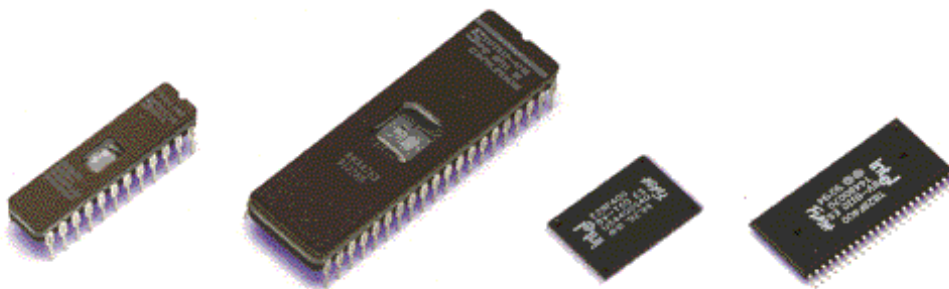


Needham's Electronics
 - SALES - SERVICE - SUPPORT -

EMP-10 Device Programming Software

Device List



Last Updated:
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Click on the Manufacture name for a list of supported Devices. The code inside the parenthesis indicates the Family module required for the device, and the A and B suffixes indicate two sides of the same module. All 3 modules are shipped free with your EMP-10. Any device that has the @ symbol in parenthesis before the family module (@M2B), requires the use of the [E10-S8](#) Adapter.

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Totals

Total number of manufacturers 37
Total number of devices 668

Manufactures					
Generic	AMD	Atmel	CSI	Dallas	Exel
Fujitsu	GI	Hitachi	Hyundai	ICT	Intel
ISSI	Lattice	Macronix	Microchip	Mitsubishi	National
NEC	Oki	Philips	Rockwell	Samsung	SEEQ

SGS Thomson	Signetics	SST	Temic	TI	Toshiba
WaferScale	Winbond	Xicor	Xilinx	ZMD	

GENERIC		
2716 (M1B)	2732 (M1B)	2732A (M1B)
2764 (M1A)	2764A (M1A)	27128 (M1A)
27128A (M1A)	27256 (M1A)	27512 (M1A)
27010 (M1A)	27020 (M1A)	27040 (M1A)

AMD		
2716 (M1B)	2716B (M1B)	2732 (M1B)
2732A (M1B)	2732B (M1B)	2764 (M1A)
2764A (M1A)	27C64 (M1A)	27128 (M1A)
27128A (M1A)	27C128 (M1A)	27256 (M1A)
27C256 (M1A)	27512 (M1A)	27C512 (M1A)
27C010 (M1A)	27LV010 (M1A)	27C020 (M1A)
27LV020 (M1A)	27C040 (M1A)	27C1024 (M2A)
27C2048 (M2A)	27C4096 (M2A)	2817A (M1A)
2864A (M1A)	2864B (M1A)	28C256 (M1A)
28F256 (M1A)	28F512 (M1A)	28F010 (M1A)
28F020 (M1A)	29F002 (M1A)	29F010 (M1A)
29F040 (M1A)	8751H (M2B)	87C51 (M2B)
8753H (M2B)		

ATMEL		
24C01A (@M2A)	24C02 (@M2A)	24C04 (@M2A)
24C21 (@M2A)	24C32 (@M2A)	24C64 (@M2A)
27HC64 (M1A)	27C128 (M1A)	27C256 (M1A)
27C256R (M1A)	27HC256R (M1A)	27LV256A (M1A)
27C512 (M1A)	27C512R (M1A)	27C516 (M2A)
27C010 (M1A)	27C020 (M1A)	27C040 (M1A)
27C080 (M1B)	27C1024 (M2A)	27C2048 (M2A)

