

Description	Recommended For Use With Programming Adapters	Digi-Key Part No.	Price Each	Logical Systems Part No.
8 Pin SOIC .150" Wide Socket to 8 Pin .300" Wide DIP Plug	PIC12(L)C508A, 509A; PIC12(L)CE518, 519	309-1045-ND 309-1046-ND	60.00 60.00	PARS01-03-3 PARS01-03-6
8 Pin SOIC .150" Wide Socket to 8 Pin .600" Wide DIP Plug	PIC12(L)C508A, 509A; PIC12(L)CE518, 519; PIC12C671, 672	309-1047-ND 309-1048-ND	70.00 70.00	PARS01-2006-3 PARS01-2006-6
8 Pin SOIC .210" Wide Socket to 8 Pin .300" Wide DIP Plug	PIC16C505	309-1000-ND 309-1001-ND	60.00 60.00	PA14S01-03-3 PA14S01-03-6
8 Pin SOIC .210" Wide Socket to 8 Pin .600" Wide DIP Plug	PIC16C52-58, 61, 554, 558, 621-625, 71, 710-717, F83, 84; PIC16HV510; Z86C(E)(L)02, 03, 04, 06, 08, 16, 28; Z8E000, 001	309-1010-ND 309-1011-ND	70.00 70.00	PA18S01-08H-3 PA18S01-08H-6
14 Pin SOIC .150" Wide Socket to 14 Pin .300" Wide DIP Plug	PIC16C770, 771	309-1012-ND 309-1013-ND 309-1014-ND	70.00 70.00 80.00	PA20S01-08H-3 PA20S01-08H-6 PA20SS-OT-3
14 Pin SOIC .150" Wide Socket to 14 Pin .600" Wide DIP Plug	PIC16C56(A), 58A(B), 554, 558, 620(A), 621, E623-E625, 710-717; PIC16HV540	309-1016-ND	80.00	PA20SS-P54
20 Pin SSOP Socket to 18 Pin .600" Wide DIP Plug	PIC14000; PIC16C55, 57, 62, 63, 66, 72, 73, 76, 642, 773, F872, F873, F876; PIC18C242, 252; Z86C(E)(L)30, 31, 33, 34, 35, 36, 83, 84; Z86233, 733	309-1023-ND 309-1024-ND	70.00 70.00	PA28S01-08H-3 PA28S01-08H-6
28 Pin SSOP Socket to 28 Pin .600" Wide DIP Plug	PIC14000, PIC16C62A(B), 63A, 72(A), 73B, 773, F872	309-1025-ND	80.00	PA28SS-OT-6
28 Pin SSOP Socket to 28 Pin .600" Wide DIP Plug	PIC16C55(A), 57(C)	309-1026-ND	80.00	PA28SS-P55
28 Pin PLCC Auto-Eject Socket to 28 Pin .600" Wide DIP Plug	AT27C(BV, LV) 512, 256, 128, 288V64, 29C256, 28C17, 27C040	309-1089-ND 309-1090-ND	70.00 90.00	PA32-28 PA32-28Z
32 Pin PLCC Lidded ZIF Socket to 28 Pin .600" Wide DIP Plug	AT27C010, 020, AT49F(BV, LV) 001, 002, 020, AT29C010, 020, 040A, 512	309-1091-ND 309-1092-ND	70.00 90.00	PA32-32 PA32-32Z
32 Pin PLCC Auto-Eject Socket to 32 Pin .600" Wide DIP Plug	AT89C51, 8051	309-1093-ND 309-1094-ND	115.00 135.00	PA51-44 PA51-44Z
32 Pin PLCC Lidded ZIF Socket to 32 Pin .600" Wide DIP Plug	AT27C1024, 2048, 4096	309-1095-ND 309-1096-ND	115.00 135.00	PA280-44 PA280-44Z
44 Pin PLCC Auto-Eject Socket to 40 Pin .600" Wide DIP Plug	PIC16C64A, 65A(B), 67, 662, 74A(B), 774, 77, F874, F877	309-1002-ND 309-1003-ND	165.00 165.00	PA16C64-QD-16 PA16C64-QD-03
