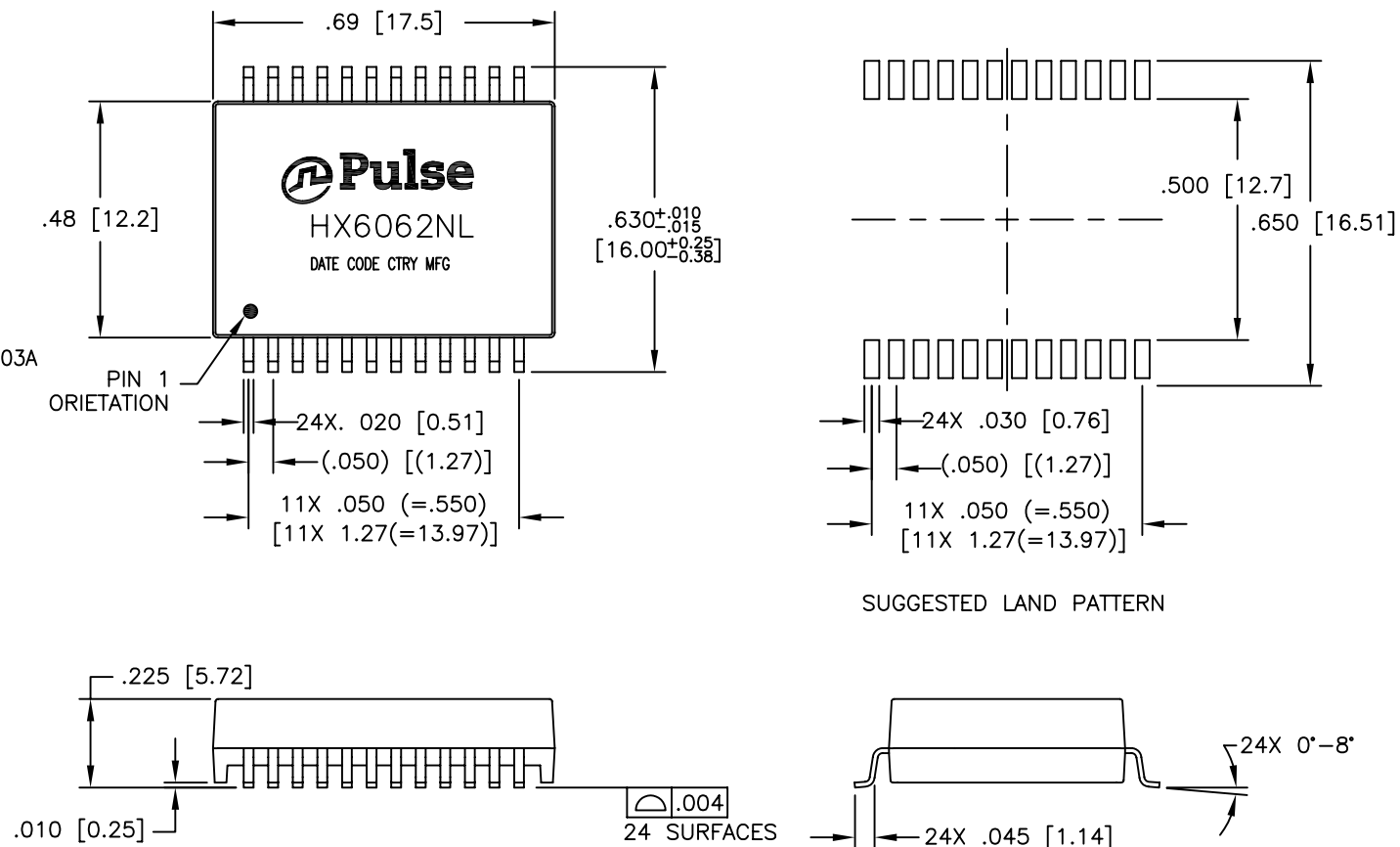
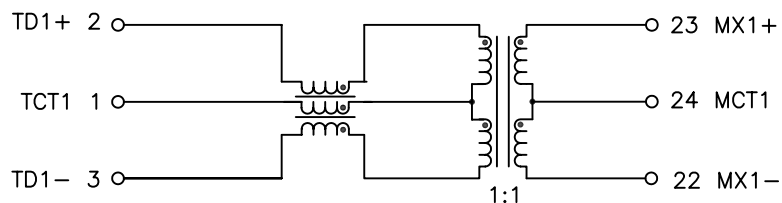


