

BP MICROSYSTEMS

[illegible]

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1128	EP-1140	EP-1132	EP-1
AMD															
1736	8	20	8				✓	✓	✓	28A		40A			
1765	8	20	8				✓	✓	✓	28A		40A			
8751H	40	44	-	-	-		✓	✓	✓			✓			
8753H	40	44	-	-	-		✓	✓	✓			✓			
87C51	40	44	-	-	-		✓	✓	✓			✓			
87C521	40	44	-	-	-		✓	✓	✓			✓			
87C52T2	40	44	-	-	-		✓	✓	✓			✓			
87C541	40	44	-	-	-		✓	✓	✓			✓			
Am27128	28	32	28				✓	✓	✓			✓			
Am27128A	28	32	28				✓	✓	✓			✓			
Am2716	24	32	24				✓	✓	✓			✓			
Am2716B	24	32	24				✓	✓	✓			✓			
Am27256	28	32	28				✓	✓	✓			✓			
Am2732	24	32	24				✓	✓	✓			✓			
Am2732A	24	32	24				✓	✓	✓			✓			
Am2732B	24	32	24				✓	✓	✓			✓			
Am27512	28	32	28				✓	✓	✓			✓			
Am2764	26	32	28				✓	✓	✓			✓			
Am2764A	28	32	28				✓	✓	✓			✓			
Am27C010	32	32	32		32		✓	✓	✓			✓			
Am27C020	32	32	-	-	-		✓	✓	✓			✓			
Am27C040	32	32	32		32		✓	✓	✓			✓			
Am27C100	32	32	32		-		✓	✓	✓			✓			
Am27C1024	40	44	40		-		✓	✓	✓			✓			
Am27C128	28	32	28		-		✓	✓	✓			✓			
Am27C191	24	28	24		-		✓	✓	✓			✓			
Am27C2048	40	44	40		-		✓	✓	✓			✓			
Am27C256	28	32	28		32		✓	✓	✓			✓			
Am27C291	24	28	24		-		✓	✓	✓			✓			
Am27C400	40	44	40		-		✓	✓	✓			✓			
Am27C400	40	-	-	-	-		✓	✓	✓			✓			
Am27C4096	40	44	40		-		✓	✓	✓			✓			
Am27C512	28	32	28		-		✓	✓	✓			✓			
Am27C64	28	32	28		-		✓	✓	✓			✓			
Am27H010	32	32	32		-		✓	✓	✓			✓			
Am27H256	28	32	28		-		✓	✓	✓			✓			
Am27HB010	32	32	32		-		✓	✓	✓			✓			
Am27LS19	16	20	16		-		✓	✓	✓			✓			
Am27LS191	24	28	24		-		✓	✓	✓			✓			
Am27LS191 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27LS291	24	28	24		-		✓	✓	✓			✓			
Am27LS291 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27LV010	32	32	32		32		✓	✓	✓			✓			
Am27LV010B	32	32	32		32		✓	✓	✓			✓			
Am27LV020	32	32	-	-	-		✓	✓	✓			✓			
Am27LV020B	32	32	-	-	-		✓	✓	✓			✓			
Am27PS181	24	28	24		-		✓	✓	✓			✓			
Am27PS185	16	28	18		-		✓	✓	✓			✓			
Am27PS190	24	28	24		-		✓	✓	✓			✓			
Am27PS190 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27PS191	24	28	24		-		✓	✓	✓			✓			
Am27PS191 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27PS281	24	28	24		-		✓	✓	✓			✓			
Am27PS281 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27PS291	24	28	24		-		✓	✓	✓			✓			
Am27PS291 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27PS41	20	-	20		-		✓	✓	✓			✓			
Am27S12	16	20	16		-		✓	✓	✓			✓			
Am27S13	16	20	16		-		✓	✓	✓			✓			
Am27S15	24	-	24		-		✓	✓	✓			✓			
Am27S18	16	20	16		-		✓	✓	✓			✓			
Am27S180	24	28	24		-		✓	✓	✓			✓			
Am27S180 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27S181	24	28	24		-		✓	✓	✓			✓			
Am27S181 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27S184	18	28	18		-		✓	✓	✓			✓			
Am27S185	18	28	18		-		✓	✓	✓			✓			
Am27S19	16	20	16		-		✓	✓	✓			✓			
Am27S190	24	28	24		-		✓	✓	✓			✓			
Am27S190 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27S191	24	28	24		-		✓	✓	✓			✓			
Am27S191 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27S20	18	20	16		-		✓	✓	✓			✓			
Am27S21	16	20	16		-		✓	✓	✓			✓			
Am27S23	20	20	20		-		✓	✓	✓			✓			
Am27S25	24	28	24		-		✓	✓	✓			✓			
Am27S27	22	-	22		-		✓	✓	✓			✓			
Am27S28	20	20	20		-		✓	✓	✓			✓			
Am27S280	24	28	24		-		✓	✓	✓			✓			
Am27S280 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27S281	24	28	24		-		✓	✓	✓			✓			
Am27S281 (32-pin PLCC)	-	32	-	-	-		✓	✓	✓			✓			
Am27S29	20	20	20		-		✓	✓	✓			✓			
Am27S290	24	28	24		-		✓	✓	✓			✓			

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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
Am27S290 (32-pin PLCC)	-	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S291	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S291 (32-pin PLCC)	-	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S31	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S31 (32-pin PLCC)	-	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S32	18	20	18	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S33	18	20	18	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S35	24	32	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S37	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S40	20	28	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S41	20	28	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S43	24	32	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S43 (32-pin PLCC)	-	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S45	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S45 (32-pin PLCC)	-	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S45A	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S45SA	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S47	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S47 (32-pin PLCC)	-	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S47A	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S47SA	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S49	24	32	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S49A	24	32	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S49SA	24	32	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S51	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S55	24	-	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S65	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S75	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S85	24	28	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am27S95	28	-	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am2817A	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am2864A	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am2864AE	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am2864B	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am2864BE	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am28C256	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am28F010/F	-	-	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F010/P/J/E	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F010A/F	-	-	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F010A/P/J/E	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F020/F	-	-	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F020/P/J/E	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F020A/F	-	-	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F020A/P/J/E	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F256	32	32	32	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am28F256A	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am28F512	32	32	32	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am28F512A	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am29CEPL154H-33	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL141	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL141-1	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL142	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL144	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL151H-25	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL151H-33	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL152	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL154H-25	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29CPL154H-33	28	28	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am29F010/F	-	-	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am29F010/P/J/E	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am29F016	-	-	-	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F040/F	-	-	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am29F040/P/J/E	32	32	32	-	-	32	✓	✓	✓	✓	✓	✓	✓
Am29F100B	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F100BE	-	-	-	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F100BS	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F100T	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F100TE	-	-	-	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F100TS	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F200B	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F200BE	-	-	-	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F200BS	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F200T	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F200TE	-	-	-	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F200TS	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F400B	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am29F400T	-	-	44	-	-	48	✓	✓	✓	✓	✓	✓	✓
Am9264 CS=H	24	-	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am9264 CS=L	24	-	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am9716D	24	32	24	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am9761H	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Am9864	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16H8	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16H8A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16H8AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
AmPAL16H8B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16H8L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16H8Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16HD8	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16HD8A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16HD8AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16HD8B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16HD8L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16HD8Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8D	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16L8Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16LD8	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16LD8A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16LD8AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16LD8B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16LD8L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16LD8Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4D	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R4Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6D	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R6Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8A	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8AL	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8B	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8D	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL16R8Q	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
AmPAL18P8	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓

Some devices are supported by the head indicated (available from BP Microsystems). †Requires adapter from third party. TVO runs test vectors only; cannot program. SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132	DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
AmPAL20XRP10-40L	24	28	24				✓	✓	✓	✓	✓			PAL16L8D/2	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP10-45	24	28	24				✓	✓	✓	✓	✓			PAL16L8H-10	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP10-45L	24	28	24				✓	✓	✓	✓	✓			PAL16L8H-15	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-20	24	28	24				✓	✓	✓	✓	✓			PAL16R4-4	20	28					✓	✓	✓	✓	✓		
AmPAL20XRP4-25	24	28	24				✓	✓	✓	✓	✓			PAL16R4-5	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-30	24	28	24				✓	✓	✓	✓	✓			PAL16R4-7	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-30L	24	28	24				✓	✓	✓	✓	✓			PAL16R4D/2	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-35	24	28	24				✓	✓	✓	✓	✓			PAL16R4H-10	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-35L	24	28	24				✓	✓	✓	✓	✓			PAL16R4H-15	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-40	24	28	24				✓	✓	✓	✓	✓			PAL16R6-4	20	28					✓	✓	✓	✓	✓		
AmPAL20XRP4-40L	24	28	24				✓	✓	✓	✓	✓			PAL16R6-5	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-45	24	28	24				✓	✓	✓	✓	✓			PAL16R6-7	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP4-45L	24	28	24				✓	✓	✓	✓	✓			PAL16R6D/2	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-20	24	28	24				✓	✓	✓	✓	✓			PAL16R6H-10	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-25	24	28	24				✓	✓	✓	✓	✓			PAL16R6H-15	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-30	24	28	24				✓	✓	✓	✓	✓			PAL16R8-4	20	28					✓	✓	✓	✓	✓		
AmPAL20XRP6-30L	24	28	24				✓	✓	✓	✓	✓			PAL16R8-5	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-35	24	28	24				✓	✓	✓	✓	✓			PAL16R8-7	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-35L	24	28	24				✓	✓	✓	✓	✓			PAL16R8D/2	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-40	24	28	24				✓	✓	✓	✓	✓			PAL16R8H-10	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-40L	24	28	24				✓	✓	✓	✓	✓			PAL16R8H-15	20	20	20				✓	✓	✓	✓	✓		
AmPAL20XRP6-45	24	28	24				✓	✓	✓	✓	✓			PAL20L8-10	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP6-45L	24	28	24				✓	✓	✓	✓	✓			PAL20L8-10/2	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-20	24	28	24				✓	✓	✓	✓	✓			PAL20L8-5	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-25	24	28	24				✓	✓	✓	✓	✓			PAL20L8-7	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-30	24	28	24				✓	✓	✓	✓	✓			PAL20R4-10	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-30L	24	28	24				✓	✓	✓	✓	✓			PAL20R4-10/2	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-35	24	28	24				✓	✓	✓	✓	✓			PAL20R4-5	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-35L	24	28	24				✓	✓	✓	✓	✓			PAL20R4-7	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-40	24	28	24				✓	✓	✓	✓	✓			PAL20R6-10	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-40L	24	28	24				✓	✓	✓	✓	✓			PAL20R6-10/2	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-45	24	28	24				✓	✓	✓	✓	✓			PAL20R6-5	24	28	24				✓	✓	✓	✓	✓		
AmPAL20XRP8-45L	24	28	24				✓	✓	✓	✓	✓			PAL20R6-7	24	28	24				✓	✓	✓	✓	✓		
AmPAL22P10A	24	28	24				✓	✓	✓	✓	✓			PAL20R8-10	24	28	24				✓	✓	✓	✓	✓		
AmPAL22P10AL	24	28	24				✓	✓	✓	✓	✓			PAL20R8-10/2	24	28	24				✓	✓	✓	✓	✓		
AmPAL22P10B	24	28	24				✓	✓	✓	✓	✓			PAL20R8-5	24	28	24				✓	✓	✓	✓	✓		
AmPAL22V10	24	28	24				✓	✓	✓	✓	✓			PAL20R8-7	24	28	24				✓	✓	✓	✓	✓		
AmPAL22V10A	24	28	24				✓	✓	✓	✓	✓			PAL22V10-10	24	28	24				✓	✓	✓	✓	✓		
AmPAL22XP10-20	24	28	24				✓	✓	✓	✓	✓			PAL22V10-15	24	28	24				✓	✓	✓	✓	✓		
AmPAL22XP10-25	24	28	24				✓	✓	✓	✓	✓			PAL22V10-7	24	28	24				✓	✓	✓	✓	✓		
AmPAL22XP10-30	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 10H8	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-30L	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 10L8	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-35	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 10P8	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-35L	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 12H6	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-40	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 12L6	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-40L	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 12P6	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-45	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 14H4	20	20	20				✓	✓	✓	✓	✓		
AmPAL22XP10-45L	24	28	24				✓	✓	✓	✓	✓			PALCE16V8 as 14L4	20	20	20				✓	✓	✓	✓	✓		
AmPAL23S8-20	20		20				✓	✓	✓	✓	✓			PALCE16V8 as 14P4	20	20	20				✓	✓	✓	✓	✓		
AmPAL23S8-25	20		20				✓	✓	✓	✓	✓			PALCE16V8 as 16H2	20	20	20				✓	✓	✓	✓	✓		
AmPAL23S8-27	20		20				✓	✓	✓	✓	✓			PALCE16V8 as 16H8	20	20	20				✓	✓	✓	✓	✓		
AmPAL23S8-30	20		20				✓	✓	✓	✓	✓			PALCE16V8 as 16L2	20	20	20				✓	✓	✓	✓	✓		
MACH110	44						✓	28C+	28C	28C				PALCE16V8 as 16L8	20	20	20				✓	✓	✓	✓	✓		
MACH111	44						✓	28C+	28C	28C				PALCE16V8 as 16P2	20	20	20				✓	✓	✓	✓	✓		
MACH120-15	68						✓	28F+	28F	28F				PALCE16V8 as 16P8	20	20	20				✓	✓	✓	✓	✓		
MACH120-20	68						✓	28F+	28F	28F				PALCE16V8 as 16R4	20	20	20				✓	✓	✓	✓	✓		
MACH130-15	84						✓	28E+	28E	28E				PALCE16V8 as 16R6	20	20	20				✓	✓	✓	✓	✓		
MACH130-20	84						✓	28E+	28E	28E				PALCE16V8 as 16R8	20	20	20				✓	✓	✓	✓	✓		
MACH131-7	84						✓	28E+	28E	28E				PALCE16V8 as 16RP4	20	20	20				✓	✓	✓	✓	✓		
MACH210-12	44						✓	28C+	28C	28C				PALCE16V8 as 16RP6	20	20	20				✓	✓	✓	✓	✓		
MACH210-15	44						✓	28C+	28C	28C				PALCE16V8 as 16RP8	20	20	20				✓	✓	✓	✓	✓		
MACH210-20	44						✓	28C+	28C	28C				PALCE16V8H-10	20	20	20				✓	✓	✓	✓	✓		
MACH210A-10	44						✓	28C+	28C	28C				PALCE16V8H-15	20	20	20				✓	✓	✓	✓	✓		
MACH210AQ-15	44						✓	28C+	28C	28C				PALCE16V8H-25	20	20	20				✓	✓	✓	✓	✓		
MACH210AQ-20	44						✓	28C+	28C	28C				PALCE16V8H-20E4	20	20	20				✓	✓	✓	✓	✓		
MACH211	44						✓	28C+	28C	28C				PALCE16V8H-5/5	20	20	20				✓	✓	✓	✓	✓		
MACH215-12	44						✓	28C+	28C	28C				PALCE16V8H-7/5	20	20	20				✓	✓	✓	✓	✓		
MACH215-15	44						✓	28C+	28C	28C				PALCE16V8H/4	20	20	20				✓	✓	✓	✓	✓		
MACH215-20	44						✓	28C+	28C	28C				PALCE16V8HD-10	24	28	24				✓	✓	✓	✓	✓		
MACH220-15	68						✓	28F+	28F	28F				PALCE16V8HD-15	24	28	24				✓	✓	✓	✓	✓		
MACH220-20	68																										

