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| ECN APPROVAL: |
| QA APPROVAL: |
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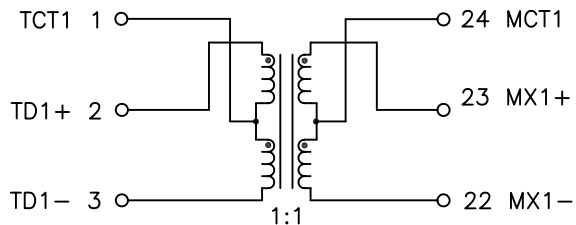
12 OCT 2004

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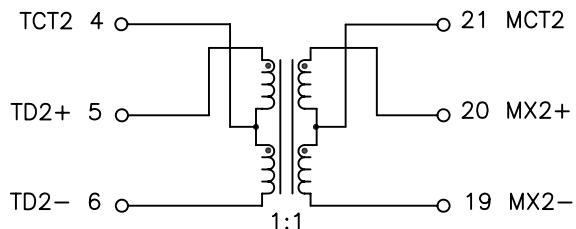
HX5084NL

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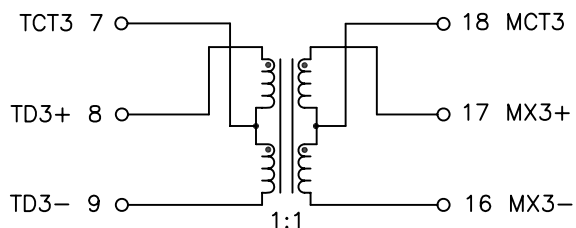
CHANNEL 1



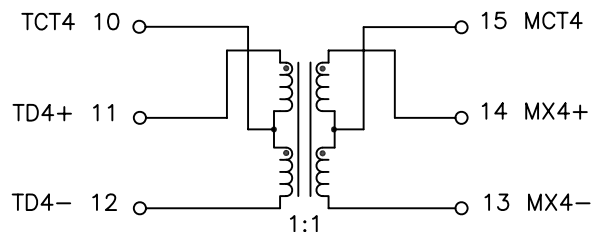
CHANNEL 2



CHANNEL 3



CHANNEL 4



SCHEMATIC

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

PARAMETER	SPECIFICATIONS	
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%)	.1–40 MHz	40–100 MHz
	–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	

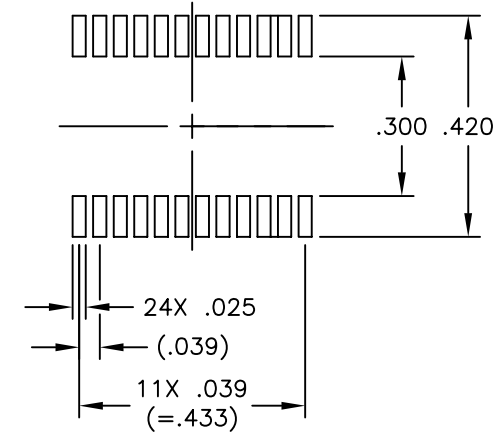
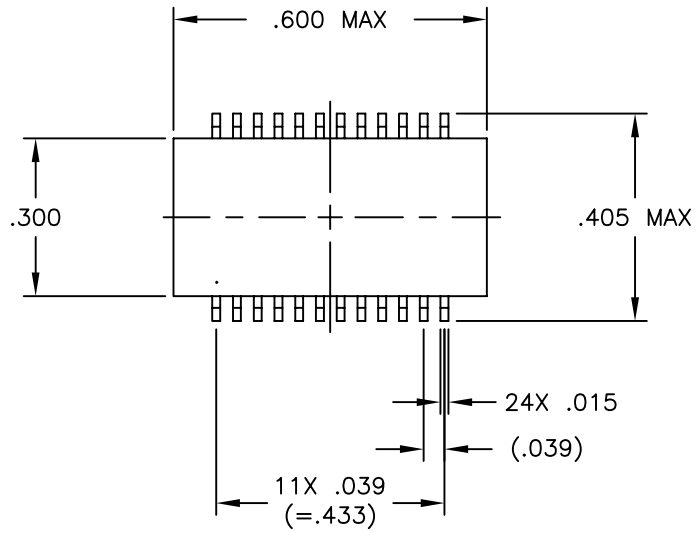
NOTE: f IS FREQUENCY IN MHZ.



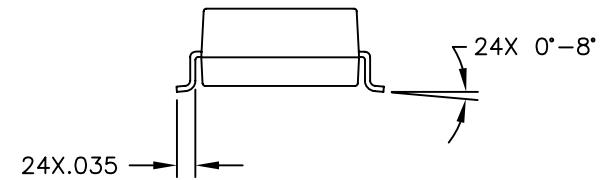
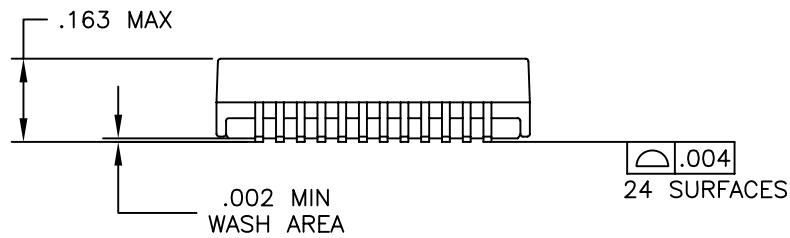
SIZE	CAGE CODE	DWG. NO.	REV.
B01961		HX5084NL	M2
SCALE	CADD FILE	SHEET	2 OF 3
NONE	HX5084NL-2		

HX5084NL

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SUGGESTED LAND PATTERN



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

SIZE A301961
SCALE NONE

CAGE CODE
CADD FILE

DWG. NO.

HX5084NL-3

HX5084NL

SHEET 3 OF 3

REV. M2