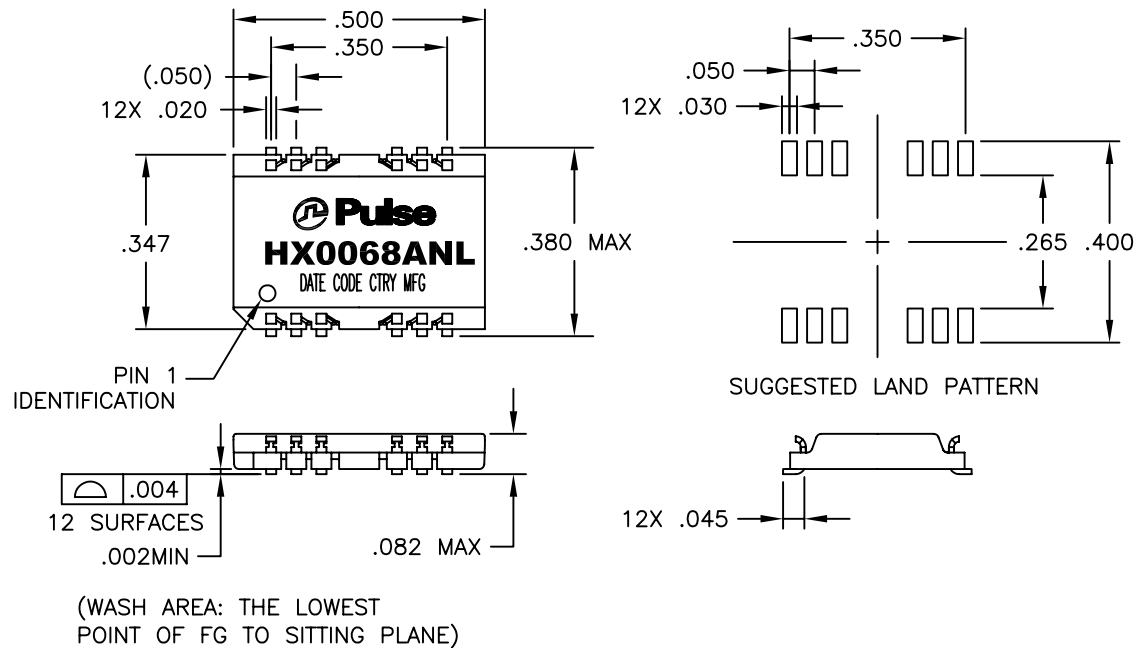


NOTES: UNLESS OTHERWISE SPECIFIED

1. 

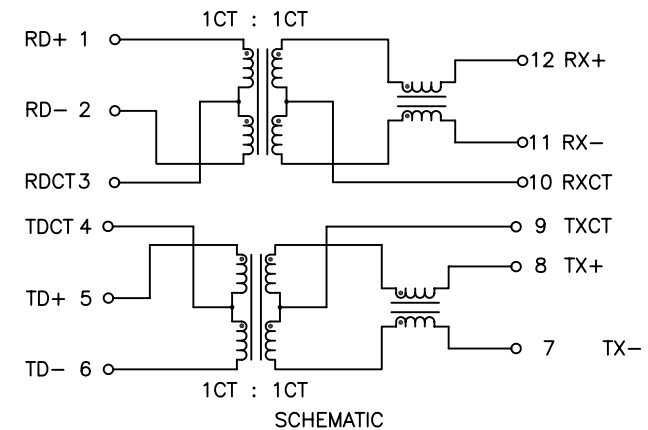
|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS    |                                   |
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 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, TOLERANCES ARE:  
.XX = ±.01 .XXX = ±.005



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED  
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

| PARAMETER                                        | SPECIFICATIONS                       |                                                             |
|--------------------------------------------------|--------------------------------------|-------------------------------------------------------------|
| OPERATING TEMP                                   | -40°C TO +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 TO +85°C) | 350 uH MIN                           | (MEASURED AT 100 KHz, 100 mVRMS)<br>(AND WITH 8 mA DC BIAS) |
|                                                  | 325 uH MIN @ -40°C                   |                                                             |
| CROSSTALK, ADJACENT CHANNELS                     | 1 MHz                                | 10-100 MHz                                                  |
|                                                  | -50 dB MIN                           | -55+22*LOG <sub>10</sub> (f/10) dB MIN                      |
| COMMON MODE REJECTION RATIO                      | 2 MHz                                | 30-200 MHz                                                  |
|                                                  | -42 dB MIN                           | -15+20*LOG <sub>10</sub> (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.



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|                                        |                        |               |        |                    |      |
|----------------------------------------|------------------------|---------------|--------|--------------------|------|
| PULSE CONFIDENTIAL<br>&<br>PROPRIETARY | PRODUCT DESCRIPTION    | PS DRAWING    | SHEET: | DWG. NO./ PART NO. | REV. |
|                                        | MDL,SIN,100D,1:1,SM,TU | PS-2288.001-A | 1      | HX0068ANL          | M10  |