Device List V3.08

May 15, 1995



DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1140	EP-1132	EP-1
PALCE16V8HD as 16P8	24	28	24										
PALCE16V8HD as 16R4	24	28	24										
PALCE16V8HD as 16R6	24	28	24										
PALCE16V8HD as 16R8	24	28	24										
PALCE16V8HD as 16RP4	24	28	24										
PALCE16V8HD as 16RP6	24	28	24										
PALCE16V8HD as 16RP8	24	28	24										
PALCE16V8Q	20	20	20										
PALCE16V8Q-10/5	20	20	20										
PALCE16V8Q-25/4	20	20	20										
PALCE16V8Q-15/4	20	20	20										
PALCE16V8Z-25/4	20	20	20										
PALCE16V8Z-15/5	20	20	20										
PALCE20RA10H-15	24	28	24										
PALCE20RA10H-20	24	28	24										
PALCE20RA10H-25	24	28	24										
PALCE20RA10H-7/5	24	28	24										
PALCE20RA10Q-15/4	24	28	24										
PALCE20RA10Q-25/4	24	28	24										
PALCE20V8 as 14H8	24	28	24										
PALCE20V8 as 14L8	24	28	24										
PALCE20V8 as 14P8	24	28	24										
PALCE20V8 as 16H6	24	28	24										
PALCE20V8 as 16L6	24	28	24										
PALCE20V8 as 16P6	24	28	24										
PALCE20V8 as 18H4	24	28	24										
PALCE20V8 as 18L4	24	28	24										
PALCE20V8 as 18P4	24	28	24										
PALCE20V8 as 20H2	24	28	24										
PALCE20V8 as 20H8	24	28	24										
PALCE20V8 as 20L2	24	28	24										
PALCE20V8 as 20L8	24	28	24										
PALCE20V8 as 20P2	24	28	24										
PALCE20V8 as 20P8	24	28	24										
PALCE20V8 as 20R4	24	28	24										
PALCE20V8 as 20R6	24	28	24										
PALCE20V8 as 20R8	24	28	24										
PALCE20V8 as 20RP4	24	28	24										
PALCE20V8 as 20RP6	24	28	24										
PALCE20V8 as 20RP8	24	28	24										
PALCE20V8H-10/4	24	28	24										
PALCE20V8H-15/4	24	28	24										
PALCE20V8H-25/4	24	28	24										
PALCE20V8H-25	24	28	24										
PALCE20V8H-15	24	28	24										
PALCE20V8H-5/5	24	28	24										
PALCE20V8H-7/5	24	28	24										
PALCE20V8Q-10/5	24	28	24										
PALCE20V8Q-15/4	24	28	24										
PALCE20V8Q-25/4	24	28	24										
PALCE20V8Q-25	24	28	24										
PALCE20V8Q-7/5	24	28	24										
PALCE22V10H-10/5	24	28	24										
PALCE22V10H-15	24	28	24										
PALCE22V10H-25	24	28	24										
PALCE22V10H-15/4	24	28	24										
PALCE22V10H-25/4	24	28	24										
PALCE22V10H-5/5	24	28	24										
PALCE22V10H-7/5	24	28	24										
PALCE22V10Q-10/5	24	28	24										
PALCE22V10Q-15/5	24	28	24										
PALCE22V10Q-15	24	28	24										
PALCE22V10Q-25	24	28	24										
PALCE22V10Q-25/4	24	28	24										
PALCE22V10Z-15	24	28	24										
PALCE22V10Z-25	24	28	24										
PALCE24V10H-15	28	28	28										
PALCE24V10H-25	28	28	28										
PALCE26V12H-15	28	28	28										
PALCE26V12H-20	28	28	28										
PALCE26V12H-25	28	28	28										
PALCE26V12H-25	28	28	28										
PALCE29M16H-25	24	28	24										
PALCE29M16H-35	24	28	24										
PALCE29M16H-4	24	28	24										
PALCE29MA16H-25	24	28	24										
PALCE29MA16H-35	24	28	24										
PALCE29MA16H-4	24	28	24										
PALCE610H-15	24	28	24										
PALCE610H-25	24	28	24										
PALLV16V8-10/5	20	20	20										
PALLV16V8Z-25/5	20	20	20										
PALLV16V8Z-30/4	20	20	20										

DEVICE

PALLV22V10
PALLV22V10Z-25

AMI(GOULD)

PA7024
PA7024 PLCC
PEEL153-30
PEEL153-35
PEEL173-30
PEEL173-35
PEEL18CV8-10
PEEL18CV8-15
PEEL18CV8-20
PEEL18CV8-25
PEEL18CV8-30
PEEL18CV8-35
PEEL20CG10-20
PEEL20CG10-25
PEEL20CG10-35
PEEL22CV10-20
PEEL22CV10-25
PEEL22CV10-35
PEEL22CV10A-10
PEEL22CV10A-12
PEEL22CV10A-15
PEEL22CV10A(ext)-10
PEEL22CV10A(ext)-12
PEEL22CV10A(ext)-15
PEEL22CV10Z-25
PEEL22CV10Z-35
PEEL253-30
PEEL253-35
PEEL273-30
PEEL273-35

Atmel

AT18V8Z-25
AT22LV10-20
AT22LV10-25
AT22LV10-30
AT22LV10L-20
AT22LV10L-25
AT22LV10L-30
AT22LV10L-35
AT22V10-15
AT22V10-25
AT22V10-30
AT22V10-35
AT22V10-40
AT22V10B-10
AT22V10B-7
AT22V10L-15
AT22V10L-25
AT22V10L-30
AT22V10L-35
AT22V10L-40
AT24C02
AT24C04
AT24C08
AT24C32
AT27C010
AT27C010L
AT27C011
AT27C020
AT27C040
AT27C080
AT27C1024
AT27C1024L
AT27C128
AT27C256
AT27C256R
AT27C4096
AT27C512
AT27C512R
AT27C513
AT27C513R
AT27C515
AT27C516
AT27HC1024
AT27HC256
AT27HC256L
AT27HC256R
AT27HC256RL
AT27HC64

Some devices are supported by the head indicated (available from BP Microsystems). †Requires adapter from third party. TVO runs test vectors only: cannot program.
SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055
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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
AT27HC641	24	28					✓	✓	✓	✓	✓	✓	✓
AT27HC641R	24	28					✓	✓	✓	✓	✓	✓	✓
AT27HC642	24	28					✓	✓	✓	✓	✓	✓	✓
AT27HC642R	24	28					✓	✓	✓	✓	✓	✓	✓
AT27HC64L	28	32					✓	✓	✓	✓	✓	✓	✓
AT27LV010	32	32					✓	✓	✓	✓	✓	✓	✓
AT27LV040	32	32					✓	✓	✓	✓	✓	✓	✓
AT27LV1024	40	44					✓	✓	✓	✓	✓	✓	✓
AT27LV256R	28	32					✓	✓	✓	✓	✓	✓	✓
AT27LV512R	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C010	32	44					✓	✓	✓	✓	✓	✓	✓
AT28C010JC	32	32					✓	✓	✓	✓	✓	✓	✓
AT28C04	24	32					✓	✓	✓	✓	✓	✓	✓
AT28C04E	24	32					✓	✓	✓	✓	✓	✓	✓
AT28C04F	24	32					✓	✓	✓	✓	✓	✓	✓
AT28C1024	40	44					✓	✓	✓	✓	✓	✓	✓
AT28C16	24	32					✓	✓	✓	✓	✓	✓	✓
AT28C16E	24	32					✓	✓	✓	✓	✓	✓	✓
AT28C16F	24	32					✓	✓	✓	✓	✓	✓	✓
AT28C17	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C17E	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C17F	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C256	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C256E	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C256F	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C64	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C64B	28	32	28		28		✓	✓	✓	✓	✓	✓	✓
AT28C64E	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C64F	28	32					✓	✓	✓	✓	✓	✓	✓
AT28C64X	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC16	24						✓	✓	✓	✓	✓	✓	✓
AT28HC16L	24						✓	✓	✓	✓	✓	✓	✓
AT28HC191	24						✓	✓	✓	✓	✓	✓	✓
AT28HC191L	24						✓	✓	✓	✓	✓	✓	✓
AT28HC256	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC256E	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC256F	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC256L	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC256LE	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC291	24	28					✓	✓	✓	✓	✓	✓	✓
AT28HC291L	24	28					✓	✓	✓	✓	✓	✓	✓
AT28HC64	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC64B	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC64E	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC64L	28	32					✓	✓	✓	✓	✓	✓	✓
AT28HC64LE	28	32					✓	✓	✓	✓	✓	✓	✓
AT28LV256	28	32					✓	✓	✓	✓	✓	✓	✓
AT28LV64	28	32					✓	✓	✓	✓	✓	✓	✓
AT28LV64B	28	32					✓	✓	✓	✓	✓	✓	✓
AT28MC010	32						✓	✓	✓	✓	✓	✓	✓
AT28PC64	28	32					✓	✓	✓	✓	✓	✓	✓
AT28PC64E	28	32					✓	✓	✓	✓	✓	✓	✓
AT29C010	32	32			32		✓	✓	✓	✓	✓	✓	✓
AT29C020	32	32			32		✓	✓	✓	✓	✓	✓	✓
AT29C040	32	32			40		✓	✓	✓	✓	✓	✓	✓
AT29C040A	32	32			40		✓	✓	✓	✓	✓	✓	✓
AT29C1024	44				48		✓	✓	✓	✓	✓	✓	✓
AT29C256	28	32					✓	✓	✓	✓	✓	✓	✓
AT29C257	32	32					✓	✓	✓	✓	✓	✓	✓
AT29C512	32	32			32		✓	✓	✓	✓	✓	✓	✓
AT29LV020	32	32			32		✓	✓	✓	✓	✓	✓	✓
AT29LV256	28	32			26		✓	✓	✓	✓	✓	✓	✓
AT29LV512	32	32			32		✓	✓	✓	✓	✓	✓	✓
AT29LV010	32	32			32		✓	✓	✓	✓	✓	✓	✓
AT32C16	40	44					✓	✓	✓	✓	✓	✓	✓
AT89C1051	20		20				✓	✓	✓	✓	✓	✓	✓
AT89C2051	20		20				✓	✓	✓	✓	✓	✓	✓
AT89C51	40	44			44		✓	✓	✓	✓	✓	✓	✓
AT89C52	40	44			44		✓	✓	✓	✓	✓	✓	✓
AT93C46P	8						✓	✓	✓	✓	✓	✓	✓
AT93C46P(x8)	8						✓	✓	✓	✓	✓	✓	✓
ATF16V8B/L	20	20					✓	✓	✓	✓	✓	✓	✓
ATF20V8B/L	24	28					✓	✓	✓	✓	✓	✓	✓
ATF22V10B/L	24	28					✓	✓	✓	✓	✓	✓	✓
ATH3000		68					✓	✓	✓	✓	✓	✓	✓
ATV2500-25	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500-35	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500-40	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500-45	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500B	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500BL	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500BQL	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500H-25	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500H-35	40	44					✓	✓	✓	✓	✓	✓	✓
ATV2500H-40	40	44					✓	✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
ATV2500H-45	40	44	-	-	-	-	✓	✓	†	†	-	-	-
ATV2500L-25	40	44	-	-	-	-	✓	✓	†	†	-	-	-
ATV2500L-35	40	44	-	-	-	-	✓	✓	†	†	-	-	-
ATV2500L-40	40	44	-	-	-	-	✓	✓	†	†	-	-	-
ATV2500L-45	40	44	-	-	-	-	✓	✓	†	†	-	-	-
ATV5000	-	68	-	-	-	-	✓	✓	-	-	-	-	-
ATV750-30	24	28	-	-	-	-	-	✓	✓	✓	-	-	-
ATV750-35	24	28	-	-	-	-	-	✓	✓	✓	-	-	-
ATV750-40	24	28	-	-	-	-	-	✓	✓	✓	-	-	-
ATV750B	24	28	-	-	-	-	-	✓	✓	✓	-	-	-
AT&T Microelectronics													
ATT17128	8	-	-	-	-	-	✓	✓	28A	-	40A	-	-
ATT17128A	8	20	8	-	-	-	✓	✓	28A	-	40A	-	-
ATT17128F	8	-	-	-	-	-	✓	✓	28A	-	40A	-	-
ATT1736	8	-	-	-	-	-	✓	✓	28A	-	40A	-	-
ATT1736A	8	20	8	-	-	-	✓	✓	28A	-	40A	-	-
ATT1736F	8	-	-	-	-	-	✓	✓	28A	-	40A	-	-
ATT1765	8	-	-	-	-	-	✓	✓	28A	-	40A	-	-
ATT1765A	8	20	8	-	-	-	✓	✓	28A	-	40A	-	-
ATT1765F	8	-	-	-	-	-	✓	✓	28A	-	40A	-	-
Benchmark													
bq2001	24	-	-	-	-	-	✓	✓	-	†	†	-	-
bq4010	28	-	-	-	-	-	✓	✓	✓	-	-	-	-
bq4010Y	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
bq4011	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
bq4011Y	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
bq4013	32	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
bq4013Y	32	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
bq4014	32	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
bq4014Y	32	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
bq4015	32	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
bq4015Y	32	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
bq4024	40	-	-	-	-	-	✓	✓	✓	-	-	-	-
bq4024Y	40	-	-	-	-	-	✓	✓	✓	-	-	-	-
bq4025	40	-	-	-	-	-	✓	✓	✓	-	-	-	-
bq4025Y	40	-	-	-	-	-	✓	✓	✓	-	-	-	-
Bowmar/White													
8014	24	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
8020	28	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
8023	28	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
8090	56	-	-	-	-	-	✓	✓	✓	-	-	-	-
C8-P31	40	-	-	-	-	-	✓	✓	✓	-	✓	-	-
C8-P31F-64	40	-	-	-	-	-	✓	✓	✓	-	-	-	-
Catalyst													
CAT22C10	16	-	-	-	-	-	✓	✓	✓	†	-	-	-
CAT22C12	18	-	-	-	-	-	✓	✓	✓	†	-	-	-
CAT24C02	8	-	8	-	-	-	✓	✓	✓	-	-	-	-
CAT24C04	8	-	14	-	-	-	✓	✓	✓	-	✓	✓	-
CAT24C08	8	-	14	-	-	-	✓	✓	✓	-	✓	✓	-
CAT24C16	8	-	14	-	-	-	✓	✓	✓	-	✓	✓	-
CAT24C44	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT27010	32	-	-	-	-	-	✓	✓	✓	-	-	-	-
CAT27128A	28	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT27256	28	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT27512	28	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT2764A	28	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT27C210	40	44	-	-	-	-	✓	✓	✓	-	-	-	-
CAT27HC256	28	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT28C16A	24	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT28C17A	28	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT28C256	28	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT28C64A	28	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT28C64B/T	28	32	-	-	-	32	✓	✓	✓	-	✓	✓	✓
CAT28C65A	28	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT28F010	32	32	-	-	-	-	✓	✓	✓	-	✓	✓	✓
CAT33C101	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT33C104	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT33C116	8	-	8	-	-	-	✓	✓	✓	28A	-	✓	-
CAT33C704	8	-	16	-	-	-	✓	✓	✓	-	✓	✓	-
CAT35C102	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT35C104	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT35C116	8	-	8	-	-	-	✓	✓	✓	28A	-	✓	-
CAT35C202	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT35C704	8	-	16	-	-	-	✓	✓	✓	-	-	-	-
CAT35C804	8	-	16	-	-	-	✓	✓	✓	-	-	-	-
CAT59C11	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT64LC10	8	-	8	-	-	-	✓	✓	✓	28A	-	-	-
CAT93C46(x16)	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT93C46(x8)	8	-	-	-	-	-	✓	✓	✓	28A	40A	-	-
CAT93C56	8	-	8	-	-	-	✓	✓	✓	-	-	-	-

