### 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."

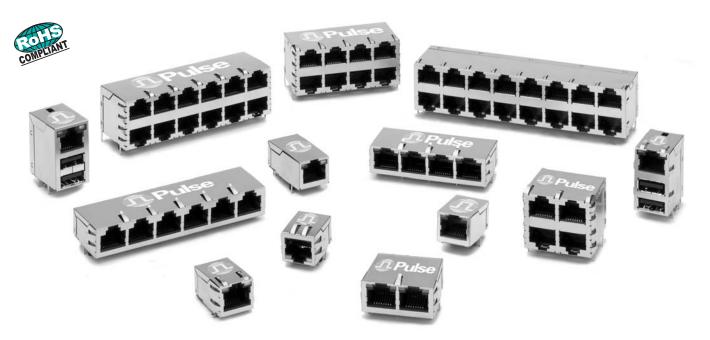
For the reader's convenience and to locate multiple platforms easily, view the IC Cross References that start on page 29.

		DISCRETE	SMT TRANSFORM	IER MODULI	S		
Number of Ports		Single		ı	Dual	Qu	ad
Data Rate	10Base-T	10/100TX	Gigabit	10/100TX	Gigabit	10Base-T	10/100TX
	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)
Data Sheet	EC100 (SMT, THT)	H315 (2:1 TR)	H546 (small footprint)				H327 (PoE)
Number		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: <a href="http://www.pulseeng.com/products/datasheets.aspx">http://www.pulseeng.com/products/datasheets.aspx</a>.

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

				RJ45 FILT	ERED CO	NNECTOR	S				
Number of Ports			One Port			1 by 2	2, 4, 6, 8	2 by 2,	4, 6, 8	One RJ45/	dual USB
Locking Tab Up/Down	Do	wn		Up		Down	Up	N/	Α	U	р
PCB Mounting Type	THT	SMT	Т	HT	SMT	TI	НТ	TH	Т	TH	Т
Data Rate	10/100TX	10/100TX	10/100TX	Gigabit	10/100TX	10/100TX	Gigabit	10/100TX	Gigabit	10/100TX	Gigabit
Data Sheet	J403	J409	J402	J411	J409	J404	J410	J401	J405	J408	J408
Number	J414		J415 (PoE)			J416 (PoE)			J422		

### LAN GIGABIT IC CROSS REFERENCE

2/07 <sup>2</sup>					DISCRET		E COMPONENTS & INTEGRATED MODULES	R INTEGR	ATED MO	DULES			RJ45 & RJ	45/USB	RJ45 & RJ45/USB PLATFORMS B			
		<u>ව</u>			Sing		Dual	۸۱۴	Quad	d <sup>A</sup>	1x1	_	1xN		2xN		RJ45/USB	
	Manufacturer	Part Number	Ports	Notes	Part Number	Data Sheet	Part Numbe	Data Sheet	Part Number	Datat Sheet	Part Number	Data Sheet	Part Number	Data Sheet	1	Data Sheet	Part Number	Data Sheet
	Agere	ET1011, ET1012 ET1081 ET1310 ET2008-30/40/50 ET308-30/40/50 ET308-50 ET3048-50 ET4108-50 ET4108-50 ET4148-50 ET4148-50 ET5028-50 ET5028-50 ET5028-50 ET5028-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50 ET5038-50	28 + 2 + 8 + 5 + 7 + 8 + 7 + 8 + 7 + 8 + 5 + 7 + 8 + 7	PHY MAC/PHY Switch/PHY Switch/PHY Switch 16/106 Switch Swi	H5007 H5062 H5004 H5077 H6062	HC500 H601 HC500 H546 H601	H5012 H5020 1 H5014 H6080 H5200	H H C 200 H C 200 H C 201 H C	H5400	H551	JKO Series 2. c	1411	JG0 Series 3.c J410		JC0 Series 4.c J405*		JW/0 Series <b>p</b>	8040
ulseena com	Broadcom	BCM5400, BCM5401 BCM5411/21/21S BCM5460/61 BCM5701/02/03/04/05 BCM5701/02/03/04/05 BCM5404/14/24 BCM5434/35/64/64S BCM5345/46/47/48 BCM5345/46/47/48 BCM5345/46/47/48 BCM5345/46/47/48 BCM5345/86	1 1 1 2 2 4 8 8,5,4 8,5,4	PHY PHY MAC/PHY MAC/PHY PHY PHY Switch Switch Switch	H5007 H5062 H5004 H6062	HC500 H601 HC500 H601	H5012 H5020 H5014 H6080 H5201	HC500 HC500 HC500 H601 H551	H5401	H551	JKO Series 2. c	c J411	JG0 Series 3.c	c 1410	JC0 Series 4.¢ J405*		JW0 Series <b>p</b>	J408
	Intel	82540/ 541/544/543 82544/545/546/547 82570		MAC/PHY MAC/PHY MAC/PHY	H5007 H5062 H5077	HC500 H601 H546	H5012 H50201 H6080 H5200	HC500 HC500 H601 H551	H5400	H551	JKO Series 2. c	c J411	JG0 Series 3, c	c J410	JC0 Series 4.¢ J405*		JW0 Series <sup>D</sup>	7408
	LSI Logic	L80600 L80601		PHY PHY	H5007 H5062	HC500 H601	H5012 H5201 H50201	HC500 H551 HC500	H5401	H551	JK0 Series 2, c	c J411	JG0 Series 3, c	c J410	JC0 Series 4.c J405*		JW0 Series D	7408
	*NOTE: Part nun	*NOTE: Part number JC0-0019 is found on data sheet J422.	n data she	et <b>J422</b> .	Ą.	RX turns ra	RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.	X turns ratio	is 1:1, unles	ss otherwis	e specified.	D.	LED colors	(Green/Ye	LED colors (Green/Yellow, Green-Orange/Yellow)	nge/Yello	W)	

Compact foot print dual magnetic cross reference - 2 8 4 6

Multiport 1byN THT tab-up connector cross reference Single port THT tab-up connector cross reference

Multiport THT 2byN connector cross reference

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

Applications

One part is identified in this cross reference. Multiple parts with 4 60

different platforms can be found on the referenced data sheet. For detailed information about this series, e-mail: prodinfo\_lan@pulseeng.com or call Pulse and ask for LAN C.

