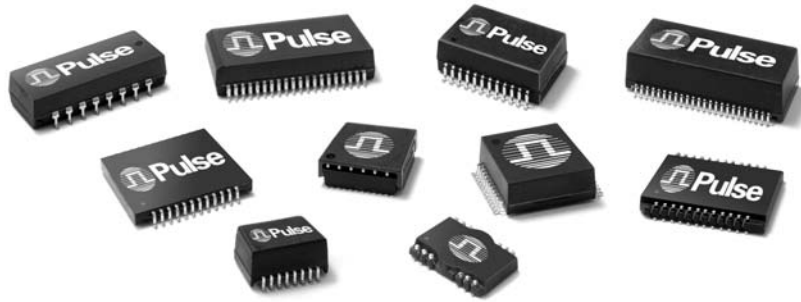


LAN DISCRETE TRANSFORMER MODULES



Pulse Discrete Transformer Modules

Pulse offers the most comprehensive line of discrete LAN transformer modules available to the OEM worldwide. Modules for 10/100/1000BASE-T are optimized for all major LAN transceivers. All modules provide electrical circuit isolation that meets IEEE 802.3, while maintaining signal integrity needed for the most demanding applications.

Pulse manufactures the broadest selection of packaging options, from through hole (THT) SIL devices to the smallest available surface mount (SMT) solution at .078" (1.98 mm). For RoHS compliant products, please refer to individual data sheets for details.

NOTE: This catalog section serves as an overview to the LAN discrete modules. For detailed data sheets and a complete list of LAN discrete modules, please go to the Pulse website home page and click the link on the left that says "DATA SHEETS."

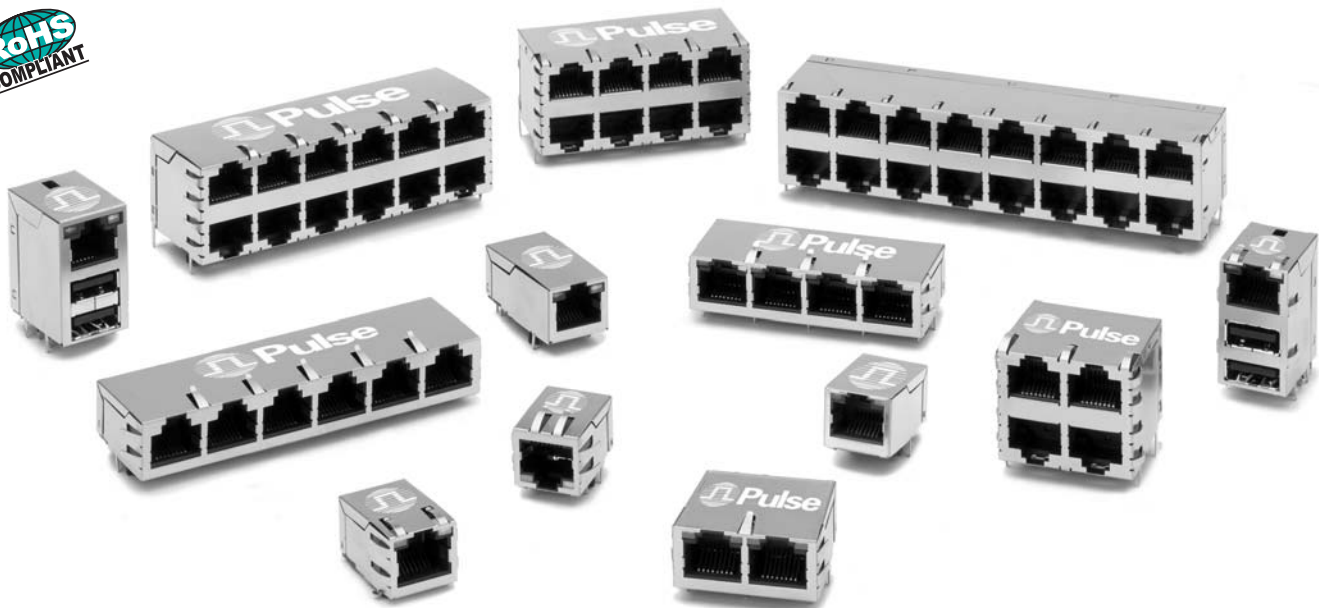
For the reader's convenience and to locate multiple platforms easily, view the IC Cross References that start on page 29.

DISCRETE SMT TRANSFORMER MODULES

Number of Ports	Single			Dual		Quad	
Data Rate	10Base-T	10/100TX	Gigabit	10/100TX	Gigabit	10Base-T	10/100TX
Data Sheet Number	E103 (low profile)	H303 (1:1 TR)	HC500 (1:1 TR)	H322 (1:1 TR)	HC500 (1:1 TR)	EC101 (var. TR)	H313 (1.41:1 TR)
	E112 (ext. temp.)	H304 (low profile)	H504 (low profile)	H327 (PoE)	H601 (PoE)		H316 (1:1 TR)
	E115 (1:1 TR)	H314 (var. TR)	H544 (1:1 TR)	H600 (1:1 TR)	H551 (quad/dual)		H321 (2:1 TR)
	EC100 (SMT, THT)	H315 (2:1 TR)	H546 (small footprint)				H327 (PoE)
		H325 (var. TR)	H601 (PoE)				H328 (1:1 TR)
		H326 (var. TR)	H551 (quad/dual)				H600 (1:1 TR)
		H327 (PoE)					
		H328 (1:1 TR)					
		H342 (1:1 TR)					
		H600 (1:1 TR)					

For common mode chokes, see data sheet number G002 at <http://www.pulseeng.com/products/datasheets/G002.pdf>.

