

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.		<p><b>WARNING:</b> 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.</p>	ECN APPROVAL:
			QA APPROVAL:
			DATE:

2.		<p><b>NOTICE:</b> THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.</p>

- 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	
NONE	HX5084NL-1	1 OF 3	

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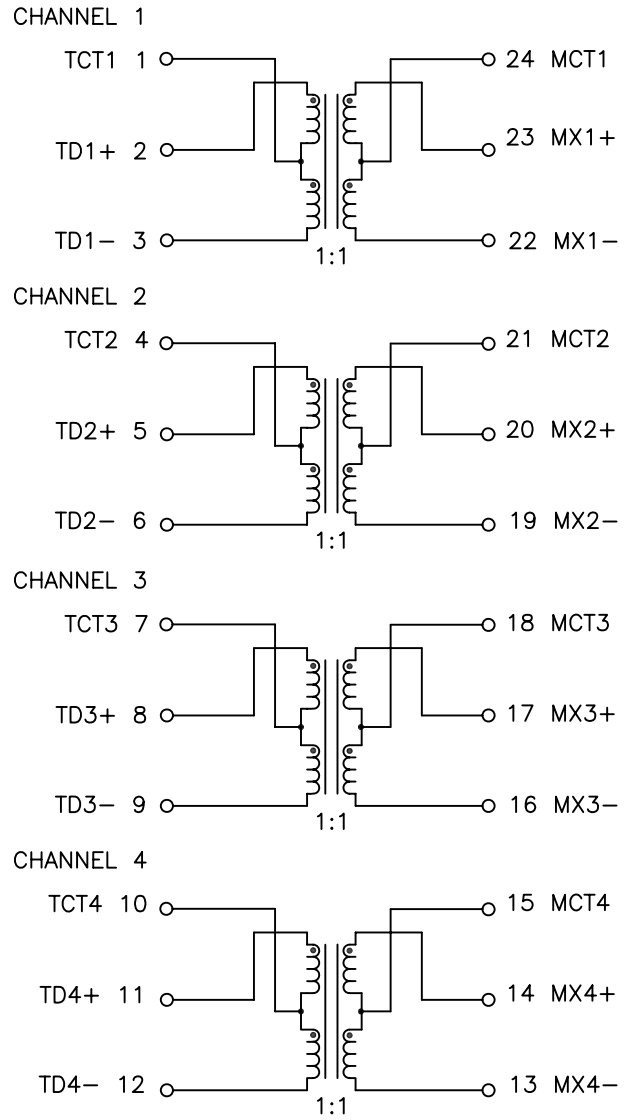
HX5084NL 4

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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 <sup>1.4</sup> dB MAX
	.1-40 MHz	40-100 MHz
RETURN LOSS (Z OUT = 100 OHM ±15%)	-16 dB MIN	-10+20*LOG <sub>10</sub> (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 <sub>10</sub> (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-50 dB MIN	-15+20*LOG <sub>10</sub> (f/200) dB MIN
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.



PCB SIDE

CABLE SIDE

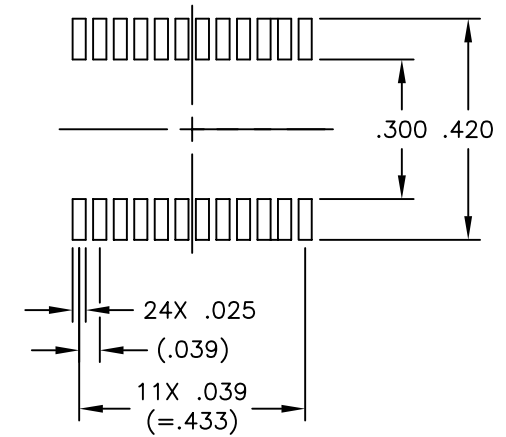
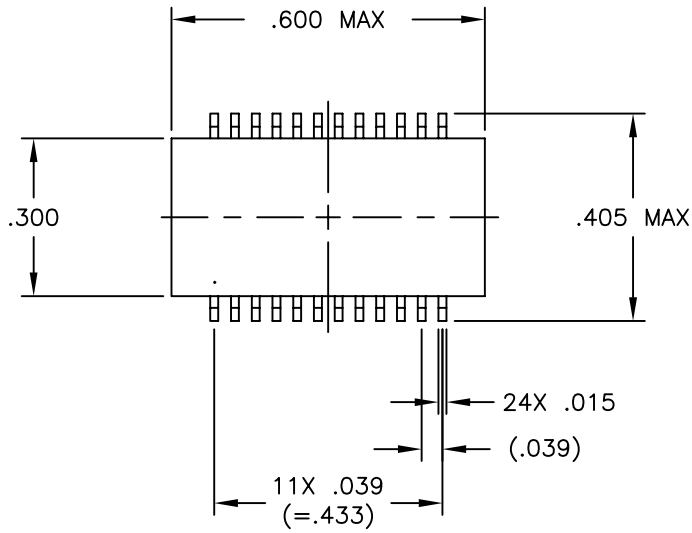
SCHEMATIC



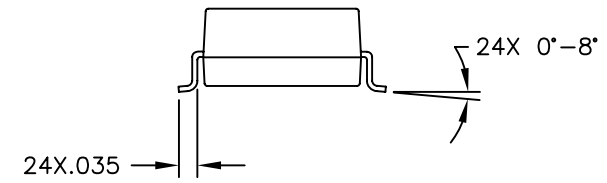
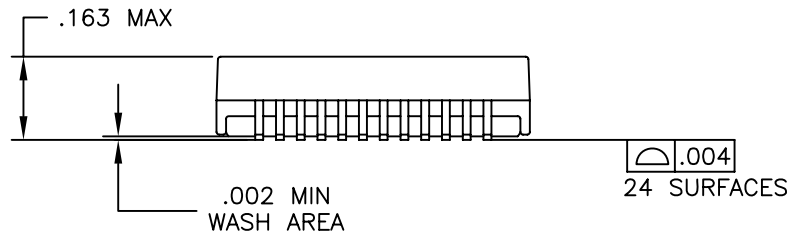
SIZE	CAGE CODE	DWG. NO.	REV.
B	01961	HX5084NL	M2
SCALE	CADD FILE	SHEET	
NONE	HX5084NL-2	2 OF 3	

HX5084NL

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SUGGESTED LAND PATTERN



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES ARE:  
 DECIMALS ± .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	

PS-2325.001-B