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| |  | | --- | |  | | **Needham's Electronics - (916) 924-8037** **4630 Beloit Dr. Suite #20, Sacramento, CA 95838** **- SALES - SERVICE - SUPPORT - 6AM to 5PM Pacific Standard Time** | | | |
| |  | | --- | |  | |  | | |  |  | | --- | --- | | EMP-20 Device Programming Software | | |  | **Device List**  **Last Updated: 7/10/2001 10:41:19 AM** |  |  | | --- | | 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. Modules 1, 2, and 3 are free with your EMP-20, and additional modules are $25, or three for $50. |  |  |  |  |  | | --- | --- | --- | --- | | **Totals** | | | | |  | **Total number of manufacturers** | 57 |  | |  | **Total number of devices** | 1580 |  |      |  |  |  | | --- | --- | --- | | **GENERIC** | | | | 2716 (01A) | 2732 (01A) | 2732A (01A) | | 2764 (01A) | 2764A (01A) | 27128 (01A) | | 27128A (01A) | 27256 (01A) | 27512 (01A) | | 27010 (01A) | 27020 (01A) | 27040 (01A) |      |  |  |  | | --- | --- | --- | | **ALLIANCE** | | | | 29F002B (22A) | 29F002T (22A) | 29F040 (22A) | | 29F200T (15A) |  |  |      |  |  |  | | --- | --- | --- | | **ALTERA** | | | | EP320 (13A) | EP330 (13A) | EP600I (13B) | | EP600 (13B) | EP610 (13B) | EP610I (13B) | | EP630 (13B) | EP630I (13B) | EP900 (07B) | | EP900I (07B) | EP910 (07B) | EP910I (07B) | | EP1800 (15B) |  |  |      |  |  |  | | --- | --- | --- | | **AMD** | | | | 2716 (01A) | 2716B (01A) | 2732 (01A) | | 2732A (01A) | 2732B (01A) | 2764 (01A) | | 2764A (01A) | 27C64 (01A) | 27128 (01A) | | 27128A (01A) | 27C128 (01A) | 27256 (01A) | | 27C256 (01A) | 27512 (01A) | 27C512 (01A) | | 27C010 (01A) | 27LV010 (01A) | 27C020 (01A) | | 27LV020 (01A) | 27C040 (01A) | 27C100 (01A) | | 27C400 (01B) | 27C1024 (01B) | 27C2048 (01B) | | 27C4096 (01B) | 2817A (01A) | 2864A (01A) | | 2864B (01A) | 28C256 (01A) | 28F256 (01A) | | 28F512 (01A) | 28F010 (01A) | 28F010A (01A) | | 28F020 (01A) | 28F020A (01A) | 29F002B (22A) | | 29F002T (22A) | 29F002NB (22A) | 29F002NT (22A) | | 29F004BB (22A) | 29F004BT (22A) | 29F010 (08B) | | 29F040 (22A) | 29F080-tsop40 (22B) | 29F080-tsop48 (22B) | | 29F080-psop44 (29A) | 29F016-tsop40 (22B) | 29F016-tsop48 (22B) | | 29F016-psop44 (29A) | 29F016B-tsop40 (22B) | 29F016B-tsop48 (22B) | | 29F016B-psop44 (29A) | 29F016D-tsop40 (22B) | 29F016D-tsop48 (22B) | | 29F016D-psop44 (29A) | 29F032B-tsop40 (22B) | 29F100B (15A) | | 29F100T (15A) | 29F200AB (15A) | 29F200B (15A) | | 29F200AT (15A) | 29F200T (15A) | 29F400BB (15A) | | 29F400AB (15A) | 29F400B (15A) | 29F400AT (15A) | | 29F400BT (15A) | 29F400T (15A) | 29F800B (15A) | | 29F800T (15A) | 8751H (02A) | 87C51 (02A) | | 8753H (02A) | PALce16v8 (03A) | PALce16v8H (03A) | | PALce16v8Z (03A) | PALce20v8 (03A) | PALce22v10 (03A) | | PALce22v10Z (03A) | MACH\_110 (09A) | MACH\_120 (09A) | | MACH\_130 (09A) | MACH\_210 (09A) | MACH\_215 (09A) | | MACH\_220 (09A) | MACH\_230 (09A) | Am1736 (04B) | | Am1765 (04B) |  |  |      |  |  |  | | --- | --- | --- | | **AMI** | | | | PEEL18CV8 (11A) | PEEL20CG10A (11A) | PEEL22CV8 (18A) | | PEEL22CV10 (11A) | PEEL22CV10A (11A) | PEEL22CV10Z (11A) | | PEEL22CV10A+ (11A) | PEEL22CV10AZ (11A) |  |      |  |  |  | | --- | --- | --- | | **ATMEL** | | | | 24C01A (04B) | 24C02 (04B) | 24C04 (04B) | | 24C21 (04B) | 24C32 (04B) | 24C64 (04B) | | 24C128 (04B) | 24C256 (04B) | 24C512 (04B) | | 25010 (04B) | 25020 (04B) | 25040 (04B) | | 25080 (04B) | 25128 (04B) | 25160 (04B) | | 25320 (04B) | 25640 (04B) | 27HC64 (01A) | | 27C128 (01A) | 27C256 (01A) | 27C256R (01A) | | 27HC256R (01A) | 27LV256A (01A) | 27C512 (01A) | | 27C512R (01A) | 27C513 (01A) | 27C513R (01A) | | 27C516 (01B) | 27C520 (03A) | 27C520(QP) (03A) | | 27C010 (01A) | 27C011 (01A) | 27C020 (01A) | | 27C040 (01A) | 27C080 (01A) | 27HC641 (01A) | | 27HC641R (01A) | 27HC642 (01A) | 27HC642R (01A) | | 27C800 (01B) | 27C1024 (01B) | 27C2048 (01B) | | 27C4096 (01B) | 27RW1024 (01B) | 28C04 (01A) | | 28C16 (01A) | 28HC16 (01A) | 28C17 (01A) | | 28C64 (01A) | 28LV64 (10A) | 28C64B (01A) | | 28C64X (10A) | 28HC64 (10A) | 28HC64B (01A) | | 28LV64B (01A) | 28PC64 (01A) | 28C256 (01A) | | 28HC256 (01A) | 28LV256 (01A) | 28C010 (01A) | | 28C040 (01A) | 28HC191 (01A) | 28HC291 (01A) | | 28C1024 (01B) | 29C256 (01A) | 29C257 (01A) | | 29C512 (01A) | 29C010 (01A) | 29C010A (01A) | | 29C020 (01A) | 29C040 (01A) | 29C040A (01A) | | 29C1024 (01B) | 32C16 (01B) | 49F512 (01A) | | 49F010 (01A) | 49F001(T) (01A) | 49F001N(T) (01A) | | 49F020 (01A) | 49F002(T) (01A) | 49F002N(T) (01A) | | 49F040 (01A) | 49F080(T)-TSOP (22B) | 49F1024 (22B) | | 49F1025 (22B) | 49F2048 (01B) | 49F4096 (01B) | | 49F8192-TSOP (01B) | 49F8192-PSOP (01B) | 87F51 (02A) | | 87F51RC (02A) | 87F52 (02A) | 87F55 (02A) | | 89C51 (02A) | 89C52 (02A) | 89C51RC (02A) | | 89LV51 (02A) | 89LV52 (02A) | 89C55 (02A) | | 89C55WD (02A) | 89C1051 (03A) | 89C2051 (03A) | | 89C4051 (03A) | 89S8252 (02A) | 89S53 (02A) | | 90S1200 (03A) | 90S2313 (03A) | 90S2323 (18A) | | 90S2343 (18A) | 90S4414 (07B) | 90S8515 (07B) | | ATtiny10/11 (18A) | ATtiny12 (18A) | ATtiny15 (18A) | | 93C46 (04B) | 93C57 (04B) | 93C66 (04B) | | AT17C65 (21B) | AT17C128 (21B) | AT17C256 (21B) | | AT17C512 (21B) | AT17C010 (21B) | AT17C020 (21B) | | AT17C512A (21B) | AT17C010A (21B) | AT17C020A (03A) | | AT5FC256 (IFC) | AT5FC512 (IFC) | AT22V10 (14A) | | AT22V10B (25A) | AT22LV10 (14A) | ATV750/L (14A) | | ATV750B/L (14A) | ATF750C (03B) | ATF750CL (03B) | | ATF750LVC (03B) | ATF750LVCL (03B) | 1500-PLCC (23A) | | 1500-TQFP (23A) | 1500A-PLC (23A) | 1500A-TQF (23A) | | 1502AS-J44 (23A) | 1502ASL-J44 (23A) | 1502AS-T44 (23A) | | 1502ASL-T44 (23A) | 1504-J44 (23A) | 1504-T44 (23A) | | 1504-J68 (23A) | 1504-J84 (23A) | 1504-P100 (23A) | | 1504-T100 (23A) | 1504ASV-J44 (23A) | 1504ASV-T44 (23A) | | 1504ASV-J68 (23A) | 1504ASV-J84 (23A) | 1504ASV-T100 (23A) | | 1508-J68 (23A) | 1508-J84 (23A) | 1508-P100 (23A) | | 1508-T100 (23A) | 1508-P160 (23A) | ATV2500 (14B) | | ATV2500L (14B) | ATV2500H/L (14B) | ATV2500B/L (14B) | | 2500BQL-DIP (14B) | ATV2500BQ/L (14B) | ATV2500B/L (23B) | | ATV2500BQ/L (23B) | ATF16V8B/L (03B) | ATF16V8BQ/BQL (03B) | | ATF16V8C (03B) | ATF16V8CZ (03B) | ATF16V8CEXT (03B) | | ATF16LV8C (03B) | ATF16LV8CEXT (03B) | ATF20V8B/L (03B) | | ATF22V10B/L (03B) | ATF22V10B/L-UES (03B) | ATF22V10C-DIP (03B) | | 22LV10C/Z-DIP (03B) | 22LV10C/ZUES-D (03B) | 22LV10CEXT-DIP (03B) | | ATF22V10C-PLCC (26B) | 22LV10C/Z-PLCC (26B) | 22LV10C/ZUES-P (26B) | | 22LV10CEXT-PLC (26B) |  |  |      |  |  |  | | --- | --- | --- | | **AT&T** | | | | ATT1736A (04B) | ATT1765A (04B) | ATT17128A (04B) |      |  |  |  | | --- | --- | --- | | **CSI** | | | | CAT24WC01 (04B) | CAT24C02 (04B) | CAT24C04 (04B) | | CAT24C08 (04B) | CAT24C16 (04B) | CAT24C44 (04B) | | CAT2764A (01A) | CAT27128A (01A) | CAT27256 (01A) | | CAT27512 (01A) | CAT27010 (01A) | CAT27C210 (01B) | | CAT28C16A (01A) | CAT28C17A (01A) | CAT28C64A (01A) | | CAT28C64B (01A) | CAT28C65A (01A) | CAT28C65B (01A) | | CAT28C256 (01A) | CAT28F001-B (01A) | CAT28F001-T (01A) | | CAT28F002-B (01B) | CAT28F002-T (01B) | CAT28F256 (01A) | | CAT28F512 (01A) | CAT28F010 (01A) | CAT28F102 (01B) | | CAT33C102 (04B) | CAT33C104 (04B) | CAT35C104 (04B) | | CAT35C116 (04B) | CAT35C204 (04B) | CAT35C102 (04B) | | CAT35C202 (04B) | CAT59C11 (04B) | CAT59C11A (04B) | | CAT93C46 (04B) | CAT93C46A (04B) | CAT93C56 (04B) | | CAT93C86-x8 (04B) | CAT93C86-x16 (04B) |  |      |  |  |  | | --- | --- | --- | | **CYPRESS** | | | | CY7C251 (01A) | CY7C254 (01A) | CY7C256 (01A) | | CY7C261 (08A) | CY7C263 (08A) | CY7C264 (08A) | | CY7C271 (01A) | CY7C274 (01A) | CY7C277 (01A) | | CY7C279 (01A) | CY7C291 (08A) | CY7C292 (08A) | | CY27C128 (01A) | CY27C256 (01A) |  |      |  |  |  | | --- | --- | --- | | **DALLAS** | | | | DS1220 (01A) | DS1225AD (01A) | DS1225D (01A) | | DS1225Y (01A) | DS1230Y (01A) | DS1235Y (01A) | | DS1243Y (01A) | DS1244Y (01A) | DS1245Y (01A) | | DS1248Y (01A) | DS1249Y (01A) | DS1286 (01A) | | DS1386-8K (01A) | DS1386-32K (01A) | DS1486 (01A) | | DS1630Y/AB (01A) | DS1642 (01A) | DS1643 (01A) | | DS1644 (01A) | DS1645Y/AB (01A) | DS1646 (01A) | | DS1650Y/AB (01A) | DS1658Y/AB (01B) | DS87C520 (02A) |      |  |  |  | | --- | --- | --- | | **EXEL** | | | | 2804A (01A) | 2816A (01A) | 28C16A (01A) | | 28C16B (01A) | 2864A (01A) | 28C64 (01A) | | 2865A (01A) | 28C65A (01A) | 28C256 (01A) | | 93LC06 (04B) | 93C46 (04B) | 93LC46 (04B) | | 93C56 (04B) | 93LC56 (04B) | 93C66 (04B) | | 93LC66 (04B) |  |  |      |  |  |  | | --- | --- | --- | | **FAIRCHILD** | | | | NMC27C16B (01A) | NMC27C32B (01A) | NMC27C64 (01A) | | NM27C128 (01A) | NM27C256 (01A) | NM27C512 (01A) | | NM27C010 (01A) | NM27C020 (01A) | NM27C040 (01A) | | NM27C210 (01B) | NM27C240 (01B) | NM27C520 (03A) |      |  |  |  | | --- | --- | --- | | **Fujitsu** | | | | 2732 (01A) | 2764 (01A) | 27C64 (01A) | | 27128 (01A) | 27C128 (01A) | 27256 (01A) | | 27C256 (01A) | 27C256A (01A) | 27C256H (01A) | | 27512 (01A) | 27C512 (01A) | 27C1000 (01A) | | 27C1001 (01A) | 271024 (01B) | 27C4001 (01A) | | 27C4096 (01B) | 29F800B (15A) | 29F800T (15A) |      |  |  |  | | --- | --- | --- | | **FIRST\_TECH** | | | | 26-132-803 (NONE) | 26-232-803 (NONE) |  |      |  |  |  | | --- | --- | --- | | **GI** | | | | 27C128 (01A) | 27C256 (01A) | 27C512 (01A) |      |  |  |  | | --- | --- | --- | | **HP** | | | | 1M\_SIMM (HPDAP) | 2M\_SIMM (HPDAP) | 4MSGS\_SM (HPDAP) | | 4MHIT\_SM (HPDAP) | 2M\_FLSIMM (HPDAP) | 4M\_FLSIMM (HPDAP) | | 8M\_FLSIMM (HPDAP) |  |  |      |  |  |  | | --- | --- | --- | | **Hitachi** | | | | 2532 (01A) | 2716 (01A) | 2732 (01A) | | 2732A (01A) | 2764 (01A) | 27C64 (01A) | | 27128 (01A) | 27128A (01A) | 27256 (01A) | | 27C256 (01A) | 27512 (01A) | 27C101G (01A) | | 27C301G (01A) | 271024 (01B) | 27C1024 (01B) | | 27C4000 (01B) | 274096 (01B) |  |      |  |  |  | | --- | --- | --- | | **HUGHES** | | | | H3108A (01A) |  |  |      |  |  |  | | --- | --- | --- | | **HYUNDAI** | | | | 2764 (01A) | 27C64 (01A) | 29F040 (22A) | | 29F800B (15A) | 29F800T (15A) | 93C46 (04B) |      |  |  |  | | --- | --- | --- | | **ICT** | | | | PEEL18CV8 (11A) | PEEL20CG10A (11A) | PEEL22CV8 (18A) | | PEEL22CV10 (11A) | PEEL22CV10A (11A) | PEEL22CV10Z (11A) | | PEEL22CV10A+ (11A) | PEEL22CV10AZ (11A) | PA7024 (11A) | | PA7140 (07B) | 93C06 (04B) | 93C46 (04B) | | 93C56 (04B) | 93C66 (04B) | 93CS06 (04B) | | 93CS46 (04B) | 93CS56 (04B) | 93CS66 (04B) |      |  |  |  | | --- | --- | --- | | **IMT** | | | | IM29F002B (22A) | IM29F002T (22A) | IM29F004B (22A) | | IM29F004T (22A) |  |  |      |  |  |  | | --- | --- | --- | | **INTEL** | | | | 2716 (01A) | 2732 (01A) | 2732A (01A) | | 2764 (01A) | 2764A (01A) | 27C64 (01A) | | 27128 (01A) | 27128A (01A) | 27128B (01A) | | 27256 (01A) | 27C256 (01A) | 87C257 (01A) | | 27512 (01A) | 27C512 (01A) | 27513 (01A) | | 27C513 (01A) | 27010 (01A) | 27C010 (01A) | | 27C010A (01A) | 27011 (01A) | 27C011 (01A) | | 27C020 (01A) | 27C040 (01A) | 27C100 (01A) | | 27210 (01B) | 27C210 (01B) | 27C220 (01B) | | 27C240 (01B) | 27C400 (01B) | 27C800 (01B) | | 2816A (01A) | 2817A (01A) | P28F256A (01A) | | N28F256A (01A) | P28F512 (01A) | N28F512 (01A) | | E28F010 (01A) | F28F010 (01A) | N28F010 (01A) | | P28F010 (01A) | E28F020 (01A) | F28F020 (01A) | | N28F020 (01A) | P28F020 (01A) | E28F001BX-B (01A) | | E28F001BX-T (01A) | N28F001BX-B (01A) | N28F001BX-T (01A) | | P28F001BX-B (01A) | P28F001BX-T (01A) | E28F002BC-T (01B) | | PA28F002BC-T (01B) | P28F002BC-T (28B) | E28F002BX/L-B (01B) | | E28F002BX/L-T (01B) | E28F002BV/E-B (01B) | E28F002BV/E-T (01B) | | E28F004BX/L-B (01B) | E28F004BX/L-T (01B) | E28F004BV-B (01B) | | E28F004BV-T (01B) | E28F004BE-B (01B) | E28F004BE-T (01B) | | E28F008BE-B (01B) | E28F008BE-T (01B) | E28F008BV-B (01B) | | E28F008BV-T (01B) | E28F200BX/L-B (01B) | E28F200BX/L-T (01B) | | E28F200BV/E-B (01B) | E28F200BV/E-T (01B) | E28F200CV-B (01B) | | E28F200CV-T (01B) | E28F200B5-B (01B) | E28F200B5-T (01B) | | PA28F200BX/L-B (01B) | PA28F200BX/L-T (01B) | PA28F200BV/E-B (01B) | | PA28F200BV/E-T (01B) | PA28F200B5-B (01B) | PA28F200B5-T (01B) | | E28F400BX/L-B (01B) | E28F400BX/L-T (01B) | E28F400BV/E-B (01B) | | E28F400BV/E-T (01B) | E28F400CV-B (01B) | E28F400CV-T (01B) | | E28F400B5-B (01B) | E28F400B5-T (01B) | PA28F400BX/L-B (01B) | | PA28F400BX/L-T (01B) | PA28F400BV/E-B (01B) | PA28F400BV/E-T (01B) | | PA28F400B5-B (01B) | PA28F400B5-T (01B) | E28F800CE-B (01B) | | E28F800CE-T (01B) | E28F800CV-B (01B) | E28F800CV-T (01B) | | E28F800B5-B (01B) | E28F800B5-T (01B) | PA28F800BV/E-B (01B) | | PA28F800BV/E-T (01B) | PA28F800B5-B (01B) | PA28F800B5-T (01B) | | E28F004S5 (22B) | E28F004SC (22B) | E28F008SA (01B) | | E28F008S5 (22B) | E28F008SC (22B) | E28F008SA-L (01B) | | F28F008SA (01B) | F28F008SA-L (01B) | PA28F008SA (01B) | | PA28F008S5 (22B) | PA28F008SA-L (01B) | E28F016S5 (22B) | | E28F016SC (22B) | E28F016SA/SV (01B) | DA28F016SA/SV (01B) | | E28F016XD (01B) | E28F016XS (01B) | DA28F016XS (01B) | | DD28F032SA (01B) | iMC002FLSC (IFC) | iMC004FLSC (IFC) | | iMC008FLSC (IFC) | iMC016FLSC (IFC) | iMC002FLSA (IFC) | | iMC004FLSA (IFC) | iMC010FLSA (IFC) | iMC020FLSA (IFC) | | iMC004FLSP (IFC) | iMC008FLSP (IFC) | iMC020FLSP (IFC) | | iMC040FLSP (IFC) | 4Meg\_SIMM (NONE) | 8Meg\_SIMM (NONE) | | 8048 (02A) | 8049 (02A) | 87C257 (01A) | | 8741A (02A) | 8741AH (02A) | 8742 (02A) | | 8742AH (02A) | 87C42 (02A) | 8748 (02A) | | 8748H (02A) | 8749 (02A) | 8749H (02A) | | 87C151SA (07B) | 87C151SB (07B) | 87C251SA (07B) | | 87C251SB (07B) | 87C251SP (07B) | 87C251SQ (07B) | | 8751H (02A) | 8751BH (02A) | 8752BH (02A) | | 87C51 (02A) | 87C51FA (02A) | 87L51FA (02A) | | 87C51FB (02A) | 87C51FC (02A) | 87C51RA (02A) | | 87C51RB (02A) | 87C51RC (02A) | 87C52 (02A) | | 8755A (02A) | 87C64 (01A) | 87C196CA (02A) | | 87C196KB (02A) | 87C196KC (02A) | 87C196KD (02A) | | 87C196KQ (02A) | 87C196KR (02A) | 87C196KS (02A) | | 87C196KT (02A) | 87C196MC (02A) | 87C196MD (02A) | | 87C196MH (02A) | 87C196NT (02A) | 85C220 (13A) | | 85C224 (03B) | 85C060 (13B) | 85C090 (07B) | | 85C22V10 (13B) | PLD610 (13B) | PLD910 (07B) | | PLD22V10 (13B) | 5AC312 (03B) | 5C032 (13A) | | 5C180 (15B) |  |  |      |  |  |  | | --- | --- | --- | | **ISSI** | | | | 27C256 (01A) | 27HC256 (01A) | 27C512 (01A) | | 27HC512 (01A) | 27LV512 (01A) | 27C010 (01A) | | 28F010 (01A) | 89C52 (02A) |  |      |  |  |  | | --- | --- | --- | | **LATTICE** | | | | GAL16V8 (03B) | GAL20V8 (03B) | GAL22V10 (03B) | | GAL22V10B (03B) | GAL22V10C (03B) | GAL22V10D (03B) | | GAL26CV12 (16A) | GAL6001/B (03B) |  |      |  |  |  | | --- | --- | --- | | **LUCENT** | | | | ATT1736A (04B) | ATT1765A (04B) | ATT17128A (04B) | | OR17C256 (04B) | OR17L256 (04B) |  |      |  |  |  | | --- | --- | --- | | **MACRONIX** | | | | 26C512 (27A) | 26C1024 (01B) | 27C256 (01A) | | 27L256 (01A) | 27C512 (01A) | 27L512 (01A) | | 27C513 (01A) | 27C516 (01B) | 27C1000 (01A) | | 27L1000 (01A) | 27C1001 (01A) | 27C1024 (01B) | | 27C1100 (01B) | 27C2000 (01A) | 27C2048 (01B) | | 27C4000 (01A) | 27L4000 (01A) | 27C4096 (01B) | | 27C4100 (01B) | 27C4111 (01B) | 27C8000 (01A) | | 27C8100 (01B) | 27C8111 (01B) | 28F002BTC (01B) | | 28F002TTC (01B) | 28F1000 (01A) | 28F1000P (01A) | | 28F2000P (01A) | 28F2100B (01B) | 28F4000 (01A) | | 29F002B (01A) | 29F002T (01A) | 29F002NB (01A) | | 29F002NT (01A) | 29F8100-C44-W (01B) | 29F1610-ET (01B) | | 29F1610-C44-W (01B) | 29F1611-C44-W (01B) |  |      |  |  |  | | --- | --- | --- | | **MICROCHIP** | | | | PIC12c508 (28A) | PIC12c509 (28A) | PIC12ce518 (28A) | | PIC12ce519 (28A) | PIC12c671 (28A) | PIC12c672 (28A) | | PIC12ce673 (28A) | PIC12ce674 (28A) | PIC14000 (26A) | | PIC16c52 (04A) | PIC16c54 (04A) | PIC16c54A (04A) | | PIC16c54B (04A) | PIC16c54C (04A) | PIC16c55 (04A) | | PIC16c55A (04A) | PIC16c56 (04A) | PIC16c56A (04A) | | PIC16c57 (04A) | PIC16c57C (04A) | PIC16c58A (04A) | | PIC16c58B (04A) | PIC16c554 (04A) | PIC16c556 (04A) | | PIC16c558 (04A) | PIC16c61 (04A) | PIC16c62 (18B) | | PIC16c62A (18B) | PIC16c62B (18B) | PIC16c620 (04A) | | PIC16c620A (04A) | PIC16c621 (04A) | PIC16c621A (04A) | | PIC16c622 (04A) | PIC16c622A (04A) | PIC16ce623 (04A) | | PIC16ce624 (04A) | PIC16ce625 (04A) | PIC16c642 (18B) | | PIC16c662 (18B) | PIC16c63 (18B) | PIC16c63A (18B) | | PIC16c64 (16B) | PIC16c64A (16B) | PIC16c65 (18B) | | PIC16c65A (18B) | PIC16c66 (18B) | PIC16c67 (18B) | | PIC16c71 (04A) | PIC16c710 (04A) | PIC16c711 (04A) | | PIC16c715 (04A) | PIC16c72 (18B) | PIC16c73 (18B) | | PIC16c73A (18B) | PIC16c74 (18B) | PIC16c74A (18B) | | PIC16c76 (18B) | PIC16c77 (18B) | PIC16c84 (04A) | | PIC16F83 (04A) | PIC16F84 (04A) | PIC16F872 (18B) | | PIC16F873 (18B) | PIC16F874 (18B) | PIC16F876 (18B) | | PIC16F877 (18B) | PIC17c42 (16B) | PIC17c43 (16B) | | PIC17c44 (16B) | 24C01 (04B) | 24C02 (04B) | | 24C04 (04B) | 24C08 (04B) | 24C16 (04B) | | 24C32 (04B) | 24LC00 (04B) | 24LC01 (04B) | | 24LC02 (04B) | 24LC04 (04B) | 24LC08 (04B) | | 24LC16 (04B) | 24LC32 (04B) | 24LC32A (04B) | | 24LC65 (04B) | 24LC128 (04B) | 24LC256 (04B) | | 25LC160 (04B) | 27C256 (01A) | 37LV36 (04B) | | 37LV65 (04B) | 37LV128 (04B) | 59C11 (04B) | | 93C06 (04B) | 93C46-x16 (04B) | 93C46-x8 (04B) | | 93C56 (04B) | 93C66-x8 (04B) | 93C66-x16 (04B) | | 93C76-x8 (04B) | 93C76-x16 (04B) | 93CS06 (04B) | | 93CS46 (04B) | 93CS56 (04B) | 93CS66 (04B) | | 93LC46-x16 (04B) | 93LC46-x8 (04B) | 93LC66-x8 (04B) | | 93LC66-x16 (04B) | 93LC76-x8 (04B) | 93LC76-x16 (04B) |      |  |  |  | | --- | --- | --- | | **MICRON** | | | | 28F002B1VG-B (01B) | 28F002B1VG-T (01B) | 28F002C1VG-B (01B) | | 28F002C1VG-T (01B) | 28F004B1VG-B (01B) | 28F004B1VG-T (01B) | | 28F008B1VG-B (01B) | 28F008B1VG-T (01B) | 28F200B1WG-B (01B) | | 28F200B1WG-T (01B) | 28F200B1SG-B (01B) | 28F200B1SG-T (01B) | | 28F400B1WG-B (01B) | 28F400B1WG-T (01B) | 28F400B1SG-B (01B) | | 28F400B1SG-T (01B) |  |  |      |  |  |  | | --- | --- | --- | | **MITSUBISHI** | | | | 27C256 (01A) | 27C512 (01A) | 27C100 (01A) | | 27C101 (01A) | 27C102 (01B) | 27C201 (01A) | | 27C202 (01B) | 27C402 (01B) | 28F101 (01A) | | 28F102 (01B) | M6M80011A (04B) | M6M80042P (04B) |      |  |  |  | | --- | --- | --- | | **MOSEL\_VIT** | | | | V29C51000T (22A) | V29C51001T (22A) | V29C51002B (22A) | | V29C51002T (22A) | V29C51004B (22A) | V29C51004T (22A) | | V29LC51000 (22A) | V29LC51001 (22A) |  |      |  |  |  | | --- | --- | --- | | **MOTOROLA** | | | | 2532 (01A) | 2716 (01A) | 68764 (01A) | | 68766 (01A) | 68HC705C8 (09A) | 68HC705C8A (09A) | | 68HC705C9 (09A) | 68HC705C9A (09A) | 68HC705D9 (09A) | | 68HC705J2 (09A) | 68HC705P6 (09A) | 68HC705P6A (09A) | | 68HC705P9 (09A) | 68HC711D3 (09B) | 68HC711E9 (09B) | | 68HC711E20 (09B) | 68HC711K4 (09B) | 68HC711L6 (09B) |      |  |  |  | | --- | --- | --- | | **NATIONAL** | | | | 2716 (01A) | 27C16 (01A) | 27C16B (01A) | | 2732 (01A) | 27C32 (01A) | 27C32B (01A) | | 27C32H (01A) | 27C32Q (01A) | 2764 (01A) | | 2764A (01A) | 27C64 (01A) | 27C64N (01A) | | 27C64Q (01A) | 27C128 (01A) | 27C128B (01A) | | 27C128BN (01A) | 27C128C (01A) | 27CP128 (01A) | | 27256 (01A) | 27C256 (01A) | 27C256B (01A) | | 27C256BN (01A) | 27C256C (01A) | 27C512 (01A) | | 27C512A (01A) | 27C010 (01A) | 27C020 (01A) | | 27C040 (01A) | 27C1024 (01B) | 27C210 (01B) | | 27C2048 (01B) | 59C11 (04B) | COP8722C (24A) | | COP8780C (24A) | COP8781C (24B) | COP8782C (24A) | | COP8788C (24A) | COP87L20 (24B) | COP87L22 (24A) | | COP87L40 (24B) | COP87L42 (24A) | COP87L84 (24B) | | COP87L84BC (24B) | COP87L88 (24A) | 87L88-PLCC (24A) | | COP8SAx7-16 (24B) | COP8SAx7-20 (24A) | COP8SAx7-28 (24B) | | COP8SAx7-40 (24A) | COP8SAx7-44 (24A) | 9306 (04B) | | 93C06 (04B) | 93C14 (04B) | 93C46 (04B) | | 93C56 (04B) | 93C66 (04B) | 93C86 (04B) | | 93CS06 (04B) | 93CS46 (04B) | 93CS56 (04B) | | 93CS66 (04B) | GAL16V8 (03B) | GAL20V8 (03B) | | GAL22V10 (03B) |  |  |      |  |  |  | | --- | --- | --- | | **NEC** | | | | 2716 (01A) | 2732 (01A) | 2732A (01A) | | 2764 (01A) | 27C64 (01A) | 27128 (01A) | | 27256 (01A) | 27C256 (01A) | 27C256A (01A) | | 27C512 (01A) | 27C1000A (01A) | 27C1001A (01A) | | 27C1024 (01B) | 27C2001 (01A) | 27C4001 (01A) | | 27C8001 (01A) | 28C64 (01A) | 8741A (02A) | | 8748 (02A) | 8748H (02A) | 8749H (02A) | | 8755A (02A) |  |  |      |  |  |  | | --- | --- | --- | | **OKI** | | | | 2532 (01A) | 2716 (01A) | 2732 (01A) | | 2732A (01A) | 2764 (01A) | 2764A (01A) | | 27C64 (01A) | 27C64A (01A) | 27128 (01A) | | 27C128 (01A) | 27256 (01A) | 27C256 (01A) | | 27512 (01A) | 27C802ZB (01B) | 27C822ZB (01B) | | 27C852CZ-dip (01B) | 27C1652CZ-dip (01B) | 27C1652CZ-sop (28A) | | 27C3202CZ-sop (28A) | 27C3252CZ-sop (28A) |  |      |  |  |  | | --- | --- | --- | | **PANASONIC** | | | | MN101DP01G (01A) |  |  |      |  |  |  | | --- | --- | --- | | **PHILIPS** | | | | 27C64A (01A) | 27C256 (01A) | 27C512 (01A) | | 27C010 (01A) | 27C040 (01A) | 27C210 (01B) | | 27HC641 (01A) | P51-XA-G1 (25B) | P51-XA-G2 (25B) | | P51-XA-G3 (25B) | PXA-G49 (25B) | PXA-G49 (02A) | | 87C51 (02A) | 87C51FA (02A) | 87C51FB (02A) | | 87C51FC (02A) | 87L51FA (02A) | 87L51FB (02A) | | 87C51RA+ (02A) | 87C51RB+ (02A) | 87C51RC+ (02A) | | 87C51RD+ (02A) | 87C52 (02A) | 87C524 (02A) | | 87C528 (02A) | 87C54 (02A) | 87C550 (02A) | | 87C575 (07B) | 87C58 (02A) | 87C652 (02A) | | 87C654 (02A) | 87C748 (02B) | 87C749 (02B) | | 87C750 (02B) | 87C751 (02B) | 87C752 (02B) | | 87LPC762 (19B) | 87LPC764 (19B) | 87LPC767 (19B) | | 87LPC768 (19B) | 87LPC769 (19B) | 89C51RB2 (02A) | | 89C51RC2 (02A) | 89C51RD2 (02A) | 89C51RC+ (02A) | | 89C51RD+ (02A) | 89C51U (02A) | 89C52U (02A) | | 89C54U (02A) | 89C58U (02A) | 89C52 (02A) | | 89C54 (02A) | 89C536 (02A) | 89C538 (02A) | | 89C638 (02A) | 89C660 (02A) | 89C662 (02A) | | 89C664 (02A) | 89C738 (02A) | PSD301 (12A) | | PSD302 (12A) | PSD311 (12A) | PSD312 (12A) | | PSD303 (12A) | PSD313 (12A) |  |      |  |  |  | | --- | --- | --- | | **ROCKWELL** | | | | 2764 (01A) | 27C64 (01A) | 2816A (01A) | | 52B13 (01A) | 52B33 (01A) |  |      |  |  |  | | --- | --- | --- | | **SAMSUNG** | | | | 93C06 (04B) | 93C46 (04B) | 93C56 (04B) | | 93C66 (04B) | 93CS06 (04B) | 93CS46 (04B) | | 93CS56 (04B) | 93CS66 (04B) |  |      |  |  |  | | --- | --- | --- | | **SEEQ** | | | | 2764 (01A) | 27128 (01A) | 27256 (01A) | | 27C256 (01A) | 2804A (01A) | 2816A (01A) | | 2816AH (01A) | 2817A (01A) | 2817AH (01A) | | 2864 (01A) | 2864H (01A) | 28C64 (01A) | | 28C65 (01A) | 28C256 (01A) | 28C010 (01A) | | 36C16 (01A) | 36C32 (01A) | 52B13 (01A) | | 52B13H (01A) | 52B33 (01A) | 52B33H (01A) |      |  |  |  | | --- | --- | --- | | **SHARP** | | | | LH28F004SCT (22B) | LH28F016SU (01B) |  |      |  |  |  | | --- | --- | --- | | **SGS\_THOMSON** | | | | M2716 (01A) | M2732 (01A) | M2732A (01A) | | M2764 (01A) | M2764A (01A) | M27C64A (01A) | | M27HC641 (01A) | M27128 (01A) | M27128A (01A) | | M27256 (01A) | M27C256 (01A) | 27C256B (01A) | | M27512 (01A) | M27C512 (01A) | M27C513 (01A) | | M27C516 (01B) | M27C1000 (01A) | M27C1001 (01A) | | M27C1024 (01B) | M27C2001 (01A) | M27C4001 (01A) | | M27C4002 (01B) | M27C1011 (01A) | M27C800 (01B) | | M27C801 (08B) | M27C160 (01B) | M27C160-SOP (28A) | | M27C202 (01B) | M27C405 (22A) | 28C64C (01A) | | M28F256A (01A) | M28F512 (01A) | M28F101 (01A) | | M28F102 (01B) | M28F201 (01A) | M29F010 (08B) | | M29F040 (22A) | M29F102B (22B) | M29F105B (22B) | | M29F002B (22A) | M29F002T (22A) | M29F100T (15A) | | M29F200B (15A) | M29F200T (15A) | M29F400B (15A) | | M29F400T (15A) | 62T10B (17A) | 62T15B (17A) | | 62E20B (17A) | 62T20B (17A) | 62E25B (17A) | | 62T25B (17A) | 