LAN FILTERED CONNECTORS



PulseJack™ Filtered Connectors

Pulse offers a broad selection of PulseJack filtered connectors that integrate network magnetics with combinations of RJ45 and USB connectors. In addition to connectivity, these filtered connectors provide signal conditioning, signal isolation and EMI suppression. Designed to meet IEEE 802.3, the PulseJack connectors offer a complete family of single- and multi-port solutions in high-speed applications, including 10/100/1000BASE-T, PoE and other emerging applications. For RoHS compliant products, please refer to the individual data sheets for details.

NOTE: This catalog section serves as an overview to the LAN PulseJack filtered connectors. For detailed data sheets and a complete list of PulseJack filtered connectors, please go to this URL: <http://www.pulseeng.com/products/datasheets.aspx>.

For the readers convenience and to locate multiple platforms easily, view the IC Cross References starting on page 29.

RJ45 FILTERED CONNECTORS

Number of Ports	One Port				1 by 2, 4, 6, 8		2 by 2, 4, 6, 8		One RJ45/dual USB		
Locking Tab Up/Down	Down		Up			Down	Up	N/A		Up	
PCB Mounting Type	THT	SMT	THT	SMT	THT	THT		THT		THT	
Data Rate	10/100TX	10/100TX	10/100TX	Gigabit	10/100TX	10/100TX	Gigabit	10/100TX	Gigabit	10/100TX	Gigabit
Data Sheet Number	J403 J414	J409	J402 J415 (PoE)	J411	J409	J404 J416 (PoE)	J410	J401	J405 J422	J408	J408

LAN GIGABIT IC CROSS REFERENCE



DISCRETE COMPONENTS & INTEGRATED MODULES										RJ45 & RJ45/USB PLATFORMS ^B								
IC		Single ^A		Dual ^A		Quad ^A		1x1		1xN		2xN		RJ45/USB				
Manufacturer	Part Number	Ports	Notes	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet			
Agere	ET1011, ET1012	1	PHY	H5007	HC500	H5012	HC500	H5400	H551	JK0 Series ^{2.c}	J411	JG0 Series ^{3.c}	J410	JC0 Series ^{4.c}	J405*	JW0 Series ^D	J408	
	ET1081	8	PHY	H5062	H601	H5020 ¹	HC500	H5400	H551									
	ET1310	1	MAC/PHY	H5004	HC500	H6014	HC500											
	ET2005-40/50	5	Switch/PHY	H5077	H546	H6080	H601											
	ET2008-30/40/50	5	Switch/PHY	H6062	H601	H5200	H551											
	ET3028-50	28	Switch															
	ET3048-50	48	Switch															
	ET4028-50	28	Switch															
	ET4048-50	48	Switch															
	ET4100	24	Switch															
	ET4128-50	28+2	Switch 1G/10G															
	ET4148-50	48+2	Switch 1G/10G															
	ET4001/4101	48	Switch															
	ET5028-50	28	Switch															
	ET5048-50	48	Switch															
ET5128-50	28+2	Switch 1G/10G																
ET5148-50	48+2	Switch 1G/10G																
GEPT11-68		PHY																
Broadcom	BCM5400, BCM5401	1	PHY	H5007	HC500	H5012	HC500	H5401	H551	JK0 Series ^{2.c}	J411	JG0 Series ^{3.c}	J410	JC0 Series ^{4.c}	J405*	JW0 Series ^D	J408	
	BCM5411/21/21S	1	PHY	H5062	H601	H5020 ¹	HC500											
	BCM5460/61	1	PHY	H5004	HC500	H6014	HC500											
	BCM5701/02/03/04/05	1	MAC/PHY	H6062	H601	H6080	H601											
	BCM5707/21/51	1	MAC/PHY			H5201	H551											
	BCM5402	2	PHY															
	BCM5404/14/24	4	PHY															
	BCM5434/35/64/64S	4	PHY															
	BCM5478/5487/5488	8	PHY															
	BCM5345/46/47/48	24, 16, 5	Switch															
BCM5384/85/88	8, 5, 4	Switch																
BCM54980	8	PHY																
Intel	82540/ 541/544/543	1	MAC/PHY	H5007	HC500	H5012	HC500	H5400	H551	JK0 Series ^{2.c}	J411	JG0 Series ^{3.c}	J410	JC0 Series ^{4.c}	J405*	JW0 Series ^D	J408	
	82544/545/546/547	1	MAC/PHY	H5062	H601	H5020 ¹	HC500											
	82570	1	MAC/PHY	H5077	H546	H6080	H601											
LSI Logic	L80600	1	PHY	H5007	HC500	H5012	HC500	H5401	H551	JK0 Series ^{2.c}	J411	JG0 Series ^{3.c}	J410	JC0 Series ^{4.c}	J405*	JW0 Series ^D	J408	
	L80601	1	PHY	H5062	H601	H5201	H551											

*NOTE: Part number JCO-0019 is found on data sheet J422.

1. Compact foot print dual magnetic cross reference
2. Single port THT tab-up connector cross reference
3. Multiport 1byN THT tab-up connector cross reference
4. Multiport THT 2byN connector cross reference
5. RJ45/USB single port THT tab-up connector cross reference

A. RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.
 B. One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.

C. For detailed information about this series, e-mail: prodinfo_lan@pulseeng.com or call Pulse and ask for LAN Applications

D. LED colors (Green/Yellow, Green-Orange/Yellow)

NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous Substances) directive. These parts are identified by adding the suffix "NL" at the end of the part number.

