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 |
| INPUT - OUTPUT ISOLATION | 1500 VRMS MIN @ 60 SECONDS | |

NOTE: f IS FREQUENCY IN MHZ.



SCHEMATIC

CABLE SIDE

PCB SIDE



| | | | |
|--------|------------|----------|------|
| SIZE | CAGE CODE | DWG. NO. | REV. |
| B01961 | | HX5084NL | M2 |
| SCALE | CADD FILE | SHEET | |
| NONE | HX5084NL-2 | 2 OF 3 | |

HX5084NL

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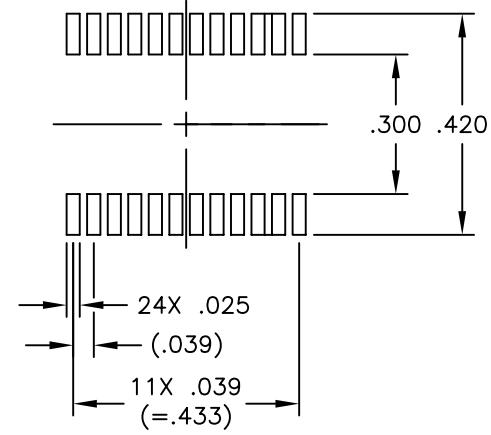
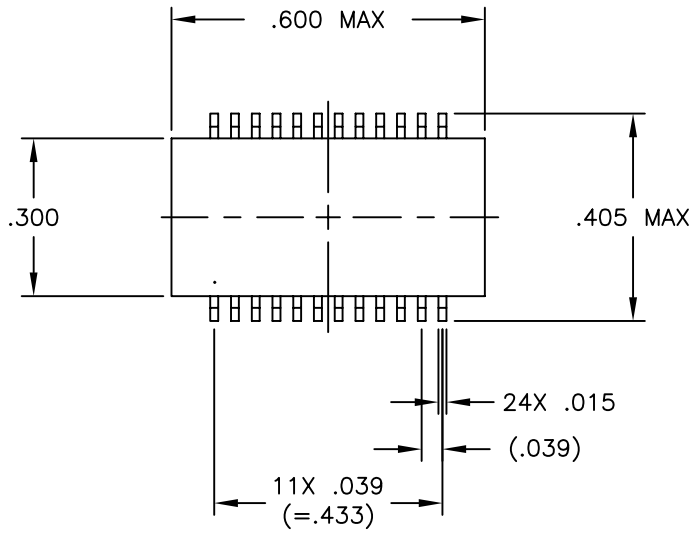
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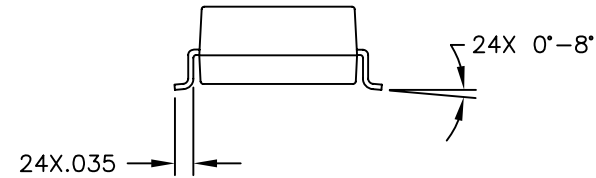
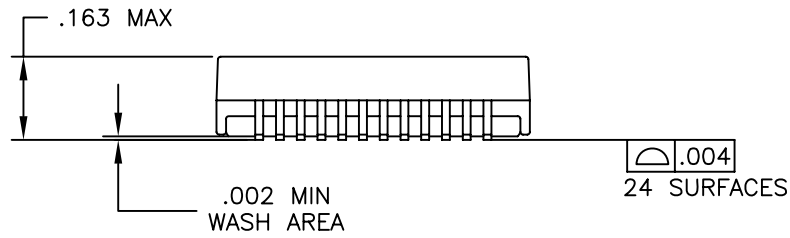
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SUGGESTED LAND PATTERN



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 DECIMALS ± .01
 .XX ± .01
 .XXX ± .005
 ANGLES ± 1°
 DO NOT SCALE DRAWING

| | | | |
|---------|------------|----------|------|
| SIZE | CAGE CODE | DWG. NO. | REV. |
| A301961 | | HX5084NL | M2 |
| SCALE | CADD FILE | SHEET | |
| NONE | HX5084NL-3 | 3 OF 3 | |

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