27C4096 (M2A)	28C04 (M1B)	28C16 (M1B)
28HC16 (M1B)	28C17 (M1A)	28C64 (M1A)
28C64B (M1A)	28PC64 (M1A)	28C256 (M1A)
28HC256 (M1A)	28LV256 (M1A)	28C010 (M1A)
28C1024 (M2A)	29C256 (M1A)	29C257 (M1A)
29C512 (M1A)	29C010 (M1A)	29C010A (M1A)
29C020 (M1A)	29C040 (M1B)	29C040A (M1B)
29C1024 (M2A)	49F010 (M1A)	49F020 (M1A)
49F040 (M1A)	49F1025 (M2A)	87F52 (M2B)
87F55 (M2B)	89C51 (M2B)	89C51RC (M2B)
89LV51 (M2B)	89C52 (M2B)	89LV52 (M2B)
89C55 (M2B)	89C55WD (M2B)	93C46 (@M2B)

CSI		
CAT24WC01 (@M2A)	CAT24C02 (@M2A)	CAT24C04 (@M2A)
CAT24C08 (@M2A)	CAT24C16 (@M2A)	CAT24C44 (@M2B)
CAT2764A (M1A)	CAT27128A (M1A)	CAT27256 (M1A)
CAT27512 (M1A)	CAT27010 (M1A)	CAT27C210 (M2A)
CAT28C16A (M1B)	CAT28C17A (M1A)	CAT28C64A (M1A)
CAT28C64B (M1A)	CAT28C65A (M1A)	CAT28C65B (M1A)
CAT28C256 (M1A)	CAT28F010 (M1A)	CAT59C11 (@M2B)
CAT59C11A (@M2B)	CAT93C46 (@M2B)	CAT93C46A (@M2B)
CAT93C56 (@M2B)		

DALLAS		
DS1220 (M1B)	DS1225D (M1A)	DS1225Y (M1A)
DS1230Y (M1A)	DS1235Y (M1A)	DS1243Y (M1A)
DS1244Y (M1A)	DS1245Y (M1A)	DS1249Y (M1A)
DS1630Y/AB (M1A)	DS1642 (M1B)	DS1643 (M1A)
DS1644 (M1A)	DS1645Y/AB (M1A)	DS1646 (M1A)
DS1650Y/AB (M1B)	DS1658Y/AB (M2A)	DS87C520 (M2B)

EXEL		
2804A (M1B)	2816A (M1B)	28C16A (M1B)

28C16B (M1B)	2864A (M1A)	28C64 (M1A)
2865A (M1A)	28C65A (M1A)	28C256 (M1A)
93LC06 (@M2B)	93C46 (@M2B)	93LC46 (@M2B)
93C56 (@M2B)	93LC56 (@M2B)	93C66 (@M2B)
93LC66 (@M2B)		

FUJITSU		
2732 (M1B)	2764 (M1A)	27C64 (M1A)
27128 (M1A)	27C128 (M1A)	27256 (M1A)
27C256 (M1A)	27C256A (M1A)	27C256H (M1A)
27512 (M1A)	27C512 (M1A)	27C1000 (M1A)
27C1001 (M1A)	271024 (M2A)	27C4001 (M1A)
27C4096 (M2A)		

GI		
27C128 (M1A)	27C256 (M1A)	27C512 (M1A)

GREENWICH		
GR2764 (M1A)		

HITACHI		
2532 (M1B)	2716 (M1B)	2732 (M1B)
2732A (M1B)	2764 (M1A)	27C64 (M1A)
27128 (M1A)	27128A (M1A)	27256 (M1A)
27C256 (M1A)	27512 (M1A)	27C101G (M1A)
27C301G (M1A)	271024 (M2A)	27C1024 (M2A)
274096 (M2A)		

HYUNDAI		
2764 (M1A)	27C64 (M1A)	93C46 (@M2B)

ICT		

93C06 (@M2B)	93C46 (@M2B)	93C56 (@M2B)
93C66 (@M2B)	93CS06 (@M2B)	93CS46 (@M2B)
93CS56 (@M2B)	93CS66 (@M2B)	