**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 GIGABIT IC CROSS REFERENCE (continued)

				DISCRETE		COMPONENTS & INTEGRATED MODULES	k INTEGR	ATED MOI	DULES			RJ45 & RJ4	45/USB	RJ45 & RJ45/USB PLATFORMS B	8		
	<u>ට</u>			Sing	Single <sup>A</sup>	Dual <sup>A</sup>	N <sub>A</sub>	Quad	A D	1x1		1xN		2xN		RJ45/USB	
Manufacturer	Part Number	Ports	Notes	Part Number	Data Sheet	Part Number	Data Sheet	Part Number	Datat Sheet	Part Number	Data Sheet	Part Number	Data Sheet	Part I Number S	Data Sheet	Part Number	Data Sheet
Marvell Semiconductor	88E1010/1011S 88E1111/1112 88E1040/1040S/1041 88E1041/1145/1149 88E1041/1145/1149 88E8000/05/06 88E6122 88E6122	4488798	PHY PHY PHY MAC/PHY PHY PHY PHY MAC/PHY	H5007 H5062 H5077 H6062	HC500 H601 H546 H601	H5012 H5020 <sup>1</sup> H5080 H5200	HC500 HC500 H601 H551	H5400	H551	JKO Series 2 c	1411	JG0 Series 3.c J410	: , 1410	JC0 Series 4.¢ J405*	7405*	JW0 Series <b>p</b>	7408
Micrel	KS9020	<del>-</del>	MAC/PHY	H5007 H5062	НС500 Н601	H5012 H5020 <sup>1</sup> H5201	HC500 HC500 H551	H5401	H551	JKO Series 2 c	J411	JG0 Series 3.c J410	. J410	JC0 Series 4.c J405*	J405*	JW0 Series D	1408
Mysticom	MY1001	<del>-</del>	PHY	H5007 H5062	НС500 Н601	H5012 H5020 <sup>1</sup> H5201	HC500 HC500 H551	H5401	H551	JKO Series <sup>2, c</sup>	J411	JG0 Series 3, c	. 1410	JC0 Series 4.c J405*	J405*	JW0 Series D	7408
National Semiconductor	DP83865 DP83864	<del>-</del> 4	사 사 사 사 사 사	H5007 H5062 H6062	НС500 Н601 Н601	H5012 H5020 1 H6080 H5200	HC500 HC500 H601 H551	H5400	H551	JKO Series 2 c	J411	JG0 Series 3, c	: J410	JC0 Series 4.c J405*	7405*	JWO Series <b>D</b>	7408
Realtek	RLT8211/12 RLT8169 RTL8100E/01E/10/11B		PHY MAC/PHY	H5007 H5062	НС500 Н601	H5012 H50201 H5201	HC500 H503 H551	H5401	H551	JKO Series 2, c	J411	JG0 Series 3, c	. J410	JC0 Series 4.c J405*	7405*	JW0 Series D	7408
Vitesse Semiconductor	VSC8201/8211 VSC8221/8601/8641 VSC8204/24/34/44 VSC73801/384 VSC73801/384 VSC73891/396 VSC73891/391 VSC73891/391 VSC7390 VSC7390	1 4 8 8, 12 8 5 16 24	PHY PGHY PHY PHY CBE switch PHY PHY PHY PHY PHY CBE switch	H5007 H5062 H5084 H6062 H5008 H5014	HC500 H601 H544 HC01 HC500 HC500	H5012 H5020 H6080 H5012 H5200	HC500 HC500 H601 HC500 H551	H5400	H551	JKO Series 2 c	1411	JG0 Series 3.c J410	5 7410	JC0 Series 4.¢ J405*	J405*	JW0 Series P	7408
*NOTE: Part num	*NOTE: Part number JC0-0019 is on data sheet J422.	sheet J42	2.	Α.	RX turns ra	RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.	(turns ratio	is 1:1, unles	s otherwis	e specified.	D.	LED colors (	Green/Yel	LED colors (Green/Yellow, Green-Orange/Yellow)	ange/Yella	(MC	

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

**B.** One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet. For detailed information about this series, e-mail: prodinfo\_lan@pulseeng.com or call Pulse and ask for LAN Applications at 858-674-8100 رن ا