DISCRETE COMPONENTS & INTEGRATED MODULES										RJ45 & RJ45/USB PLATFORMS B								
Manufacturer	IC		Ports	Notes	Single ^A		Dual ^A		Quad ^A		1x1		1xN		2xN		RJ45/USB	
	Part Number	Part Number			Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet
Marvell Semiconductor	88E1010/1011S		1	PHY	H5007	HC500	H5012	HC500	H5400	H551	JK0 Series ^{2 c}	J411	JG0 Series ^{3 c}	J410	JC0 Series ^{4 c}	J405*	JW0 Series ^D	J408
	88E1111/1112		1	PHY	H5062	H601	H5020 ¹	HC500										
	88E1040/1040S/1041		4	PHY	H5077	H546	H6080	H601										
	88E1041S/1042/1042S		4	PHY	H6062	H601	H5200	H551										
	88E1141/1145/1149		8	PHY														
	88E8000/05/06		8	MAC/PHY														
	88E6045		2	PHY														
88E6122		6	PHY															
88E8022/86/50/62		8	MAC/PHY															
Micrel	KS9020		1	MAC/PHY	H5007	HC500	H5012	HC500	H5401	H551	JK0 Series ^{2 c}	J411	JG0 Series ^{3 c}	J410	JC0 Series ^{4 c}	J405*	JW0 Series ^D	J408
					H5062	H601	H5020 ¹	HC500										
Mysticom	MY1001		1	PHY	H5007	HC500	H5012	HC500	H5401	H551	JK0 Series ^{2 c}	J411	JG0 Series ^{3 c}	J410	JC0 Series ^{4 c}	J405*	JW0 Series ^D	J408
					H5062	H601	H5020 ¹	HC500										
National Semiconductor	DP83865		1	PHY	H5007	HC500	H5012	HC500	H5400	H551	JK0 Series ^{2 c}	J411	JG0 Series ^{3 c}	J410	JC0 Series ^{4 c}	J405*	JW0 Series ^D	J408
	DP83864		4	PHY	H5062	H601	H5020 ¹	HC500										
Realtek	RTL8211/12		1	PHY	H5007	HC500	H5012	HC500	H5401	H551	JK0 Series ^{2 c}	J411	JG0 Series ^{3 c}	J410	JC0 Series ^{4 c}	J405*	JW0 Series ^D	J408
	RTL8169		1	MAC/PHY	H5062	H601	H5020 ¹	H503										
	RTL8100E/01E/10/11B		1				H5201	H551										
Vitesse Semiconductor	VSC8201/8211		1	PHY	H5007	HC500	H5012	HC500	H5401	H551	JK0 Series ^{2 c}	J411	JG0 Series ^{3 c}	J410	JC0 Series ^{4 c}	J405*	JW0 Series ^D	J408
	VSC8221/8601/8641		1	P8HY	H5062	H601	H5020 ¹	HC500										
	VSC8204/24/34/44		4	PHY	H5084	H544	H6080	H601										
	VSC8558/8538		8	PHY	H6062	H601	H5012	HC500										
	VSC7380/7384		8, 12	GbE switch	H5008	HC500	H5200	H551										
	VSC7388/7398		8	PHY	H5014	HC500												
	VSC7385/7395/7396		5	PHY														
VSC7389/7391		16	PHY															
VSC7390		24	PHY															
VSC7301/7303		16, 24	GbE switch															

*NOTE: Part number JCO-0019 is on data sheet J422.

1. Compact foot print dual magnetic cross reference
2. Single port THT tab-up connector cross reference
3. Multipoint 1byN THT tab-up connector cross reference
4. Multipoint THT 2byN connector cross reference
5. RJ45/USB single port THT tab-up connector cross reference

A. RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.

B. One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.

C. For detailed information about this series, e-mail: prodinfo_lan@pulseeng.com or call Pulse and ask for LAN Applications at 858-674-8100

D. LED colors (Green/Yellow, Green-Orange/Yellow)

NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous Substances) directive. These parts are identified by adding the suffix "NL" at the end of the part number.

LAN 10/100BASE-TX IC CROSS REFERENCE



DISCRETE COMPONENTS										RJ45 & RJ45/USB PLATFORMS ^B					
IC Manufacturer	IC		Turns Ratio ^A	Single Part Number	Dual Part Number	Quad Part Number	1x1		1xN		2xN		RJ45/USB Part Number	Data Sheet	
	Part Number	Ports					Data Sheet	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet			Part Number
Agere	ET901	1	1:1	H1102	H1270	H325	H1270	H322	J0006D21 ³	J403	J20 Series	J401	JW0-0009 ^p	J408	
	ET908	8	1:1	H1260	HX1294	H600	HX1294	H322	J1006F21 ³	J402	J404	J404	JY0-0016 ^p	J408	
				H1112	H2005A ²	H326	H2005A ²	H327	JV006I21 ⁴	J409					
				H1012		H325			J3006G21D ⁵	J409					
				HX1148		H303			J0C-0003 ⁴	J409					
				HX1188 ¹		H325			J0018D21 ³	J403					
				H2019 ²		H327			J3018G21D ⁵	J409					
				H0026		H304									
				PE-69012 ^E		H304									
				H1081		H314									
AMD	AM79C874/C875	1	1:1	H1102	H1270	H325	H1270	H322	J0006D21 ³	J403	J20 Series	J401	JW0-0009 ^p	J408	
	AM79C971/972/C973/AM79C975/C976/C977	1	1:1	H1260	HX1294	H600	HX1294	H322	J1006F21 ³	J402	J404	J404	JY0-0016 ^p	J408	
		1	1:1	H1112	H2005A ²	H326	H2005A ²	H327	JV006I21 ⁴	J409					
			1:1	H1012		H325			J3006G21D ⁵	J409					
			1:1	HX1148		H303			J0C-0003 ⁴	J409					
			1:1	HX1188 ¹		H325			J0018D21 ³	J403					
			1:1	H2019 ²		H327			J3018G21D ⁵	J409					
			1:1	H0026		H304									
			1:1	PE-69012 ^E		H304									
			1:1.414	H1081		H314									
Broadcom	AC101, AC101L	1	1:1	H1102	H1270	H325	H1270	H322	J0006D21 ³	J403	J20 Series	J401	JW0-0009 ^p	J408	
	AC131		1:1	H1012	HX1294	H303	HX1294	H322							
	BCM5241	1	1:1	HX1148	H2005A ²	H303	H2005A ²	H327	J1006F21 ³	J402	J404	J404	JY0-0016 ^p	J408	
	BCM5220/ 5221	1	1:1	H1012	HX1294	H303	HX1294	H322	JV006I21 ⁴	J409					
	BCM5222	2	1:1	HX1148	H2005A ²	H303	H2005A ²	H327	J0C-0003 ⁴	J409					
	BCM1100/1101/1112/1190	2	1:1	PE-69012 ^E	H2009 ²	H327	H2009 ²	H327	J0011D21B ³	J403					
	BCM1115	1	1:1	H2019 ²		H325			JV011I21 ⁴	J409					
	BCM6345/6348	1	1:1	HX1188 ¹		H325			J00-0014 ³	J414	J2045H3A ^c	J401			
	BCM5350/5380	8	1:1	H1260	H2009 ²	H600	H2009 ²	H327	J1012F21K ³	J402	J2045H3B ^c	J401			
	AC104, BCM5208R	4	1:1	H1260	H2009 ²	H600	H2009 ²	H327			J2045H3C ^c	J401			
	AC205/206	5	1:1	H1112		H326					J404	J404			
	BCM5315/5325(M)/5365	5	1:1	HX1188 ¹		H325					J8064E66 ⁶	J404			
	BCM5226	6	1:1	H1102		H325					J8064E687	J404			
	BCM5248	8	1:1								J8064D648A ⁶	J404			
	AC207/208	8	1:1	H2019 ²		H327					J8064D668A ⁶	J404			
	BCM5228/5238/5248	8	1:1								J8064D688A ⁶	J404			
BCM5318/5338	8	1:1													
BCM5384	4	1:1													
BCM5721	1	1:1													
BCM5347/5348	48	1:1													