62E60B (17B) | 62T60B (17B) | | 62E65B (17B) | 62T65B (17B) | 93C06 (04B) | | 93C46 (04B) | 93C56 (04B) | 93C66 (04B) | | 93CS06 (04B) | 93CS46 (04B) | 93CS56 (04B) | | 93CS66 (04B) | ST95P02 (04B) | ST95P04 (04B) | | ST95P08 (04B) | ST95010 (04B) | ST95011 (04B) | | ST95020 (04B) | ST95021 (04B) | ST95040 (04B) | | ST95041 (04B) | 16V8 (03B) | 20V8 (03B) |      |  |  |  | | --- | --- | --- | | **SIEMENS** | | | | SABC502 (02A) | SABC503 (02A) | SABC513A-H (07B) | | 87C52 (02A) |  |  |      |  |  |  | | --- | --- | --- | | **SIGNETICS** | | | | 27C64A (01A) | 27C256 (01A) | 27C512 (01A) | | 27C010 (01A) | 27C040 (01A) | 27C210 (01B) | | 27HC641 (01A) | P51-XA-G1 (25B) | P51-XA-G2 (25B) | | P51-XA-G3 (25B) | PXA-G49 (25B) | PXA-G49 (02A) | | 87C51 (02A) | 87C51FA (02A) | 87C51FB (02A) | | 87C51FC (02A) | 87L51FA (02A) | 87L51FB (02A) | | 87C51RA+ (02A) | 87C51RB+ (02A) | 87C51RC+ (02A) | | 87C51RD+ (02A) | 87C52 (02A) | 87C524 (02A) | | 87C528 (02A) | 87C54 (02A) | 87C550 (02A) | | 87C575 (07B) | 87C58 (02A) | 87C652 (02A) | | 87C654 (02A) | 87C748 (02B) | 87C749 (02B) | | 87C750 (02B) | 87C751 (02B) | 87C752 (02B) | | 87LPC762 (19B) | 87LPC764 (19B) | 87LPC767 (19B) | | 87LPC768 (19B) | 87LPC769 (19B) | 89C51RB2 (02A) | | 89C51RC2 (02A) | 89C51RD2 (02A) | 89C51RC+ (02A) | | 89C51RD+ (02A) | 89C51U (02A) | 89C52U (02A) | | 89C54U (02A) | 89C58U (02A) | 89C52 (02A) | | 89C54 (02A) | 89C536 (02A) | 89C538 (02A) | | 89C638 (02A) | 89C660 (02A) | 89C662 (02A) | | 89C664 (02A) | 89C738 (02A) | PSD301 (12A) | | PSD302 (12A) | PSD311 (12A) | PSD312 (12A) | | PSD303 (12A) | PSD313 (12A) |  |      |  |  |  | | --- | --- | --- | | **SIMTEK** | | | | STK10C48 (01A) | STK10C68 (01A) | STK11C48 (01A) | | STK11C68 (01A) | STK12C68 (01A) |  |      |  |  |  | | --- | --- | --- | | **SMART\_MOD** | | | | SM532F1000 (NONE) | SM532F2000 (NONE) |  |      |  |  |  | | --- | --- | --- | | **SUMMIT** | | | | S24022 (04B) | S24023 (04B) | S24042 (04B) | | S24043 (04B) | S24162 (04B) | S24163 (04B) |      |  |  |  | | --- | --- | --- | | **SST** | | | | 27SF256 (27A) | 27SF512 (27A) | 27SF010 (29B) | | 27SF020 (29B) | 29EE512 (01A) | 29EE010 (01A) | | 29EE020 (01A) | 28EE011 (01A) | 28SF040 (08B) | | 39SF512 (01A) | 39SF010 (01A) | 39SF020 (01A) | | 89C54 (07B) | 89C58 (07B) | 89F54 (07B) | | 89F58 (07B) |  |  |      |  |  |  | | --- | --- | --- | | **TEMIC** | | | | 83C154 (02A) | 87C51 (02A) | 87C51RB2-dip (02A) | | 87C51RB2-plcc (02A) | 87C51RC2-dip (02A) | 87C51RC2-plcc (02A) | | 87C51RD2-dip (02A) | 87C51RD2-plcc (02A) | 87C51RU2-dip (02A) | | 87C51RU2-plcc (02A) | 87C52 (02A) | 87C52X2 (02A) | | 87C54X2 (02A) | 87C58X2 (02A) | 87251G1 (07B) | | 87251G1A-dip (07B) | 87251G1A-plcc (07B) | 87251G2D-dip (07B) | | 87251G2D-plcc (07B) | 89C51RD2 (02A) |  |      |  |  |  | | --- | --- | --- | | **TI** | | | | 2516JL (01A) | 2532 (01A) | 2532A (01A) | | 2564 (01A) | 2732 (01A) | 2732A (01A) | | 27C32 (01A) | 27C49 (01A) | 2764 (01A) | | 2764A (01A) | 27C64 (01A) | 27128 (01A) | | 27C128 (01A) | 27C256 (01A) | 27C512 (01A) | | 27C010 (01A) | 27C010A (01A) | 27C020 (01A) | | 27C040 (01A) | 27C210 (01B) | 27C210A (01B) | | 27C240 (01B) | 28F512A (01A) | 28F010A (01A) | | 28F020 (01A) | 28F200BZ-B (01B) | 28F200BZ-T (01B) | | 28F400BZ-B (01B) | 28F400BZ-T (01B) | 28F210 (01B) | | 29F010 (08B) | 29F040 (22A) | TMS320e25 (01A) | | TMS320p25 (01A) | TMS7742 (04A) | TMS7782 (11B) |      |  |  |  | | --- | --- | --- | | **TOSHIBA** | | | | 2764D (01A) | 2764AD (01A) | 27128D (01A) | | 27128AD (01A) | 27256D (01A) | 27256AD (01A) | | 27256BD (01A) | 27512AD (01A) | 57256D (01A) | | 57256AD (01A) | 57512AD (01A) | 571000D (01A) | | 571001D (01A) | 571024D (01B) | 571025D (01B) | | 574000D (01A) | 574096D (01B) | 574200D (01B) | | 578200D (01B) | 5716200D (01B) | TC97208P (01A) | | TC97209P (01A) | TMP8755AC (02A) |  |      |  |  |  | | --- | --- | --- | | **TYPEHAUS** | | | | 