44 Pin PLCC Lidded ZIF Socket to 40 Pin .600" Wide DIP Plug	PIC17C42(A), 43, 44	309-1007-ND 309-1008-ND	135.00 165.00	PA17C42-PDZ PA17C42-QD-03
44 Pin PLCC Auto-Eject Socket to 40 Pin .600" Wide DIP Plug	PIC16C64A, 65A(B), 67, 662, 74A (B), 774, 77, F874, F877	309-1039-ND 309-1040-ND	115.00 135.00	PA44-40-P64-PD PA44-40-P64-PDZ
44 Pin PLCC Lidded ZIF Socket to 40 Pin .600" Wide DIP Plug				
<b>DIP to PLCC Prototyping Adapters</b>				
Emulator Adapter, 40 Pin DIP ZIF Socket to 44 Pin PLCC Plug	PIC16C64A, 65A(B), 67, 662, 74A(B), 774, 77, F874, F877	309-1031-ND 309-1032-ND	145.00 125.00	PA40-44-P64-DP PA40-44-P64-DP-PP
Emulator Adapter, 40 Pin DIP Socket to 44 Pin PLCC Plug				
<b>PLCC to PLCC Prototyping Adapter</b>				
44 Pin PLCC Auto-eject Socket to 44 Pin PLCC Plug. 1:1 Pinout	Z86C(E)21, 40, 43, 743, 44, 45, 46, 61	309-1041-ND 309-1042-ND	145.00 165.00	PA44-PP PA44-P2P
44 Pin PLCC Lidded ZIF Socket to 44 Pin PLCC Plug. 1:1 Pinout				
<b>QFP to QFP Prototyping Adapters</b>				
44 Pin TQFP Socket to 44 Pin Solder Down QFP Plug. 1:1 Pinout	N/A	309-1043-ND	360.00	PA44QF03-44QF
<b>DIP to SO-Plug Prototyping Adapter Kits</b>				
8 Pin .300" DIP Board. Two 8 Pin .250" SOIC Plugs	PIC12(L)C508A, 509A, CE518, CE519, 671, 672	309-1050-ND	20.90	PADSO-0803-D250-08/2
8 Pin .300" DIP Board. Two 8 Pin .310" SOIC Plugs	PIC12(L)C508A, 509A, CE518, CE519, 671, 672	309-1051-ND	20.90	PADSO-0803-D310-08/2
18 Pin .300" DIP Board with ZIF Socket. Two 18 Pin .420" SOIC Plugs	710-717, F83, F84(A), HV540; Z86C(E)(L)02, 03, 04, 06, 08, 16, 28; Z8E000, 001	309-1059-ND	50.90	PADSO1803Z-D420-18/2
28 Pin .300" DIP Board. Two 28 Pin .420" SOIC Plugs	PIC14000, PIC16C55(A), 57(C), 62A(B), 57(C), 62A(B), 63(A), 66,	309-1065-ND	36.90	PADSO-2803-D420-28/2
<b>SOIC to SOIC Prototyping Adapters</b>				
18 Pin SOIC .300" Socket to 18 Pin SOIC Connector	PIC16C52, 54(A)(C), 56(A), 58A(B), 61, 554, 558, 621, 620(A), CE623-CE625, 71, 710-717, F83, F84(A), HV540; Z86C(E)(L)02, 03, 04, 06, 08, 16, 28; Z8E000, 001	309-1075-ND*	70.00	PA-SOD-2808-18
28 Pin SOIC .300" Socket to 28 Pin SOIC Connector	PIC14000, PIC16C55(A), 57(C), 62A(B), 63(A), 66, 72(A), 73A(B), 76, 642, 773, F872-F876; PIC18C242, 252, Z86C(E)(L)30, 31, 33, 34, 35, 36, 83, 84; Z86233, 733	309-1073-ND*	70.00	PA-SOD-2808-28