**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

PUISO COMPANY

						PICCEE	DISCRETE COMPONENTS	ONENT	· ·				PINE 8. PINE/IICE DI ATEODMS B	Z/IICB	OI ATEODMS	<u>ee</u>		
				H									TOTAL OF THE	900/0				
Mani-	<u></u>	()		Iurns Ratio <sup>A</sup>	Single	e 6	Dual		Quad	ad Dotto	TXL	400	NXL 400	400	2xN	_ 5	RJ45/USB7	SB 7
facturer	Part Number	Ports	Note	Ĭ	-		Number	Sheet	Ž	Sheet	ž	Sheet	Number	Sheet	Number	Sheet	Number	Sheet
Agere	ET901 ET908	<b></b> ∞	À À H	<del></del>	H1102 H1260 H1112 H1112 HX1148 HX11881 H20192 H0026	H325 H326 H325 H325 H327 H327 H304	H1270 HX1294 H2005A <sup>2</sup>	H322 H322 H327			J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034 J0018D213	7403 7409 7409 7409 7409 7403	J8064E62 6 J8064D628 6	7404 7404	J20 Series	1401	JW0-0009 D	J408 J408
AMD	AM79C974/C975 AM79C975/C976/C977 AM79C975/C976/C977		YHY YHY		H1102 H1260 H1112 H1012 HX1148 HX1188 1 H2019 2 H0026 H1081	H325 H326 H326 H325 H327 H327 H304 H304	H1270 HX1294 H2005A 2	H322 H322 H327			J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034 J0018D213 J3018G21D5	7403 7400 7400 7400 7400 7400 800 800	J8064D628A 6 J8064D628A 6	J404	J20 Series	J401	JW0-0009 b	7408 7408
Broadcom	AC101, AC101L AC131 BCM5241		PHY PHY	<u> </u>	H1102 H1012 HX1148	H325 H303 H303	H1270 HX1294 H2005A 2	H322 H322 H327	H1164 <b>2</b> H1164 <b>2</b> H1259	H328 H328	J0006D213	J403	J8064E62 6	J404	J20 Series	1401	a 6000-0///	J408
	BCW5220/ 5221 BCM5222 BCM100/1101/1112/1190 BCM1115 BCM6345/6348		PHY PHY VOIP/POE MAC/PHY MAC/PHY		H1012 HX1148 H2019 2 PE-69012 E HX1188 1	H303 H303 H327 H325 H325	HX1294 H2005A <sup>2</sup> H2009 <sup>2</sup>	H327 H327 H327			J1006F213 JV006I214 J3006G21D5 J0C-00034 J0011D21B3	J402 J409 J409 J403	J8064D628A 6	5 J404			JY0-0016	J408
	AC104, BCM5208R AC205/206 BCM5315/5325(M)/5365 BCM5226	9 4 ro ro o o	PHY PHY MAC/PHY PHY		H1260 H1112 HX11881 H1102	H600 H326 H325 H325	H20092	H327	H1164 <b>²</b> H1259 HX1234 <b>²</b> H2017 <b>²</b>	H328 H600 H328 H327	J00-00143 J1012F21K3	J414 J402	J8064E64 6 J8064E66 6 J8064E68 7 J8064D648A 6	3404 3404 3404 6 3404	J2045H3A c J2045H3B c J2045H3C c	5 J401 5 J401 5 J401		
	BCM5228/528/5248 BCM5228/5238/5248 BCM5318/5338 BCM5384 BCM5721 BCM5721	08884-8	PHY PHY MAC/PHY Switch PHY		H2019 2 H0042 2	H327 H304							J8064D668A 6 J8064D688A 6	5 J404 5 J404				
1. Extended to 2. PoE / VolP s 3. Single port 7	Extended temperature single port discrete magnetic cross reference PoE / VolP single port discrete magnetic cross reference Single port THT tab-up/down connector cross reference	e magne cross refe	tic cross refer erence rence	ence	A. RX B. On	turns ra. • part is. utforms ca	tio is 1:1, TX identified in an be found	this cros	X turns ratio is 1:1, TX turns ratio is 1:1, unless other <b>ne</b> part is identified in this cross reference. Multiple, latforms can be found on the referenced data sheet.	ess otherw Multiple pa ta sheet.	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.	*-	NOTE: Most F RoHS (Restrict, identified by ac	ulse proa ion of Haz Iding the	ucts can be m ardous Subst. suffix "NL" at	nanufactur ances) din the end o	NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazadous Substances) directive. These parts are identified by adding the suffix "NL" at the end of the part number.	ith the irts are er.

**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 - 2 8 4 5 6 6 7

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)



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

						1000			•									
				,	i	DISCRE	DISCRETE COMPONENTS	ONEN			•		KJ45 & KJ45/USB PLAIFURINS	SU/G	LAI FORMS			
Men.	<u></u>			Ratio <sup>A</sup>	Single	e 2	Dual		Quad		IXI 1	450	NXI.	24.0	NXZ T	240	KJ45/USB /	2B /
facturer	Part Number	Ports	Note	ĭ	Number	Sheet	Number	Sheet	Number	Sheet	Number	Sheet	Number	Data Sheet	Number	Sheet	Number	Sheet