INTEL		
2716 (M1B)	2732 (M1B)	2732A (M1B)
2764 (M1A)	2764A (M1A)	27C64 (M1A)
27128 (M1A)	27128A (M1A)	27128B (M1A)
27256 (M1A)	27C256 (M1A)	87C257 (M1A)
27512 (M1A)	27C512 (M1A)	27010 (M1A)
27C010 (M1A)	27C010A (M1A)	27C020 (M1A)
27C040 (M1A)	27C100 (M1A)	27210 (M2A)
27C210 (M2A)	27C220 (M2A)	27C240 (M2A)
2816A (M1B)	2817A (M1A)	P28F256A (M1A)
N28F256A (M1A)	P28F512 (M1A)	N28F512 (M1A)
P28F010 (M1A)	N28F010 (M1A)	P28F020 (M1A)
N28F020 (M1A)	E28F001BX-B (M1A)	E28F001BX-T (M1A)
P28F001BX-B (M1A)	P28F001BX-T (M1A)	N28F001BX-B (M1A)
N28F001BX-T (M1A)	87C257 (M1A)	87C151SA (M2B)
87C151SB (M2B)	87C251SA (M2B)	87C251SB (M2B)
87C251SP (M2B)	87C251SQ (M2B)	8751H (M2B)
8751BH (M2B)	8752BH (M2B)	87C51 (M2B)
87C51FA (M2B)	87C51FB (M2B)	87C51FC (M2B)
87C51RA (M2B)	87C51RB (M2B)	87C51RC (M2B)
87C52 (M2B)	87C64 (M1A)	JTAG_PROG (M1B)

ISSI		
27C256 (M1A)	27HC256 (M1A)	27C512 (M1A)
27HC512 (M1A)	27LV512 (M1A)	27C010 (M1A)
28F010 (M1A)		

LATTICE		
GAL22V10 (M3A)	GAL22V10B (M3A)	

MACRONIX		
27C256 (M1A)	27L256 (M1A)	27C512 (M1A)
27L512 (M1A)	27C1000 (M1A)	27L1000 (M1A)
27C1001 (M1A)	27C4000 (M1A)	27L4000 (M1A)
27C4096 (M2A)	27C8000 (M1B)	28F1000 (M1A)
28F2000 (M1A)	28F4000 (M1A)	29F002B (M1A)
29F002T (M1A)	29F002NB (M1A)	29F002NT (M1A)

MICROCHIP		
PIC16c54 (M2A)	PIC16c55 (M3B)	PIC16c56 (M2A)
PIC16c57 (M3B)	PIC16c554 (M2A)	PIC16c556 (M2A)
PIC16c558 (M2A)	24C01A (@M2A)	24C02A (@M2A)
24C04A (@M2A)	24LC32 (@M2A)	24LC65 (@M2A)
93C06 (@M2B)	93C46 (@M2B)	93C56 (@M2B)
93C66 (@M2B)	93CS06 (@M2B)	93CS46 (@M2B)
93CS56 (@M2B)	93CS66 (@M2B)	

MITSUBISHI		
27C256 (M1A)	27C512 (M1A)	27C100 (M1A)
27C101 (M1A)	27C102 (M2A)	27C201 (M1A)
27C202 (M2A)	27C402 (M2A)	28F101 (M1A)
28F102 (M2A)		

MOTOROLA		
2532 (M1B)	2716 (M1B)	68764 (M1B)
68766 (M1B)		

NATIONAL		
2716 (M1B)	27C16 (M1B)	27C16B (M1B)
2732 (M1B)	27C32 (M1B)	27C32B (M1B)
27C32H (M1B)	27C32Q (M1B)	2764 (M1A)
2764A (M1A)	27C64 (M1A)	27C64N (M1A)
27C64Q (M1A)	27C128 (M1A)	27C128B (M1A)

27C128BN (M1A)	27C128C (M1A)	27CP128 (M1A)
27256 (M1A)	27C256 (M1A)	27C256B (M1A)
27C256BN (M1A)	27C256C (M1A)	27C512 (M1A)
27C512A (M1A)	27C010 (M1A)	27C020 (M1A)
27C040 (M1A)	27C1024 (M2A)	27C210 (M2A)
27C2048 (M2A)	59C11 (@M2B)	9306 (@M2B)
93C06 (@M2B)	93C14 (@M2B)	93C46 (@M2B)
93C56 (@M2B)	93C66 (@M2B)	93CS06 (@M2B)
93CS46 (@M2B)	93CS56 (@M2B)	93CS66 (@M2B)