1. **Extended** temperature single port discrete magnetic cross reference
2. **PoE / VoIP** single port discrete magnetic cross reference
3. **Single** port THT tab-up/down connector cross reference
4. **Single** port SMT tab-down connector cross reference
5. **Single** port SMT tab-up connector cross reference
6. **Multiport** 1byN THT tab-down connector cross reference
7. **RJ45/USB** single port THT tab-up connector cross reference

- A. **RX** turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.
- B. **One** part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.
- C. **Multiport** 2byN THT connector cross reference (A=2x4, B=2x6, C=2x8)
- D. **LED** colors (Green/Yellow, Green-Orange/Yellow)
- E. **Low** profile (PCMCIA)

NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous Substances) directive. These parts are identified by adding the suffix "NL" at the end of the part number.



LAN 10/100BASE-TX IC CROSS REFERENCE (continued)

RJ45 & RJ45/USB PLATFORMS B

DISCRETE COMPONENTS

IC Manufacturer	IC		Turns Ratio ^A	Single Part Number	Data Sheet	Dual Part Number	Quad Part Number	1x1		1xN		2xN		RJ45/USB Part Number	Data Sheet	
	Part Number	Ports						Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet			Part Number
Cirrus Logic	CS8952	1	1:1	H1102	H325	H1270	H322	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	CS8952T	1	1:1	H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408	
			1:1	HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409							
			1:1	HX2019 ²	H327	H327	H327	J3006G21D ⁵	J409							
			1:1	PE-69012 ^E	H304	H304	H304	J0C-0003 ⁴	J409							
Davicom	DM9161	1	1:1	H1012	H325	H1270	H322	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	DM9102A	1	1:1	H1265	H600	H2005A ²	H327	J3006G21D ⁵	J409	J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408	
	DM9601	1	1:1	H1102	H325	H2009 ²	H327	J0C-0003 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	DM9301/9331	1	1:1	HX1188 ¹	H325	H2009 ²	H327			J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408	
			1:1	HX2019 ²	H327	H327	H327			J8064D628A ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
IC+	3097-F, 3299A	1	1:1	H1102	H325	H1270	H322	J0006D21 ³	J403	J8064E62 ⁶	J404	J2045H3A ^C	J401	JW0-0009 ^D	J408	
	IP100A	1	1:1	H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064D628A ⁶	J404	J2045H3B ^C	J401	JY0-0016 ^D	J408	
	IP108	8	1:1	HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409	J8064D628A ⁶	J404	J2045H3C ^C	J401			
	IP1726	26	1:1	HX2019 ²	H327	H327	H327	J3006G21D ⁵	J409	J8064D628A ⁶	J404	J2045H3C ^C	J401			
	IP101	1	1:1	PE-69012 ^E	H304	H304	H304	J0C-0003 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
ICS	ICS1890/1891	1	1:1	H1102	H325	H1270	H322	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	ICS1893	1	1:1	H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408	
			1:1	HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409							
Infineon (AMD/Tek)	PSB21553	2	1:1	H1102	H325	H2006A ²	H327	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	ADM18511/8513/9511	1	1:1	H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408	
	ADM19513, AN983B	1	1:1	HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409							
	AN985B/L autoMDX	1	1:1	H2019 ²	H327	HX1294	H322	J3006G21D ⁵	J409							
			1:1	PE-69012 ^E	H304	H304	H304	J0C-0003 ⁴	J409							
Intel	ADM16305, ADM16308/6326/6509	5	1:1	H1260	H600	H2006A ²	H327	J0006D21 ³	J403	J8064E64 ⁶	J404	J2045H3A ^C	J401	JW0-0009 ^D	J408	
	ADM16609/6909	8, 9	1:1	H1102	H325	H2005A ²	H327	J1006F21 ³	J402	J8064E68 ⁶	J404	J2045H3B ^C	J401	JY0-0016 ^D	J408	
	ADM16996L	5	1:1	HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409	J8064D648A ⁶	J404	J2045H3C ^C	J401			
			1:1	H2019 ²	H326	HX1294	H322	J3006G21D ⁵	J409	J8064D648A ⁶	J404	J2045H3C ^C	J401			
			1:1	PE-69012 ^E	H304	H304	H304	J0C-0003 ⁴	J409	J8064D688A ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	

NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous Substances) directive. These parts are identified by adding the suffix "NL" at the end of the part number.