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1128	EP-1140	EP-1132	DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
CAT93C56(x8)	8	8					✓	✓	✓	✓	✓	✓	✓	CY7C330-66	28	28					✓	✓	✓	28D	28D		
Cypress														CY7C331-20	28	28					✓	✓	✓	28D	28D		
CY100E301-4	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C331-25	28	28					✓	✓	✓	28D	28D		
CY100E301L-6	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C331-30	28	28					✓	✓	✓	28D	28D		
CY100E302-3	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C331-35	28	28					✓	✓	✓	28D	28D		
CY100E302-4	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C331-40	28	28					✓	✓	✓	28D	28D		
CY100E302L-4	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C332-15	28	28					✓	✓	✓	28D	28D		
CY10E301-4	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C332-20	28	28					✓	✓	✓	28D	28D		
CY10E301-5	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C332-25	28	28					✓	✓	✓	28D	28D		
CY10E301L-6	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C332-30	28	28					✓	✓	✓	28D	28D		
CY10E302-3	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C335-15	28	28					✓	✓	✓	28D	28D		
CY10E302-4	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C335-20	28	28					✓	✓	✓	28D	28D		
CY10E302L-4	24	28					✓	✓	✓	✓	✓	✓	✓	CY7C335-25	28	28					✓	✓	✓	28D	28D		
CY27C128	28	32					✓	✓	✓	✓	✓	✓	✓	CY7C335-30	28	28					✓	✓	✓	28D	28D		
CY27C256	28	32					✓	✓	✓	✓	✓	✓	✓	CY7C341	84	84											
CY27H010	32	32			32		✓	✓	✓	✓	✓	✓	✓	CY7C341(QFP)					100								
CY7B210	40	44					✓	✓	✓	✓	✓	✓	✓	CY7C342	68	68					✓	✓	✓				
CY7B333B-10	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C343	44						✓	✓	✓				
CY7B333B-12	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C344	28	28	28						✓	✓			
CY7B333B-15	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C344(DIP)	28	28							✓	✓			
CY7B336-10	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C344(PLCC)	28	28	28										
CY7B336-12	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C346G					100								
CY7B336-6	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C346J L HC	84						✓	✓	✓	28D	28D		
CY7B336-7	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C361-100	28	28					✓	✓	✓	28D	28D		
CY7B336-8	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C361-125	28	28					✓	✓	✓	28D	28D		
CY7B337-10	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C361-66	28	28					✓	✓	✓	28D	28D		
CY7B337-12	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C361-83	28	28					✓	✓	✓	28D	28D		
CY7B337-7	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C371	44												
CY7B337-8	28	28					✓	✓	✓	✓	✓	✓	✓	CY7C374	84												
CY7B337-9	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16L8-4	28						✓	✓	✓	28p28p23			
CY7B338-10	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16L8-5	20	20					✓	✓	✓	✓	✓		
CY7B338-12	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16L8-7	20	20					✓	✓	✓	✓	✓		
CY7B338-6	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16F4-5	20	20					✓	✓	✓	✓	✓		
CY7B338-7	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16F4-7	20	20					✓	✓	✓	✓	✓		
CY7B338-8	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16R6-5	20	20					✓	✓	✓	✓	✓		
CY7B339-10	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16R6-7	20	20					✓	✓	✓	✓	✓		
CY7B339-12	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16R8-5	20	20					✓	✓	✓	✓	✓		
CY7B339-7	28	28					✓	✓	✓	✓	✓	✓	✓	PAL16R8-7	20	20					✓	✓	✓	✓	✓		
CY7B339-8	28	28					✓	✓	✓	✓	✓	✓	✓	PAL20G10C-10	24	28					✓	✓	✓	✓	✓		
CY7B339-9	28	28					✓	✓	✓	✓	✓	✓	✓	PAL20G10C-12	24	28					✓	✓	✓	✓	✓		
CY7C225	24	28					✓	✓	✓	✓	✓	✓	✓	PAL20G10C-15	24	28					✓	✓	✓	✓	✓		
CY7C225A	24	28					✓	✓	✓	✓	✓	✓	✓	PAL20G10C-7	24	28					✓	✓	✓	✓	✓		
CY7C235	24	28					✓	✓	✓	✓	✓	✓	✓	PAL22V10C-10	24	28					✓	✓	✓	✓	✓		
CY7C235A	24	28					✓	✓	✓	✓	✓	✓	✓	PAL22V10C-12	24	28					✓	✓	✓	✓	✓		
CY7C243	24	28					✓	✓	✓	✓	✓	✓	✓	PAL22V10C-15	24	28					✓	✓	✓	✓	✓		
CY7C245	24	28					✓	✓	✓	✓	✓	✓	✓	PAL22V10C-7	24	28					✓	✓	✓	✓	✓		
CY7C245A	24	28					✓	✓	✓	✓	✓	✓	✓	PAL22VP10C-10	24	28					✓	✓	✓	✓	✓		
CY7C251	28	32					✓	✓	✓	✓	✓	✓	✓	PAL22VP10C-12	24	28					✓	✓	✓	✓	✓		
CY7C253	28	32					✓	✓	✓	✓	✓	✓	✓	PAL22VP10C-15	24	28					✓	✓	✓	✓	✓		
CY7C254	28	32					✓	✓	✓	✓	✓	✓	✓	PAL22VP10C-7	24	28					✓	✓	✓	✓	✓		
CY7C258 (PLD)	28	28					✓	✓	✓	✓	✓	✓	✓	PALC16L8-20	20	20					✓	✓	✓	✓	✓		
CY7C258 (PROM)	28	28					✓	✓	✓	✓	✓	✓	✓	PALC16L8-25	20	20					✓	✓	✓	✓	✓		
CY7C259 (PLD)	44						✓	✓	✓	✓	✓	✓	✓	PALC16L8-30	20	20					✓	✓	✓	✓	✓		
CY7C259 (PROM)	44						✓	✓	✓	✓	✓	✓	✓	PALC16L8-35	20	20					✓	✓	✓	✓	✓		
CY7C261	24	28					✓	✓	✓	✓	✓	✓	✓	PALC16L8-40	20	20					✓	✓	✓	✓	✓		
CY7C263	24	28					✓	✓	✓	✓	✓	✓	✓	PALC16L8L-25	20	20					✓	✓	✓	✓	✓		
CY7C264	24	28					✓	✓	✓	✓	✓	✓	✓	PALC16L8L-35	20	20					✓	✓	✓	✓	✓		
CY7C265	28	28					✓	✓	✓	✓	✓	✓	✓	PALC16R4-20	20	20					✓	✓	✓	✓	✓		
CY7C266	28	28					✓	✓	✓	✓	✓	✓	✓	PALC16R4-25	20	20					✓	✓	✓	✓	✓		
CY7C268	32	32					✓	✓	✓	✓	✓	✓	✓	PALC16R4-30	20	20					✓	✓	✓	✓	✓		
CY7C269	28	28					✓	✓	✓	✓	✓	✓	✓	PALC16R4-35	20	20					✓	✓	✓	✓	✓		
CY7C270	44						✓	✓	✓	✓	✓	✓	✓	PALC16R4-40	20	20					✓	✓	✓	✓	✓		
CY7C271	28	32					✓	✓	✓	✓	✓	✓	✓	PALC16R4L-25	20	20					✓	✓	✓	✓	✓		
CY7C274	28	32					✓	✓	✓	✓	✓	✓	✓	PALC16R4L-35	20	20					✓	✓	✓	✓	✓		
CY7C276	44						✓	✓	✓	✓	✓	✓	✓	PALC16R6-20	20	20					✓	✓	✓	✓	✓		
CY7C277	28	32					✓	✓	✓	✓	✓	✓	✓	PALC16R6-25	20	20					✓	✓	✓	✓	✓		
CY7C279	28	32					✓	✓	✓	✓	✓	✓	✓	PALC16R6-30	20	20					✓	✓	✓	✓	✓		
CY7C281	24	28					✓	✓	✓	✓	✓	✓	✓	PALC16R6-35	20	20					✓	✓	✓	✓	✓		
CY7C281A	24	28					✓	✓	✓	✓	✓	✓	✓	PALC16R6-40	20	20					✓	✓	✓	✓	✓		
CY7C282	24	28					✓	✓	✓	✓	✓	✓	✓	PALC16R6L-25	20	20					✓	✓	✓	✓			

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1140	EP-1132	EP-1
PALC22V10B-25	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PALC22V10D-10	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PALC22V10D-15	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PALC22V10D-7	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PALC22V10L-25	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PALC22V10L-35	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLD610	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC18G8-12	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC18G8-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10-20	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10-30	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10-35	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10-40	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10B-15	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10B-20	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20G10B-25	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20RA10-20	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20RA10-25	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20RA10-30	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PLDC20RA10-35	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

Dallas Semiconductor

DS1220AB	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1220AD	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1220Y	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1225AB	26	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1225AD	26	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1225Y	26	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1230AB	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1230Y	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1235AB	26	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1235Y	26	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1245AB	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1245EE	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1245Y	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1287	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1386-32	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1386-8	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1387	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1397	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1486	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1587	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1620	8	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1630AB	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1630Y	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1642	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1643	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1644	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1645AB	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1645EE	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1645Y	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1650AB	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1650Y	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1730AB	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1730Y	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1745AB	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1745Y	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1750AB	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS1750Y	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS2502	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS5000 (32K)	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS5000 (8K)	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DS87C520	40	44	-	-	44	-	✓	✓	✓	✓	✓	✓	✓
DS87C530	-	52	-	-	52	-	✓	✓	✓	✓	✓	✓	✓

Delco Electronics

1618-3765-INT	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
1618-3765-NAT	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
1618-3765-TI	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

Dense-Pac

DPV27C101	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DPV27C256	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DPV27C512	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

Electronic Arrays

EA2716	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
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EXEL

XLE28C16A	24	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLE28C64	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLE78C800P-35	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLE78C800P-45	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

DEVICE

DIP

PLCC

SOIC

PGA

QFP

TSOP

BP-2100

BP-1200

BP-1148

PLD-1128

EP-1140

EP-1132

EP-1

XLE78C800S-35	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLE78C800S-45	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLM28C16A	24	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLN46C15	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLN46C16	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLN46P15	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLN46P16	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLM78C800S-45	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS2804A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS2816A	24	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS2817A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS2864A	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS2865A	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS28C16A	24	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS28C64	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS28C64B	28	32	28	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS46C15	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS46C16	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS46P15	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS46P16	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS78C800P-35	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS78C800P-45	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS78C800S-35	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS78C800S-45	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS93C46	6	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS93C56	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS93C66	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS93CS46	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS93LC06	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓
XLS93LC66	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓

Fujitsu

MB7111E/H/L	16	20	16	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7112E/H/Y/L	16	20	16	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7113E/H/L	16	20	16	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7114E/H/L	16	20	16	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7115E/H	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7116E/H/L	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7117E/H/L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓
MB7118E/H/L	20	20	20	-	-	-	✓	✓	✓	✓	✓	✓	✓

Device List V3.08

May 15, 1995



DEVICE

DIP
PLCC
SOIC
PGA
QFP
TSOP

BP-2100
BP-1200
BP-1148
CP-1128
PLD-1128
EP-1140
EP-1132
EP-1

MBM27C1001 32 32
MBM27C1001 (36 pin LCC) 36
MBM27C1024 40 44
MBM27C1028 28
MBM27C128 28 32
MBM27C128P 28 32
MBM27C256 28 32
MBM27C256A 28 32
MBM27C256A-#-W 28 32
MBM27C256AP 28 32
MBM27C256H 28 32
MBM27C4096 40
MBM27C512 28 32
MBM27C512P 28 32
MBM27C64 28
MBM28C64 28
MBM28C65 28

General Instrument

27256 28
27C128 28 32
27C256 28 32
27C512 (12.5V) 28
27C512 (12.75V) 28
27C513 28 32
27C64 24
27HC191 24
27HC291 24
27HC64 28
27HC641 24
27HC641L 24
27HC64L 28
28C04 24
28C04F 24
28C16 24
28C16F 28
28C17 28
28C17F 28
28C64 28
28C64A 28
28C64AX 28
28CP256 28
28CP256A 28
28CP256B 28

Generic

27128(21V) 28
27128A (12.5V) 28
2716 (25V) 24
27256(12.5V) 28
2732 (25V) 24
2732A(21V) 24
2732B(12.5V) 28
27512(12.5V) 28
27512(21V) 28
2764 (21V) 28
2764A(12.5V) 28
27C128 (12.5V) 28
27C128 (21V) 28
27C16(25V) 24
27C256 (12.5V) 28
27C32(25V) 24
27C512 (12.5V) 28
27C64(12.5V) 28
27C64(21V) 28

Greenwich

GR27128 28
GR27256 28
GR27512 28
GR27513 28
GR2764 24
GR281 28
GR3281 28
GR881 28

Harris

HM-6617 24 32
HM-6617B 24 32
HM-6617RH 24 32
HM-6642 24 28
HM-7649 20
HM-7649A 20
HM-76161 24

DEVICE

DIP
PLCC
SOIC
PGA
QFP
TSOP

BP-2100
BP-1200
BP-1148
CP-1128
PLD-1128
EP-1140
EP-1132
EP-1

HM1-76161A 24
HM1-7681 24
HM1-7681A 24

Hitachi

HD4074329 64
HD63701V0 40
HD637A01V0 40
HD637B01V0 40
HD647180X 64 84
HD6473228 64 88
HD6473238 64 88
HD6473258 64 88
HD6473278 64 88
HD6473298 64 88
HD6473308 64 84
HD6473388 64 88
HD6475208 64 84
HD6475328 64 84
HD6475348 64 84
HN27128AG/AP 28
HN27256G/P 28
HN27512G/P 28
HN27C101AG/AP 32
HN27C101G/P 32
HN27C1024HG 40 44
HN27C256AG/HG 28
HN27C256G/P 28 28
HN27C301G/P 32
HN27C4000G 40
HN27C4000G 40
HN27C4001G 32
HN27C4096G/P 40 44
HN27C512G 28
HN27C64G 32
HN28F101CP 32 32
HN28F101P 32
HN28F101R 32
HN28F101T 32
HN29C101P 24
HN462532G 24
HN462716G 24
HN462732G 24
HN48016P 24
HN4827128G/P 28
HN482732AG 24
HN482764G/P 28
HN482764P/P 28 28
HN58064P/P 32 32
HN58C1001 28
HN58C256P/P 28 28
HN58C65P/P 28
HN58C66P/P 28

Hughes

H3104A 24 24
H3108A 24
H3208 24
H3300 18

Hyundai

HY18CV8-15 20
HY18CV8-20 20
HY18CV8-25 20
HY18CV8-35 20
HY2764 28
HY27C64A 28
HY93C46 8

ICT

27CX010 32
27CX256 28
27CX321 24
27CX322 24
27CX641 24
27CX642 24
93C46 8
93C46A 8
93C56A 8
93C66A 8
93CX46 8
93CX56 8
93CX66 8
PA7024 24 28 24
PA7024 (@14.25V) 24 28 24

Some devices are supported by the head indicated (available from BP Microsystems). †Requires adapter from third party. TVO runs test vectors only; cannot program.
SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
PA7024 PLCC-J	24	28					✓	✓	✓	✓	✓	✓	✓
PA7024 PLCC-J (@14 25v)	24	28					✓	✓	✓	✓	✓	✓	✓
PA7128	28	28					✓	✓	✓	✓	✓	✓	✓
PA7140	40	44					✓	✓	✓	✓	✓	✓	✓
PEEL153-30	20						✓	✓	✓	✓	✓	✓	✓
PEEL153-35	20						✓	✓	✓	✓	✓	✓	✓
PEEL153-40	20						✓	✓	✓	✓	✓	✓	✓
PEEL173-30	24						✓	✓	✓	✓	✓	✓	✓
PEEL173-35	24						✓	✓	✓	✓	✓	✓	✓
PEEL173-40	24						✓	✓	✓	✓	✓	✓	✓
PEEL18CV8-10	20	20					✓	✓	✓	✓	✓	✓	✓
PEEL18CV8-15	20	20					✓	✓	✓	✓	✓	✓	✓
PEEL18CV8-20	20	20					✓	✓	✓	✓	✓	✓	✓
PEEL18CV8-25	20	20					✓	✓	✓	✓	✓	✓	✓
PEEL18CV8-30	20	20					✓	✓	✓	✓	✓	✓	✓
PEEL18CV8-35	20	20					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10-12	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10-15	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10-20	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10-25	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10-35	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10A-12	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10A-15	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10A-20	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10A-25	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL20CG10A-35	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL22CV10-20	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL22CV10-25	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL22CV10-35	24	28					✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A-10	24	26	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A-12	24	26	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A-15	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A-25	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A-7	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A+-10	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A+-12	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A+-15	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A+-25	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10A+-7	24	28	24				✓	✓	✓	✓	✓	✓	✓
PEEL22CV10Z-25	24	26					✓	✓	✓	✓	✓	✓	✓
PEEL22CV10Z-35	24	26					✓	✓	✓	✓	✓	✓	✓
PEEL253-30	20						✓	✓	✓	✓	✓	✓	✓
PEEL253-35	20						✓	✓	✓	✓	✓	✓	✓
PEEL253-40	20						✓	✓	✓	✓	✓	✓	✓
PEEL273-30	24						✓	✓	✓	✓	✓	✓	✓
PEEL273-35	24						✓	✓	✓	✓	✓	✓	✓
PEEL273-40	24						✓	✓	✓	✓	✓	✓	✓
IDT													
IDT78C16A	24	32					✓	✓	✓	✓	✓	✓	✓
IDT78C256A	28	32					✓	✓	✓	✓	✓	✓	✓
IDT78C64A	28	32					✓	✓	✓	✓	✓	✓	✓
IDT78M64	28	32					✓	✓	✓	✓	✓	✓	✓
IDT78M64S	28	32					✓	✓	✓	✓	✓	✓	✓
Intel													
27010	32	32					✓	✓	✓	✓	✓	✓	✓
27011	28						✓	✓	✓	✓	✓	✓	✓
27128	28						✓	✓	✓	✓	✓	✓	✓
27128A	26						✓	✓	✓	✓	✓	✓	✓
27128B	28						✓	✓	✓	✓	✓	✓	✓
2716	24						✓	✓	✓	✓	✓	✓	✓
27210	40						✓	✓	✓	✓	✓	✓	✓
27256	28						✓	✓	✓	✓	✓	✓	✓
2732	24						✓	✓	✓	✓	✓	✓	✓
2732A	24						✓	✓	✓	✓	✓	✓	✓
27512	28						✓	✓	✓	✓	✓	✓	✓
27513	28						✓	✓	✓	✓	✓	✓	✓
2758	24						✓	✓	✓	✓	✓	✓	✓
2764	28						✓	✓	✓	✓	✓	✓	✓
2764A	28						✓	✓	✓	✓	✓	✓	✓
27960C1		44					✓	✓	✓	✓	✓	✓	✓
27960C2		44					✓	✓	✓	✓	✓	✓	✓
27960K1		44					✓	✓	✓	✓	✓	✓	✓
27960K2		44					✓	✓	✓	✓	✓	✓	✓
27C010	32	32					✓	✓	✓	✓	✓	✓	✓
27C010A	32	32					✓	✓	✓	✓	✓	✓	✓
27C011	28						✓	✓	✓	✓	✓	✓	✓
27C020	32	32					✓	✓	✓	✓	✓	✓	✓
27C040	32						✓	✓	✓	✓	✓	✓	✓
27C100	32						✓	✓	✓	✓	✓	✓	✓
27C128	28	32					✓	✓	✓	✓	✓	✓	✓
27C202	40	44					✓	✓	✓	✓	✓	✓	✓
27C203 (ASYNCR)	40	44					✓	✓	✓	✓	✓	✓	✓
27C210	40	44					✓	✓	✓	✓	✓	✓	✓
27C213 (ASYNCR)	40	44					✓	✓	✓	✓	✓	✓	✓
27C220	40	44					✓	✓	✓	✓	✓	✓	✓
27C240	40	44					✓	✓	✓	✓	✓	✓	✓
27C256	28	32					✓	✓	✓	✓	✓	✓	✓
27C400	40	44					✓	✓	✓	✓	✓	✓	✓
27C400	40						✓	✓	✓	✓	✓	✓	✓
27C512	28	32					✓	✓	✓	✓	✓	✓	✓
27C513	28						✓	✓	✓	✓	✓	✓	✓
27C64	28	32					✓	✓	✓	✓	✓	✓	✓
27F64	28						✓	✓	✓	✓	✓	✓	✓
2816	24						✓	✓	✓	✓	✓	✓	✓
2816A	24						✓	✓	✓	✓	✓	✓	✓
2817A	28						✓	✓	✓	✓	✓	✓	✓
2864	28						✓	✓	✓	✓	✓	✓	✓
2864A	28						✓	✓	✓	✓	✓	✓	✓
57F64	28						✓	✓	✓	✓	✓	✓	✓
5AC312-25	24						✓	✓	✓	✓	✓	✓	✓
5AC312-30	24						✓	✓	✓	✓	✓	✓	✓
5AC324-25	40	44					✓	✓	✓	✓	✓	✓	✓
5AC324-30	40	44					✓	✓	✓	✓	✓	✓	✓
5AC324-35	40	44					✓	✓	✓	✓	✓	✓	✓
5C031-40	20						✓	✓	✓	✓	✓	✓	✓
5C031-50	20						✓	✓	✓	✓	✓	✓	✓
5C032-30	20						✓	✓	✓	✓	✓	✓	✓
5C032-35	20						✓	✓	✓	✓	✓	✓	✓
5C032-45	20						✓	✓	✓	✓	✓	✓	✓
5C060-45	24	28					✓	✓	✓	✓	✓	✓	✓
5C060-55	24	26					✓	✓	✓	✓	✓	✓	✓
5C090-50	40	44					✓	✓	✓	✓	✓	✓	✓
5C090-60	40	44					✓	✓	✓	✓	✓	✓	✓
5C180-70		68					✓	✓	✓	✓	✓	✓	✓
5C180-75		68					✓	✓	✓	✓			

