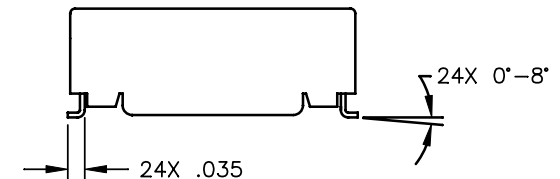
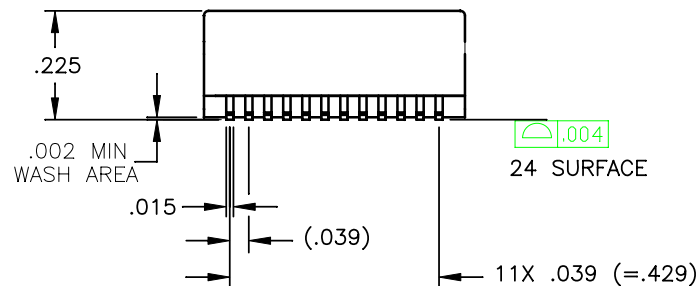
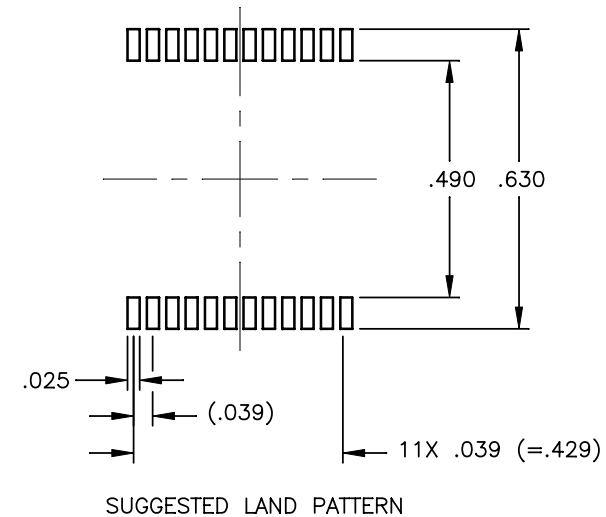
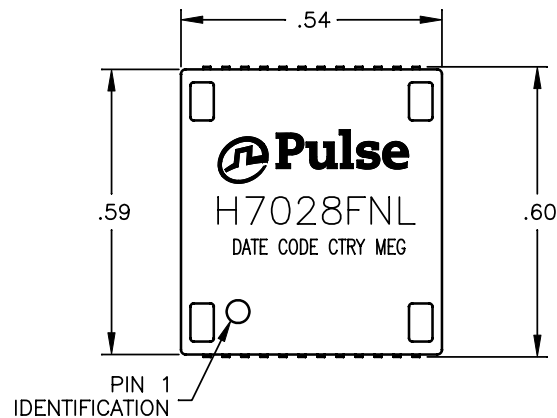


