



Pulse
A TECHNITROL COMPANY

LAN Product Guide – Servers



Ideal for single and multi-port server applications.



Available for PoE, PCI-Express Cards and RoHS 6 compliant applications.

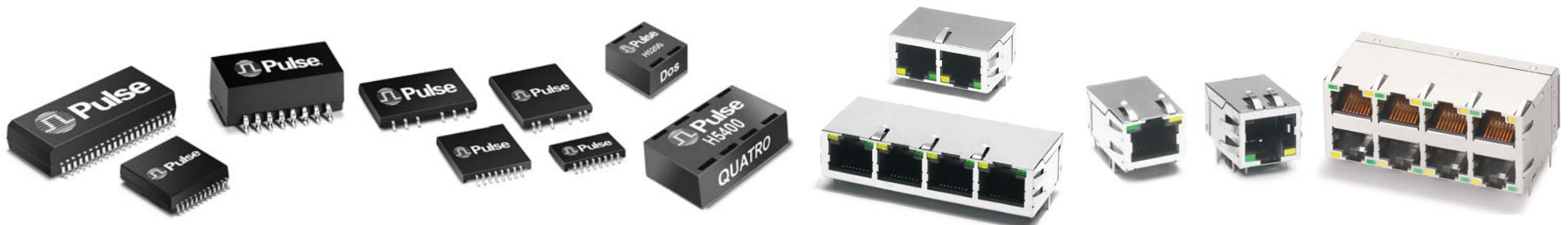


Custom design options available (LED, pinout).



X = extended temp, **P** = PoE, **NL** = RoHS compliant, **A** = AutoMDIX.

MAGNETICS		CONNECTORS WITH INTEGRATED MAGNETICS	
10/100	Gigabit	10/100	Gigabit
SINGLE: H1102NL ^A HX1188NL ^{A, X} H2019NL ^{A, P}	SINGLE: H5007NL ^A HX5004NL ^{A, X} H6062NL ^{A, P}	1X1: J1011F21PNL ^A J00-0045NL ^A JX00-0027NL ^{A, X} JK0-0144NL ^{A, P} JXK0-0025NL ^{A, P, X}	1X1: JK0-0036NL ^A JXK0-0036NL ^{A, X} JK0-0132NL ^A JK0-0161NL ^{A, P, X}
DUAL: H1270NL ^A HX1294NL ^{A, X} H2006ANL ^{A, P}	DUAL: H5014NL ^A HX5014NL ^{A, X} H5200NL ^{A, P} H5201NL ^{A, P}	1X2: J80-0019NL ^A JX80-0037NL ^{A, X}	1X2: JG0-0129NL ^A JXG0-0129NL ^{A, X} JG0-0134NL ^A
QUAD: H1164NL ^A HX1234NL ^{A, X} H1259NL ^{A, P} HX1259NL ^{A, P, X}	QUAD: H5400NL ^{A, P} HX5400NL ^{A, P, X} H5401NL ^{A, P} HX5401NL ^{A, P, X}	1X4: J80-0004NL ^A J80-0011NL ^A JX80-0033NL ^{A, X}	1X4: JG0-0098NL ^A JG0-0136NL ^A JXG0-0098NL ^{A, X}





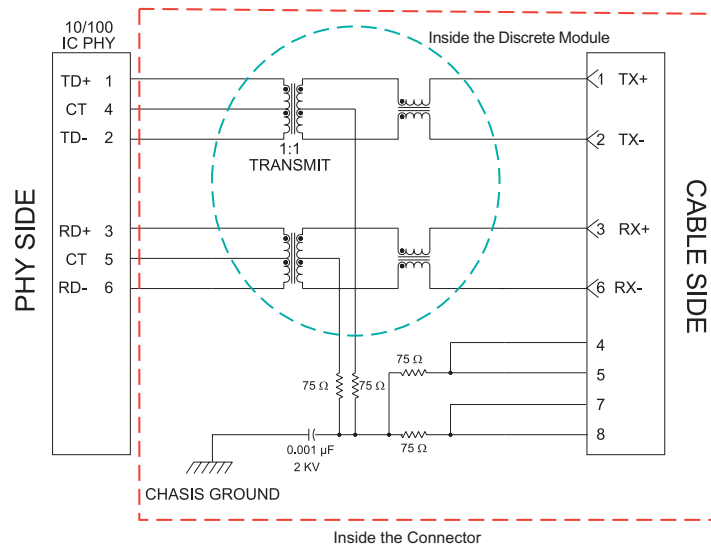
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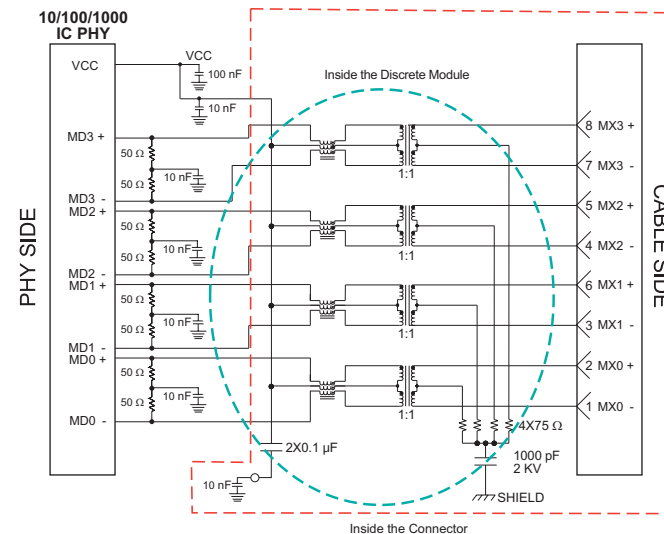
Application Notes

- 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 (75 Ω 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



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