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
8797BH	-	68	-	68	-	-	✓	✓	-	-	-	-	-
8798	48	-	-	-	-	-	✓	✓	-	-	-	-	-
87C196CA	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C196JQ	-	52	-	-	-	-	✓	✓	-	-	-	-	-
87C196JR	-	52	-	-	-	-	✓	✓	-	-	-	-	-
87C196KB	-	68	-	-	80	-	✓	✓	-	-	-	-	-
87C196KC	-	68	-	68	-	-	✓	✓	-	-	-	-	-
87C196KD	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C196KQ	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C196KR	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C196KT	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C196NQ	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C196NT	-	68	-	-	-	-	✓	✓	-	-	-	-	-
87C251SB	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C256	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C257	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C42	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51(FX-core)	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51FA	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51FA(FX-core)	40	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87C51FB	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51FB(FX-core)	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51FC	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C51GB	-	68	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C52	40	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87C54	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C58	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C64	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87C75PF	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
87L51FA	-	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87L51FB	-	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87L51FC	-	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87L52	-	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87L54	-	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
87L58	-	44	-	44	-	-	✓	✓	✓	✓	✓	✓	✓
D28F256-##P1C2	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
D28F256-##P2C2	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
D28F256A	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DD28F032SA	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F001BX-B	-	-	-	-	32	-	✓	✓	✓	✓	✓	✓	✓
E28F001BX-T	-	-	-	-	32	-	✓	✓	✓	✓	✓	✓	✓
E28F002BV-B	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BV-B (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BV-T	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BV-T (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BX-B	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BX-BL	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BX-T	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F002BX-TL	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BV-B	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BV-B (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BV-T	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BV-T (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-B	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-B (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-BL	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-BL (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-T	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-T (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-TL	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F004BX-TL (40)	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F008SA	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F008SA-L	-	-	-	-	40	-	✓	✓	✓	✓	✓	✓	✓
E28F010	-	-	-	-	32	-	✓	✓	✓	✓	✓	✓	✓
E28F016SA	-	-	56	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016SA(1 CHIP ON GPT CARD)	-	-	-	-	72	-	SM	SM	-	-	-	-	-
E28F016SA(2 CHIPS ON GPT CARD)	-	-	-	-	72	-	SM	SM	-	-	-	-	-
E28F016SA(3 CHIPS ON GPT CARD)	-	-	-	-	72	-	SM	SM	-	-	-	-	-
E28F016SA(4 CHIPS ON GPT CARD)	-	-	-	-	72	-	SM	SM	-	-	-	-	-
E28F016SA(to 40DIP)	-	-	56	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016SA(to 44DIP)	-	-	56	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016SV	-	-	56	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016SV(to 40DIP)	-	-	56	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016SV(to 44DIP)	-	-	56	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016XD	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F016XS	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F020	-	-	-	-	32	-	✓	✓	✓	✓	✓	✓	✓
E28F200BV-B	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F200BV-B (002)	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F200BV-B (40)	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F200BV-B (40b)	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F200BV-B (44b)	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓
E28F200BV-B (b)	-	-	-	-	56	-	✓	✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1128	EP-1140	EP-1132
E28F200BV-T	-	-	-	-	56	-	✓	✓	-	-	-	-	-	-
E28F200BV-T (002)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F200BV-T (40)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F200BV-T (40b)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F200BV-T (44)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F200BV-T (44b)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F200BV-T (b)	-	-	-	-	56	-	✓	✓	-	-	-	-	-	-
E28F200BX-B	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F200BX-T	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F200CV-B	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F200CV-B (002)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F200CV-B (40)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F200CV-B (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F200CV-B (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F200CV-B (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F200CV-B (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F200CV-T	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F200CV-T (002)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F200CV-T (40)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F200CV-T (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F200CV-T (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F200CV-T (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F200CV-T (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400BV-B	-	-	-	-	56	-	✓	✓	-	-	-	-	-	-
E28F400BV-B (004)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BV-B (40)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BV-B (40b)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BV-B (44)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F400BV-B (44b)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F400BV-B (b)	-	-	-	-	56	-	✓	✓	-	-	-	-	-	-
E28F400BV-T	-	-	-	-	56	-	✓	✓	-	-	-	-	-	-
E28F400BV-T (004)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BV-T (40)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BV-T (40b)	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BV-T (44)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F400BV-T (44b)	-	-	-	-	56	-	†	†	†	-	-	-	-	-
E28F400BV-T (b)	-	-	-	-	56	-	✓	✓	-	-	-	-	-	-
E28F400BX-B	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400BX-T	-	-	-	-	56	-	†	†	†	-	-	†	-	-
E28F400CR-B	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CR-B (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CR-B (40)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CR-B (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CR-B (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CR-B (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CR-B (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CR-T	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CR-T (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CR-T (40)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CR-T (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CR-T (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CR-T (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CR-T (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CV-B	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CV-B (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CV-B (40)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CV-B (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CV-B (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CV-B (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CV-B (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CV-T	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CV-T (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CV-T (40)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CV-T (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CV-T (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CV-T (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CV-T (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CX-B	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CX-B (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-B (40)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-B (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-B (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CX-B (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CX-B (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CX-BL	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CX-BL (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-BL (40)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CX-BL (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-BL (44)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CX-BL (44b)	-	-	-	-	48	-	†	†	†	-	-	-	-	-
E28F400CX-BL (b)	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CX-T	-	-	-	-	48	-	✓	✓	-	-	-	-	-	-
E28F400CX-T (004)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-T (40)	-	-	-	-	48	-	†	†	†	-	-	†	-	-
E28F400CX-T (40b)	-	-	-	-	48	-	†	†	†	-	-	†	-	-

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1140	EP-1132	EP-1
E28F400CX-T (44)					48		†	†	†				
E28F400CX-T (44b)					48		✓	✓	†				
E28F400CX-T (b)					46		✓	✓	†				
E28F400CX-TL					48		✓	✓	†				
E28F400CX-TL (004)					48		†	†	†		†		
E28F400CX-TL (40)					48		†	†	†		†		
E28F400CX-TL (40b)					48		†	†	†		†		
E28F400CX-TL (44)					48		†	†	†		†		
E28F400CX-TL (44b)					48		†	†	†		†		
E28F400CX-TL (b)					48		†	†	†		†		
F28F008SA					40		✓	✓	†		†		
F28F008SA-L					40		✓	✓	†		†		
F28F010					32		✓	✓	†		†	†	
F28F020					32		✓	✓	†		†	†	
FX730-10	44						✓	✓	†		†		
FX730-12	44						✓	✓	†		†		
FX740 (44-pin)-10	44						✓	✓	†		†		
FX740 (44-pin)-12	44						✓	✓	†		†		
FX740 (44-pin)-15	44						✓	✓	†		†		
FX740 (68-pin)-10	68						✓	✓	†		†		
FX740 (68-pin)-12	68						✓	✓	†		†		
FX740 (68-pin)-15	68						✓	✓	†		†		
FX780 (PLCC)	84						✓	✓	†		†		
FX780 (PLCC)	84						†	†	†	†	†		
FX780 (QFP)					132		†	†	†	†	†		
FX780 (QFP)					132		†	†	†	†	†		
N28F001BX-B	32						✓	✓	†		†		
N28F001BX-T	32						✓	✓	†		†		
N28F010	32						✓	✓	†		†		
N28F020	32						✓	✓	†		†		
N28F256-###P1C2	32						✓	✓	†		†		
N28F256-###P2C2	32						✓	✓	†		†		
N28F256A	32						✓	✓	†		†		
N28F512	32						✓	✓	†		†		
N5AC312-25	28						✓	✓	†		†		
N5AC312-30	28						✓	✓	†		†		
P27128A	28	32					✓	✓	†		†		
P27128B	28	32					✓	✓	†		†		
P27256	28	32					✓	✓	†		†		
P27512	28						✓	✓	†		†		
P27513	28						✓	✓	†		†		
P2764A	28	32					✓	✓	†		†		
P27C128	28	32					✓	✓	†		†		
P27C256	28	32					✓	✓	†		†		
P27C64	28	32					✓	✓	†		†		
P28F001BX-B	32						✓	✓	†		†		
P28F001BX-T	32						✓	✓	†		†		
P28F010	32						✓	✓	†		†		
P28F020	32						✓	✓	†		†		
P28F256-###P1C2	32						✓	✓	†		†		
P28F256-###P2C2	32						✓	✓	†		†		
P28F256A	32						✓	✓	†		†		
P28F512	32						✓	✓	†		†		
P87C64	28	32					✓	✓	†		†		
PA28F008SA		44					✓	✓	†		†		
PA28F008SA-L		44					✓	✓	†		†		
PA28F200BV-B		44					✓	✓	†		†		
PA28F200BV-B (002)		44					†	†	†		†		
PA28F200BV-B (40)		44					†	†	†		†		
PA28F200BV-B (40b)		44					†	†	†		†		
PA28F200BV-B (44)		44					†	†	†		†		
PA28F200BV-B (44b)		44					†	†	†		†		
PA28F200BV-B (b)		44					✓	✓	†		†		
PA28F200BV-T		44					✓	✓	†		†		
PA28F200BV-T (002)		44					†	†	†		†		
PA28F200BV-T (40)		44					†	†	†		†		
PA28F200BV-T (40b)		44					†	†	†		†		
PA28F200BV-T (44)		44					†	†	†		†		
PA28F200BV-T (44b)		44					†	†	†		†		
PA28F200BV-T (b)		44					✓	✓	†		†		
PA28F200BX-B		44					†	†	†		†		
PA28F200BX-T		44					†	†	†		†		
PA28F400BV-B		44					✓	✓	†		†		
PA28F400BV-B (004)		44					†	†	†		†		
PA28F400BV-B (40)		44					†	†	†		†		
PA28F400BV-B (40b)		44					†	†	†		†		
PA28F400BV-B (44)		44					†	†	†		†		
PA28F400BV-B (44b)		44					†	†	†		†		
PA28F400BV-B (b)		44					✓	✓	†		†		
PA28F400BV-T		44					✓	✓	†		†		
PA28F400BV-T (004)		44					†	†	†		†		
PA28F400BV-T (40)		44					†	†	†		†		
PA28F400BV-T (40b)		44					†	†	†		†		
PA28F400BV-T (44)		44					†	†	†		†		
PA28F400BV-T (44b)		44					†	†	†		†		
PA28F400BV-T (b)		44					✓	✓	†		†		
PA28F400CV-B		44					†	†	†		†		
PA28F400CV-B (002)		44					†	†	†		†		
PA28F400CV-B (40)		44					†	†	†		†		
PA28F400CV-B (40b)		44					†	†	†		†		
PA28F400CV-B (44)		44					†	†	†		†		
PA28F400CV-B (44b)		44					†	†	†		†		
PA28F400CV-B (b)		44					✓	✓	†		†		
PA28F400CV-T		44					✓	✓	†		†		
PA28F400CV-T (002)		44					†	†	†		†		
PA28F400CV-T (40)		44					†	†	†		†		
PA28F400CV-T (40b)		44					†	†	†		†		
PA28F400CV-T (44)		44					†	†	†		†		
PA28F400CV-T (44b)		44					†	†	†		†		
PA28F400CV-T (b)		44					✓	✓	†		†		
PA28F400BV-T (44b)		44					†	†	†		†		

