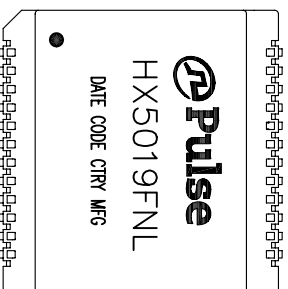




**THE DATASHEET OF
HX5019FNL**



) WITH FLAMMABILITY
) +125°C



TTY AT 245°C REFLOW PROFILE
 O MOISTURE SENSITIVE
 MAXIMUM THROUGH REFLOW SOLDER
 NG ADD A "T" SUFFIX
 FNLT BECOMES HX5019FNLT).



FINAL OUTLINE

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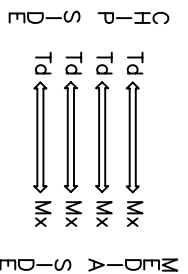
| TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|---------------|---------------|--------|------------|----------------|
| HX5019FNLT-10 | PS-2761.001-A | 1 OF 3 | HX5019FNLT | A |

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

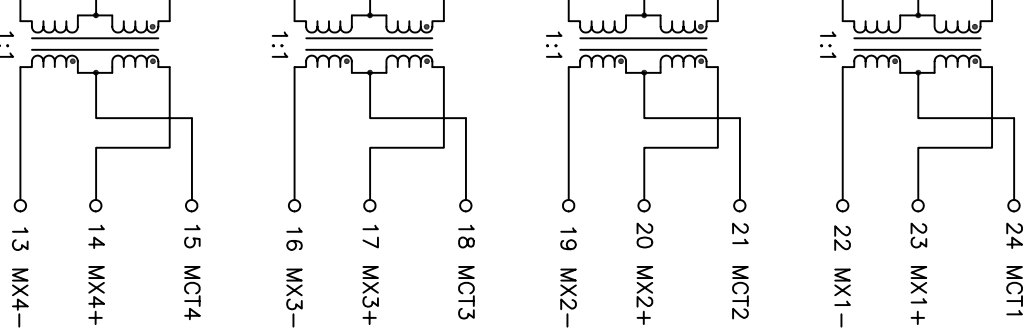
| PARAMETER | SPECIFICATIONS |
|---|---|
| OPERATING TEMP | -40°C ~ +85°C |
| TURN'S RATIO | 1.00 ± 2% |
| POLARITY | PER SCHEMATIC |
| INDUCTANCE (OCL) (MEDIA SIDE, -40~+85°C) | 350 uH MIN (MEASURED AT 100 KHZ, 100 mVRMS) (WITH 8 mA DC BIAS) |
| INSERTION LOSS | 100 KHZ 1-100 MHZ 125 MHZ -1.2 DB MAX -1.0 DB MAX -3.0 DB MAX 1-40 MHZ 40-100 MHZ |
| RETURN LOSS (Z OUT = 100 OHM ±15%) | -16 DB MIN (ZOUT=100 OHMS) -18 DB MIN -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

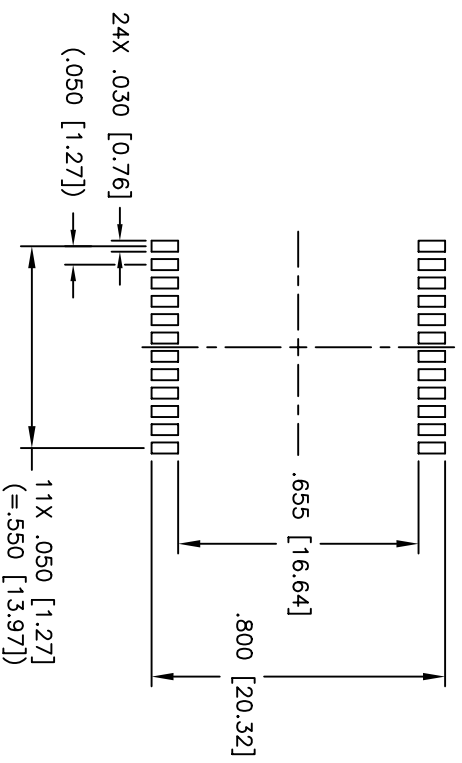
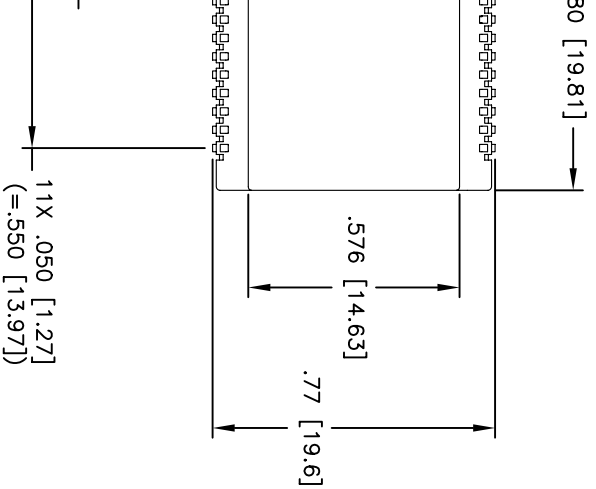


ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

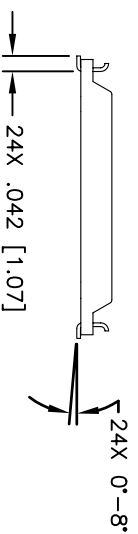
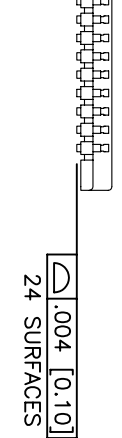


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| ITLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|--------------|---------------|--------|-----------|----------------|
| HX5019FNL-10 | PS-2761.001-A | 2 OF 3 | HX5019FNL | A |



SUGGESTED LAND PATTERN





WITH THE FOLLOWING
REFERENCE ONLY.

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| ITLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|--------------|---------------|--------|-----------|----------------|
| HX5019FNL-10 | PS-2761.001-A | 3 OF 3 | HX5019FNL | A |

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-  [Pulse Information](#)

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-  Alternative Solution
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