NEC		
2716 (M1B)	2732 (M1B)	2732A (M1B)
2764 (M1A)	27C64 (M1A)	27128 (M1A)
27256 (M1A)	27C256 (M1A)	27C256A (M1A)
27C512 (M1A)	27C1000A (M1A)	27C1001A (M1A)
27C1024 (M2A)	27C2001 (M1A)	27C4001 (M1A)
27C8001 (M1B)	28C64 (M1A)	

OKI		
2532 (M1B)	2716 (M1B)	2732 (M1B)
2732A (M1B)	2764 (M1A)	2764A (M1A)
27C64 (M1A)	27C64A (M1A)	27128 (M1A)
27C128 (M1A)	27256 (M1A)	27C256 (M1A)
27512 (M1A)		

PHILIPS		
27C64A (M1A)	27C256 (M1A)	27C512 (M1A)
27C010 (M1A)	27C040 (M1A)	27C210 (M2A)
87C51 (M2B)	87C51FB (M2B)	87L51FA (M2B)
87L51FB (M2B)	87C51RA+ (M2B)	87C51RB+ (M2B)
87C51RC+ (M2B)	87C51RD+ (M2B)	87C52 (M2B)
87C54 (M2B)	87C524 (M2B)	87C528 (M2B)
87C550 (M2B)	87C652 (M2B)	87C654 (M2B)
87C748 (M3A)	87C750 (M3A)	87C751 (M3A)

89C51RC+ (M2B)	89C51RD+ (M2B)	89C51U (M2B)
89C52U (M2B)	89C54U (M2B)	89C58U (M2B)

ROCKWELL

2764 (M1A)	27C64 (M1A)	2816A (M1B)
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SAMSUNG

93C06 (@M2B)	93C46 (@M2B)	93C56 (@M2B)
93C66 (@M2B)	93CS06 (@M2B)	93CS46 (@M2B)
93CS56 (@M2B)	93CS66 (@M2B)	

SEEQ

2764 (M1A)	27128 (M1A)	27256 (M1A)
27C256 (M1A)	2804A (M1B)	2816A (M1B)
2816AH (M1B)	2817A (M1A)	2817AH (M1A)
2864 (M1A)	2864H (M1A)	28C64 (M1A)
28C65 (M1A)	28C256 (M1A)	28C010 (M1A)
36C16 (M1B)	36C32 (M1B)	52B13 (M1B)
52B13H (M1B)	52B33 (M1A)	52B33H (M1A)

SIGNETICS

27C64A (M1A)	27C256 (M1A)	27C512 (M1A)
27C010 (M1A)	27C040 (M1A)	27C210 (M2A)
87C51 (M2B)	87C51FB (M2B)	87L51FA (M2B)
87L51FB (M2B)	87C51RA+ (M2B)	87C51RB+ (M2B)
87C51RC+ (M2B)	87C51RD+ (M2B)	87C52 (M2B)
87C54 (M2B)	87C524 (M2B)	87C528 (M2B)
87C550 (M2B)	87C652 (M2B)	87C654 (M2B)
87C748 (M3A)	87C750 (M3A)	87C751 (M3A)
89C51RC+ (M2B)	89C51RD+ (M2B)	89C51U (M2B)
89C52U (M2B)	89C54U (M2B)	89C58U (M2B)

SST

29EE512 (M1A)	29EE010 (M1A)	28EE011 (M1A)
29EE020 (M1A)	39SF512 (M1A)	39SF010 (M1A)
39SF020 (M1A)	89C54 (M2B)	89C58 (M2B)
89F54 (M2B)	89F58 (M2B)	