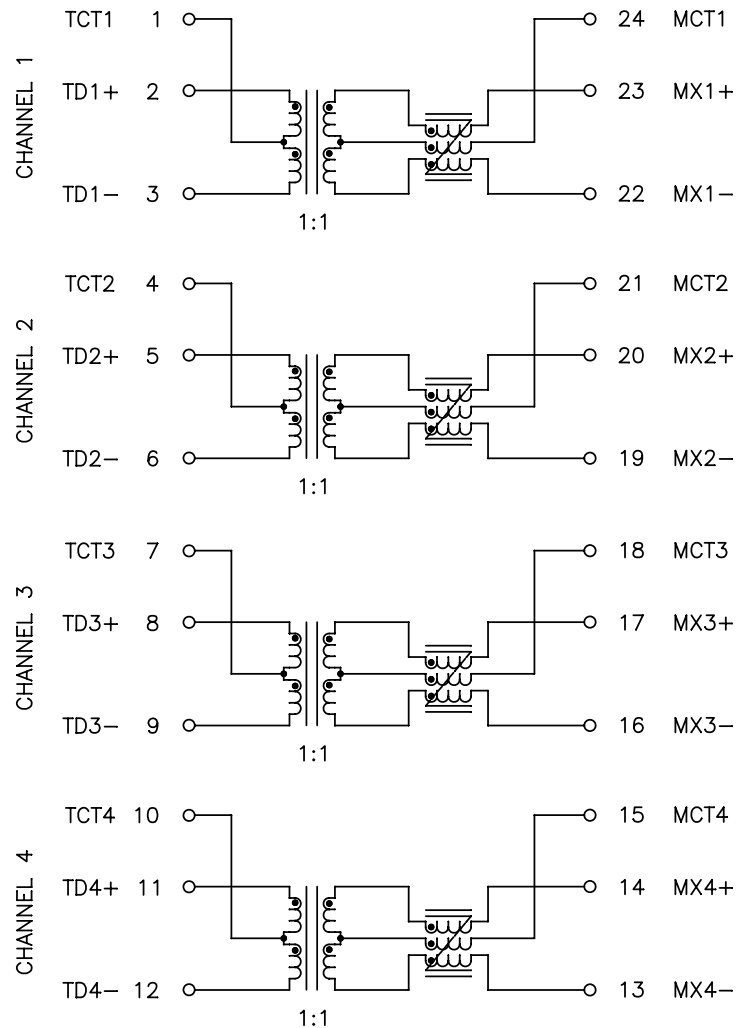
NOTES: UNLESS OTHERWISE SPECIFIED

1. 

|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS    |                                   |
2. PLASTIC: THERMOPLASTIC 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: 0°C TO +70°C
5. STORAGE TEMPERATURE: -20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES, TOLERANCES:  
.XX =  $\pm 0.02$   
.XXX =  $\pm 0.010$
8. REVISION: MX1, MX2, ..... ARE PRELIMINARY.



|                                        |                            |               |        |                    |      |
|----------------------------------------|----------------------------|---------------|--------|--------------------|------|
| PULSE CONFIDENTIAL<br>&<br>PROPRIETARY | PRODUCT DESCRIPTION        | PS DRAWING    | SHEET: | DWG. NO./ PART NO. | REV. |
|                                        | MDL,SIN,10G,1:1,GEN2,SM,TU | PS-2746.002-A | 1      | H7028FNL           | MP1  |



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

| PARAMETER                                    | SPECIFICATIONS               |                          |             |
|----------------------------------------------|------------------------------|--------------------------|-------------|
| OPERATING TEMP                               | 0°C – 70°C                   |                          |             |
| TURNS RATIO                                  | 1.00 ± 2%                    |                          |             |
| POLARITY                                     | PER SCHEMATIC                |                          |             |
| INSERTION LOSS                               | 100 KHz                      | 1–500 MHz                |             |
|                                              | –3.0 dB MAX                  | –1.0 dB MAX (–.6 dB TYP) |             |
| RETURN LOSS<br>(Z OUT = 100 OHM ± 1%)        | 2–100 MHz                    | 100 MHz–500 MHz          |             |
|                                              | –25dB MIN                    | –11 + 17*LOG (f/400)     |             |
| INDUCTANCE (OCL)                             | 120 uH TYP @ 100 kHz, 100 mV |                          |             |
| CROSSTALK, ADJACENT CHANNELS                 | 1–100 MHz                    | 100–500 MHz              |             |
|                                              | –40 dB MIN                   | –30 dB MIN               |             |
| COMMON MODE REJECTION RATIO                  | 1–100 MHz                    | 100–300 MHz              | 300–500 MHz |
|                                              | –35 dB MIN                   | –30 dB MIN               | –25 dB MIN  |
| COMMON TO DIFFERENTIAL MODE REJECTION (CDMR) | 1–250 MHz                    |                          | 250–500 MHz |
|                                              | –30 dB MIN                   |                          | –22 dB MIN  |
| INPUT – OUTPUT ISOLATION                     | 1500 VRMS MIN @ 60 SECONDS   |                          |             |

NOTE: f IS FREQUENCY IN MHZ.