1. Extended temperature single port discrete magnetic cross reference
2. PoE / VoIP single port discrete magnetic cross reference
3. Single port THT tab-up/down connector cross reference
4. Single port SMT tab-up/down connector cross reference
5. Single port SMT tab-up connector cross reference
6. Multipoint 1byN THT tab-down connector cross reference
7. RJ45/USB single port THT tab-up connector cross reference

A. TRX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.
B. One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.
C. Multipoint 1byN THT connector cross reference (A=2x4, B=2x6, C=2x8)
D. LED colors (Green/Yellow, Green/Orange/Yellow)
E. Low profile (PCMCIA)

SMT - Surface Mount Package THT - Through Hole Package

LAN 10/100BASE-TX IC CROSS REFERENCE (continued)



IC Manu- facturer	IC		Turns Ratio ^A	Single		Dual		Quad		1x1		1xN		2xN		RJ45/USB ⁷		
	Part Number	Ports		Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part Number
LSI	L80223	1	1:1	H1102	H325	H1270	H322			J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	L80225	1	1:1	H1260	H600	H2005A ²	H327			J1006F21 ³	J402	J8064D628A ⁶	J404			JY0-0016 ^D	J408	
	L80227	1	1:1	HX1188 ¹	H325	H2009 ²	H327			JV006I21 ⁴	J409							
				H2019 ²	H327					J3006G21D ⁵	J409							
Marvell				H1012	H303					JOC-0003 ⁴	J409							
	88E6021	3	1:1	PE-69012 ^E	H304					JK0654218Z	J411							
	88E6051	5	1:1	H1102	H325	H1270	H322	H1164 ²	H328	J0006D21 ³	J403	J8064E64 ⁶	J404	J2045H3A ^C	J401	JW0-0009 ^D	J408	
	88E6060/88E6218	5/6	1:1	H1260	H600	H2005A ²	H327	H1259	H600	J1006F21 ³	J402	J8064E68 ⁶	J404	J2045H3B ^C	J401	JY0-0016 ^D	J408	
	88E6062, 88E6063	5/6/7	1:1	HX1188 ¹	H325	H2009 ²	H327	HX1234 ¹	H328	JV006I21 ⁴	J409	J8064D648A ⁶	J404	J2045H3C ^C	J401			
	88E3081/3082/3083	8	1:1	H2019 ²	H327	H2006A ²	H327	H2017 ²	H327	J3006G21D ⁵	J409	J8064D688A ⁶	J404					
	88E6083	10	1:1	PE-69012 ^E	H304					JOC-0003 ⁴	J409							
	88E6095	8	1:1	H1183	H325					JK0654218Z	J411							
MICREL	KS8721B/21BL/37	1	1:1	H1102	H325	H1270	H322			J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	KS8993/8993M/8993F	3	1:1	H1260	H600	H2005A ²	H327			J1006F21 ³	J402	J8064D628A ⁶	J404			JY0-0016 ^D	J408	
	KS8737	1	1:1	HX1188 ¹	H325	H2009 ²	H327	HX1234 ¹	H328	JV006I21 ⁴	J409	J8064D648A ⁶	J404	J2045H3C ^C	J401			
				H2019 ²	H327	H2006A ²	H327	H2017 ²	H327	J3006G21D ⁵	J409	J8064D688A ⁶	J404					
				PE-69012 ^E	H304					JOC-0003 ⁴	J409							
MicroLinear	KS8695P	5	1:1	H1102	H325	H1270	H322	H1164 ²	H328	J0006D21 ³	J403	J8064E64 ⁶	J404	J2045H3A ^C	J401	JW0-0009 ^D	J408	
	KS8995/95M/95MA/95E	5	1:1	H1260	H600	H2005A ²	H327	H1259	H600	J1006F21 ³	J402	J8064E68 ⁶	J404	J2045H3B ^C	J401	JY0-0016 ^D	J408	
	KS8995X	5	1:1	HX1188 ¹	H325	H2009 ²	H327	HX1234 ¹	H328	JV006I21 ⁴	J409	J8064D648A ⁶	J404	J2045H3C ^C	J401			
	KS8997/KS8998	8	1:1	H2019 ²	H327	H2006A ²	H327	H2017 ²	H327	J3006G21D ⁵	J409	J8064D688A ⁶	J404					
	KS8999	9	1:1	PE-69012 ^E	H304					JOC-0003 ⁴	J409							
Myson	ML6652	1	1:1	H1102	H325	H1270	H322			J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
	MTD971	1	1:1	H1260	H600	H2005A ²	H327			J1006F21 ³	J402	J8064D628A ⁶	J404			JY0-0016 ^D	J408	
	MTD972	1	1:1	HX1188 ¹	H325	H2009 ²	H327			JV006I21 ⁴	J409							
Mysticom	MTD981	1	1:1	H2019 ²	H327	H2009 ²	H327	HX1234 ¹	H328	J3006G21D ⁵	J409	J8064D628A ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
				PE-69012 ^E	H304			H2017 ²	H327	JOC-0003 ⁴	J409					JY0-0016 ^D	J408	
	MystiPHY110	1	1:1	H1102	H325	H1270	H322	H1164 ²	H328	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408	
				H1260	H600	H2005A ²	H327	H1259	H600	J1006F21 ³	J402	J8064D628A ⁶	J404			JY0-0016 ^D	J408	
				HX1188 ¹	H325	H2009 ²	H327	HX1234 ¹	H328	JV006I21 ⁴	J409	J8064D628A ⁶	J404					
				H2019 ²	H327	H2009 ²	H327	H2017 ²	H327	J3006G21D ⁵	J409							
				PE-69012 ^E	H304					JOC-0003 ⁴	J409							