NOTES: UNLESS OTHERWISE SPECIFIED

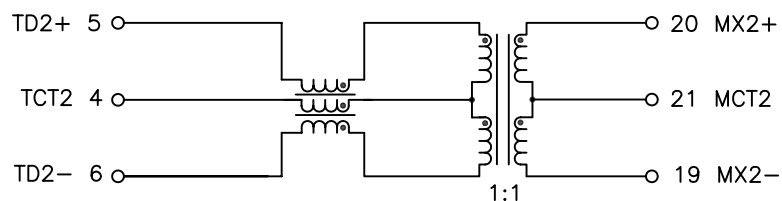
- |                                                                                        |                                                                        |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| NOTICE:                                                                                | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT.                            |
| RoHS  | ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
- PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
- OPERATING TEMPERATURE: -40°C TO +85°C
- STORAGE TEMPERATURE: -50°C TO +125°C
- JEDEC MOISTURE: LEVEL 1.
- DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
.XX= ±0.02 [±0.5]  
.XXX= ±0.10 [±0.25]
- NOT FOR SALE IN U.S.



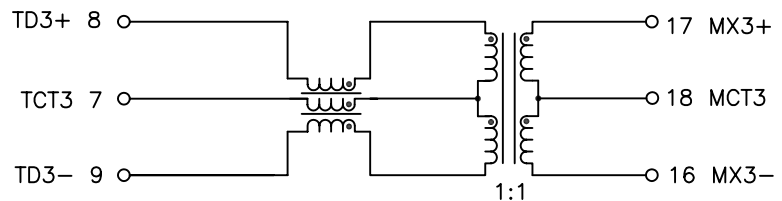
#### CHANNEL 1



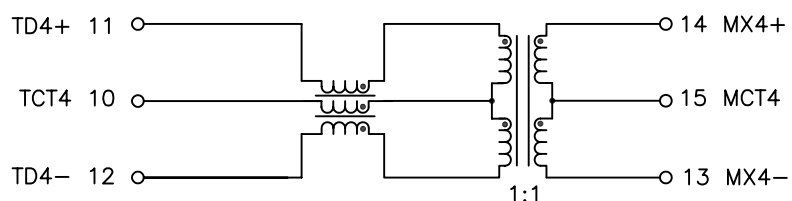
#### CHANNEL 2



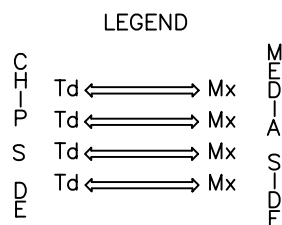
#### CHANNEL 3



#### CHANNEL 4



SCHEMATIC



ALL CHANNELS ARE  
IN PHASE BETWEEN  
INPUT AND OUTPUT

#### ELECTRICAL CHARACTERISTICS AT +25°C

| 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 <sup>1.4</sup> dB MAX                          |
| RETURN LOSS<br>(Z OUT = 100 OHM ±15%)        | .1-40 MHz                            | 40-100 MHz                                                  |
|                                              | -16 dB MIN                           | -10+20*LOG <sub>10</sub> (f/80 MHz) dB MIN                  |
| INDUCTANCE (OCL)<br>(MEDIA SIDE, -40°C~85°C) | 350 uH MIN                           | (MEASURED AT 100 KHz, 100 mVRMS)<br>(AND WITH 8 mA DC BIAS) |
|                                              | 325 uH MIN AT -40°C                  |                                                             |
| CROSSTALK, ADJACENT<br>CHANNELS              | 1 MHz                                | 10-100 MHz                                                  |
|                                              | -50 dB MIN                           | -55+22*LOG <sub>10</sub> (f/10) dB MIN                      |
| COMMON MODE<br>REJECTION RATIO               | 2 MHz                                | 30-200 MHz                                                  |
|                                              | -50 dB MIN                           | -15+20*LOG <sub>10</sub> (f/200) dB MIN                     |
| DC RESISTANCE,<br>1/2 WINDING                | .65 OHMS MAX                         |                                                             |
| DC RESISTANCE<br>IMBALANCE                   | ±.065 OHMS MAX (CENTER TAP SYMMETRY) |                                                             |
| INPUT - OUTPUT<br>ISOLATION                  | 1500 VRMS MIN @ 60 SECONDS           |                                                             |

NOTE: f IS FREQUENCY IN MHz.