Cirrus Logic	CS8952 CS8952T		≻H H H A	<u> </u>	H1102 H1260 HX11881 HX20192 PE-69012	H325 H600 H325 H327 H304	H1270 H2005A 2 H2009 2	H322 H327 H327			J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034	0403 0402 0409 0409	J8064E62 6 J8064D628A 6	J404 J404	J20 Series	1401	JW0-0009 P	J408 J408
Davicom	DM9161 DM9102A DM9601 DM9301/9331		PHY MAC/PHY MAC/PHY PHY	<u> </u>	H1012 H1265 H1102 HX11881 HX0192 HX20192	H325 H325 H325 H327 H327 H327	H1270	Н322	H1036	H316	J0006D213 J3006G21D5 J0C-00034	J403 J409 J409	J8064E62 6 J8064D628A 6 JG0-0031 6	J404 J404 J416	J20 Series	1401	a 6000-0MC	7408
<u> </u>	3097-F, 3299A IP100A IP108 IP1726 IP101	1 26		=====	H1102 H1260 HX1188 1 HX2019 2 PE-69012 E	H325 H600 H325 H327 H304	H1270 H2005A 2 H2009 2	H322 H327 H327	H1164 <b>2</b> H1259 HX1234 <b>1</b> H2017 <b>2</b>	H328 H600 H328 H327	J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034	J403 J402 J409 J409 J409	J8064E62 6 J8064D628A 6 J8064D628A 6 J8064D648A 6	J404 J404 J404 J404	J2045H3A	J401 J401 J401	JW0-0009 P JY0-0016 P	J408 J408
CS	ICS1893 ICS1893	<b></b>	PHY YH4	두두	H1102 H1260 HX1188 1 H1012 HX2019 2 PE-69012 E	H325 H600 H325 H303 H304 H304	H1270 H2005A 2 H2009 2	H322 H327 H327			J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034	1403 1402 1409 1409 1409	J8064D628 6 J8064D628A 6	J404 J404	J20 Series	1401	JV0-0016 P	J408 J408
Infineon (AMDTek)	PSB21553 ADM8511/8513/9511 ADM9513, AN983B AN985B/L autoMDX ADM6305, ADM6308/6326/6509 ADM669/6909 ADM669616	0° co 0 − − − − 0 0° co	POE/PHY PHY PHY PHY PHY PHY PHY PHY	<u> </u>	H1102 H1260 HX11881 H2019 <sup>2</sup> H1260	H325 H600 H325 H327 H600	H2006A 2 H1270 H2005A 2 H2009 2 HX1294	H327 H322 H327 H327 H322	H1164 2 H1259 HX1234 1 H2017 2	H H H H H H H H H H H H H H H H H H H	J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034	7403 7409 7409 7409	J8064E62 6 J8064D628A 6 J8064E64 6 J8064E68 6 J8064D648A 6 J8064D648A 6	7404 7404 7404 7404 7404	J20 Series J2045H3A c J2045H3B c J2045H3C c	7401 1401 1401	JW0-0009 <b>a</b>	7408 7408
Intel	82551/2551QM/551ER 82562/562EZ/550 82559/559ER LXT970A/971(ALC)/972A LXT973		MAC/PHY MAC/PHY PHY PHY PHY		H1102 H1260 HX1188 1 H1112 H2019 2 PE-69012 E	H325 H600 H325 H326 H327 H304	H1270 H2005A 2 H2009 2	H322 H327 H327	H1164 <sup>2</sup> H1259 HX1234 <sup>1</sup>	H328 H600 H328	J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034	7403 7403 7409 7409 7414	J8064D628A <sup>6</sup>		J20 Series	1401	JY0-0016 <b>a</b>	J408 J408
1. Extended to 2. PoE / VolP & 3. Single port 4. Single port 5. Single port 6. Multiport 1. Z. RJ45/USB \$2. Single port 7. Z.	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 Multiport 1byN THT tab-down connector cross reference	e magnet. cross refer. ss referen sterence cross referor	ic cross refer. rence ence ce rence eference	өлсө	A. TR. P. On D. LEI	X turns r. e part is atforms c iltiport 1 D colors v	TRX turns ratio is 1:1, T.7 One part is identified in platforms can be found Multiport 1byN THT cor LED colors (Green/Yellon Low profile (PCMCIA)	X turns rathis cros	TRX turns ratio is 1:1, TX turns ratio is 1:1, unless othe One part is identified in this cross reference. Multiple platforms can be found on the referenced data sheet. Multiport 1byN THT connector cross reference (A=2x LED colors (Green/Yellow, Green-Orange/Yellow) Low profile (PCMCIA)	less other Multiple pe ta sheet. se (A=2x4, vw)	<ul> <li>A. TRX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.</li> <li>B. One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.</li> <li>C. Multiport lbyN THT connector cross reference (A=2x4, B=2x6, C=2x8)</li> <li>D. LED colors (Green/Yellow, Green-Orange/Yellow)</li> <li>E. Low profile (PCMCIA)</li> </ul>	+	<b>NOTE: Most</b> F RoHS (Restrict. identified by ac	ulse prod ion of Ha: Iding the	ucts can be m rardous Substr suffix "NL" at i	anufacture ances) dire the end of	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.	th the rts are ar.