- Extended** temperature single port discrete magnetic cross reference
- PoE / VoIP** single port discrete magnetic cross reference
- Single** port THT tab-up/down connector cross reference
- Single** port SMT tab-down connector cross reference
- Single** port SMT tab-up connector cross reference
- Multiport** 1byN THT tab-down connector cross reference
- RJ45/USB** single port THT tab-up connector cross reference

- RX** turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.
- One** part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.
- Multiport** 2byN THT connector cross reference (A=2x4, B=2x6, C=2x8)
- LED** colors (Green/Yellow, Green/Orange/Yellow)
- Low** profile (PCMCIA)

NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous Substances) directive. These parts are identified by adding the suffix "NL" at the end of the part number.

SMT - Surface Mount Package THT - Through Hole Package



LAN 10/100BASE-TX IC CROSS REFERENCE (continued)

DISCRETE COMPONENTS										RJ45 & RJ45/USB PLATFORMS ^B					
IC Manufacturer	IC		Turns Ratio ^A	Single Part Number	Data Sheet	Dual Part Number	Quad Part Number	1x1 Part Number	Data Sheet	1xN Part Number	Data Sheet	2xN Part Number	Data Sheet	RJ45/USB Part Number	Data Sheet
	Part Number	Ports													
National Semiconductor	DP83847	1	PHY	H1102	H325	H1270	H1164.2	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408
	DP83848	1	PHY	H1012	H303	HX1294	H1036L	J1006F21 ³	J402	J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408
	DP83816 (macphyter II)	1	MAC/PHY	H1260	H600	HX1148	H2005A.2	H1259	H600	J1006D21 ³	J402	J20 Series	J401		
				H1188 ¹	H325	H2009 ²	HX1234.1	JV006I21 ⁴	J409	J1006D21 ³	J403	J20 Series	J401		
Realtek				H2019 ²	H327	H327	H2017.2	J3006G21D ⁵	J409	J8064E62 ⁶	J404	J20 Series	J401		
				PE-69012 ^E	H304	H304		J0C-0003 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401		
				H1112	H326	H326		J0026D21 ³	J403	J8064D628A ⁶	J404	J20 Series	J401		
				H1102	H325	H1270	H1164.2	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401		
				H1260	H600	H2005A.2	H1259	J1006F21 ³	J402	J8064D628A ⁶	J404	J20 Series	J401		
				H1251	H600	H2009 ²	HX1234.1	JV006I21 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401		
				H1281	H600	H2009 ²	H2017.2	J3006G21D ⁵	J409	J8064D628A ⁶	J404	J20 Series	J401		
				HX1188 ¹	H325	H2009 ²		J0C-0003 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401		
				H2019 ²	H327	H327		J0026D01B ³	J403	J8064D628A ⁶	J404	J20 Series	J401		
				PE-69012 ^E	H304	H304		J1012F01C ³	J402	J8064D628A ⁶	J404	J20 Series	J401		
			H0019	H304	H304		J3011G21D ⁵	J409	J8064D628A ⁶	J404	J20 Series	J401			
			H1112	H326	H326		J1011F01P ³	J402	J8064D628A ⁶	J404	J20 Series	J401			
							J0011D21 ³	J403	J8064D628A ⁶	J404	J20 Series	J401			
SIS	RTL8208	8	PHY	H1102	H325	H1260	H1164.2	J0006D21 ³	J403	J8064E64 ⁶	J404	J2045H3A ^C	J401	JW0-0009 ^C	J408
	RTL8316	16	Controller	H1260	H600	H2005A.2	H1259	J1006F21 ³	J402	J8064E68 ⁶	J404	J2045H3B ^C	J401	JY0-0016 ^D	J408
SMSC	SIS900	1	MAC/PHY	H1102	H325	H1270	H1164.2	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408
	LAN83C183/185	1	PHY	H1260	H600	H2005A.2	H1259	J1006F21 ³	J402	J8064D628A ⁶	J404	J20 Series	J401	JY0-0016 ^D	J408
	LAN91C100FD/110	1	Controller	HX1188 ¹	H325	H2009 ²	HX1234.1	JV006I21 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401		
	LAN91C36, LAN91C96	1	PHY	H2019 ²	H327	H327		J3006G21D ⁵	J409	J8064D628A ⁶	J404	J20 Series	J401		
LAN91C111	1	PHY	PE-69012 ^E	H304	H304		J0C-0003 ⁴	J409	J8064D628A ⁶	J404	J20 Series	J401			
LAN9115							J0011D21B	J403	J8064D628A ⁶	J404	J20 Series	J401			

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1. Extended temperature single port discrete magnetic cross reference
2. PoE / VoIP single port discrete magnetic cross reference
3. Single port THT tab-up/down connector cross reference
4. Single port SMT tab-up/down connector cross reference
5. Single port SMT tab-up connector cross reference
6. Multiport 1byN THT tab-down connector cross reference
7. RJ45/USB single port THT tab-up connector cross reference

A. RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.
B. One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.
C. Multiport 2byN THT connector cross reference (A=2x4, B=2x6, C=2x8)
D. LED colors (Green/Yellow, Green/Orange/Yellow)
E. Low profile (PCMCIA)

SMT - Surface Mount Package **THT** - Through Hole Package

LAN 10/100BASE-TX IC CROSS REFERENCE (continued)