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PA28F400BV-T (b)		44					✓	✓					
PA28F400BX-B		44					†	†	†		†		
PA28F400BX-T		44					†	†	†		†		
PLD22V10-10	24	28					✓	✓	✓	✓	✓		
PLD22V10-15	24	28					✓	✓	✓	✓	✓		
PLD22V10-25	24	28					✓	✓	✓	✓	✓		
PLD22V10-7	24	28					✓	✓	✓	✓	✓		
PLD610-12	24	28					✓	✓	✓	✓	✓		
PLD610-15	24	28					✓	✓	✓	✓	✓		
PLD610-25	24	28					✓	✓	✓	✓	✓		
PLD610(PLCC)-12		28					✓	✓	✓	✓	✓		
PLD610(PLCC)-15		28					✓	✓	✓	✓	✓		
PLD610(PLCC)-25		28					✓	✓	✓	✓	✓		
PLD910-15	40						✓	✓	✓	28G	28G		
PLD910-20	40						✓	✓	✓	28G	28G		
PLD910-25	40						✓	✓	✓	28G	28G		
PLD910(PLCC)-15		44					✓	✓	✓	28G	28G	28G	
PLD910(PLCC)-20		44					✓	✓	✓	28G	28G	28G	
PLD910(PLCC)-25		44					✓	✓	✓	28G	28G	28G	
PLDLV22V10-15	24	28					✓	✓	✓	✓	✓		
TB28F200BV-B		44					✓	✓					
TB28F200BV-B (002)		44					†	†	†		†		
TB28F200BV-B (40)		44					†	†	†		†		
TB28F200BV-B (40b)		44					†	†	†		†		
TB28F200BV-B (44)		44					†	†	†		†		
TB28F200BV-B (44b)		44					†	†	†		†		
TB28F200BV-B (b)		44					✓	✓					
TB28F200BV-T		44					✓	✓					
TB28F200BV-T (002)		44					†	†	†		†		
TB28F200BV-T (40)		44					†	†	†		†		
TB28F200BV-T (40b)		44					†	†	†		†		
TB28F200BV-T (44)		44					†	†	†		†		
TB28F200BV-T (44b)		44					†	†	†		†		
TB28F200BV-T (b)		44					✓	✓					
TB28F400BV-B		44					✓	✓					
TB28F400BV-B (004)		44					†	†			†		
TB28F400BV-B (40)		44					†	†	†		†		
TB28F400BV-B (40b)		44					†	†	†		†		
TB28F400BV-B (44)		44					†	†	†		†		
TB28F400BV-B (44b)		44					†	†	†		†		
TB28F400BV-B (b)		44					✓	✓					
TB28F400BV-T		44					✓	✓					
TB28F400BV-T (004)		44					†	†	†		†		
TB28F400BV-T (40)		44					†	†	†		†		
TB28F400BV-T (40b)		44					†	†	†		†		
TB28F400BV-T (44)		44					†	†	†		†		
TB28F400BV-T (44b)		44					†	†	†		†		
TB28F400BV-T (b)		44					✓	✓					
TE28F002BV-B		40					✓	✓					
TE28F002BV-B (40)		40					†	†	†		†		
TE28F002BV-T		40					✓	✓					
TE28F002BV-T (40)		40					†	†	†		†		
TE28F004BV-B		40					✓	✓					
TE28F004BV-B (40)		40					†	†	†		†		
TE28F004BV-T		40					✓	✓					
TE28F004BV-T (40)		40					†	†	†		†		
TE28F200BV-B		56					✓	✓					
TE28F200BV-B (002)		56					†	†	†		†		
TE28F200BV-B (40)		56					†	†	†		†		
TE28F200BV-B (40b)		56					†	†	†		†		
TE28F200BV-B (44)		56					†	†	†		†		
TE28F200BV-B (44b)		56					†	†	†		†		
TE28F200BV-B (b)		56					✓	✓					
TE28F200BV-T		56					✓	✓					
TE28F200BV-T (002)		56					†	†	†		†		
TE28F200BV-T (40)		56					†	†	†		†		
TE28F200BV-T (40b)		56					†	†	†		†		
TE28F200BV-T (44)		56					†	†	†		†		
TE28F200BV-T (44b)		56					†	†	†		†		
TE28F200BV-T (b)		56					✓	✓					
TE28F200CV-B		48					✓	✓					
TE28F200CV-B (002)		48					†	†	†		†		
TE28F200CV-B (40)		48					†	†	†		†		
TE28F200CV-B (40b)		48					†	†	†		†		
TE28F200CV-B (44)		48					†	†	†		†		
TE28F200CV-B (44b)		48					†	†	†		†		
TE28F200CV-B (b)		48					✓	✓					
TE28F200CV-T		48					✓	✓					
TE28F200CV-T (002)		48					†	†	†		†		
TE28F200CV-T (40)		48					†	†	†		†		
TE28F200CV-T (40b)		48					†	†	†		†		
TE28F200CV-T (44)		48					†	†	†		†		
TE28F200CV-T (44b)		48					†	†	†		†		
TE28F200CV-T (b)		48					✓	✓					
TE28F400BV-B		56					✓	✓					

[illegible]

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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1140	EP-1132
27HC641L	24	28	24				✓	✓	✓	✓	✓	✓
27HC64L	28	32	28				✓	✓	✓	✓	✓	✓
27LV256	28	32			28		✓	✓	✓	✓	✓	✓
28C04	24	32	24				✓	✓	✓	✓	✓	✓
28C04A	24	32	24				✓	✓	✓	✓	✓	✓
28C04AF	24	32	24				✓	✓	✓	✓	✓	✓
28C04F	24	32	24				✓	✓	✓	✓	✓	✓
28C16	24	32	24				✓	✓	✓	✓	✓	✓
28C16A	24	32	24				✓	✓	✓	✓	✓	✓
28C16AF	24	32	24				✓	✓	✓	✓	✓	✓
28C16F	24	32	24				✓	✓	✓	✓	✓	✓
28C17	28	32	28				✓	✓	✓	✓	✓	✓
28C17A	28	32	28				✓	✓	✓	✓	✓	✓
28C17AF	28	32	28				✓	✓	✓	✓	✓	✓
28C17F	28	32	28				✓	✓	✓	✓	✓	✓
28C256	28	32					✓	✓	✓	✓	✓	✓
28C64	28	32	28				✓	✓	✓	✓	✓	✓
28C64A	28	32	28				✓	✓	✓	✓	✓	✓
28C64AF	28	32	28				✓	✓	✓	✓	✓	✓
28C64AX	28	32	28				✓	✓	✓	✓	✓	✓
37LV128	8	20	8				✓	✓	✓	✓	✓	✓
37LV36	8	20	8				✓	✓	✓	✓	✓	✓
37LV65	8	20	8				✓	✓	✓	✓	✓	✓
59C11(x16)	8	-	8				✓	✓	28A	40A		
59C11(x8)	8	-	8				✓	✓	28A	40A		
85C72	8	-	8				✓	✓	✓	✓	✓	✓
85C82	8	-	8				✓	✓	✓	✓	✓	✓
85C92	8	-	8				✓	✓	✓	✓	✓	✓
93C06	8	-	8				✓	✓	28A	40A		
93C46(x16)	8	-	8				✓	✓	28A	40A		
93C56	8	-					✓	✓	28A	40A		
93C66	8	-					✓	✓	28A	40A		
ER5901	24	-	24				✓	✓	✓	✓	✓	✓
ER5911	8	-					✓	✓	28A	40A		
MTA81010	28	-	28				✓	✓				
PIC16C54	16	28	18				✓	✓	*PIC-18			
PIC16C55	28	28	28				✓	✓	PIC-28			
PIC16C56	18	28	18				✓	✓	*PIC-18			
PIC16C57	25	28	28				✓	✓	PIC-28			
PIC16C58A	16	-	18				✓	✓	*PIC-18			
PIC16C64	40	44	-	44			✓	✓				
PIC16C71	18	28	18				✓	✓	*PIC-18			
PIC16C73	28	-	28				✓	✓				
PIC16C74	40	44	-	44			✓	✓				
PIC16C84	16	-	18				✓	✓	*PIC-18			
PIC17C42 (DIP)	40	-					✓	✓				
PIC17C42 (PLCC/QFP)	-	44	-				✓	✓				

Mitsubishi

M37705E2	64	-	-	-	-		†	†	†	†	†	†
M38002E4SS	64	64	-	-	64		†	†	†	†	†	†
M38062E3	-	-	-	-	80		†	†	†	†	†	†
M38063E6	-	-	-	-	80		†	†	†	†	†	†
M38802E2	64	64	-	-	64		†	†	†	†	†	†
M50727EFP	42	-	42	-	-		†	†	†	†	†	†
M5L27128K	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5L27256K	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5L2732	24	-	-	-	-		✓	✓	✓	✓	✓	✓
M5L27512K	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5L2764K	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27128P	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27256	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27512P	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M2764P	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C100K	32	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C100P	32	32	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C101	32	32	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C102K	40	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C102P	40	44	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C128K	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C201K	32	32	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C202K	40	44	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C256	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C256A	28	-	28	-	-		✓	✓	✓	✓	✓	✓
M5M27C256A(RVS TSOP)	-	-	-	-	28		†	†	†	†	†	†
M5M27C256A(STD TSOP)	-	-	-	-	28		†	†	†	†	†	†
M5M27C256AK	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C401K	32	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C402K	40	44	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C512AK	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M27C512AP	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M28C64AP	28	-	28	-	-		✓	✓	✓	✓	✓	✓
M5M28C64P	28	-	-	-	-		✓	✓	✓	✓	✓	✓
M5M28F101	32	32	32	-	32		✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	Bp-2100	Bp-1200	Bp-1148	CP-1148	PLD-1128	EP-1128	EP-1140	EP-1132	EP-1
MMI(AMD)															
53D1641	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53DA1643	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53DA441	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53DA442	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53DA841	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53LS1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RA1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RA1681A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RA441	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RA481	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RA481A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RS1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RS1681A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RS881	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53RS881A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S080	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S081	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S140	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S141	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S141A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S1641	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S1641A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S1681A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S240	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S241	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S241A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S280	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S281	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S281A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S3281	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S3281A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S440	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S441	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S441A	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S480	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S481	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S481A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S485	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S6481	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S640	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S641	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S641A	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S860	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S881	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
53S881A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63D1641	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63DA1643	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63DA441	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63DA442	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63DA841	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63LS1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RA1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RA1681A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RA441	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RA481	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RA481A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RS1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RS1681A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RS881	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63RS881A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S080	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S081	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S081A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S140	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S141	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S141A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S1641	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S1641A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S1681	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S1681A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S240	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S241	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S241A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S260	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S281	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S281A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S285	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S3281	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S3281A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S440	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S441	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S441A	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
63S480	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓

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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1128	EP-1140	EP-1132	EP-1
63S481	20	20	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-
63S481A	20	20	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-
63S485	24	28	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S6481	24	-	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S840	18	-	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S841	18	20	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S841A	18	20	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S880	24	-	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S881	24	28	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
63S881A	24	28	-	-	-	-	✓	✓	✓	✓	✓	-	-	-	-
PAL10H20G8	24	-	-	-	-	-	✓	-	-	↑	↑	-	-	-	-
PAL10H20P8	24	-	-	-	-	-	✓	-	-	↑	↑	-	-	-	-
PAL10H8	20	20	-	-	-	-	-	-	-	↑	↑	-	-	-	-
PAL10H8-2	20	20	-	-	-	-	-	-	-	↑	↑	-	-	-	-
PAL10L8	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL10L8-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL12H6	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL12H6-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL12L10	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL12L6	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL12L6-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL14H4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL14H4-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL14L4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL14L4-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL14L8	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16A4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16C1	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16C1-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16H2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16H2-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L2-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L6	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8A-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8A-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8B	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8B-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8B-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8BP	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16L8D	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16P8	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16P8A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4A-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4A-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4B	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4B-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4B-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4BP	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R4D	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6A-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6A-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6B	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6B-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6B-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6BP	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R6D	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8A-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8A-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8B	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8B-2	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8B-4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8BP	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16R8D	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RA8	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RP4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RP4A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RP6	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RP6A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RP8	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16RP8A	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL16X4	20	20	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL18L4	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL20C1	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL20L10	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL20L10A	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-
PAL20L2	24	28	-	-	-	-	-	-	-	✓	✓	-	-	-	-

[illegible]

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SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
PALC20R6Z-40	24						✓	✓	✓	✓	✓		
PALC20R6Z-45	24						✓	✓	✓	✓	✓		
PALC20R8Z-35	24						✓	✓	✓	✓	✓		
PALC20R8Z-40	24						✓	✓	✓	✓	✓		
PALC20R8Z-45	24						✓	✓	✓	✓	✓		
PALC22V10	24	28					✓	✓	✓	✓	✓		
PALC22V10H-25	24	28					✓	✓	✓	✓	✓		
PALC22V10H-30	24	28					✓	✓	✓	✓	✓		
PALC22V10H-35	24	28					✓	✓	✓	✓	✓		
PALC22V10H-40	24	28					✓	✓	✓	✓	✓		
PLE10P4	18	20					✓	✓	✓	✓	✓		
PLE10P8	24	28					✓	✓	✓	✓	✓		
PLE10R8	24	28					✓	✓	✓	✓	✓		
PLE11P4	18	20					✓	✓	✓	✓	✓		
PLE11RA8	24	28					✓	✓	✓	✓	✓		
PLE11RS8	24	28					✓	✓	✓	✓	✓		
PLE12P4	20	20					✓	✓	✓	✓	✓		
PLE12P8	24	28					✓	✓	✓	✓	✓		
PLE5P8	16	20					✓	✓	✓	✓	✓		
PLE5P8A	16	20					✓	✓	✓	✓	✓		
PLE8P4	16	20					✓	✓	✓	✓	✓		
PLE8P8	20	20	20				✓	✓	✓	✓	✓		
PLE9P4	16	20	16				✓	✓	✓	✓	✓		
PLE9P8	20	20					✓	✓	✓	✓	✓		
PLE9R8	24	28					✓	✓	✓	✓	✓		
PLS105-37	28	28					✓	✓	✓	✓	✓		
PLS105-40	28	28					✓	✓	✓	✓	✓		
PLS105A	28	28					✓	✓	✓	✓	✓		
PLS105B	28	28					✓	✓	✓	✓	✓		
PLS167-33	24	28					✓	✓	✓	✓	✓		
PLS167A	24	28					✓	✓	✓	✓	✓		
PLS167B	24	28					✓	✓	✓	✓	✓		
PLS168-33	24	28					✓	✓	✓	✓	✓		
PLS168A	24	28					✓	✓	✓	✓	✓		
PLS168B	24	28					✓	✓	✓	✓	✓		
Mosaic Semiconductor													
ME8128	32						✓	✓	✓	✓	✓		
Mostek													
ET2716	24						✓	✓	✓	✓	✓		
ETC2716	24						✓	✓	✓	✓	✓		
ETC2732	24						✓	✓	✓	✓	✓		
MK2716	24						✓	✓	✓	✓	✓		
MK2764	28						✓	✓	✓	✓	✓		
MK48C02	28						✓	✓	✓	✓	✓		
MK48C12	24						✓	✓	✓	✓	✓		
MK48T02	24						✓	✓	✓	✓	✓		
MK48T08	28						✓	✓	✓	✓	✓		
MK48T12	24						✓	✓	✓	✓	✓		
MK48Z02	24						✓	✓	✓	✓	✓		
MK48Z03	24						✓	✓	✓	✓	✓		
MK48Z08	28						✓	✓	✓	✓	✓		
MK48Z09	28						✓	✓	✓	✓	✓		
MK48Z12	28						✓	✓	✓	✓	✓		
MK48Z13	28						✓	✓	✓	✓	✓		
MK48Z18	28						✓	✓	✓	✓	✓		
MK48Z19	28						✓	✓	✓	✓	✓		
MK48Z30	28						✓	✓	✓	✓	✓		
Motorola													
M29F010/F						32	✓	✓	✓	✓	✓		
M29F010/P/J/E	32	32	32			32	✓	✓	✓	✓	✓		
M29F040/F						32	✓	✓	✓	✓	✓		
M29F040/P/J/E	32	32	32			32	✓	✓	✓	✓	✓		
M29F100B			44			48	†	†	†	†	†		
M29F100T			44			48	†	†	†	†	†		
M29F200B			44			48	†	†	†	†	†		
M29F200T			44			48	†	†	†	†	†		
M29F400B			44			48	†	†	†	†	†		
M29F400T			44			48	†	†	†	†	†		
MC68701	40						✓	✓	✓	✓	✓		
MC68701U4	40						✓	✓	✓	✓	✓		
MC68705P3	28						✓	✓	✓	✓	✓		
MC68705P5	28						✓	✓	✓	✓	✓		
MC68705R3	40	44					✓	✓	✓	✓	✓		
MC68705R5	40	44					✓	✓	✓	✓	✓		
MC68705U3	40						✓	✓	✓	✓	✓		
MC68705U5	40						✓	✓	✓	✓	✓		
MC68764	24						✓	✓	✓	✓	✓		
MC68766	24						✓	✓	✓	✓	✓		
MC68B701L	40						✓	✓	✓	✓	✓		
MC68B701S	40						✓	✓	✓	✓	✓		
MC68HC11A1	48	52					✓	✓	✓	✓	✓		
National Semiconductor													
COP820	28						✓	✓	✓	✓	✓		
COP822	20						✓	✓	✓	✓	✓		
COP842	20						✓	✓	✓	✓	✓		
COP8780	40	44					✓	✓	✓	✓	✓		
COP8781	28		28				✓	✓	✓	✓	✓		
COP8782	20		20				✓	✓	✓	✓	✓		
COP880	40	44					✓	✓	✓	✓	✓		
COP881	28						✓	✓	✓	✓	✓		
COP884	28						✓	✓	✓	✓	✓		
COP888	40	44					✓	✓	✓	✓	✓		
DM54LS471	20	20					✓	✓	✓	✓	✓		
DM54S188	16	20					✓	✓	✓	✓	✓		
DM54S287	16	20					✓	✓	✓	✓	✓		
DM54S288	16	20					✓	✓	✓	✓	✓		
DM54S289	16	20					✓	✓	✓	✓	✓		
DM54S387	16	20					✓	✓	✓	✓	✓		
DM54S472	20	20					✓	✓	✓	✓	✓		
DM54S473	20	20					✓	✓	✓	✓	✓		
DM54S474	24	28					✓	✓	✓	✓	✓		
DM54S475	24	28					✓	✓	✓	✓	✓		
DM54S570	16	20					✓	✓	✓	✓	✓		
DM54S571	16	20					✓	✓	✓	✓	✓		
DM54S572	18	20					✓	✓	✓	✓	✓		
DM54S573	18	20					✓	✓	✓	✓	✓		
DM74LS471	20	20					✓	✓	✓	✓	✓		
DM74S188	16	20					✓	✓	✓	✓	✓		
DM74S287	16	20					✓	✓	✓	✓	✓		
DM74S288	16	20					✓	✓	✓	✓	✓		
DM74S387	16	20					✓	✓	✓	✓	✓		
DM74S472	20	20					✓	✓	✓	✓	✓		
DM74S473	20	20					✓	✓	✓	✓	✓		
DM74S474	24	28					✓	✓	✓	✓	✓		
DM74S475	24	28					✓	✓	✓	✓	✓		
DM77S180	24	28					✓	✓	✓	✓	✓		
DM77S181	24	28					✓	✓	✓	✓	✓		
DM77S184	18	20					✓	✓	✓	✓	✓		
DM77S185	18	20					✓	✓	✓	✓	✓		
DM77S195	20						✓	✓	✓	✓	✓		
DM77S280	24	28					✓	✓	✓	✓	✓		
DM77S281	24	28					✓	✓	✓	✓	✓		
DM77SR181	24	28					✓	✓	✓	✓	✓		