\* Require SO-Plugs which must be ordered separately.

Description	Digi-Key Part No.	Price Each	Logical Systems Part No.
<b>Additional DIP Boards</b>			
28 Pin .300" DIP Board	309-1064-ND	24.00	PA-DSO-2803

Description	Digi-Key Part No.	Price Each	Logical Systems Part No.
<b>Additional SO-Plugs</b>			
18 Pin .420" Plugs (6 pieces)	309-1081-ND	29.70	PA-SOF-D420-18/6
28 Pin .420" Plugs (6 pieces)	309-1083-ND	38.70	PA-SOF-D420-28/6



Network Development Kits and Modules

NetBurner SB72 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB72 come preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB72 application code can be customized to any specific application requirements with a network development kit.

NetBurner MOD5272 and MOD5282 core modules (with Coldfire Processor from Freescale) are devices containing everything needed for design engineers to add network control and to monitor a company's communications assets. The modules solve the problem of network-enabling devices with 10/100 Ethernet, including those requiring digital, analog and serial control.

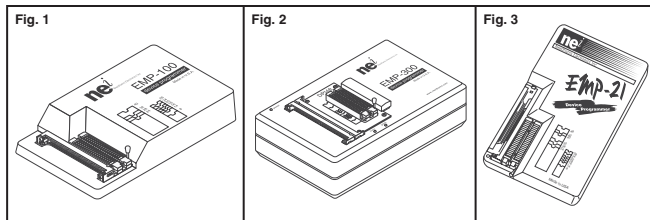
**Kit Includes:** • Development board • Adapter board • CD-ROM with software (source code, development tools, manuals) • Straight through and crossover network cables • 12V power supply

Description	Digi-Key Part No.	Price Each	Netburner Part No.
Development Kit - Serial	528-1000-ND	149.00	NNDK-SB72-KIT
Development Kit - Network for MOD5272	528-1001-ND	299.00	NNDK-MOD5272-KIT
Development Kit - Network for MOD5282	528-1002-ND	299.00	NNDK-MOD5282-KIT
Serial - Ethernet Board	528-1003-ND	156.13	SB72-300CR
Processor Module 512Kb Flash MOD5282	528-1006-ND	145.00	MOD5282-100CR
Processor Module Flash MOD5272	528-1007-ND	189.83	MOD5272-100CR

◆ RoHS Compliant



The Needhams line of programmers offers low-cost, high performance programming options for EPROMs, EEPROMs, Microcontrollers, PALs, Flash Memory and more. Each device comes with a free 1-year warranty and free software upgrades. File formats supported include: Binary, JEDEC, Intel Hex, Motorola S, Tek-Hex, and POF. Please see the matrix below for a programmer comparison.



Programmers

Fig.	Description	Digi-Key Part No.	Price Each	Needhams Part No.
1	Device Programmer USB	EMP-100-ND	334.95	EMP-100
—	Device Programmer USB	EMP 21 110/220V-ND	669.95	EMP 21 110V/220V
2	Device Programmer USB	EMP-300 110V-ND	898.97	EMP-300 110V

◆ RoHS Compliant

Device Adapters

Fig.	Description	Digi-Key Part No.	Price Each	Needhams Part No.
3	32-PLCC Adapter for EMP-100/EMP-21	E1121-PLCC32-ND	105.00	E1121-PLCC32
	44-PSOP Adapter for EMP-100	E11-PSOPA-29-ND	90.00	E11-PSOPA-29
	44-PSOP Adapter for EMP-100	E11-PSOPA-W-ND	90.00	E11-PSOPA-W
	48-PSOP Adapter for EMP-100	E11-TSOPA-48-ND	125.00	E11-TSOPA-48
	52-PSOP Adapter for EMP-100	E11-PSOPA-52-ND	90.00	E11-PSOPA-52
	Socket Module for EMP-300, 32-PLCC	PLCC32-ND	105.00	PLCC32
	Socket Module for EMP-300, 44-PLCC	PLCC44-ND	110.00	PLCC44
	Socket Module for EMP-300, 52-PLCC	PLCC52-ND	125.00	PLCC52
	Socket Module for EMP-300, 48-TSOP	TSOP48-ND	125.00	TSOP48

More Product Available Online: [www.digkey.com](http://www.digkey.com)

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