512KB\_SIMM (S\_1100) | 1MB\_SIMM (S\_1100) | 2MB\_SIMM (S\_1100) | | 4MB\_SIMM (S\_1100) |  |  |      |  |  |  | | --- | --- | --- | | **WAFERSCALE** | | | | 27C64 (01A) | 27C128 (01A) | 27C256 (01A) | | 27C010 (01A) | 57C43C (01A) | 57C49B (01A) | | 57C49C (01A) | 57C51C (01A) | 57C71C (10A) | | 57C256F (01A) | PSD211R (12A) | PSD301 (12A) | | PSD301R (12A) | PSD302 (12A) | PSD302R (12A) | | PSD303 (12A) | PSD303R (12A) | PSD311 (12A) | | PSD311R (12A) | PSD312 (12A) | PSD312R (12A) | | PSD313 (12A) | PSD313R (12A) | PSD401 (12A) | | PSD402 (12A) | PSD403 (12A) | PSD411 (12A) | | PSD412 (12A) | PSD413 (12A) | PSD501 (12A) | | PSD502 (12A) | PSD503 (12A) | PSD511 (12A) | | PSD512 (12A) | PSD513 (12A) |  |      |  |  |  | | --- | --- | --- | | **WINBOND** | | | | W27E257 (27A) | W27E512 (27A) | W27C512 (27A) | | W27E010 (29B) | W27E020 (29B) | W27E040 (29B) | | W29C020 (01A) | W29C040 (01A) | W29C101-DIP (01B) | | W29C101-PLCC (01B) | W29C102-TSOP (01B) | W29F102-DIP (22B) | | W29EE512 (01A) | W29EE010 (01A) | W29EE011 (01A) | | W77E58 (07B) | W78E51 (07B) | W78E52 (07B) | | W78E54 (07B) | W78E58 (07B) | W78E512 (02A) | | W78E516 (02A) | W78LE51 (07B) | W78LE52 (07B) | | W78LE58 (02A) | W78LE516 (02A) |  |      |  |  |  | | --- | --- | --- | | **XICOR** | | | | X2004 (01A) | X20C04 (01A) | X20C05 (01A) | | X20C16 (01A) | X20C17 (01A) | X2210 (07A) | | X2212 (07A) | X22C10 (07A) | X22C12 (07A) | | X24001 (07A) | X24012 (04B) | X24022 (04B) | | X2404 (04B) | X24042 (04B) | X24164 (04B) | | X24165 (04B) | X24325 (04B) | X24645 (04B) | | X24C00 (04B) | X24C01 (04B) | X24C01A (04B) | | X24C02 (04B) | X24C04 (04B) | X24C08 (04B) | | X24C16 (04B) | X24C44 (04B) | X24C45 (04B) | | X25010 (04B) | X25020 (04B) | X25040 (04B) | | X25043 (04B) | X25045 (04B) | X25080 (04B) | | X25128 (04B) | X25160 (04B) | X25320 (04B) | | X25401 (04B) | X25640 (04B) | X25642 (04B) | | X25C02 (04B) | X2804A (01A) | X2804C (01A) | | X2816A (01A) | X2816B (01A) | X2816C (01A) | | X28C16 (01A) | X28HC16 (01A) | X2864A (01A) | | X2864B (01A) | X2864H (01A) | X28C64 (01A) | | X28HC64 (01A) | X28256 (01A) | X28C256 (01A) | | X28HC256 (01A) | X28TC256 (04B) | X28VC256 (01A) | | X28C512 (01A) | X28C010 (01A) | XM28C010 (01A) | | XM28C020 (01A) | XM28C040 (01A) | X68C64 (01A) | | X76041 (18A) | X76F640-dip (18A) | X76F640-soic (18A) | | X84041 (04B) | X86C64 (01A) | X88C64 (01A) | | X68C75 (07A) | X88C75 (07A) | X68257 (01A) | | X88257 (01A) |  |  |      |  |  |  | | --- | --- | --- | | **XILINX** | | | | XC1701 (04B) | XC1701L (04B) | XC1718D (04B) | | XC1736A (04B) | XC1736D (04B) | XC1736E (04B) | | XC1765 (04B) | XC1765D (04B) | XC1765E (04B) | | XC17128 (04B) | XC17128D (04B) | XC17128E (04B) | | XC17256D (04B) | XC17256E (04B) | XC7236 (19A) | | XC7236A (19A) | XC7272-68plc (20A) | XC7272-84plc (20A) | | XC7272A-68plc (20A) | XC7272A-84plc (20A) | XC7318 (19B) | | XC7336 (19B) | XC7336Q (19B) | XC7354-44plc (19B) | | XC7354-68plc (20A) | XC7372-68plc (20A) | XC7372-84plc (20A) | | XC73108-84plc (20A) | XC73108A-84plc (20A) | XC9536-44plc (19B) | | XC9536-44qfp (19B) | XC9572-44plc (19B) | XC9572-84plc (20A) | | XC9572-100pq (20A) | XC95108-84plc (20A) | XC95108-100pq (20A) |      |  |  |  | | --- | --- | --- | | **ZILOG** | | | | Z86E02 (05B) | Z86E02-1866 (05B) | Z86E02-1925 (05B) | | Z86E04 (05B) | Z86E04-1866 (05B) | Z86E08 (05B) | | Z86E08-1866 (05B) | Z86E21 (05A) | Z86E23 (05A) | | Z86E30-16MHz (06A) | Z86E30-1873 (06A) | Z86E31-16MHz (06A) | | Z86E31-1873 (06A) | Z86E33-16MHz (06A) | Z86E34-16MHz (06A) | | Z86E40-16MHz (06B) | Z86E40-1873 (06B) | Z86E43-16MHz (06B) | | Z86E44-12MHz (06B) | Z86E44-16MHz (06B) | Z86E61 (05A) | | Z86E63 (05A) | Z86E72 (27B) | Z86E73 (27B) | | Z86E136 (06A) | Z86E146 (06B) | Z86733-16MHz (06A) | | Z86743-16MHz (06B) |  |  |      |  |  |  | | --- | --- | --- | | **ZMD** | | | | U63716 (01A) | U63764 (01A) | U637256 (01A) |  |  | | --- | |  | |  |