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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1140	EP-1132
DM77SR183	24	28					✓	✓	✓	✓		
DM77SR474	24	28					✓	✓	✓	✓		
DM77SR476	24	28					✓	✓	✓	✓		
DM87S180	24	28					✓	✓	✓	✓		
DM87S181	24	28					✓	✓	✓	✓		
DM87S184	18	20					✓	✓	✓	✓		
DM87S185	18	20					✓	✓	✓	✓		
DM87S195	20						✓	✓	✓	✓		
DM87S280	24	28					✓	✓	✓	✓		
DM87S281	24	28					✓	✓	✓	✓		
DM87SR181	24	28					✓	✓	✓	✓		
DM87SR183	24	28					✓	✓	✓	✓		
DM87SR474	24	28					✓	✓	✓	✓		
DM87SR476	24	28					✓	✓	✓	✓		
G22CV10	24	28					✓	✓	✓	✓		
G22CV10	24	28					✓	✓	✓	✓		
GAL16V8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 10H8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 10L8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 10P8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 12H6	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 12L6	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 12P6	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 14H4	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 14L4	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 14P4	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16H2	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16H8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16L2	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16L8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16P2	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16P8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16R4	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16R6	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16R8	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16RP4	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16RP6	20	20					✓	✓	✓	✓		
GAL16V8/A/QS as 16RP8	20	20					✓	✓	✓	✓		
GAL16V8A	20	20					✓	✓	✓	✓		
GAL16V8QS	20	20					✓	✓	✓	✓		
GAL20RA10	24	28					✓	✓	✓	✓		
GAL20V8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 14H8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 14L8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 14P8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 16H6	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 16L6	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 16P6	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 18H4	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 18L4	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 18P4	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20H2	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20H8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20L2	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20L8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20P2	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20P8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20R4	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20R6	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20R8	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20RP4	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20RP6	24	28					✓	✓	✓	✓		
GAL20V8/A/QS as 20RP8	24	28					✓	✓	✓	✓		
GAL20V8A	24	28					✓	✓	✓	✓		
GAL20V8QS	24	28					✓	✓	✓	✓		
GAL22V10	24	28					✓	✓	✓	✓		
GAL6001	24	28					✓	✓	✓	✓		
HPC46083	68						†	†	†	†	†	†
HPC467064	68						†	†	†	†	†	†
MAPL128	28						✓	✓	✓	✓		
MAPL144	44						✓	✓	✓	✓		
MAPL244	44						✓	✓	✓	✓		
MM2716	24						✓	✓	✓	✓		
MM2716E	24						✓	✓	✓	✓		
MM2758Q-A	24						✓	✓	✓	✓		
MM2758Q-B	24						✓	✓	✓	✓		
NM27C010	32	32					✓	✓	✓	✓		
NM27C020	32	32					✓	✓	✓	✓		
NM27C020Q	32						✓	✓	✓	✓		
NM27C040	32	32					✓	✓	✓	✓		
NM27C128	28	32					✓	✓	✓	✓		
NM27C210	40	44					✓	✓	✓	✓		
NM27C240	40	44					✓	✓	✓	✓		
NM27C256	28	32					✓	✓	✓	✓		
NM27C512	28	32					✓	✓	✓	✓		
NM27C64	28	32					✓	✓	✓	✓		
NM27C64Q	28	32					✓	✓	✓	✓		
NM27LC256	28	32					✓	✓	✓	✓		
NM27LC512	28	32					✓	✓	✓	✓		
NM27LC64	28	32					✓	✓	✓	✓		
NM27LV010	32	32				32	✓	✓	✓	✓		
NM27LV210	44						✓	✓	✓	✓		
NM27LV512	28	32				32	✓	✓	✓	✓		
NM27LV64Q	28	32					✓	✓	✓	✓		
NM27P040	32	32					✓	✓	✓	✓		
NM27P210	40	44					✓	✓	✓	✓		
NM27P512	28	32					✓	✓	✓	✓		
NM83C06	8	8					✓	✓	✓	✓	28A	40A
NMC2732	24						✓	✓	✓	✓		
NMC27C010	32	32					✓	✓	✓	✓		
NMC27C020	32	32					✓	✓	✓	✓		
NMC27C1024	40	44					✓	✓	✓	✓		
NMC27C128B	28	32					✓	✓	✓	✓		
NMC27C128BN	28	32					✓	✓	✓	✓		
NMC27C128BQ	28	32					✓	✓	✓	✓		
NMC27C128C	28						✓	✓	✓	✓		
NMC27C128CQ	28						✓	✓	✓	✓		
NMC27C16	24						✓	✓	✓	✓		
NMC27C16BQ	24						✓	✓	✓	✓		
NMC27C16BQE	24						✓	✓	✓	✓		
NMC27C16H	24						✓	✓	✓	✓		
NMC27C16HQ	24						✓	✓	✓	✓		
NMC27C16Q	24						✓	✓	✓	✓		
NMC27C2048	40						✓	✓	✓	✓		
NMC27C210	40						✓	✓	✓	✓		
NMC27C256	28	32					✓	✓	✓	✓		
NMC27C256B	28	32					✓	✓	✓	✓		
NMC27C256C	28	32					✓	✓	✓	✓		
NMC27C256Q	28	32					✓	✓	✓	✓		
NMC27C32	24						✓	✓	✓	✓		
NMC27C32B	24						✓	✓	✓	✓		
NMC27C32BQ	24						✓	✓	✓	✓		
NMC27C32E	24						✓	✓	✓	✓		
NMC27C32EH	24						✓	✓	✓	✓		
NMC27C32H	24						✓	✓	✓	✓		
NMC27C512	28	32					✓	✓	✓	✓		
NMC27C512A	28	32					✓	✓	✓	✓		
NMC27C512AN	28	32					✓	✓	✓	✓		
NMC27C64	28	32					✓	✓	✓	✓		
NMC27C64B	28						✓	✓	✓	✓		
NMC27C64BN	28						✓	✓	✓	✓		
NMC27C64N	28						✓	✓	✓	✓		
NMC27CP128	28						✓	✓	✓	✓		
NMC9306	8	8					✓	✓	✓	✓	28A	40A
NMC9307	8	14					✓	✓	✓	✓	28A	40A
NMC9313B	8						✓	✓	✓	✓	28A	40A
NMC9314B	8						✓	✓	✓	✓	28A	40A
NMC93C26	8	14					✓	✓	✓	✓	28A	40A
NMC93C46	8	8					✓	✓	✓	✓	28A	40A
NMC93C56	6	14					✓	✓	✓	✓	28A	40A
NMC93C66	6	14					✓	✓	✓	✓	28A	40A
NMC93C86A	8	14					✓	✓	✓	✓	28A	40A
NMC93CS06	8	14					✓	✓	✓	✓	28A	40A
NMC93CS46	8	8					✓	✓	✓	✓	28A	40A
NMC93CS46M8		8					✓	✓	✓	✓		
NMC93CS56	8	14					✓	✓	✓	✓	28A	40A
NMC93CS66	8	14					✓	✓	✓	✓	28A	40A
NMC95C12	14	14					✓	✓	✓	✓		
NMC9817	28											

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
PAL10L8A	20	20					✓	✓	✓	✓	✓		
PAL10L8A2	20	20					✓	✓	✓	✓	✓		
PAL12H6	20	20					✓	✓	✓	✓	✓		
PAL12H6A	20	20					✓	✓	✓	✓	✓		
PAL12H6A2	20	20					✓	✓	✓	✓	✓		
PAL12L10	24	28					✓	✓	✓	✓	✓		
PAL12L10A	24	28					✓	✓	✓	✓	✓		
PAL12L6	20	20					✓	✓	✓	✓	✓		
PAL12L6A	20	20					✓	✓	✓	✓	✓		
PAL12L6A2	20	20					✓	✓	✓	✓	✓		
PAL14H4	20	20					✓	✓	✓	✓	✓		
PAL14H4A	20	20					✓	✓	✓	✓	✓		
PAL14H4A2	20	20					✓	✓	✓	✓	✓		
PAL14L4	20	20					✓	✓	✓	✓	✓		
PAL14L4A	20	20					✓	✓	✓	✓	✓		
PAL14L4A2	20	20					✓	✓	✓	✓	✓		
PAL14L8	24	28					✓	✓	✓	✓	✓		
PAL14L8A	24	28					✓	✓	✓	✓	✓		
PAL16C1	20	20					✓	✓	✓	✓	✓		
PAL16C1A	20	20					✓	✓	✓	✓	✓		
PAL16C1A2	20	20					✓	✓	✓	✓	✓		
PAL16H2	20	20					✓	✓	✓	✓	✓		
PAL16H2A	20	20					✓	✓	✓	✓	✓		
PAL16H2A2	20	20					✓	✓	✓	✓	✓		
PAL16L2	20	20					✓	✓	✓	✓	✓		
PAL16L2A	20	20					✓	✓	✓	✓	✓		
PAL16L2A2	20	20					✓	✓	✓	✓	✓		
PAL16L6	24	28					✓	✓	✓	✓	✓		
PAL16L8	20	20					✓	✓	✓	✓	✓		
PAL16L8-5	20	20					✓	✓	✓	✓	✓		
PAL16L8-7	20	20					✓	✓	✓	✓	✓		
PAL16L8A	20	20					✓	✓	✓	✓	✓		
PAL16L8A2	20	20					✓	✓	✓	✓	✓		
PAL16L8B	20	20					✓	✓	✓	✓	✓		
PAL16L8B2	20	20					✓	✓	✓	✓	✓		
PAL16L8D	20	20					✓	✓	✓	✓	✓		
PAL16R4	20	20					✓	✓	✓	✓	✓		
PAL16R4-5	20	20					✓	✓	✓	✓	✓		
PAL16R4-7	20	20					✓	✓	✓	✓	✓		
PAL16R4A	20	20					✓	✓	✓	✓	✓		
PAL16R4A2	20	20					✓	✓	✓	✓	✓		
PAL16R4B	20	20					✓	✓	✓	✓	✓		
PAL16R4B2	20	20					✓	✓	✓	✓	✓		
PAL16R4D	20	20					✓	✓	✓	✓	✓		
PAL16R6	20	20					✓	✓	✓	✓	✓		
PAL16R6-5	20	20					✓	✓	✓	✓	✓		
PAL16R6-7	20	20					✓	✓	✓	✓	✓		
PAL16R6A	20	20					✓	✓	✓	✓	✓		
PAL16R6A2	20	20					✓	✓	✓	✓	✓		
PAL16R6B	20	20					✓	✓	✓	✓	✓		
PAL16R6B2	20	20					✓	✓	✓	✓	✓		
PAL16R6D	20	20					✓	✓	✓	✓	✓		
PAL16R8	20	20					✓	✓	✓	✓	✓		
PAL16R8-5	20	20					✓	✓	✓	✓	✓		
PAL16R8-7	20	20					✓	✓	✓	✓	✓		
PAL16R8A	20	20					✓	✓	✓	✓	✓		
PAL16R8A2	20	20					✓	✓	✓	✓	✓		
PAL16R8B	20	20					✓	✓	✓	✓	✓		
PAL16R8B2	20	20					✓	✓	✓	✓	✓		
PAL16R8D	20	20					✓	✓	✓	✓	✓		
PAL16RA8	20	20					✓	✓	✓	✓	✓		
PAL18L4	24	28					✓	✓	✓	✓	✓		
PAL20C1	24	28					✓	✓	✓	✓	✓		
PAL20L10	24	28					✓	✓	✓	✓	✓		
PAL20L10A	24	28					✓	✓	✓	✓	✓		
PAL20L2	24	28					✓	✓	✓	✓	✓		
PAL20L8-5	24	28					✓	✓	✓	✓	✓		
PAL20L8-7	24	28					✓	✓	✓	✓	✓		
PAL20L8A	24	28					✓	✓	✓	✓	✓		
PAL20L8B	24	28					✓	✓	✓	✓	✓		
PAL20L8D	24	28					✓	✓	✓	✓	✓		
PAL20P8B	24	28					✓	✓	✓	✓	✓		
PAL20R4-5	24	28					✓	✓	✓	✓	✓		
PAL20R4-7	24	28					✓	✓	✓	✓	✓		
PAL20R4A	24	28					✓	✓	✓	✓	✓		
PAL20R4B	24	28					✓	✓	✓	✓	✓		
PAL20R4D	24	28					✓	✓	✓	✓	✓		
PAL20R6-5	24	28					✓	✓	✓	✓	✓		
PAL20R6-7	24	28					✓	✓	✓	✓	✓		
PAL20R6A	24	28					✓	✓	✓	✓	✓		
PAL20R6B	24	28					✓	✓	✓	✓	✓		
PAL20R6D	24	28					✓	✓	✓	✓	✓		
PAL20R8-5	24	28					✓	✓	✓	✓	✓		
PAL20R8-7	24	28					✓	✓	✓	✓	✓		
PAL20R8A	24	28					✓	✓	✓	✓	✓		
DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
PAL20R8B	24	28					✓	✓	✓	✓	✓		
PAL20R8D	24	28					✓	✓	✓	✓	✓		
PAL20RA10	24	28					✓	✓	✓	✓	✓		
PAL20RP4B	24	28					✓	✓	✓	✓	✓		
PAL20RP6B	24	28					✓	✓	✓	✓	✓		
PAL20RP8B	24	28					✓	✓	✓	✓	✓		
PAL20X10	24	28					✓	✓	✓	✓	✓		
PAL20X10A	24	28					✓	✓	✓	✓	✓		
PAL20X4	24	28					✓	✓	✓	✓	✓		
PAL20X4A	24	28					✓	✓	✓	✓	✓		
PAL20X8	24	28					✓	✓	✓	✓	✓		
PAL20X8A	24	28					✓	✓	✓	✓	✓		
PL77X288	16	20					✓	✓	✓	✓	✓		
PL87X288	16	20					✓	✓	✓	✓	✓		
NEC													
uPD27128	28						✓	✓	✓	✓	✓		
uPD2716	24						✓	✓	✓	✓	✓		
uPD27256	28						✓	✓	✓	✓	✓		
uPD2732	24						✓	✓	✓	✓	✓		
uPD2732A	24						✓	✓	✓	✓	✓		
uPD2764	28						✓	✓	✓	✓	✓		
uPD27C1000	32						✓	✓	✓	✓	✓		
uPD27C1000A	32						✓	✓	✓	✓	✓		
uPD27C1001A	32						✓	✓	✓	✓	✓		
uPD27C1001D	32						✓	✓	✓	✓	✓		
uPD27C1024	40						✓	✓	✓	✓	✓		
uPD27C1024A	40						✓	✓	✓	✓	✓		
uPD27C2001	32						✓	✓	✓	✓	✓		
uPD27C256	28						✓	✓	✓	✓	✓		
uPD27C256A	28						✓	✓	✓	✓	✓		
uPD27C4000	40						✓	✓	✓	✓	✓		
uPD27C4001	32						✓	✓	✓	✓	✓		
uPD27C4096	40						✓	✓	✓	✓	✓		
uPD27C512	28						✓	✓	✓	✓	✓		
uPD27C64	28						✓	✓	✓	✓	✓		
uPD27C8000	42	44					✓	✓	✓	✓	✓		
uPD27C8001	32						✓	✓	✓	✓	✓		
uPD27HC65	24						✓	✓	✓	✓	✓		
uPD28C04	24	24					✓	✓	✓	✓	✓		
uPD28C05	24	24					✓	✓	✓	✓	✓		
uPD28C256	28						✓	✓	✓	✓	✓		
uPD28C64	28						✓	✓	✓	✓	✓		
uPD75P008	42				44		✓	✓	✓	✓	✓		
uPD75P308	-	-			60		✓	✓	✓	✓	✓		
uPD77P25	28	44	32				✓	✓	✓	✓	✓		
uPD77P56	20	24					✓	✓	✓	✓	✓		
uPD8041AH	40						✓	✓	✓	✓	✓		
uPD8049H	40						✓	✓	✓	✓	✓		
uPD8050H	40						✓	✓	✓	✓	✓		
uPD80C48	40						✓	✓	✓	✓	✓		
uPD8741A	40						✓	✓	✓	✓	✓		
uPD8748	40						✓	✓	✓	✓	✓		
uPD8748H	40						✓	✓	✓	✓	✓		
uPD8748HD	40						✓	✓	✓	✓	✓		
uPD8749H	40						✓	✓	✓	✓	✓		
OKI													