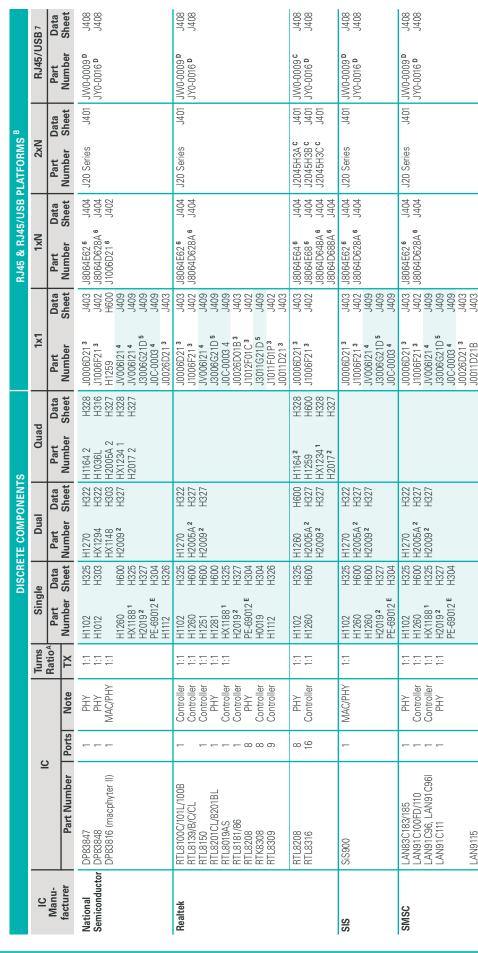


# LAN 10/100BASE-TX IC CROSS REFERENCE (continued)

						1000	TT 00 11						9 171 0	1000	ATTO DAY	8		
						JISCRE.	DISCRETE COMPONENTS	OINEINI	0				KJ45 & KJ	980/6	KJ45 & KJ45/USB PLAIFURINS			
<u>C</u>	<u>0</u>			Turns	Single	ø)	Dual		Quad	ad	1x1		1xN		2xN		RJ45/USB7	SB 7
Manu-	- 1			Ratio		Data	Part	Data	Part	Data	Part	Data	Part	Data	Part	Data	Part	Data
lacturer	Part Number	Ports	Note	×	Number		Number	Sueet	Number		Number	Sueet	Number	Sueet	Numper	Sueet	Number	Sueet
ısı	L80223 L80225 L80227		두 문 문 문 문	<u> </u>	H1102 H1260 HX1188 1 H2019 2 H1012 PE-69012 E	H325 H600 H325 H327 H303 H304	H1270 H2005A 2 H2009 2	H322 H327 H327			J0006D213 J1006F213 JV006[214 J3006G21D5 J0C-00034	7403 7402 7409 7409 7409	J8064E62 6 J8064D628A 6	1404 1404	J20 Series	J401	JY0-0016 <b>p</b>	J408 J408
Marvell	88E6021 88E6051 88E6060/88E6218 88E6052, 88E6063 88E3081/3082/3083 88E6083 88E6095	3 5/6 5/6/7 8 10 8	PHY PHY PHY PHY Switch Switch	7777777	H1102 H1260 HX1188 1 H2019 2 PE-69012 E H1183		H1270 H2005A2 H20092	H322 H327 H327 H327	H11642 H1259 HX12341 H20172	H328 H600 H328 H327	J0006D213 J1006F213 JV006[214 J3006G21D5 JC-00034 JK0654218Z	J403 J402 J409 J409 J411	J8064E64 6 J8064E68 6 J8064D648A 6 J8064D688A 6	7404 7404 5 7404 5 7404	J2045H3B C J2045H3B C J2045H3C C	7401 7401 7401	JW0-0009 <b>a</b> JY0-0016 <b>a</b>	)408 )408
MICREL	KS8721B/21BL/37 KS8993/8993M/8993F KS8737	<b>- ω -</b>	PHY MAC/PHY PHY	<u> </u>	H1102 H1260 HX1188 1 H2019 2 PE-69012 E	H325 H600 H325 H327 H304	H1270 H2005A 2 H2009 2 H2006A 2	H322 H327 H327 H327			J0006D213 J1006F213 JV006I214 J3006G21D5 J0C-00034	7403 7402 7409 7409 7409	J8064D628A 6	J404 5 J404	J20 Series	1401	JY0-0016 <b>p</b>	J408 J408
	KS8995P KS8995/95M/95MA/95E KS8995X KS8997/KS8998 KS8999	രയവവവ	PHY MAC/PHY MAC/PHY MAC/PHY MAC/PHY	=====			H2009 2 H1270	H327 H322 H	H11642 H1259 HX12341 H20172	H328 H600 H328 H327			J8064E64 6 J8064E68 6 J8064D648A 6 J8064D688A 6	J404 J404 6 J404 6 J404	J2045H3A C J2045H3B C J2045H3C C	) 401 ) 401 ) 401	JW0-0009 <b>P</b> JY0-0016 <b>P</b>	J408 J408
MicroLinear	ML6652	<del>-</del>	AutoMDX	1:1	H1102 H1260 HX11881 PE-69012E	H325 H600 H325 H304	H1270 H2005A 2 H2009 2 H2019 2	H322 H327 H327 H327			J0006D213 J1006F213 JV006 214 J3006G21D5 J0C-00034	7403 7402 7409 7409 7409	J8064D628A	J404 6 J404	J20 Series	J401	JW0-0009 <b>P</b> JY0-0016 <b>P</b>	J408 J408
Myson	MTD971 MTD972 MTD981		PHY PHY PHY	555	H1102 H1260 HX11881 H20192 PE-69012E	H325 H600 H325 H327 H304	H1270 H2005A 2 H2009 2	H322 H327 H327	H11642 H1259 HX12341 H20172	H328 H600 H328 H327	J0006D213 J1006F213 JV006 214 J3006G21D5 J0C-00034	7403 7402 7409 7409 7409	J8064E62 6 J8064D628A 6	J404 5 J404	J20 Series	J401	JW0-0009 <b>P</b> JY0-0016 <b>P</b>	J408 J408
Mysticom	MystiPHY110	<del>-</del>	ΣHΑ	<del>.</del> .	H1102 H1260 HX11881 H20192 PE-69012E	H325 H600 H325 H327 H304	H1270 H2005A 2 H2009 2	H322 H327 H 327	H11642 H1259 HX12341 H20172	H328 H600 H328 H327	J0006D213 J1006F213 JV006 214 J3006G21D5 J0C-00034	7403 7402 7409 7409 7409	J8064E62 6 J8064D628A 6	J404 5 J404	J20 Series	J401	JW0-0009 P JY0-0016 P	J408 J408
1. Extended ten 2. PoE / VolP sin 3. Single port TH 4. Single port SI 5. Single port SI 6. Multiport 1by 7. RJ45/USB sin	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-up/down connector cross reference Single port SMT tab-up connector cross reference Multiport 1byNTHT tab-down connector cross reference RA45/USB single port THT tab-up connector cross reference	magne: ross refer oss referi s reference eference ross reference	tic cross refer ence ence nce srence eference	елсе	A. RX B. One plan C. Mul	turns rai p part is : tforms a ttiport 2, toolors (	tio is 1:1, TX identified in an be found byN THT cor Green/Yellov (PCMCIA)	turns rat. this cross on the re nnector o	<ul> <li>A. RX tums ratio is 1:1, TX turns ratio is 1:1, unless other</li> <li>B. One part is identified in this cross reference. Multiple platforms can be found on the referenced data sheet.</li> <li>C. Muttiport 2byN THT connector cross reference (A=2x B. LED colors (Green/Yellow, Green-Orange/Yellow)</li> <li>E. Low profile (PCMCIA)</li> </ul>	less otherw Multiple ρε ata sheet. ιce (A=2x4, ow)	<ul> <li>A. RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.</li> <li>B. One part is identified in this cross reference. Multiple parts with different platforms can be found on the referenced data sheet.</li> <li>C. Multiport 2byN THT connector cross reference (A=2x4, B=2x6, C=2x8)</li> <li>D. LED colors (Green/Yellow, Green-Orange/Yellow)</li> <li>E. Low profile (PCMCIA)</li> </ul>		NOTE: Most I RoHS (Restric identified by a	Pulse proc tion of Ha dding the	ducts can be n zardous Subst suffix "NL" at	ianufactur ances) diri the end oi	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.	ith the irts are er.

**Pulse** 

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



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 2, 6, 4, 12, 6, 17

Single port SMT tab-down connector cross reference

Single port SMT tab-up connector cross reference

**Multiport** 1byN THT tab-down connector cross reference RA45/USB single port THT tab-up connector cross reference

G003.U (2/07)

One part is identified in this cross reference. Multiple parts with different RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified. A 9

RoHS (Restriction of Hazardous Substances) directive. These parts are NOTE: Most Pulse products can be manufactured to comply with the

identified by adding the suffix "NL" at the end of the part number.

