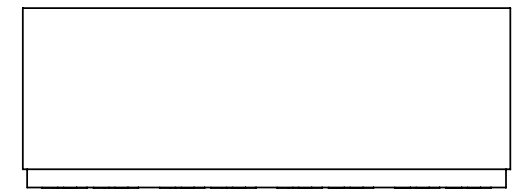
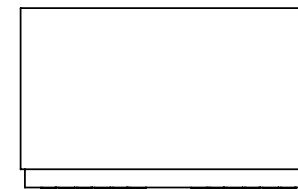
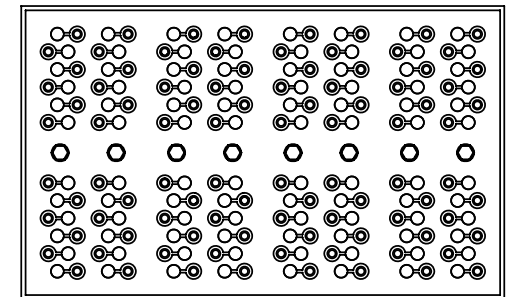
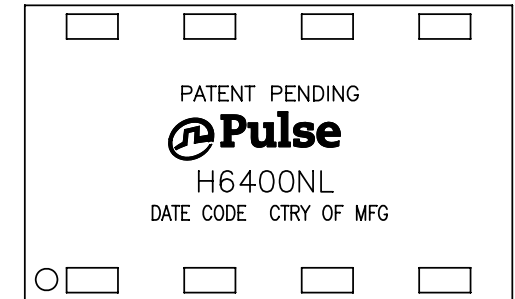


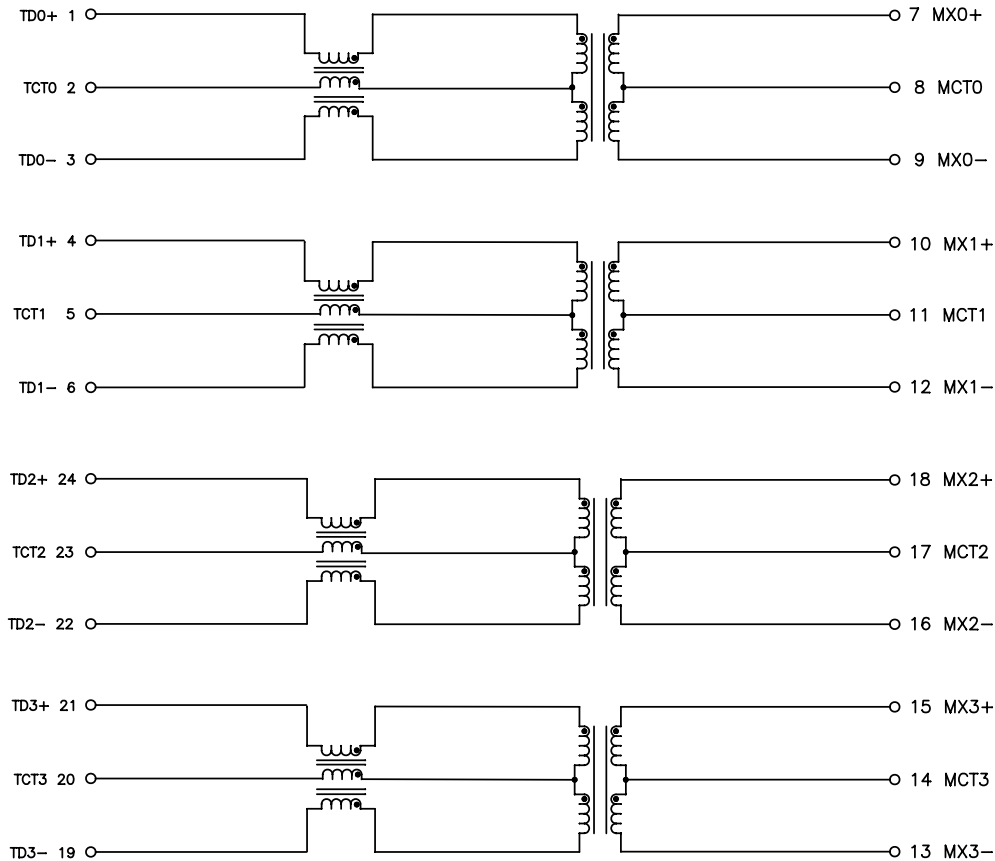
NOTE: UNLESS OTHERWISE SPECIFIED

1. 

|                                                                                        |                                                                                                                    |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NOTICE:                                                                                | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS  |                                                                                                                    |
2. HEADER: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIS 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 [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
.XX= ±.01 [±0.25]  
.XXX= ±.005 [±0.13]
8. REVISION: MX1,MX2, ..... ARE PRELIMINARY.



| PULSE CONFIDENTIAL<br>&<br>PROPRIETARY | PRODUCT DESCRIPTION    | PS DRAWING    | SHEET: | DWG. NO./ PART NO. | REV. |
|----------------------------------------|------------------------|---------------|--------|--------------------|------|
|                                        | MDL,QUAD,1GPP, 1:1,SMT | PS-2435.001-D | 1      | H6400NL            | M10  |