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1140	EP-1132
MSM27C1024AS	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C128AS	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C2048	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C256	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C256H	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C256H2B	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C256ZB	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM27C64AS	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM2816ARS	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM28C16A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM28C64A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM80C48	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓
MSM80C49	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓
Philips Semiconductors												
100149	16	-	-	-	-	-	✓	✓	✓	✓	✓	✓
100149A	16	-	-	-	-	-	✓	✓	✓	✓	✓	✓
100149B	16	-	-	-	-	-	✓	✓	✓	✓	✓	✓
10020EV8-4	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
10020EV8-6	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
100P016	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓
100P256	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓
10149	16	-	-	-	-	-	✓	✓	✓	✓	✓	✓
10149A	16	-	-	-	-	-	✓	✓	✓	✓	✓	✓
10149B	16	-	-	-	-	-	✓	✓	✓	✓	✓	✓
10H20EV8-4	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
10H20EV8-6	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
10P016	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓
10P256	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓
27C010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓
27C040	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓
27C210	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓
27C240	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓
27C256	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓
27C512	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓
27C64A	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓
27HC641	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
48F010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS187	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS189	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS195	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS195A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS195B	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS321	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS321A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS321B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS321C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS641	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS641A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS641B	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82HS641C	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82LHS191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82LHS321	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82LS135	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82LS180	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82LS181	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S100	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S101	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S105	28	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S115	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S123	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S123A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S126	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S126A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S129	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S129A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S130	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S130A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S131	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S131A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S135	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S137	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S137A	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S137B	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S137C	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S140	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S141	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S147	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S147A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S147B	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S150	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S151	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S152	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S153	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S155	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S155 (ABEL)	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S157	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S159	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S159 (ABEL)	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S166	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S167	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S168	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S173	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S179	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S180	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S181	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S181A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S181B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S181C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S183	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S185	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S185A	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S185B	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S185C	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓
82S191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S191A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S191B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S191C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82S23	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S23A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82S321	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
82US123	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
82US23	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓
87C52-1G	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓
ABT22V10-7	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
ABT22V10A	-	26	-	-	-	-	✓	✓	✓	✓	✓	✓
ABT22V10A (With Adapter)	24	24	-	-	-	-	✓	✓	✓	✓	✓	✓
LVT22V10	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
P87C52	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓
P87C52A	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓
P87C52B	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓
P87C575	40	44	-	-	44	-	✓	✓	✓	✓	✓	✓
P87C576	40	44	-	-	44	-	✓	✓	✓	✓	✓	✓
P87C592	-	66	-	-	-	-	✓	✓	✓	✓	✓	✓
P87C749	28	28	-	-	-	-	✓	✓	✓	✓	✓	✓
P87C750	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓
PCA8582C	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCA8582D	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCA8582E	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCD8582C	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCD8582D	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCD8582E	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCF8581	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCF8582C	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCF8582D	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PCF8582E	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓
PHD16N8-5	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓
PHD48N22-7	-	66	-	-	-	-	✓	✓	✓	✓	✓	✓
PL22V10-10	24	28	-	-	-	-	✓	✓	✓	✓	✓	

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132	EP-1
27210	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
27256	25	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
27512	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
2764A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Ramtron														
FM1208S	24	-	24	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
FM1608S	28	-	28	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
FM24C04	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Raycon														
1MB Cartridge	40	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Ricoh														
BR93C46	6	-	-	-	-	-	✓	✓	✓	25A	✓	40A	✓	✓
EPL10P8A	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL10P8B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL12P6A	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL12P6B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL14P4A	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL14P4B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16P2A	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16P2B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16P8B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16P8F	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16RP4B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16RP4F	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16RP6B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16RP6F	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16RP8B	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
EPL16RP8F	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
RD27C256	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
RD27C64	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Rockwell														
R2764	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R2764C	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R2764P	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R27C64	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R2816	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R5213	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R52B13	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R52B33	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R87C32	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
R87C64	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Samsung														
CPL16L8-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8L-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8L-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8L-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16L8L-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4L-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4L-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4L-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R4L-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6L-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6L-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6L-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R6L-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8L-15	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8L-20	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8L-25	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL16R8L-35	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL20L10-15	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL20L10-20	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL20L10-25	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
CPL20L10-35	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓

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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
CPL20L10L-15	24	28					✓	✓	✓	✓	✓		
CPL20L10L-20	24	28					✓	✓	✓	✓	✓		
CPL20L10L-25	24	28					✓	✓	✓	✓	✓		
CPL20L10L-35	24	28					✓	✓	✓	✓	✓		
CPL20L8-15	24	28					✓	✓	✓	✓	✓		
CPL20L8-20	24	28					✓	✓	✓	✓	✓		
CPL20L8-25	24	28					✓	✓	✓	✓	✓		
CPL20L8-35	24	28					✓	✓	✓	✓	✓		
CPL20L8L-15	24	28					✓	✓	✓	✓	✓		
CPL20L8L-20	24	28					✓	✓	✓	✓	✓		
CPL20L8L-25	24	28					✓	✓	✓	✓	✓		
CPL20L8L-35	24	28					✓	✓	✓	✓	✓		
CPL20R4-15	24	28					✓	✓	✓	✓	✓		
CPL20R4-20	24	28					✓	✓	✓	✓	✓		
CPL20R4-25	24	28					✓	✓	✓	✓	✓		
CPL20R4-35	24	28					✓	✓	✓	✓	✓		
CPL20R4L-15	24	28					✓	✓	✓	✓	✓		
CPL20R4L-20	24	28					✓	✓	✓	✓	✓		
CPL20R4L-25	24	28					✓	✓	✓	✓	✓		
CPL20R4L-35	24	28					✓	✓	✓	✓	✓		
CPL20R6-15	24	28					✓	✓	✓	✓	✓		
CPL20R6-20	24	28					✓	✓	✓	✓	✓		
CPL20R6-25	24	28					✓	✓	✓	✓	✓		
CPL20R6-35	24	28					✓	✓	✓	✓	✓		
CPL20R6L-15	24	28					✓	✓	✓	✓	✓		
CPL20R6L-20	24	28					✓	✓	✓	✓	✓		
CPL20R6L-25	24	28					✓	✓	✓	✓	✓		
CPL20R6L-35	24	28					✓	✓	✓	✓	✓		
CPL20R8-15	24	28					✓	✓	✓	✓	✓		
CPL20R8-20	24	28					✓	✓	✓	✓	✓		
CPL20R8-25	24	28					✓	✓	✓	✓	✓		
CPL20R8-35	24	28					✓	✓	✓	✓	✓		
CPL20R8L-15	24	28					✓	✓	✓	✓	✓		
CPL20R8L-20	24	28					✓	✓	✓	✓	✓		
CPL20R8L-25	24	28					✓	✓	✓	✓	✓		
CPL20R8L-35	24	28					✓	✓	✓	✓	✓		
CPL22V10-25	24	28					✓	✓	✓	✓	✓		
CPL22V10L-35	24	28					✓	✓	✓	✓	✓		
CPL22V10L-35	24	28					✓	✓	✓	✓	✓		
KM2816A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2816AI	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2817A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2817AI	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2864A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2864AH	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2865A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM2865AH	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C16	24	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C17	26	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C256	26	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C64	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C64A	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C64B	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM28C65	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM29C010	32	32	-	-	-	32	✓	✓	✓	✓	✓	✓	✓
KM93C06	8	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM93C07	8	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
KM93C46	8	-	8	-	-	-	✓	✓	✓	✓	✓	✓	✓

Sandia National Labs

SA3823(DIP)	32	-	-	-	-	-	SM	SM	-	-	-	-	-
SA3823(LCC)	-	32	-	-	-	-	SM	SM	-	-	-	-	-

Schlumberger

H612270	40	-	-	-	-	-	✓	✓	✓	-	✓	-	-
H612920	40	-	-	-	-	-	✓	✓	✓	-	✓	-	-

Seeq

27128	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27256	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2764	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C256	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27F010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2804A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2816A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2816AH	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2817A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2817AH	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2864	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
2864H	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
28C010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
28C256	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
28C256A	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
28C64	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
28C64A	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
28C65	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
28HC256	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
36C16	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
36C32	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
38C16	24	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
38C32	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48128	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48C1024	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48C512	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48C512K	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48F010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48F010K	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48F1024	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48F512	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48F512K	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
5213	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
52B13	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
52B13H	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
52B33	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
52B33H	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
5516A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
5516AH	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
5517A	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
5517AH	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
55B33	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
55B33H	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82005	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82025	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
86063	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DQ20RA10Z-35	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DQ20RA10Z-40	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
DQ20RA10Z-45	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
E28C64	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
E52B13	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
E52B13H	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
E52B33	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
E52B33H	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
M28C64	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
M52B13	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
M52B13H	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
M52B33	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
M52B33H	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
ME28C010	32	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
MQ28C010	32	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PQ20RA10Z-35	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PQ20RA10Z-40	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
PQ20RA10Z-45	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

Seiko Instruments

2914A	8	-	8	-	-	-	✓	✓	✓	-	✓	-	-
2980I	8	-	8	-	-	-	✓	✓	✓	-	✓	-	-

SGS-Thomson

GAL16V8-15H											20	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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Some devices are supported by the head indicated (available from BP Microsystems). †Requires adapter from third party. TVO runs test vectors only; cannot program. SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
10H20EV8-4	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
10H20EV8-6	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
10P016	20	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
10P256	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C040	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C210	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C240	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C256	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C512	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27C64A	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
27HC641	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
48F010	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS187	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS189	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS195	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS195A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS195B	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS321	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS321A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS321B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS321C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS641	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS641A	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS641B	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82HS641C	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82LHS191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82LHS321	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82LS135	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82LS180	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82LS181	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S100	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S101	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S105	28	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S115	24	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S123	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S123A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S126	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S126A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S129	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S129A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S130	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S130A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S131	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S131A	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S135	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S137	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S137A	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S137B	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S137C	18	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S140	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S141	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S147	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S147A	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S147B	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S150	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S151	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S152	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S153	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S155	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S155 (ABEL)	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S157	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S159	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S159 (ABEL)	20	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S166	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S167	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S168	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S173	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S179	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S180	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S181	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S181A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S181B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S181C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S183	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S185	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S185A	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S185B	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S185C	18	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S191A	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S191B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S191C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
82S23	16	20	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

DEVICE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</
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DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1140	EP-1132
PLUS16R8-7	20	20					✓	✓	✓	✓	✓		
PLUS16R8D	20	20					✓	✓	✓	✓	✓		
PLUS173	24	28					✓	✓	✓	✓	✓		
PLUS173-10	24	28					✓	✓	✓	✓	✓		
PLUS173B	24	28					✓	✓	✓	✓	✓		
PLUS173D	24	28					✓	✓	✓	✓	✓		
PLUS20L8-7	24	28					✓	✓	✓	✓	✓		
PLUS20L8D	24	28					✓	✓	✓	✓	✓		
PLUS20R4-7	24	28					✓	✓	✓	✓	✓		
PLUS20R4D	24	28					✓	✓	✓	✓	✓		
PLUS20R6-7	24	28					✓	✓	✓	✓	✓		
PLUS20R6D	24	28					✓	✓	✓	✓	✓		
PLUS20R8-7	24	28					✓	✓	✓	✓	✓		
PLUS20R8D	24	28					✓	✓	✓	✓	✓		
PLUS405-37	28	28					✓	✓	✓	✓	✓		
PLUS405-45	28	28					✓	✓	✓	✓	✓		
PLUS405-55	28	28					✓	✓	✓	✓	✓		
PLV2500-35	40	44					✓	✓	†	†	†		
PLV2500-40	40	44					✓	✓	†	†	†		
PLV2500-45	40	44					✓	✓	†	†	†		
PLV5000	-	68					✓	✓					
PLV750-30	24	28					✓	✓	✓	✓	✓		
PLV750-35	24	28					✓	✓	✓	✓	✓		
PLV750-40	24	28					✓	✓	✓	✓	✓		
PML2552	-	68					✓	✓					
PML2852	-	84					✓	✓					
PSD311	-	44					✓	✓	†		†		
PSD312	-	44					✓	✓	†		†		
PSD313	-	44		44			✓	✓	†		†		
S87C51FA	40	44					✓	✓	✓		✓		
S87C51FB	40	44					✓	✓	✓		✓		
S87C750	24	28					✓	✓	✓		40A		
S87C751	24	28					✓	✓	✓		40A		
S87C752	28	28					✓	✓	✓		40A		
S87L51FA	40	44					✓	✓	✓		✓		
S87L51FB	40	44					✓	✓	✓		✓		
SC87C451	64	68					✓	✓			†		
SC87C51	40	44					✓	✓	✓		✓		
SC87C528	40	44					✓	✓	✓		✓		
SC87C550	40	44					✓	✓	✓		✓		
SC87C552	-	68					✓	✓	†		†		
SC87C652	40	44					✓	✓	✓		✓		
SC87C654	40	44					✓	✓	✓		✓		
SC97C100	-	84					✓	✓			†		
Simtek													
STK10C48	28						✓	✓	✓		✓	✓	
STK10C68	28	32					✓	✓	✓		✓	✓	
STK11C48	28						✓	✓	✓		✓	✓	
STK11C68	28	32					✓	✓	✓		✓	✓	
STK12C68	28	32					✓	✓	✓		✓	✓	
STK20C04	28						✓	✓	✓		✓	✓	
STK28C256	28	32					✓	✓	✓		✓	✓	
SMOS													
SPM27128	28						✓	✓	✓		✓	✓	
SPM27128C	28						✓	✓	✓		✓	✓	
SPM27C256	28						✓	✓	✓		✓	✓	
SPM27C64	28						✓	✓	✓		✓	✓	
SPM27C64H	28						✓	✓	✓		✓	✓	
SPM2864C	28						✓	✓	✓		✓	✓	
SST													
28EE011	32	32			32		✓	✓	✓		✓	✓	
28SF040	32	32			40		✓	✓	✓		✓	✓	
29EE010	32	32			32		✓	✓	✓		✓	✓	
Synertek													
SY2716	24						✓	✓	✓		✓	✓	
Texas Instruments													
EP1810-45	-	68					✓	✓	28H	28H	28H		
EP1810-55	-	68					✓	✓	28H	28H	28H		
EP1830-20	-	68	66				✓	✓	28H	28H	28H		
EP1830-25	-	68	66				✓	✓	28H	28H	28H		
EP1830-30	-	68	68				✓	✓	28H	28H	28H		
EP330-12	20	20					✓	✓	✓	✓			
EP330-15	20	20					✓	✓	✓	✓			
EP610-25	24	28					✓	✓	✓	✓			
EP610-30	24	28					✓	✓	✓	✓			
EP610-35	24	28					✓	✓	✓	✓			
EP610-40	24	28					✓	✓	✓	✓			
EP630-15	24	28					✓	✓	✓	✓			
EP630-20	24	28					✓	✓	✓	✓			
EP910-30	40	44					✓	✓	✓	✓	28G	28G	
EP910-35	40	44					✓	✓	✓	✓	28G	28G	
EP910-40	40	44					✓	✓	✓	✓	28G	28G	
PAL16L8A	20	20					✓	✓	✓	✓	✓		
PAL16L8A-2	20	20					✓	✓	✓	✓	✓		
PAL16R4A	20	20					✓	✓	✓	✓	✓		
PAL16R4A-2	20	20					✓	✓	✓	✓	✓		
PAL16R6A	20	20					✓	✓	✓	✓	✓		
PAL16R6A-2	20	20					✓	✓	✓	✓	✓		
PAL16R8A	20	20					✓	✓	✓	✓	✓		
PAL16R8A-2	20	20					✓	✓	✓	✓	✓		
PAL20L8A	24	28					✓	✓	✓	✓	✓		
PAL20R4A	24	28					✓	✓	✓	✓	✓		
PAL20R6A	24	28					✓	✓	✓	✓	✓		
PAL20R8A	24	28					✓	✓	✓	✓	✓		
SE77C42	40	-					✓	✓	✓	✓	✓		
SE77C82	40	-					✓	✓	✓	✓	✓		
SMJ2516	24	32					✓	✓	✓	✓	✓		
SMJ2532	24	32					✓	✓	✓	✓	✓		
SMJ2564	28	32					✓	✓	✓	✓	✓		
SMJ27C256	28	-					✓	✓	✓	✓	✓		
SMJ27C512	28	-					✓	✓	✓	✓	✓		
TBP18S030	16	-											
TBP18SA030	16	-											
TBP28L22	20	-											
TBP28S167A	24	28					✓	✓	✓	✓	✓		
TBP28S167B	24	28					✓	✓	✓	✓	✓		
TBPAD16N8-7	20	20					✓	✓	✓	✓	✓		
TBPAD18N8-6	20	20					✓	✓	✓	✓	✓		
TBPAL16L8-10	20	20					✓	✓	✓	✓	✓		
TBPAL16L8-12	20	20					✓	✓	✓	✓	✓		
TBPAL16L8-15	20	20					✓	✓	✓	✓	✓		
TBPAL16L8-25	20	20					✓	✓	✓	✓	✓		
TBPAL16L8-5	20	20					✓	✓	✓	✓	✓		
TBPAL16L8-7	20	20					✓	✓	✓	✓	✓		
TBPAL16L8H-15	20	20					✓	✓	✓	✓	✓		
TBPAL16R4-10	20	20					✓	✓	✓	✓	✓		
TBPAL16R4-12	20	20					✓	✓	✓	✓	✓		
TBPAL16R4-15	20	20					✓	✓	✓	✓	✓		
TBPAL16R4-25	20	20					✓	✓	✓	✓	✓		
TBPAL16R4-5	20	20					✓	✓	✓	✓	✓		
TBPAL16R4-7	20	20					✓	✓	✓	✓	✓		
TBPAL16R4H-15	20	20					✓	✓	✓	✓	✓		
TBPAL16R6-10	20	20					✓	✓	✓	✓	✓		
TBPAL16R6-12	20	20					✓	✓	✓	✓	✓		
TBPAL16R6-15	20	20					✓	✓	✓	✓	✓		
TBPAL16R6-25	20	20					✓	✓	✓	✓	✓		
TBPAL16R6-5	20	20					✓	✓	✓	✓	✓		
TBPAL16R6-7	20	20					✓	✓					

