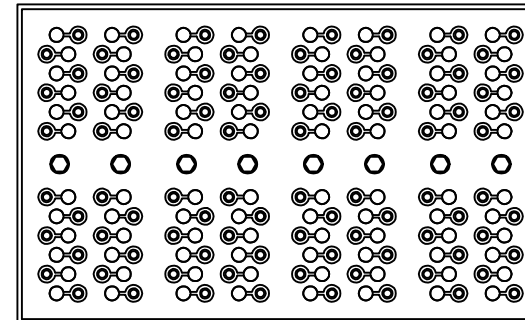
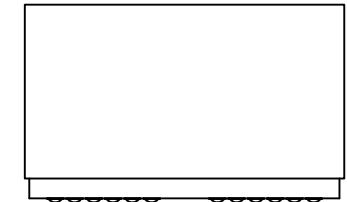
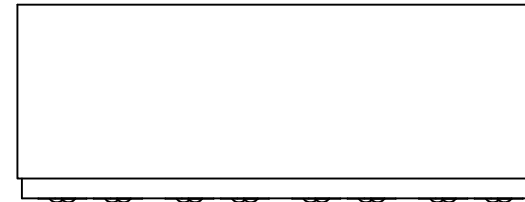
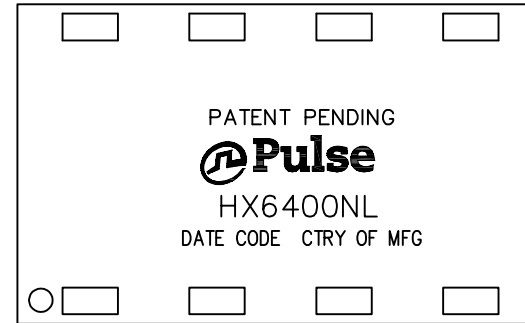


NOTES:

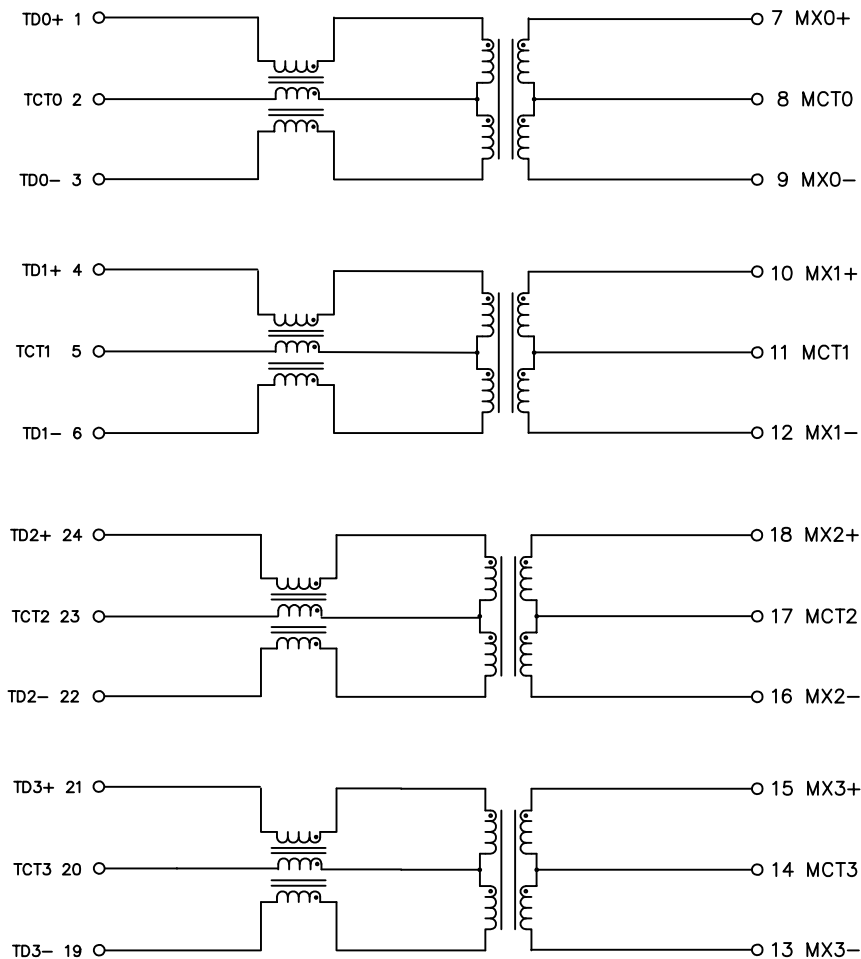
1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -50°C TO +125°C
4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e HX6400NL BECOMES HX6400NLT).



