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)*
- *X = extended temp, P = PoE, PP = PoE+*

MAGNETICS

10/100

Single:

H1263NL
H2019FNL P
HX1188FNL X
HX2326FNL X, PP

Dual:

H1270FNL
H2006ANL P
HX1294FNL X
H2600FNL

Quad:

H1164NL
H1259FNL P
H5200NL P
H5201NL
HX1234NL X
HX5200NL X
HX5201NL X
HX1259FNL P, X

Gigabit

Single:

H5062FNL
H5610NL
H6062FNL P
HX5610NL X
HX5004NL X
HX5062FNL X

Dual:

H5014FNL
HX5014FNL X
H5200NL P
HX5200NL X
H5201NL
HX5201NL X

Quad:

H5200NL P
H5400NL P
HX5400NL P, X
HX5401NL P, X
H6400NL PP

10GBASE-T

Single (4 channel):

H7028FNL
H7029FNL P

Single (5 channel):

H7137FNL P

For Dual, please contact Pulse

For Quad, please contact Pulse

CONNECTORS WITH INTEGRATED MAGNETICS

10/100

1X1:

JKM-0009NL
JKM-0010NL
JK0-0125NL P
JK0-0144NL P
JX00-0112NL X

1X2:

J80-0019NL
JX80-0019NL X

1X4:

J80-0004NL
JX80-0033NL X
J1N-0013NL

Gigabit

1X1:

JKM-0003NL
JKM-0004NL
JK0-0161NL P
JK0-0177NL P
JXK0-0190NL

1X2:

JG0-0129NL
JXG0-0129NL X

1X4:

JG0-0098NL
JXG0-0098NL X
J1N-0002NL

10GBASE-T

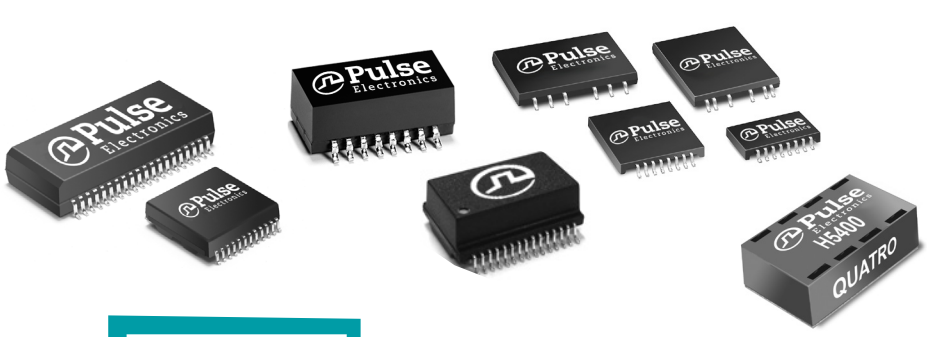
1X1 (4 channel):

JT4-1120HL
JTH-0024NL

1X1 (5 channel):

JT4-1108HL
JT4-1109HL

For 1XN, please contact Pulse

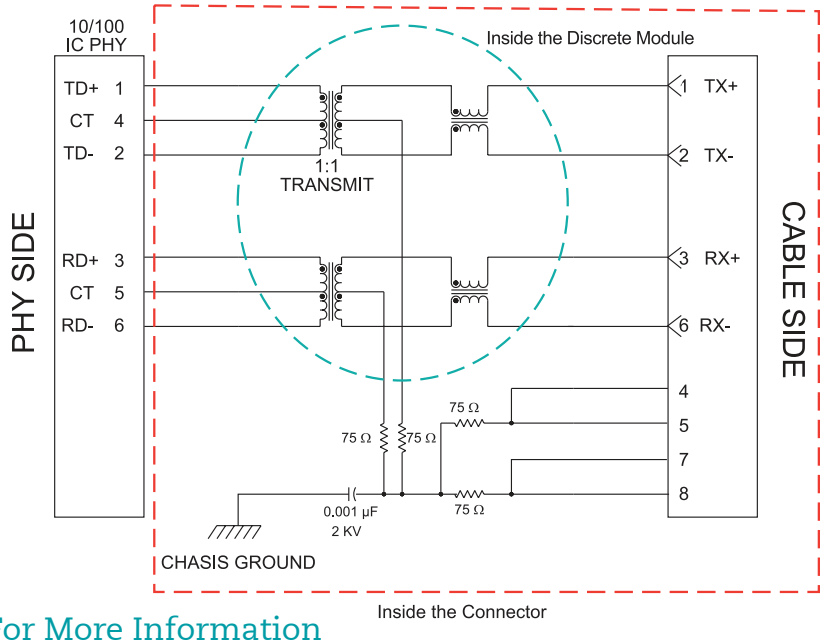




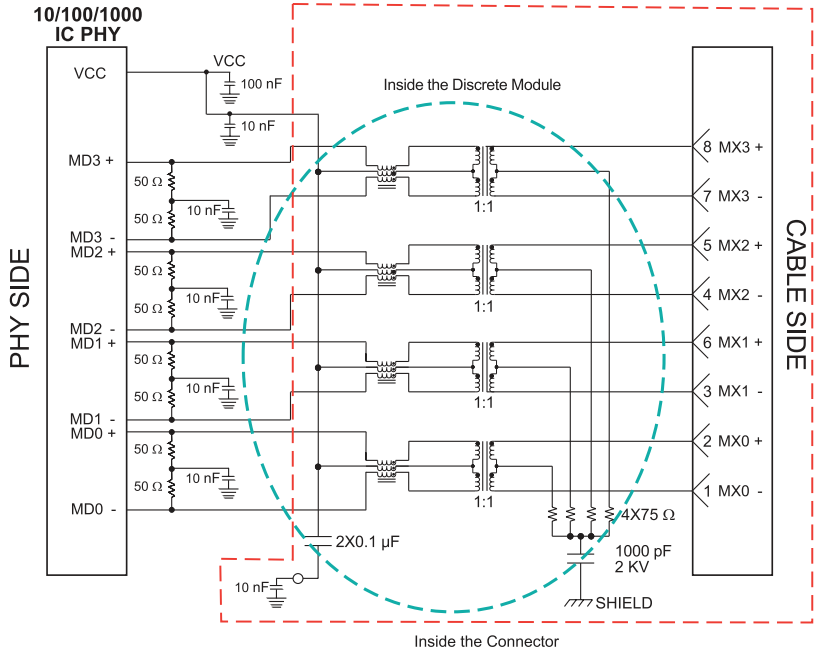
Application Notes

- *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



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