


NOTES: UNLESS OTHERWISE SPECIFIED

1.

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

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: -40°C TO +85°C

5.

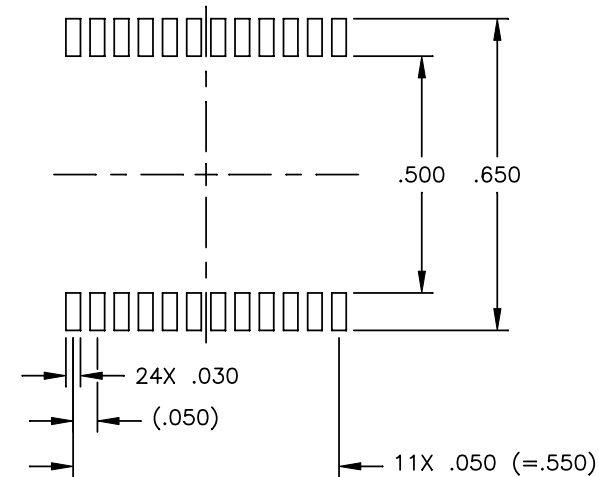
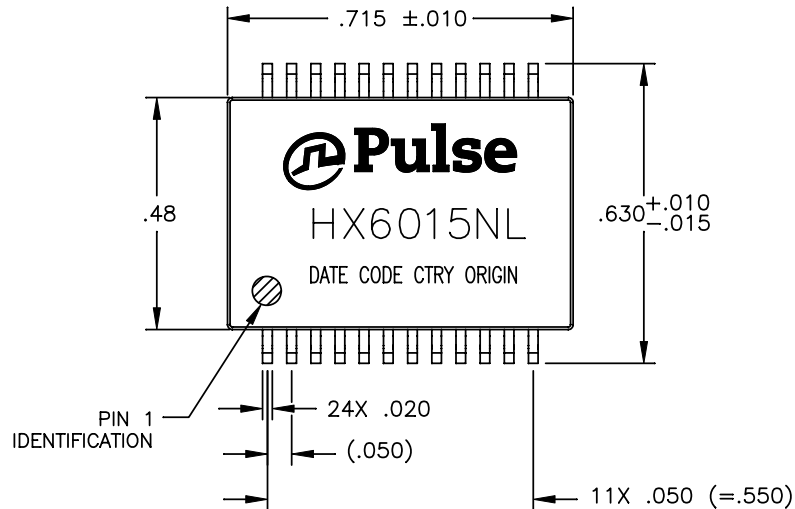
STORAGE TEMPERATURE: -50°C TO +125°C

6.

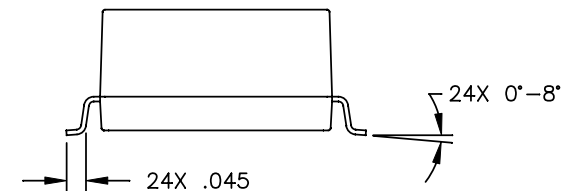
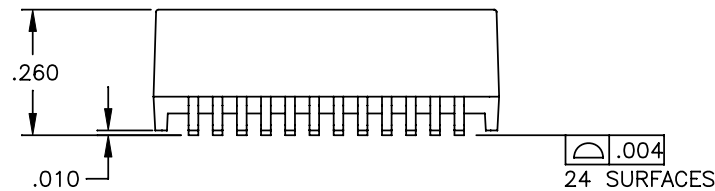
JEDEC MOISTURE: LEVEL 1.

7

DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:

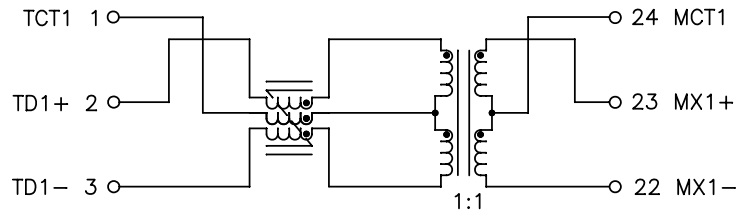
$$\begin{aligned} .XX &= \pm .02 \\ .XXX &= \pm .010 \end{aligned}$$


SUGGESTED LAND PATTERN

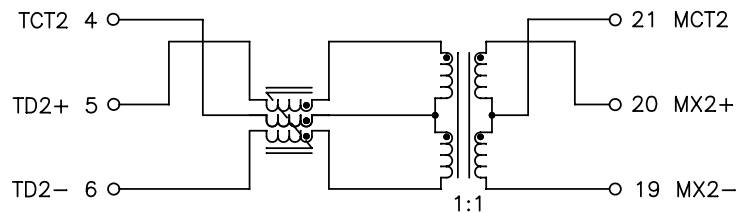


PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,SIN,1GPP,1:1,SM,TU	PS-2473.001-A	1	HX6015NL	M14

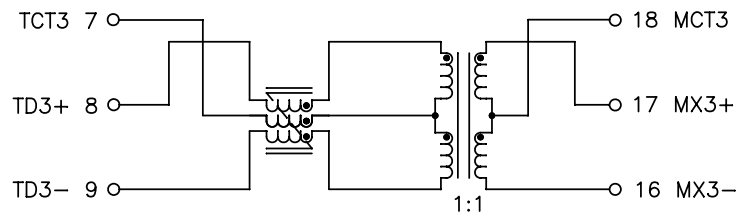
CHANNEL A



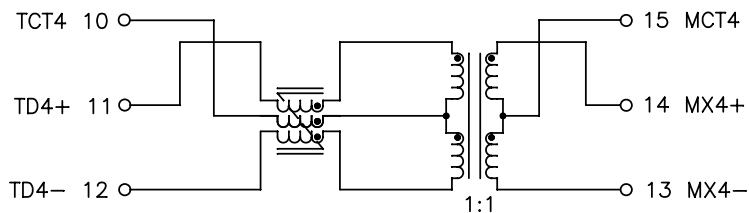
CHANNEL B



CHANNEL C



CHANNEL D



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	-40°C - +85°C	
TURNS RATIO	1.00 ± 2%	
INTERWINDING CAPACITANCE (C _{ww})	20 pF TYP. @ 1 MHz	
LEAKAGE INDUCTANCE (L _L)	250 nH TYP. @ 100 kHz, 100 mV	
TURNS RATIO	1.00 ± 2%	
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 - +85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS WITH 15 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.

Mouser Electronics

Authorized Distributor

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Pulse:

[HX6015NL](#)