



Pulse Electronics

LAN Product Guide – Switches



Ideal for multi-port router switch applications



Available for high-density 1XN / 2XN platforms, PoE, PoE+ and extended temperature.

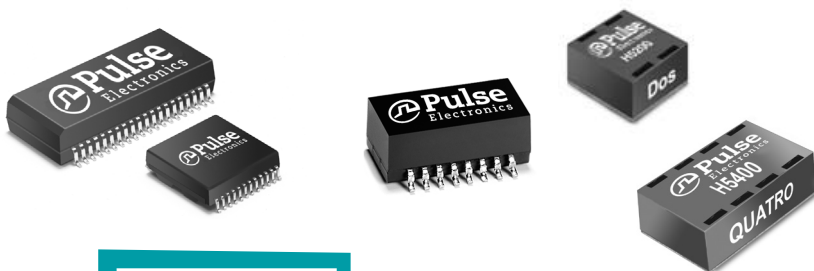


Custom design options available (LED, pinout).



X = extended temp, P = PoE, PP = PoE+

DISCRETE MAGNETICS		CONNECTORS WITH INTEGRATED MAGNETICS	
10/100	Gigabit	10/100	Gigabit
DUAL: H1270NL HX1294NL X H2006ANL P H2009NL P	DUAL: H5012NL H5014NL HX5014NL X H5200NL P H5201NL P H6080NL P	1XN: J80-0004NL (1X4) JX80-0033NL X (1X4) J8064D668ANL (1X6) JX8064D668ANL X (1X6) J8064D688ANL (1X8) JX8064D688ANL X (1X8)	1X1: JG0-0098NL (1X4) JXG0-0098NL X (1X4) JG0-0070NL (1X6) JXG0-0143NL X (1X6) JG0-0028NL (1X4)
QUAD: H1164NL HX1234NL X H1259NL P, HX1259NL P, X	DUAL: H5400 P HX5400NL P, X H5401 P HX5401NL P, X H6400NL PP	2XN: J20-0013NL (2X2) J20-0114NL (2X4) JX20-0114NL X (2X4) J20-0115NL (2X6) JX20-0115NL X (2X6) J20-0116NL (2X8) JX20-0116NL X (2X8)	2XN: JCO-0182NL (2X4) JXCO-0182NL X (2X4) JCO-0183NL (2X6) JCO-0319NL (2X8) JCO-0351NL (2X4) JOB-0364NL P (2X4) JOB-0366NL P (2X6) JOB-0384NL PP (2X4) JOB-0386NL PP (2X6) JOB-0388NL PP (2X8)

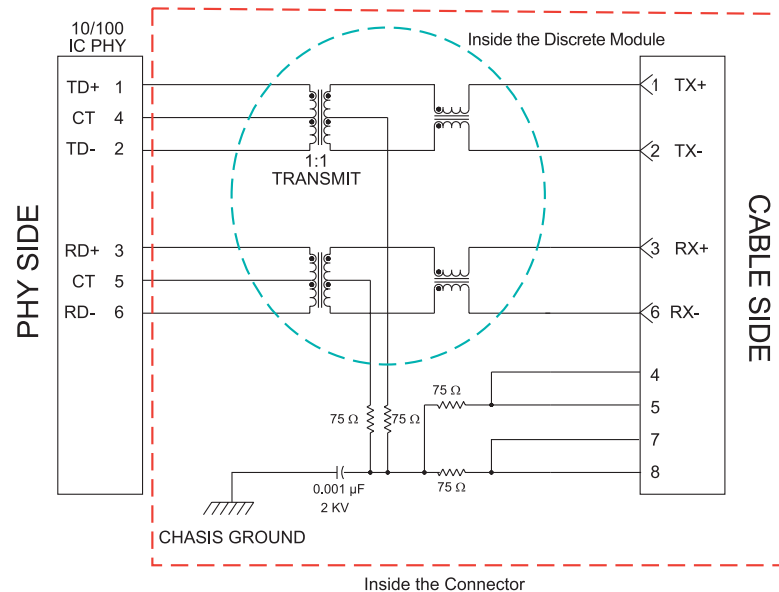




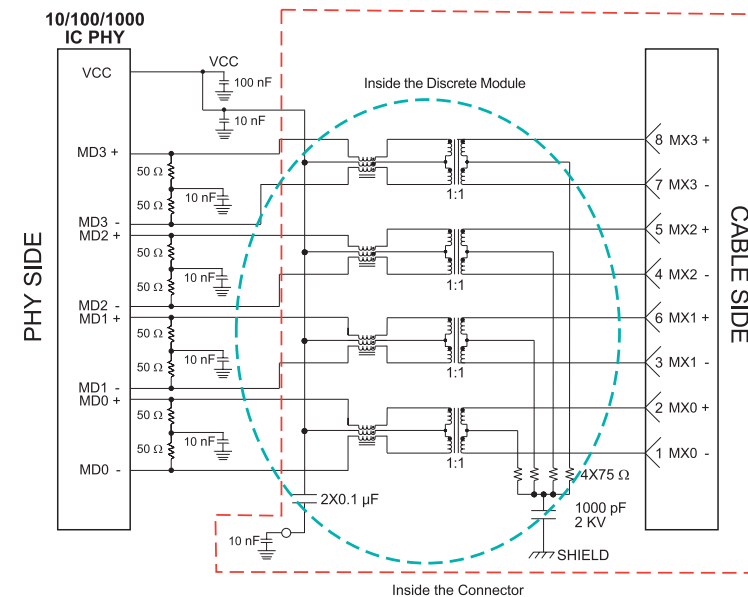
Application Notes

- Layering ground planes is advisable. Route connector/discrete module ground pins to chassis/analog ground if possible.
- Keep signal traces from PHY to connector/discrete module as short as possible. If traces exceed 3-4 inches, pay close attention to line impedance imbalance.
- Using BST (75Ω resistors and high voltage cap to chassis ground) to terminate Cable side CTs is advisable for best EMI performance (included in most connector solutions).
- Follow PHY manufacturer's application notes for further layout considerations.

10/100 APPLICATION CIRCUIT



GIGABIT APPLICATION CIRCUIT



For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe
Zeppelinstrasse 15
71083 Herrenberg
Germany

Tel: 49 7032 78060
Fax: 49 7032 7806 135

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejian Road
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China
Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.
© Copyright, 2013. Pulse Electronics, Inc. All rights reserved.