


NOTES: UNLESS OTHERWISE SPECIFIED

1.

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

2.

PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.

3.

SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A

4.

OPERATING TEMPERATURE: 0°C TO +70°C

5.

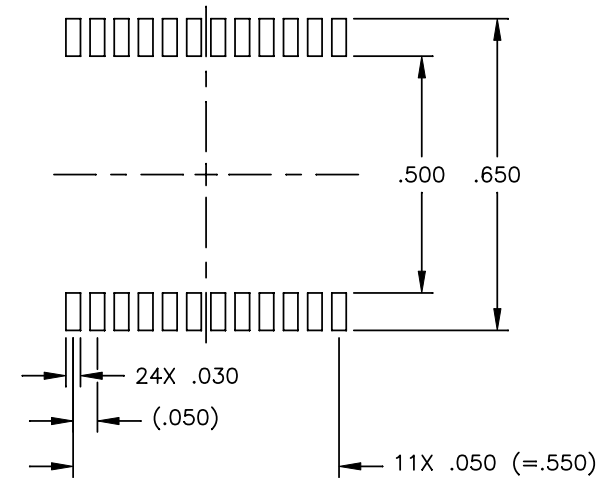
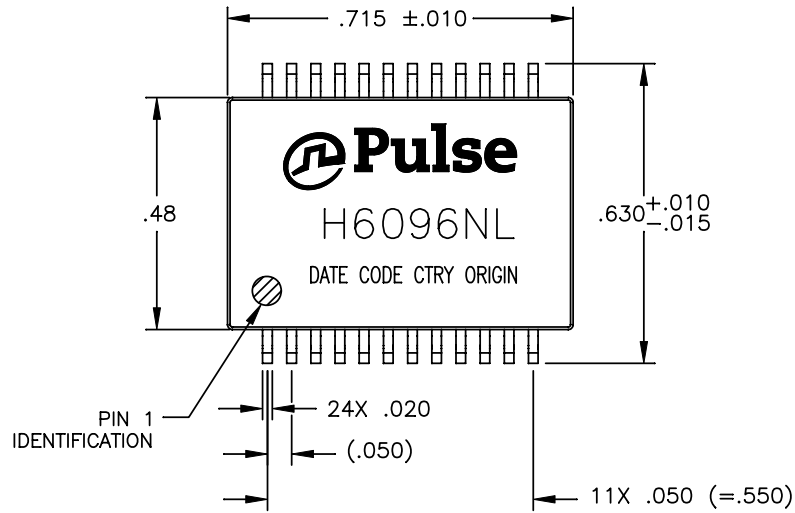
STORAGE TEMPERATURE: -20°C TO +125°C

6.

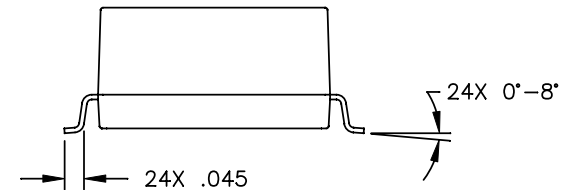
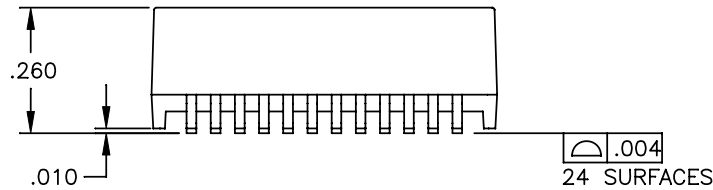
JEDEC MOISTURE: LEVEL 1.

7.

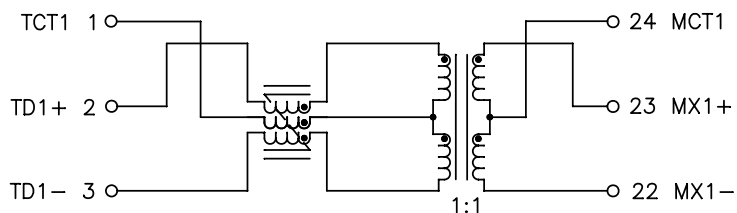
DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX = ±.02
.XXX = ±.010



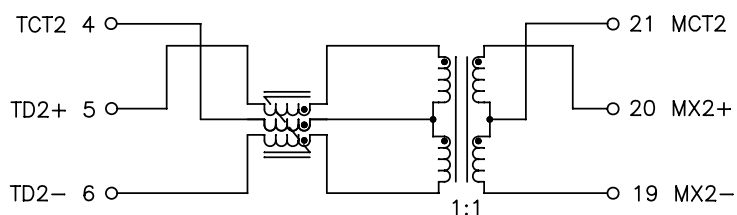
SUGGESTED LAND PATTERN



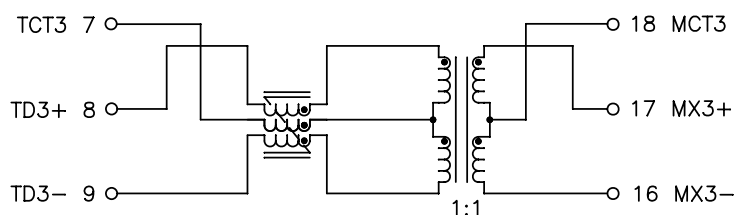
CHANNEL A



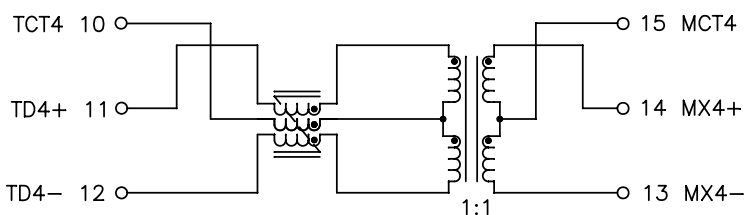
CHANNEL B



CHANNEL C



CHANNEL D



SCHMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C - 70 °C	
URNS RATIO	1 : 1 ±3%	
POLARITY	PER SCHEMATIC	
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, -0 - +70°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS) WITH 8 mA DC BIAS	
	120 uH MIN (MEASURED AT 100 KHz, 100 mVRMS) WITH 19 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
DC RESISTANCE, 1/2 WINDING	.30 OHMS TYP.	
DC RESISTANCE BALANCE	±.05 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

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&
PROPRIETARY

PRODUCT DESCRIPTION
MDL,SIN,1GP,1:1,SM,TU

PS DRAWING
PS-2473.001-A

SHEET:
2

DWG. NO./ PART NO.
H6096NL

REV.
M13