



NOTES:

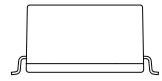
- ROHS COMPLIANT
- HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- 3. STORAGE TEMPERATURE: -20°C TO +125°C
- 4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
- 5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX

 TO THE PART NUMBER(i.e H6080NL BECOMES H6080NLT).



DATE CODE CTRY MFG





FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,1GP,1:1,SM,TU	H6080NL-12	PS-2007.001-C	1 OF 3	H6080NL	A





PORT 1 PORT 2 -0 48 CMT1 TD1+ 20-TD5+ 14 o--0 36 CMT5 \overline{m} TCT1 10 O 47 MX1+ TCT5 13 0--0 35 MX5+ الإ TD1- 30-→ 46 MX1-TD5- 15 o-→ 34 MX5 TD2+ 5 o → 45 CMT2 TD6+ 17 ↔ -0 33 CMT6 \overline{m} TCT2 4 O-O 44 MX2+ TCT6 16 ℃ ⁻O 32 MX6+ ______ -o 31 MX6− TD2- 6 0 O 43 MX2-TD6- 18 ↔ -0 42 CMT3 -0 30 CMT7 TD3+ 80-TD7+ 20 ↔ اگیا \overline{m} ്ന്നം. TCT3 7 o-0 41 MX3+ TCT7 19 0--o 29 MX7+ TD7- 21 o-TD3- 9 o--0 40 MX3− -0 28 MX7-TD4+ 11 o -0 39 CMT4 TD8+ 23 o--0 27 CMT8 \overline{m} \overline{m} TCT4 10 o--o 26 MX8+ -o 38 MX4+ TCT8 22 0-TD4- 12 0 o 37 MX4-TD8- 24 0 -0 25 MX8-

SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

MEETS IEEE 802.3 SPECIFICATION

PARAMETER		SPECIFICATIONS			
OPERATING TEMP	0°C - 70 °C				
TURNS RATIO	1 : 1 ±3%				
POLARITY	PER SCHEMATIC				
	100 KHz	1-125 MHz			
INSERTION LOSS	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX			
RETURN LOSS	.1-40 MHz	40-100 MHz			
(Z OUT = 100 OHM±15%)	-16 dB MIN	-10+20*LOG ₁₀ (f/80 MHz) dB MIN			
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS) AND WITH 8 mA DC BIAS			
	1 MHz	10-100 MHz			
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN	-50+22*LOG ₁₀ (f/10) dB MIN			
COMMON MODE	2 MHz	30-200 MHz			
REJECTION RATIO	-50 dB MIN	-15+20*LOG ₁₀ (f/200) dB MIN			
DIFFERENTIAL TO COMMON	2 MHz	30-200 MHz			
DIFFERENTIAL TO COMMON MODE REJECTION	-50 dB MIN	-15+20*LOG ₁₀ (f/200) dB MIN			
DC RESISTANCE 1/2 WINDING	.65 OHMS MAX				
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)				
INPUT — OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS				

NOTE: f IS FREQUENCY IN MHz.

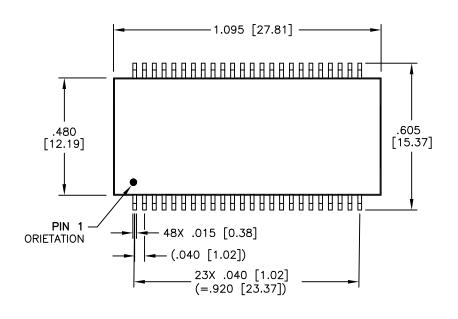
	LEGEND	
	$Td \longleftrightarrow Mx$	
C	$Td \longleftrightarrow Mx$	M
H	$Td \Longleftrightarrow Mx$	ED-A
Ė	$Td \longleftrightarrow Mx$	Å
ş	Td ← Mx	S
S D F	$Td \longleftrightarrow Mx$	S I D
E	$Td \longleftrightarrow Mx$	Ĕ
	$Td \longleftrightarrow Mx$	
ΪŃ	LL CHANNELS ARE I PHASE BETWEEN IPUT AND OUTPUT	

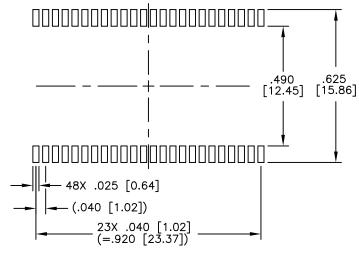
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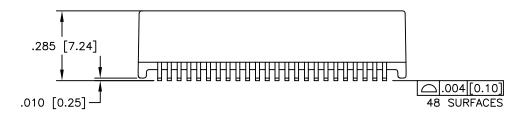
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MDL,DUAL,1GP,1:1,SM,TU	H6080NL-12	PS-2007.001-C	2 OF 3	H6080NL	A



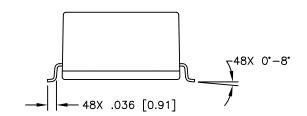












DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY. $.XX = \pm .02$ [± 0.5] $.XXX = \pm .010$ [± 0.25]

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Mouser Electronics

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H6080NL H6080NLT