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CHOKE,SIN,1GP,1: 1,SM,OH	HX6400NL-P1	PS-2435.001-D	1 OF 4	HX6400NL	B



SCHEMATIC

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

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C - 85 °C	
URNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAXIMUM
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz	40-100 MHz
	-16 dB MIN	-10+20*LOG ₁₀ (f/80 MHz) dB MINIMUM
INDUCTANCE (OCL) (MEDIA SIDE, -40°C-85°C)	150 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 10.3 mA DC BIAS)	
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz
	-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MINIMUM
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-50 dB MIN	-15+20*LOG ₁₀ (f/200) dB MINIMUM
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAXIMUM	
DC RESISTANCE IMBALANCE	±.065 OHMS MAXIMUM (CENTER TAP SYMMETRY)	
DC CURRENT/VOLTAGE RATING - PSE PINS	600 mA MAX @ 57V (CONTINUOUS)	
INPUT - OUTPUT ISOLATION	1500 VRMS MINIMUM AT 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.

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PRODUCT DESCRIPTION
CHOKE,SIN,1GP,1:1,SM,OH

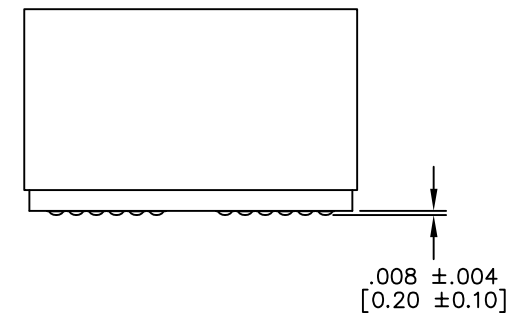
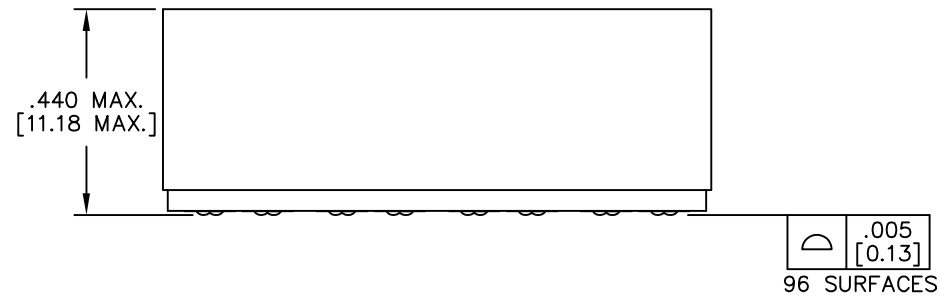
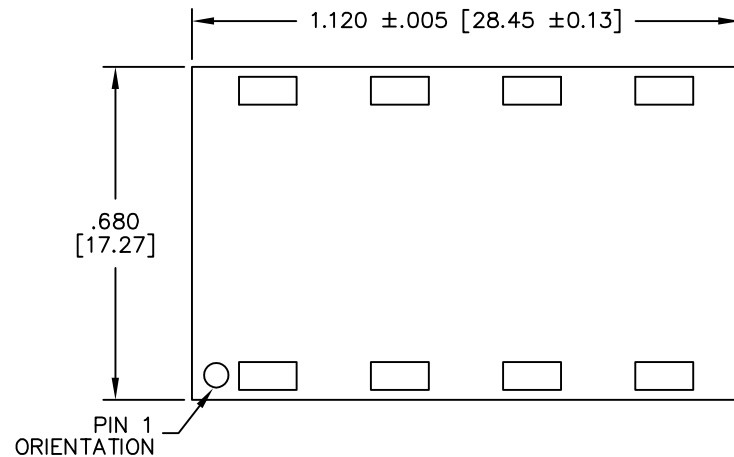
TLA DRAWING
HX6400NL-P1

