



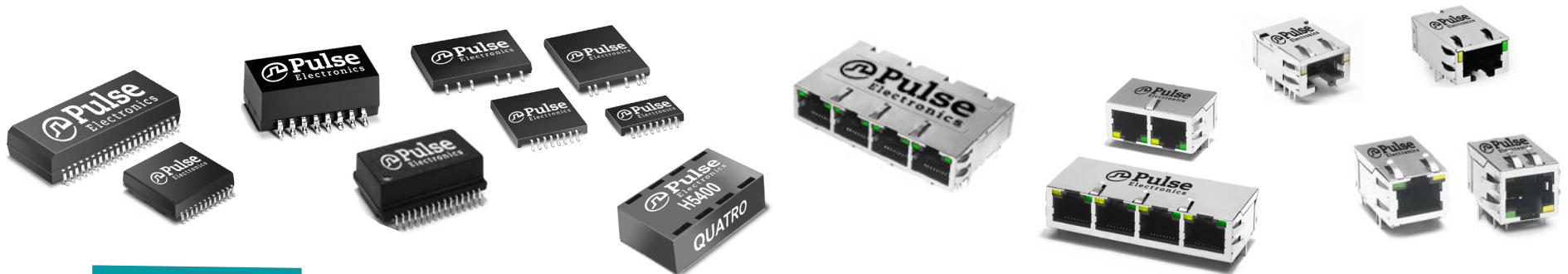
Pulse Electronics

LAN Product Guide – Servers

-  Ideal for single and multi-port server applications
-  Available for PoE, PoE+ and PCI - Express cards.

-  Custom design options available (LED, pinout, extended temperature, etc...)
-  X = extended temp, ^P = PoE, ^{PP} = PoE+, ^{OS} = Offset

MAGNETICS			CONNECTORS WITH INTEGRATED MAGNETICS			
10/100	Gigabit	10GBASE-T	10/100	Gigabit	10GBASE-T	
SINGLE: H1263NL H2019NL ^P HX1188NL ^X HX2326NL ^{X, PP}	SINGLE: H5062NL H5610NL H6062NL ^P HX5004EN ^X HX5062NL ^X HX5610NL ^X	SINGLE: (4 channel) (5 channel) H7028FNL H7137FNL ^P H7029FNL ^P	1X1: JD1-0003NL JD1-0004NL JKM-0009NL JKM-0010NL JKO-0125NL ^P JKO-0144NL ^P	1X1: J1L-0103NL ^{OS} JD1-0001NL JD1-0002NL JKM-0003NL JKM-0004NL JKO-0161NL ^P JKO-0177NL ^P JXKO-0190NL	1X1: (4 channel) (5 channel) JT4-1120HL JT3-1101HL JTH-0024NL JT3-1125HL JT4-1108HL JT4-1109HL JT4-1160HL	
DUAL: H1270FNL H2006ANL ^P HX1294NL ^X	DUAL: H5014NL HX5014NL ^X H5200NL ^P HX5200NL ^X H5201NL HX5201NL ^X	For Dual, please contact Pulse	1X2: JX80-0019NL ^X	1X2: JG0-0129NL JGL-0001NL ^{OS} JGL-0004NL ^{OS} JXG0-0129NL ^X	1X2: Available for sampling, please contact Pulse	
QUAD: H1164NL HX1234NL ^X H1259NL ^P HX1259NL ^{P,X} H5200NL ^P HX5201NL ^X H5201NL HX5200NL ^X	QUAD: H5200NL ^P HX5400NL ^{P,X} H5400NL ^P HX5401NL ^X H6400NL ^{PP}	For Quad, please contact Pulse	1X4: J1N-0013NL J80-0004NL JX80-0033NL ^X	1X4: J1N-0002NL JG0-0098NL JXG0-0098NL ^X	1X4: (4 channel) JT6-1473NL JT6-1480NL ^{PP}	





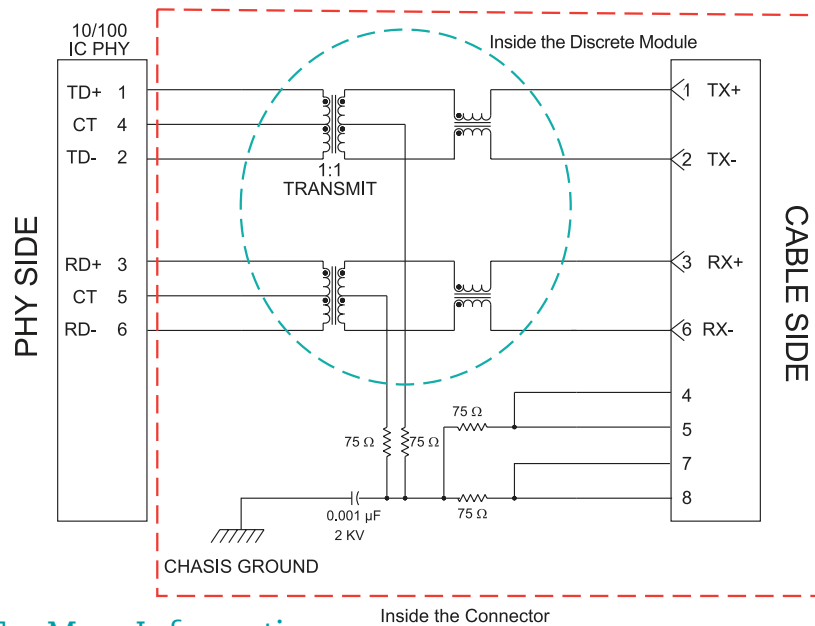
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LAN Product Guide – Servers

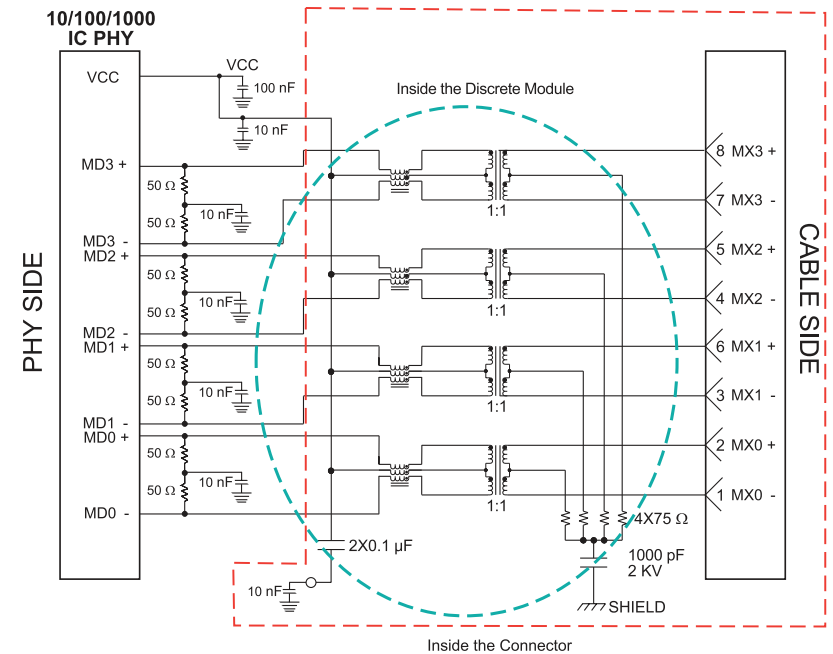
Application Notes

- 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

10/100 APPLICATION CIRCUIT



TYPICAL 10GBASE-T /GIGABIT 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 Kejinan 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)

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