DISCRETE COMPONENTS										RJ45 & RJ45/USB PLATFORMS ^B							
IC Manufacturer	IC		Turns Ratio ^A	Single Part Number	Data Sheet	Dual Part Number	Quad Part Number	1x1		1xN		2xN		RJ45/USB Part Number	Data Sheet		
	Part Number	Ports						Note	Part Number	Data Sheet	Part Number	Data Sheet	Part Number			Data Sheet	Part Number
Teridian (TDK)	78P2123	1	PHY	H1102	H325	H1270	H322	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408		
	78Q2123	1	PHY	H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064D628A ⁶	J404			JY0-0016 ^D	J408		
				HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409								
				H2019 ²	H327			J3006G21D ⁵	J409								
				PE-69012 ^E	H304			J0C-0003 ⁴	J409								
Texas Instruments	TPS2370/2375	1	MAC/PHY	H1102	H325	H1270	H322	J0006D21 ³	J403	J8064E62 ⁶	J404	J20 Series	J401	JW0-0009 ^D	J408		
				H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064D628A ⁶	J404			JY0-0016 ^D	J408		
				HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409								
				H2019 ²	H327			J3006G21D ⁵	J409								
				PE-69012 ^E	H304			J0C-0003 ⁴	J409								
Zarlink (Plessey/Mitel)	MT933	1	PHY	H1102	H325	H1270	H322	J0006D21 ³	J403	J8064E64 ⁶	J404	J2045H3A ^C	J401	JW0-0009 ^D	J408		
				H1260	H600	H2005A ²	H327	J1006F21 ³	J402	J8064E68 ⁶	J404	J2045H3B ^C	J401	JY0-0016 ^D	J408		
				HX1188 ¹	H325	H2009 ²	H327	JV006I21 ⁴	J409	J8064D648A ⁶	J404	J2045H3C ^C	J401				
				H2019 ²	H327			J3006G21D ⁵	J409	J8064D688A ⁶	J404						
				PE-69012 ^E	H304			J0C-0003 ⁴	J409								

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- RJ45/USB** single port THT tab-up connector cross reference

- RX** turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.
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- LED** colors (Green/Yellow, Green-Orange/Yellow)
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SMT - Surface Mount Package THT - Through Hole Package

LAN 10BASE-T IC CROSS REFERENCE (continued)



DISCRETE COMPONENTS

IC Manufacturer	IC Part No.	Pulse Part No.	Ports Supported	Configuration ¹		Turns Ratio ²		Package		Data Sheet	
				TX	RX	TX	RX	Style ³	L/W/H (in)*		
AMD	AM79C90, AM79C98,	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020	
	AM79C100, AM79C940,	E2003	Single Port	R, F, T, C	R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115	
	AM79C960, AM79C961,	J00-0025	Single	T, C	T, C	1CT:2.5	1CT:1	1x1 ICM	21.59 / 16.26 / 13.84 ⁴	J414	
	AM79C965, AM79C970,	PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104	
	AM79C971, AM79C981,	SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012	
	AM79C982, AM79C983,	PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115	
	AM79C961 (PC net-ISA II)	FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012	
		PE-68068	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.600 / .650 / .084	E100	
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115	
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103	
		AM79C984, AM79C985,	ST4190T	Quad Port	T, C	T, C	1CT:1CT	1:1	SMT	1.112 / .625 / .230	ST4190T
		AM79C988, AM79C989	PE-68049L	Quad Port	T, C	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	EC101
			PE-68050L	Quad Port	T	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	EC101
			E5017	Single Port	T, C	T	1CT:1CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
	AM186CC15DN	E2003	Single Port	R, F, T, C	R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115	
		J00-0025	Single	T, C	T, C	1CT:2.5	1CT:1	1x1 ICM	21.59 / 16.26 / 13.84 ⁴	J414	
Cirrus Logic	CS8900, CS8920	PE-68062L	Quad Port	T, C	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101	
		PE-68065L	Quad Port	T	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101	
		23Z356SM	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100	
		ST7010T	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.457 / .375 / .230	ST7010T	
		PE-65745	Single Port	T	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100	
		E2003	Single Port	R, F, T, C	R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115	
		J00-0025	Single	T, C	T, C	1CT:2.5	1CT:1	1x1 ICM	21.59 / 16.26 / 13.84 ⁴	J414	
	CS8900A-CQ3	E2023	Single Port	T, C	T, C	1CT:2.5CT	1CT:1CT	SMT	.500 / .375 / .230	EC100	
		E4005	Single Port	T, C	T, C	1CT:2.5CT	1CT:1CT	SMT	.500 / .375 / .230	EC100	
		J00-0025	Single	T, C	T, C	1CT:2.5	1CT:1	1x1 ICM	21.59 / 16.26 / 13.84 ⁴	J414	
CS8900A-RQ3	EX2024	Single Port	T, C	T, C	1CT:2.5CT	1CT:1CT	SMT	.500 / .370 / .200	EC100		
Davicom	DM9008	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020	
	DM9009	PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104	
	DM9081	SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012	
	DM9095	PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115	
		FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012	
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115	
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103	
Fujitsu	MB86967	PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115	
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103	
		PE-68030	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103	
	MB86951, MB86961, MB86964, MB86965B	23Z356SM	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100	
		PE-68048	Single Port	T, C	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100	
		PE-65745	Single Port	T	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100	
Intel (Level One)	LXT901A, LXT907A	23Z356SM	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100	
		PE-68048	Single Port	T, C	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100	
		PE-65745	Single Port	T	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100	
	LXT905, LXT908	23Z467SM	Single Port	T, C	T, C	1CT:2CT	1CT:1CT	SMT	.450 / .360 / .215	EC100	
		ST4202T	Single Port	T, C	T, C	1CT:2CT	1CT:1CT	SMT	.477 / .360 / .223	ST4202T	
	LXT902	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020	
		PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104	
		SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012	
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115	
		FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012	
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115	
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103	
	LXT914, LXT915, LXT916, LXT917, LXT918, LXT944	PE-68062L	Quad Port	T, C	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101	
		PE-68065L	Quad Port	T	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101	
		PE-68810	Quad Port	T	—	—	1:1 (4X)	SMT	.500 / .370 / .200	EC100	
PE-68820		Quad Port	T	—	1:1.414 (4X)	—	SMT	.500 / .370 / .200	EC100		