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) СOС



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

						DISCRE	DISCRETE COMPONENTS	DNENT	S				RJ45 & RJ4	5/USB	RJ45 & RJ45/USB PLATFORMS B	8 8		
ಲ		<u></u>		Turns	Single	σ.	Dual		Quad	р	1x1		1×N		2×N		RJ45/USB 7	JSB 7
Manu-				Ratio	ı	Data	Part	Data	ı	Data	Part	Data		Data	Part	Data	Part	Data
facturer	Part Number	Ports	Note	TX	Number	Sheet	Number	Sheet	Number	Sheet	Number	Sheet	Numper	Sheet	Number	Sheet	Number	Sheet
<b>Teridian</b> (TDK)	78P2123 7802123		PHY PHY	<del></del>	H1102 H1260		H1270 H2005A 2	H322 H327			J0006D213 J1006F213	J403 J402	J8064E62 6 J8064D628A 6	J404 J404	J20 Series	J401	J401 JW0-0009 P JY0-0016 P	J408 J408
					HX1188	H325 H327 H304	H2009 <b>2</b>	H327			JV006 214 J3006G21D 5 J0C-0003 4	J409 J409 J409						
Texas Instruments	TPS2370/2375	-	MAC/PHY	1:1	H1102 H1260	H325   H600	H1270 H2005A 2	H322 H327			J0006D213 J1006F213	J403 J402	J8064E626 J8064D628A6	7404 7404	J20 Series	J401	JW0-0009 <b>P</b> JY0-0016	J408 J408
					HX1188 1 H2019 2 PE-69012 E		H2009 2	H327			JV006121 4 J3006G21D 5 J0C-0003 4	J409 J409 J409						
Zarlink (Plessev/Mitel)	MT933	_	PH∀	1:1	H1102 H1260	H325	H1270 H2005A 2	H322	H1164 2 H1259	H328 H600	J0006D213	J403	J8064E64 6 J8064E68 6	7404 1404	J2045H3A <b>c</b> J2045H3B <b>c</b>		JW0-0009 P	7408 1408
					HX11881 H20192		H20092		HX1234 1 H2017 2	H328 H327	JV0061214 J3006G21D 5	1409 1409	J8064D688A 6		J2045H3C c			
1. Extended ten 2. PoE / VolP sir	Extended temperature single port discrete magnetic cross reference     Poe / VolP single port discrete magnetic cross reference	e magnet cross refe	ic cross refe rence	rence	A. RX B. On	turns rati	io is 1:1, TX dentified in	turns rat.	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 diffe	ss otherwi Multiple pai	RX turns ratio is 1:1, TX turns ratio is 1:1, unless otherwise specified.  One part is identified in this cross reference. Muttple parts with different	0403	NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous Substances) directive. These parts are	Julse prod	ucts can be m rardous Subst.	anufacture ances) dire	NOTE: Most Pulse products can be manufactured to comply with the RoHS (Restriction of Hazardous, Substances) directive. These parts are	nith the arts are
3. Single port II: 4. Single port SI 5. Single port SI 6. Multiport Iby 7. RJ45/USB sin	<ol> <li>Single port I HI tab-updown connector cross reference</li> <li>Single port SMT tab-down connector cross reference</li> <li>Single port SMT tab-up connector cross reference</li> <li>Multiport IbyN TH tab-down connector cross reference</li> <li>R445/USB single port THT tab-up connector cross reference</li> </ol>	ross reter ss referer reference cross refe tor cross r	ence nce yrence eference		ola C. Mu D. LEI E. Lov	tforms c. Itiport 2. O colors ( v profile (	platforms can be found C. Multiport 2byN THT con D. LED colors (Green/Yellov E. Low profile (PCMCIA)	on the re nnector c. «, Green-	platforms can be found on the referenced data sheet <b>Vultiport</b> 2byN THT connector cross reference (A=2x <b>LED</b> colors (Green/Yellow, Green-Orange/Yellow) <b>Lew</b> profile (PCMCLA)	ta sheet. se (A=2x4, w)	latforms can be found on the referenced data sheet.  **Lutiport 2byN THT connector cross reference (A=2x4, B=2x6, C=2x8)  **ED colors (Green/Yellow, Green-Orange/Yellow)  **The colors of the color of		identified by a	dding the	suffix "NL" at	the end o	dentified by adding the suffix "NL" at the end of the part number	oer.