PS DRAWING
PS-2435.001-D

SHEET
2 OF 4

PART NO.
HX6400NL

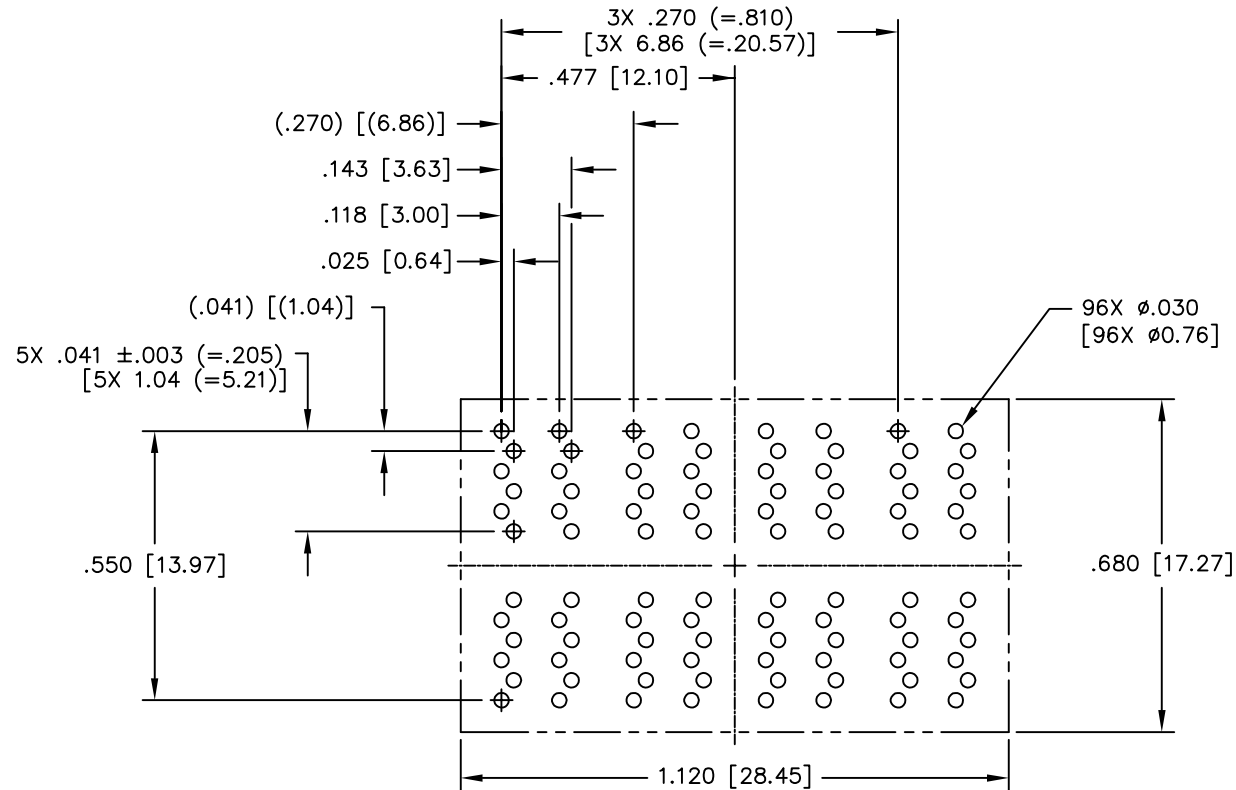
DATASHEET REV.
B



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= $\pm .02$ [± 0.5]
.XXX= $\pm .010$ [± 0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CHOKE,SIN,1GP,1:1,SM,OH	HX6400NL-P1	PS-2435.001-D	3 OF 4	HX6400NL	B



SUGGESTED PCB LAYOUT

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ± 0.02 [± 0.5]
.XXX= ± 0.010 [± 0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CHOKE,SIN,1GP,1: 1,SM,OH	HX6400NL-P1	PS-2435.001-D	4 OF 4	HX6400NL	B