1. Configuration: T = Transformer, F = Low Pass Filter, C = Choke, R = Pre-distortion Resistors

(continued on next page)

2. Turns Ratio is referenced chip side to media side.

3. Package Styles: DIL (Dual-In-Line Package), SIL (Single-In-Line Package), SMT (Surface Mount Package), PCMCIA (Ultra Low Profile-SMT)

4. Millimeters

LAN 10BASE-T IC CROSS REFERENCE (continued)



DISCRETE COMPONENTS										
IC Manufacturer	IC Part No.	Pulse Part No.	Ports Supported	Configuration ¹		Turns Ratio ²		Package		Data Sheet
				TX	RX	TX	RX	Style ³	L/W/H (in)*	
LSI	L64381 80C24	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
		E2004	Single Port	R, F, T, C	R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115
		PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104
		SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103
Lucent	T7213, T7241A	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
		PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104
		SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103
		MicroLinear	ML2652, ML2653, ML4652, ML4658	23Z435	Single Port	T	T	2CT:1CT	1CT:1CT	DIL
23Z435SM	Single Port			T	T	2CT:1CT	1CT:1CT	SMT	.450 / .360 / .215	EC100
PE-68052	Single Port			T, C	T	2CT:1CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
Motorola	MC68160	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
		E2007	Single Port	R, F, T, C	R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115
		PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104
		SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103
National Semiconductor	DP83901A DP83902A, DP83902 DP83905, DP83934	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
		E2001	Single Port	R, F, T, C	R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115
		PE-68017S	Single Port	F, T, C	F, T, C	1CT:1	1CT:1	SIL	1.000 / .210 / .450	E104
		SF1012	Single Port	F, T, C	F, T, C	1:1	1:1	SMT	1.010 / .380 / .246	SF1012
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		FL1012	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1012
		PE-68056	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.930 / .510 / .230	E115
		PE-68032	Single Port	F, T, C	F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103
	DP83907, DP83924A	E5002	Quad Port	T, C	T, C	1CT:2CT	1:1	SMT	1.125 / .640 / .230	E116
		23Z467SM	Single Port	T, C	T, C	1CT:2CT	1CT:1CT	SMT	.450 / .360 / .215	EC100
ST4202T	Single Port	T, C	T, C	1CT:2CT	1CT:1CT	SMT	.447 / .360 / .223	ST4202T		
Realtek	RTL8301 RTL8019AS RTL8029AS RTL8301	PE-68049L	Quad Port	T, C	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	EC101
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		PE-68049L	Quad Port	T, C	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	EC101
SMSC	LAN91C46 LAN91C91 LAN91C96	PE-68026	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		EX2001	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E112
		PE-68056	Single Port	F, T, C	F, T	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E115
		EX2001	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E112
		E2009	Single Port	F, T, C	F, T	1CT:1.414	1CT:1	SMT	1.000 / .500 / .230	E115
		LAN91C111	Single Port	F, T, C	F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	E112
Texas Instruments	TNETE100A	23Z356SM	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100
		PE-65745	Single Port	T	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
		PE-68048	Single Port	T, C	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
	TNETE2004	PE-68062L	Quad Port	T, C	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101
		PE-68065L	Quad Port	T	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101
		23Z356SM	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100
		PE-65745	Single Port	T	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
		PE-68048	Single Port	T, C	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
	TNETE2008	PE-68049L	Quad Port	T, C	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	EC101
		E5008	Quad Port	T, C	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	E117

1. Configuration: T = Transformer, F = Low Pass Filter, C = Choke, R = Pre-distortion Resistors

2. Turns Ratio is referenced chip side to media side.

3. Package Styles: DIL (Dual-In-Line Package), SIL (Single-In-Line Package), SMT (Surface Mount Package), PCMCIA (Ultra Low Profile-SMT)

NOTE: ICs are in groups. Each group works with all adjacent Pulse parts.

*L/W/H is measured on surface mount parts tip to tip (height includes wash area).

LAN ATM IC CROSS REFERENCE



ATM NETWORK COMPONENTS

Speed	IC Manufacturer/ IC Part Number	Pulse Part No.	Ports Supported	Configuration ¹		Turns Ratio ²		Package		Data Sheet
				TX	RX	TX	RX	Style ³	L/W/H (in)*	
155 ATM	National / 83223	PE-68517L	Single Port	C, T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.000 / .510 / .370	H303
	MicroLinear / ML6674	PE-68515L	Single Port	T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.000 / .510 / .370	H303
	PMC Sierra / PM5350	H1019	Single Port	C, T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.000 / .510 / .230	H303
		H1012	Single Port	T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.000 / .510 / .230	H303
		H1027	Dual Port	C, T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.125 / .640 / .230	H322
		H1028	Dual Port	T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.125 / .640 / .230	H322
		H1049	Dual Port	T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.125 / .640 / .230	H322
		H1036L	Quad Port	T, C	C, T	1CT:1	1CT:1CT	SMT	1.125 / .640 / .230	H316
		H1044	Quad Port	T, C	C, T	1CT:1	1CT:1CT	SMT	1.125 / .640 / .230	H316

1. Configuration: **T** = Transformer, **C** = Choke, **S** = Shunt Inductor

2. Turns Ratio is referenced chip side to media side.

3. Package Style: **SMT**– Surface Mount Package

NOTE: ICs are in groups. Each group works with all adjacent Pulse parts.

*L/W/H is measured on surface mount parts tip to tip (height includes wash area).