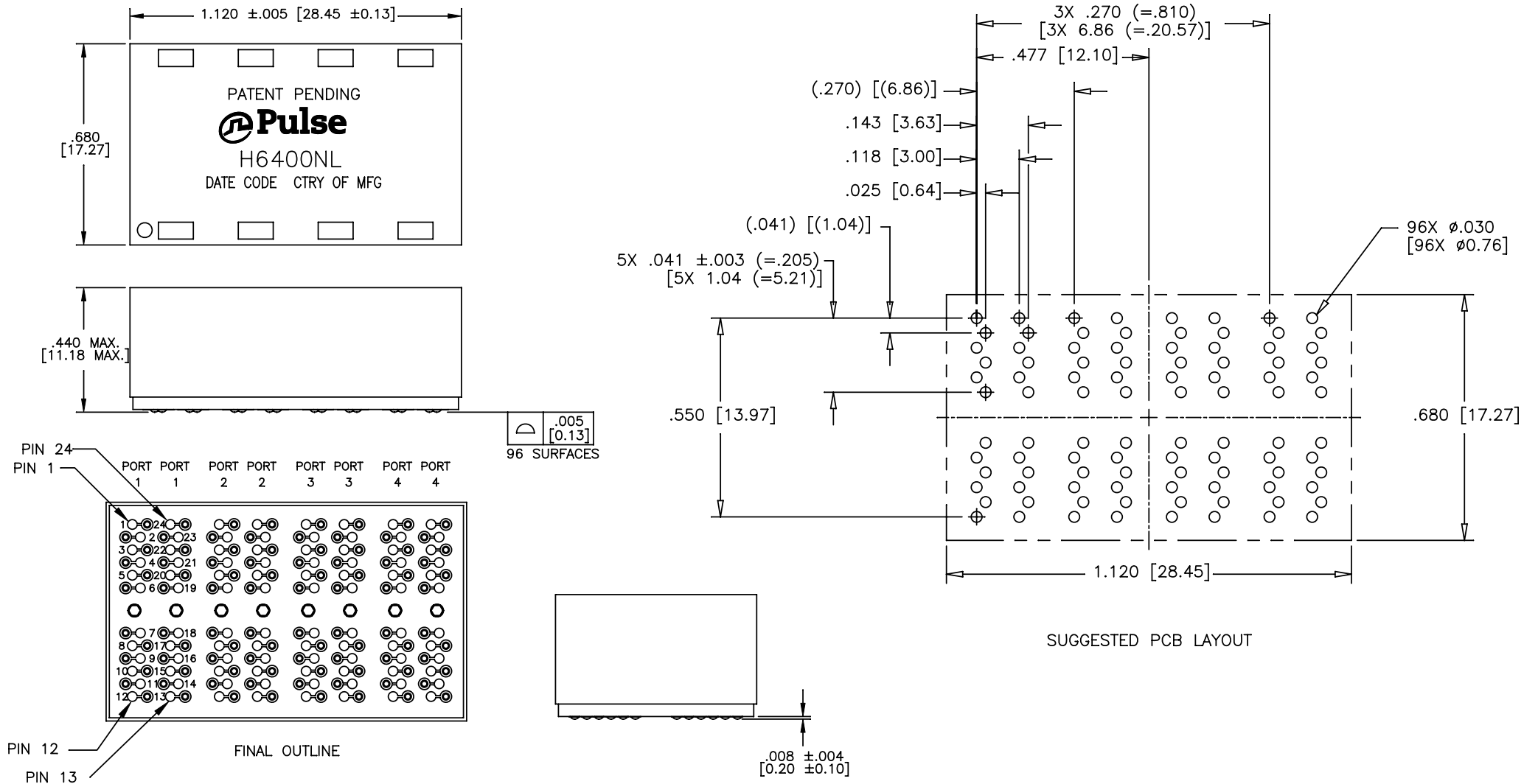


SCHEMATIC

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

| PARAMETER                                  | SPECIFICATIONS                           |                                                              |
|--------------------------------------------|------------------------------------------|--------------------------------------------------------------|
| OPERATING TEMP                             | 0°C – 70 °C                              |                                                              |
| TURNS 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 MAXIMUM                       |
| 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 MINIMUM               |
| INDUCTANCE (OCL)<br>(MEDIA SIDE, 0°C–70°C) | 350 uH MIN                               | (MEASURED AT 100 KHz, 100 mVRMS<br>AND WITH 8 mA DC BIAS)    |
|                                            | 120 uH MIN                               | (MEASURED AT 100 KHz, 100 mVRMS<br>AND WITH 18.3 mA DC BIAS) |
| CROSSTALK, ADJACENT<br>CHANNELS            | 1 MHz                                    | 10–100 MHz                                                   |
|                                            | –50 dB MIN                               | –55+22*LOG <sub>10</sub> (f/10) dB MINIMUM                   |
| COMMON MODE<br>REJECTION RATIO             | 2 MHz                                    | 30–200 MHz                                                   |
|                                            | –50 dB MIN                               | –15+20*LOG <sub>10</sub> (f/200) dB MINIMUM                  |
| DC RESISTANCE,<br>1/2 WINDING              | .65 OHMS MAXIMUM                         |                                                              |
| DC RESISTANCE<br>IMBALANCE                 | ±.065 OHMS MAXIMUM (CENTER TAP SYMMETRY) |                                                              |
| DC CURRENT/VOLTAGE<br>RATING – PSE PINS    | 600 mA MAX @ 57V (CONTINUOUS)            |                                                              |
| INPUT – OUTPUT<br>ISOLATION                | 1500 VRMS MINIMUM AT 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,QUAD,1GPP, 1:1,SMT | PS-2435.001-D | 3      | H6400NL            | M10  |