
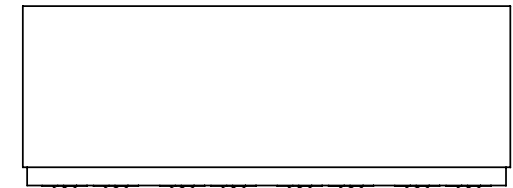
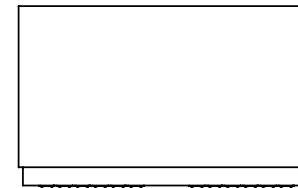
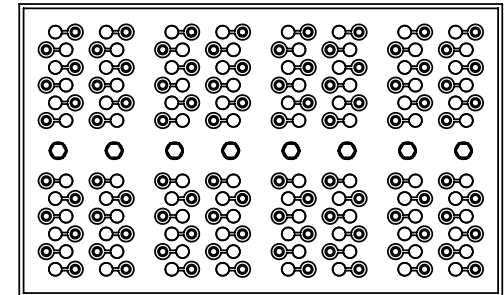
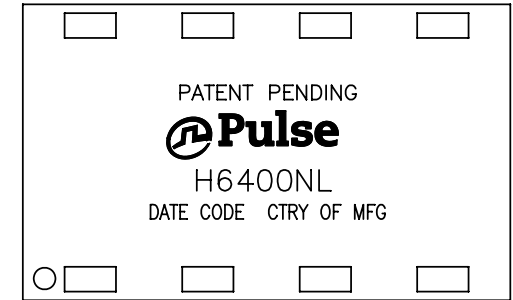


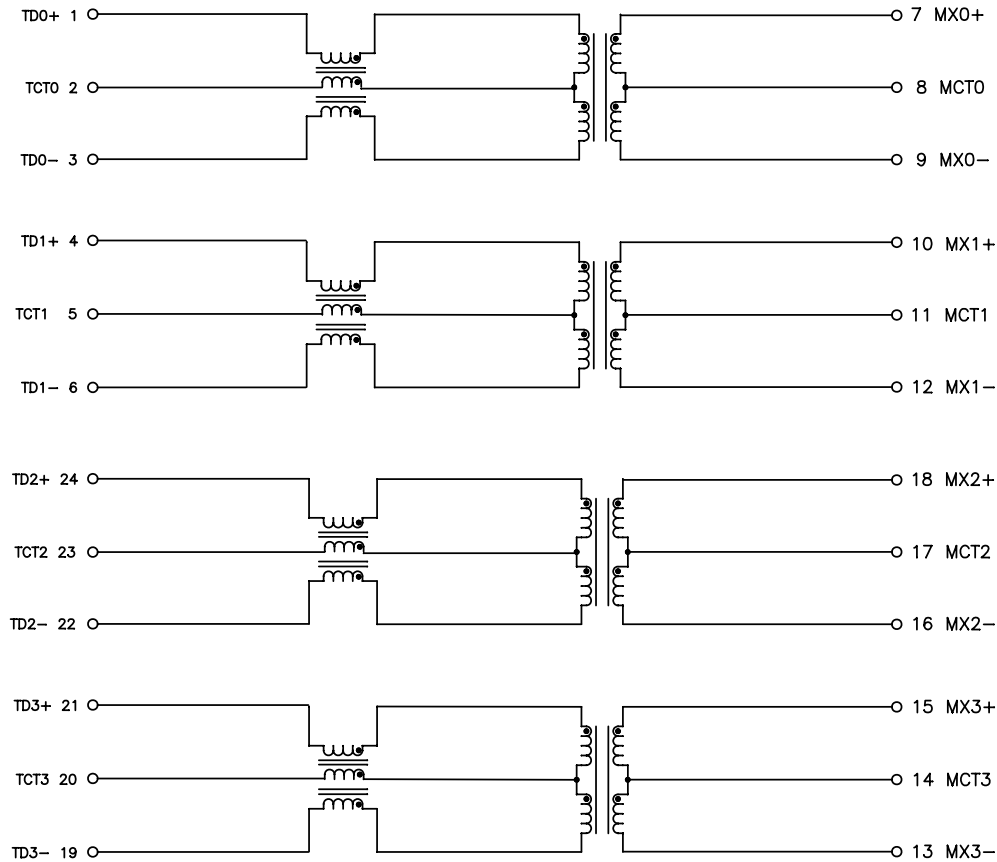
NOTE: UNLESS OTHERWISE SPECIFIED

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 & 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 (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) (MEDIA SIDE, 0°C–70°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)
	120 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS AND WITH 18.3 mA DC BIAS)
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz
	-50 dB MIN	-55+22*LOG <sub>10</sub> (f/10) dB MINIMUM
COMMON MODE REJECTION RATIO	2 MHz	30–200 MHz
	-50 dB MIN	-15+20*LOG <sub>10</sub> (f/200) dB MINIMUM
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAXIMUM	
DC RESISTANCE IMBALANCE	±.065 OHMS MAXIMUM (CENTER TAP SYMMETRY)	
DC CURRENT/VOLTAGE RATING – PSE PINS	600 mA MAX @ 57V (CONTINUOUS)	
INPUT – OUTPUT ISOLATION	1500 VRMS MINIMUM AT 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

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PULSE CONFIDENTIAL  
&  
PROPRIETARY

PRODUCT DESCRIPTION

MDL,QUAD,1GPP, 1:1,SMT

PS DRAWING

PS-2435.001-D

SHEET:

2

DWG. NO./ PART NO.

H6400NL

REV.

M10