SMT - Surface Mount Package THT - Through Hole Package

### LAN 10BASE-T IC CROSS REFERENCE (continued)



			DIS	CRETE	СОМРО	NENTS				
IC	IC	Pulse	Ports	Config	uration 1	Turns F	Ratio <sup>2</sup>		Package	Data
Manufacturer	Part No.	Part No.	Supported	TX	RX	TX	RX	Style <sup>3</sup>	L/W/H (in)*	Sheet
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	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, AM79C971, AM79C981,	PE-68017S SF1012	Single Port Single Port	F, T, C F, T, C	F, T, C F, T, C	1CT:1 1:1	1CT:1 1:1	SIL SMT	1.000 / .210 / .450 1.010 / .380 / .246	E104 SF1012
	AM79C982, AM79C983,	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-68068	Single Port	F, T, C	F, T	1CT:1	1CT:1	SMT	.600 / .650 / .084	E100
		PE-68056 PE-68032	Single Port Single Port	F, T, C F, T, C	F, T F, T	1CT:1 1CT:1	1CT:1 1CT:1	SMT PCMCIA	.930 / .510 / .230 .800 / .675 / .094	E115 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	Τ	1CT:1CT	1:1	SMT	1.125 / .640 / .230	EC101
		PE-68050L E5017	Quad Port Single Port	T T, C	T T	1CT:1CT 1CT:1CT	1:1 1CT:1CT	SMT SMT	1.125 / .640 / .230 .500 / .370 / .200	EC101 EC100
	AM186CC15DN	E2003	Single Port		R, F, T, C	1CT:1	1CT:1	SMT	1.000 / .500 / .230	E115
	7 (1011000010510	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	Ţ	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101
		PE-68065L 23Z356SM	Quad Port Single Port	T T, C	T T, C	1CT:1.414CT 1CT:1.414CT	1:1 1CT:1CT	SMT SMT	1.125 / .640 / .230 .450 / .360 / .215	EC101 EC100
		ST7010T	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.457 / .375 / .230	ST7010T
		PE-65745	Single Port	Т	Τ		1CT:1CT	SMT	.500 / .370 / .200	EC100
		E2003 J00-0025	Single Port Single	R, F, T, C T, C	R, F, T, C T, C	1CT:1 1CT:2.5	1CT:1 1CT:1	SMT 1x1 ICM	1.000 / .500 / .230 21.59 / 16.26 / 13.84 <sup>4</sup>	E115 J414
	CS8900A-CQ3	E2023	Single Port	T, C	T, C	1CT:2.5CT	1CT:1CT	SMT	.500 / .375 / .230	EC100
		E4005 J00-0025	Single Port Single	T, C T, C	T, C T, C	1CT:2.5CT 1CT:2.5	1CT:1CT 1CT:1	SMT 1x1 ICM	.500 / .375 / .230 21.59 / 16.26 / 13.84 <sup>4</sup>	EC100 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	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
	DM9009 DM9081	PE-68017S SF1012	Single Port Single Port	F, T, C F, T, C	F, T, C F, T, C	1CT:1 1:1	1CT:1 1:1	SIL SMT	1.000 / .210 / .450 1.010 / .380 / .246	E104 SF1012
	DM9081 DM9095	PE-68026	Single Port	r, ı, c F, T, C	r, i, C F, T, C	1CT:1CT	1CT:1CT	SMT	.930 / .510 / .230	5F1012 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
Fujitsu	MB86967	PE-68032 PE-68026	Single Port Single Port	F, T, C F, T, C	F, T F, T, C	1CT:1 1CT:1CT	1CT:1 1CT:1CT	PCMCIA SMT	.800 / .675 / .094	E103 E115
rujitsu	IVID00907	PE-68032	Single Port	F, T, C	r, i, C F, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E113
		PE-68030	Single Port	F, T, C	ŕ, T	1CT:1	1CT:1	PCMCIA	.800 / .675 / .094	E103
	MB86951, MB86961,	23Z356SM	Single Port	T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100
	MB86964, MB86965B	PE-68048 PE-65745	Single Port Single Port	T, C T	T T	1CT:1.414CT 1CT:1.414CT	1CT:1CT 1CT:1CT	SMT SMT	.500 / .370 / .200 .500 / .370 / .200	EC100 EC100
Intel	LXT901A, LXT907A	23Z356SM		T, C	T, C	1CT:1.414CT	1CT:1CT	SMT	.450 / .360 / .215	EC100
(Level One)		PE-68048	Single Port	T,_C	Ţ	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
	LVTOOF LVTOO	PE-65745	Single Port	T	T	1CT:1.414CT	1CT:1CT	SMT	.500 / .370 / .200	EC100
	LXT905, LXT908	23Z467SM ST4202T	Single Port Single Port	T, C T, C	T, C T, C	1CT:2CT 1CT:2CT	1CT:1CT 1CT:1CT	SMT SMT	.450 / .360 / .215 .477 / .360 / .223	EC100 ST4202T
	LXT902	FL1020	Single Port		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 PE-68026	Single Port Single Port	F, T, C F, T, C	F, T, C F, T, C	1:1 1CT:1CT	1:1 1CT:1CT	SMT SMT	1.010 / .380 / .246 .930 / .510 / .230	SF1012 E115
		FL1012	Single Port	F, T, C	г, т, С F, Т	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,	PE-68062L	Quad Port	T, C	T	1CT:1.414CT	1:1	SMT	1.125 / .640 / .230	EC101
	LXT916, LXT917, LXT918, LXT944	PE-68065L PE-68810	Quad Port Quad Port	T T	T —	1CT:1.414CT —	1:1 1:1 (4X)	SMT SMT	1.125 / .640 / .230 .500 / .370 / .200	EC101 EC100
	=, =	PE-68820	Quad Port	Ť	_	1:1.414 (4X)	_	SMT	.500 / .370 / .200	EC100

**<sup>1.</sup> Configuration:** T = Transformer, F = Low Pass Filter, C = Choke, R = Pre-distortion Resistors

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

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

(continued on next page)