SGS THOMSON		
M2716 (M1B)	M2732 (M1B)	M2732A (M1B)
M2764 (M1A)	M2764A (M1A)	M27C64A (M1A)
M27HC641 (M1A)	M27128 (M1A)	M27128A (M1A)
M27256 (M1A)	M27C256 (M1A)	27C256B (M1A)
M27512 (M1A)	M27C512 (M1A)	M27C516 (M2A)
M27C1000 (M1A)	M27C1001 (M1A)	M27C1024 (M2A)
M27C2001 (M1A)	M27C4001 (M1A)	M27C4002 (M2A)
M27C801 (M1B)	M27C1011 (M1A)	28C64C (M1A)
M28F256A (M1A)	M28F512 (M1A)	M28F101 (M1A)
M28F201 (M1A)	M28F102 (M2A)	29F040 (M1A)
93C06 (@M2B)	93C46 (@M2B)	93C56 (@M2B)
93C66 (@M2B)	93CS06 (@M2B)	93CS46 (@M2B)
93CS56 (@M2B)	93CS66 (@M2B)	

TEMIC		
87C51 (M2B)	87C51RB2 (M2B)	87C51RC2 (M2B)
87C51RD2 (M2B)	87C51RU2 (M2B)	87C52 (M2B)
87C52X2 (M2B)	87C54X2 (M2B)	87C58X2 (M2B)
87251G1 (M2B)	87251G1A (M2B)	87251G2D (M2B)
89C51RD2 (M2B)		

TI		
2516JL (M1B)	2532 (M1B)	2532A (M1B)
2564 (M1A)	2732 (M1B)	2732A (M1B)
27C32 (M1B)	27C49 (M1A)	2764 (M1A)
2764A (M1A)	27C64 (M1A)	27128 (M1A)
27C128 (M1A)	27C256 (M1A)	27C512 (M1A)
27C010 (M1A)	27C010A (M1A)	27C020 (M1A)

27C040 (M1A)	27C210 (M2A)	27C210A (M2A)
27C240 (M2A)	28F512A (M1A)	28F010A (M1A)
28F020 (M1A)	28F210 (M2A)	

TOSHIBA		
2764D (M1A)	2764AD (M1A)	27128D (M1A)
27128AD (M1A)	27256D (M1A)	27256AD (M1A)
27256BD (M1A)	27512AD (M1A)	57256D (M1A)
57256AD (M1A)	57512AD (M1A)	571000D (M1A)
571001D (M1A)	571024D (M2A)	571025D (M2A)
574000D (M1A)	574096D (M2A)	

WAFERSCALE		
27C64 (M1A)	27C128 (M1A)	27C256 (M1A)
57C43C (M1B)	57C49B (M1B)	57C49C (M1B)
57C256F (M1A)		

WINBOND		
29C020 (M1A)	29C040 (M1B)	29EE512 (M1A)
29EE011 (M1A)	28EE011 (M1A)	

XICOR		
X2004 (M1A)	X20C04 (M1A)	X20C05 (M1A)
X20C16 (M1A)	X24C00 (@M2A)	X24C01 (@M2A)
X24C01A (@M2A)	X24C02 (@M2A)	X24C04 (@M2A)
X24C08 (@M2A)	X24C16 (@M2A)	X24C44 (@M2B)
X24C45 (@M2B)	X2804A (M1B)	X2804C (M1B)
X2816A (M1B)	X2816B (M1B)	X2816C (M1B)
X28C16 (M1B)	X28HC16 (M1B)	X2864A (M1A)
X2864B (M1A)	X2864H (M1A)	X28C64 (M1A)
X28HC64 (M1A)	X28256 (M1A)	X28C256 (M1A)
X28HC256 (M1A)	X28VC256 (M1A)	X28C512 (M1A)
X28C512 (M1A)	X28C010 (M1A)	XM28C010 (M1A)

XM28C020 (M1A)	XM28C040 (M1A)	X68C64 (M1B)
X86C64 (M1B)	X88C64 (M1B)	

XILINX		
XC1718D (@M2B)	XC1718L (@M2B)	XC1736A (@M2B)
XC1736D (@M2B)	XC1736E (@M2B)	XC1765 (@M2B)
XC1765D (@M2B)	XC1765E (@M2B)	XC1765L (@M2B)
XC17128D (@M2B)	XC17128E (@M2B)	XC17256D (@M2B)
XC17256E (@M2B)		

ZMD		
U63716 (M1B)	U63764 (M1A)	U637256 (M1A)