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

<sup>4.</sup> Millimeters

### LAN 10BASE-T IC CROSS REFERENCE (continued)



BOC24				DIS	CRETE	СОМРО	NENTS				
Lest	IC		Pulse		Config	uration 1	Turns I	Ratio <sup>2</sup>		Package	Data
	Manufacturer	Part No.	Part No.	Supported	TX	RX	TX	RX	Style <sup>3</sup>	L/W/H (in)*	Sheet
PE-68075   Single Pott   F.T. C   F.T	LSI	L64381	FL1020	Single Port	R, F, T, C	R, F, T, C	1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
SF1012   Single Port   FT.C   FT.C		80C24	E2004	Single Port						1.000 / .500 / .230	E115
PE-88026   Single Port FT.C   FT.C   CTITCT   CTITCT   SMT   9301,5101,230   E115											
H_L1012											
PE-88005   Single Port F.T.C   F.T.   1CT1   1CT1   SMT   S00 / 510 / 230   E115				0							
										· · ·	
SF1012   Single Port   FT, C   FT, C	Lucent	T7213, T7241A	FL1020				1CT:1CT	1CT:1CT	DIL	1.000 / .400 / .338	FL1020
PE-68026   Single Port   FT.C   FT.C						F, T, C					
H_1012   Single Port   F_1C   F_1											
PE-68066   Single Port   F,T C   F,T   CPT   1CPT   1CPT   SMT   3930 / 510 / 220   E115											
MicroLinear   MicroLinear   MicR652, Mi26853, 223435   Single Port   T   T   T   T   T   T   T   T   T											
Miles   Mile				Single Port	F, T, C	F, T				.800 / .675 / .094	
MC68160	MicroLinear										
Motorola   MC68160		ML4652, ML4658	23Z435SM								
PERBOYTS   Single Port   FT, C   FT, C   TCT1   TCT1   SMT   1,000 / 500 / 230   E115	Matarala	MC60160									
PE-880175   Single Port   FT C   FT	IVIOLOTOIA	101000100									
PE-68026   Single Port   FT, C   FT, C   CTTCT   CTTCT   SMT   930 / 510 / 220   E115   F1   F1   F1   F1   FT   C   FT   CTTCT   CTTCT   CTTCT   CTTCT   SMT   930 / 510 / 230   E115   F1   CTTCT   CTTCT											
Realtek   RTL8301   REJORAN   RTL8301   REJO											
PE-68056   Single Port   FT C   FT   1CT1   1CT1   PCMCIA   800 / 675 / .094   E103											
National DP83901A   PE-68032   Single Port   F,T C   F,T C   T,CT   T,CT   T,CT C   T,CT   T,CT C   T,CT   T,CT C   T,CT   T,CT C   T,CT											
DP83901A   DP83902   DP83902   DP83902   DP83902   DP83903   DP83903   PE-680175   Single Port   R, F, T, C   R, T, C   R											
DP83905, DP83934	National	DP83901A								1.000 / .400 / .338	
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   T.CT:1CT   T.CT:1CT   SMT   .930 / .510 / .230   E115   E115   E1102   PE-68056   Single Port   F,T,C   F,T   T.CT:1CT   T.CT:1CT   DIL   1.000 / .400 / .338   FL1012   PE-68056   Single Port   F,T,C   F,T   T.CT:1   T.CT:1   SMT   .930 / .510 / .230   E115   E115   PE-68032   Single Port   F,T,C   F,T   T.CT:1   T.CT:1   SMT   .930 / .510 / .230   E116   SMT   S	Semiconductor										
PE-68026   Single Port   F,T,C   F,T,C   TCT:1CT   TCT:1CT   SMT   930 / 510 / 230   E115		DP83905, DP83934									
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						FT C					
PE-68032   Single Port   F,T, C   F,T   1CT:1   1CT:1   PCMCIA   .800 / .675 / .094   E103											
DP83907, DP83924A											
Realtek   RTL8301		DD00007 DD000044									
ST4202T   Single Port   T, C   T, C   1CT:2CT   1CT:1CT   SMT   .447 / .360 / .223   ST4202T		DP83907, DP83924A									
RTL8301											ST4202T
RTL8019AS   PE-68026   Single Port   F,T, C   F,T, C   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   RTL8029AS   PE-68049L   Quad Port   T, C   T   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   RTL8301   PE-68049L   Quad Port   T, C   T   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   SMSC   LAN91C46   PE-68026   Single Port   F,T, C   T   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   LAN91C91   EX2001   Single Port   F,T, C   F,T, C   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E112   LAN91C96   PE-68056   Single Port   F,T, C   F,T, C   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   E2009   Single Port   F,T, C   F,T, C   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   E2009   Single Port   F,T, C   F,T, C   1CT:1CT   1CT:1CT   SMT   .930 / .510 / .230   E115   E2009   Single Port   F,T, C   F,T, C   1CT:1.414   1CT:1   SMT   .930 / .510 / .230   E115   E2009   Single Port   F,T, C   F,T, C   1CT:1.414   1CT:1   SMT   .930 / .510 / .230   E115   E2009   Single Port   F,T, C   F,T, C   1CT:1.414   1CT:1   SMT   .930 / .510 / .230   E115   E2009   Single Port   T, C   T, C   1CT:1.414   TCT:1CT   SMT   .930 / .510 / .230   E115   E2009   Single Port   T, C   T, C   T, C   T, CT:1CT   TCT:1CT   SMT   .930 / .500 / .370 / .200   E2000   E2000	Realtek	RTL8301									
RTL8301		•			F, T, C		1CT:1CT			.930 / .510 / .230	
LAN91C46										· · ·	
LAN91C91	CMCO										
LAN91C96	SIVISC										
EX2001   Single Port   F, T, C   F, T, C   T   1CT:1CT   1CT:1CT   SMT   .930/.510/.230   E112											
LAN91C111					F, T, C	F, T, C					
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 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 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		INETE100A									
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 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 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	mstruments									· · · · · · · · · · · · · · · · · · ·	
PE-68065L Quad Port T T 1 CT: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 1 CT: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		TNETE2004									
23Z356SM Single Port T, C T, C 1CT:1.414CT 1CT:1CT SMT .450 / .360 / .215 EC100 PE-65745 Single Port T 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				Quad Port			1CT:1.414CT	1:1			
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			23Z356SM	Single Port							
TNETE2008 PE-68049L Quad Port T, C T 1CT:1CT 1:1 SMT 1.125 / .640 / .230 EC101				0							
		TNIETE2008									
1 101.101 1.1 01VII 1.12.07.0407.230 L117		INCILZUUO	E5008	Quad Port	T, C	T	1CT:1CT	1:1	SMT	1.125 / .640 / .230	E117

**<sup>1.</sup> Configuration:** T = Transformer, F = Low Pass Filter, C = Choke, R = Pre-distortion Resistors

<sup>2.</sup> Turns Ratio is referenced chip side to media side.

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

### **LAN ATM IC CROSS REFERENCE**



			ATM N	ETWOR	к сомі	PONENT	S			
Speed	IC Manufacturer/	Pulse	Ports	Configu	uration 1	Turns	Ratio <sup>2</sup>		Package	Data
Opecu	IC Part Number	Part No.	Supported	TX	RX	TX	RX	Style <sup>3</sup>	L/W/H (in)*	Sheet
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	<b>Dual Port</b>	C, T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.125 / .640 / .230	H322
		H1028	<b>Dual Port</b>	T, C, S	C, T	1CT:1CT	1CT:1CT	SMT	1.125 / .640 / .230	H322
		H1049	<b>Dual Port</b>	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

**<sup>1.</sup> Configuration:** T = Transformer, C = Choke, S = Shunt Inductor

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).

Turns Ratio is referenced chip side to media side.
 Package Style: SMT- Surface Mount Package