Device List V3.08
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BP MICROSYSTEMS

May 15, 1995												
DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1140	EP-1132
TIBPAL20R8-15NL	-	28					<<	<<	<<	<<	<<	<<
TIBPAL20R8-25	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20R8-25NL	-	28					<<	<<	<<	<<	<<	<<
TIBPAL20R8-5	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20R8-7	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X10	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X10-20	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X10-25	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X10-30	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X4	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X4-20	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X4-25	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X4-30	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X8	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X8-20	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X8-25	24	28					<<	<<	<<	<<	<<	<<
TIBPAL20X8-30	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10-10	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10-15	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10-20	26	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10-5	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10-7	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22V10A	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22VP10-20	24	28					<<	<<	<<	<<	<<	<<
TIBPAL22VP10-25	24	28					<<	<<	<<	<<	<<	<<
TIBPLS506	24	28					<<	<<	<<	<<	<<	<<
TIBPLS506A	24	28					<<	<<	<<	<<	<<	<<
TIBPSG507	24	28					<<	<<	<<	<<	<<	<<
TIBPSG507A	24	28					<<	<<	<<	<<	<<	<<
TICPAL16L8-55	20						<<	<<	<<	<<	<<	<<
TICPAL16R4-55	20						<<	<<	<<	<<	<<	<<
TICPAL16R6-55	20						<<	<<	<<	<<	<<	<<
TICPAL16R8-55	20						<<	<<	<<	<<	<<	<<
TICPAL22V10Z (0 PWR)	24	28					<<	<<	<<	<<	<<	<<
TICPAL22V10Z (TURBO)	24	28					<<	<<	<<	<<	<<	<<
TIEPAL10016P8-3	24	28					<<	<<	<<	<<	<<	<<
TIEPAL10H16P8-3	24	28					<<	<<	<<	<<	<<	<<
TIEPAL10H16P8-6	24	28					<<	<<	<<	<<	<<	<<
TIFPLA839	24	28					<<	<<	<<	<<	<<	<<
TIFPLA840	24	28					<<	<<	<<	<<	<<	<<
TMS2516	24	32					<<	<<	<<	<<	<<	<<
TMS2532	24	32					<<	<<	<<	<<	<<	<<
TMS2532A	24						<<	<<	<<	<<	<<	<<
TMS2564	26	32					<<	<<	<<	<<	<<	<<
TMS25L32	24						<<	<<	<<	<<	<<	<<
TMS27128	28						<<	<<	<<	<<	<<	<<
TMS2732A	24						<<	<<	<<	<<	<<	<<
TMS2764	26						<<	<<	<<	<<	<<	<<
TMS27C010	32						<<	<<	<<	<<	<<	<<
TMS27C010A	32	32					<<	<<	<<	<<	<<	<<
TMS27C020	32						<<	<<	<<	<<	<<	<<
TMS27C040	32	32					<<	<<	<<	<<	<<	<<
TMS27C128	28	32					<<	<<	<<	<<	<<	<<
TMS27C210	40	44					<<	<<	<<	<<	<<	<<
TMS27C210A	40	44					<<	<<	<<	<<	<<	<<
TMS27C240	40						<<	<<	<<	<<	<<	<<
TMS27C256	28	32					<<	<<	<<	<<	<<	<<
TMS27C291	24	28					<<	<<	<<	<<	<<	<<
TMS27C292	24						<<	<<	<<	<<	<<	<<
TMS27C32	24						<<	<<	<<	<<	<<	<<
TMS27C49	24	26					<<	<<	<<	<<	<<	<<
TMS27C512	28	32					<<	<<	<<	<<	<<	<<
TMS27C64	28						<<	<<	<<	<<	<<	<<
TMS27P32A	24						<<	<<	<<	<<	<<	<<
TMS27P64	26						<<	<<	<<	<<	<<	<<
TMS27PC010	32	32					<<	<<	<<	<<	<<	<<
TMS27PC010A	32	32					<<	<<	<<	<<	<<	<<
TMS27PC020	32	32					<<	<<	<<	<<	<<	<<
TMS27PC040	32	32					<<	<<	<<	<<	<<	<<
TMS27PC128	28	32					<<	<<	<<	<<	<<	<<
TMS27PC210	40	44					<<	<<	<<	<<	<<	<<
TMS27PC240	40						<<	<<	<<	<<	<<	<<
TMS27PC256	28	32					<<	<<	<<	<<	<<	<<
TMS27PC32	24						<<	<<	<<	<<	<<	<<
TMS27PC49	24	26					<<	<<	<<	<<	<<	<<
TMS27PC512	28	32					<<	<<	<<	<<	<<	<<
TMS27C64	28						<<	<<	<<	<<	<<	<<
TMS27P32A	24						<<	<<	<<	<<	<<	<<
TMS27P64	26						<<	<<	<<	<<	<<	<<
TMS27PC010	32	32					<<	<<	<<	<<	<<	<<
TMS27PC010A	32	32					<<	<<	<<	<<	<<	<<
TMS27PC020	32	32					<<	<<	<<	<<	<<	<<
TMS27PC040	32	32					<<	<<	<<	<<	<<	<<
TMS27PC128	28	32					<<	<<	<<	<<	<<	<<
TMS27PC210	40	44					<<	<<	<<	<<	<<	<<
TMS27PC240	40						<<	<<	<<	<<	<<	<<
TMS27PC256	28	32					<<	<<	<<	<<	<<	<<
TMS27PC32	24						<<	<<	<<	<<	<<	<<
TMS27PC49	24	26					<<	<<	<<	<<	<<	<<
TMS27PC512	28	32					<<	<<	<<	<<	<<	<<
TMS27C64	28						<<	<<	<<	<<	<<	<<
TMS27P32A	24						<<	<<	<<	<<	<<	<<
TMS27P64	26						<<	<<	<<	<<	<<	<<
TMS27PC010	32	32					<<	<<	<<	<<	<<	<<
TMS27PC010A	32	32					<<	<<	<<	<<	<<	<<
TMS27PC020	32	32					<<	<<	<<	<<	<<	<<
TMS27PC040	32	32					<<	<<	<<	<<	<<	<<
TMS27PC128	28	32					<<	<<	<<	<<	<<	<<
TMS27PC210	40	44					<<	<<	<<	<<	<<	<<
TMS27PC240	40						<<	<<	<<	<<	<<	<<
TMS27PC256	28	32					<<	<<	<<	<<	<<	<<
TMS27PC32	24						<<	<<	<<	<<	<<	<<
TMS27PC49	24	26					<<	<<	<<	<<	<<	<<
TMS27PC512	28	32					<<	<<	<<	<<	<<	<<
TMS27C64	28						<<	<<	<<	<<	<<	<<
TMS27P32A	24						<<	<<	<<	<<	<<	<<
TMS27P64	26						<<	<<	<<	<<	<<	<<
TMS27PC010	32	32					<<	<<	<<	<<	<<	<<
TMS27PC010A	32	32					<<	<<	<<	<<	<<	<<
TMS27PC020	32	32					<<	<<	<<	<<	<<	<<
TMS27PC040	32	32					<<	<<	<<	<<	<<	<<
TMS27PC128	28	32					<<	<<	<<	<<	<<	<<
TMS27PC210	40	44					<<	<<	<<	<<	<<	<<
TMS27PC240	40						<<	<<	<<	<<	<<	<<
TMS27PC256	28	32					<<	<<	<<	<<	<<	<<
TMS27PC32	24						<<	<<	<<	<<	<<	<<
TMS27PC49	24	26					<<	<<	<<	<<	<<	<<
TMS27PC512	28	32					<<	<<	<<	<<	<<	<<
TMS27C64	28						<<	<<	<<	<<	<<	<<
TMS27P32A	24						<<	<<	<<	<<	<<	<<
TMS27P64	26						<<	<<	<<	<<	<<	<<
TMS27PC010	32	32					<<	<<	<<	<<	<<	<<
TMS27PC010A	32	32					<<	<<	<<	<<	<<	<<
TMS27PC020	32	32					<<	<<	<<	<<	<<	<<
TMS27PC040	32	32					<<	<<	<<	<<	<<	<<
TMS27PC128	28	32					<<	<<	<<	<<	<<	<<
TMS27PC210	40	44					<<	<<	<<	<<	<<	<<
TMS27PC240	40						<<	<<	<<	<<	<<	<<
TMS27PC256	28	32					<<	<<	<<	<<	<<	<<
TMS27PC32	24						<<	<<	<<	<<	<<	<<

Some devices are supported by the head indicated (available from BP Microsystems). †Requires adapter from third party. TVO runs test vectors only: cannot program.
SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	CP-1148	PLD-1128	EP-1140	EP-1132
TMM27256A	28						✓	✓	✓	✓	✓	✓
TMM27256AD	28						✓	✓	✓	✓	✓	✓
TMM27256ADI	28						✓	✓	✓	✓	✓	✓
TMM27256BD	28						✓	✓	✓	✓	✓	✓
TMM27256BDI	28						✓	✓	✓	✓	✓	✓
TMM27256D	28						✓	✓	✓	✓	✓	✓
TMM27256DI	28						✓	✓	✓	✓	✓	✓
TMM2732	24						✓	✓	✓	✓	✓	✓
TMM27512	28						✓	✓	✓	✓	✓	✓
TMM27512AD	28						✓	✓	✓	✓	✓	✓
TMM27512ADI	28						✓	✓	✓	✓	✓	✓
TMM27512D	28						✓	✓	✓	✓	✓	✓
TMM27512DI	28						✓	✓	✓	✓	✓	✓
TMM2764	28						✓	✓	✓	✓	✓	✓
TMM2764A	28						✓	✓	✓	✓	✓	✓
TMM2764AD	28						✓	✓	✓	✓	✓	✓
TMM2764ADI	28						✓	✓	✓	✓	✓	✓
TMM2764D	26						✓	✓	✓	✓	✓	✓
TMM2764DI	26						✓	✓	✓	✓	✓	✓
TMM28257P	28						✓	✓	✓	✓	✓	✓
TMP47P820F	-			80			✓	✓	✓	✓	✓	✓
TMP68HC11A1	-	52					✓	✓	✓	✓	✓	✓
TMP68HC11A8	-	52					✓	✓	✓	✓	✓	✓
TMP68HC11E1	-	52					✓	✓	✓	✓	✓	✓
TMP68HC11E9	-	52					✓	✓	✓	✓	✓	✓

VLSI Technology

VP16V8E-25	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E-35	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8EQ-25	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 10H8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 10L8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 10P8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 12H6	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 12L6	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 12P6	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 14H4	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 14L4	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 14P4	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16H2	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16H8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16L2	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16L8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16P2	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16P8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16R4	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16R6	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16R8	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16RP4	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16RP6	20	20	20				✓	✓	✓	✓	✓	✓
VP16V8E as 16RP8	20	20	20				✓	✓	✓	✓	✓	✓
VP20V8E-25	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8EQ-25	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 14H8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 14L8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 14P8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 16H6	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 16L6	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 16P6	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 18H4	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 18L4	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 18P4	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20H2	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20H8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20L2	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20L8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20P2	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20P8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20R4	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20R6	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20R8	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20RP4	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20RP6	24	28	24				✓	✓	✓	✓	✓	✓
VP20V8E as 20RP8	24	28	24				✓	✓	✓	✓	✓	✓
VT27C256	28						✓	✓	✓	✓	✓	✓
VT27C512	28						✓	✓	✓	✓	✓	✓
VT27C64	28						✓	✓	✓	✓	✓	✓

Waferscale Integration

MAP168	-	44	-	44	-		✓	✓	✓	✓	✓	✓
PAC1000	-	-	-	88	100	-	✓	✓	✓	✓	✓	✓
PSD301	-	44	-	44	52	-	✓	✓	✓	✓	✓	✓
PSD301L	-	44	-	-	-	-	✓	✓	✓	✓	✓	✓
PSD302	-	44	-	44	52	-	✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	PLD-1128	EP-1128	EP-1140	EP-1132
PSD302L	-	44	-	-	-	-	✓	✓	-	-	-	-	-
PSD303	-	44	-	44	44	-	✓	✓	†	-	†	-	-
PSD303L	-	44	-	-	44	-	✓	✓	-	-	-	-	-
PSD311	-	44	-	-	52	-	✓	✓	†	-	†	-	-
PSD311L	-	44	-	-	-	-	✓	✓	-	-	-	-	-
PSD312	-	44	-	-	52	-	✓	✓	†	-	†	-	-
PSD312L	-	44	-	-	-	-	✓	✓	-	-	-	-	-
PSD313	-	44	-	-	44	-	✓	✓	†	-	†	-	-
PSD313L	-	44	-	-	44	-	✓	✓	-	-	-	-	-
PSD401A1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD401A2	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD402A1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD402A2	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD403A1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD403A2	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD411A1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD411A2	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD412A1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD412A2	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD413A1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD413A2	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD501B1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD502B1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD503B1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD511B1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD512B1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
PSD513B1	-	68	-	-	-	-	SM	SM	-	-	-	-	-
SAM448	28	28	-	-	-	-	-	-	28A 28A	-	-	-	-
WS27C010L	32	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C040L	32	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C128F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C128L	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C210L	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C256F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C256L	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C512F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C512L	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C64F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS27C64L	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C128F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C128FB	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C191	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C191B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C191C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C256F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C256FB	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C257	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C291	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C291B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C291C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C43	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C43B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C43C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C45	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C49	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C49B	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C49C	24	28	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C51	28	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C512F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C51B	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C51C	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C64F	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C65	40	44	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
WS57C71C	28	32	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1128	EP-1140	EP-1132
8090	56	-	-	-	-	-	✓	✓	-	-	-	✓	-	-
C8-P31	40	-	-	-	-	-	✓	✓	+	-	-	✓	-	-
C8-P31F-64	40	-	-	-	-	-	✓	✓	+	-	-	✓	-	-
Xicor														
X2001	24	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2004	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X20C04	28	32	28	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X20C05	28	32	28	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X20C16	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X20C17	24	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2201A	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2210	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2210A	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2212	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2212A	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X22C10	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X22C11	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X22C12	18	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24001	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24012	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2402	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24022	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2404	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24042	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24164	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2444	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C00	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C01	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C01A	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C02	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C04	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C08	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C16	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C44	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X24C45	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X25020	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X25040	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X25043	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X25401	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X25640	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X25C02	8	-	14	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2804A	24	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2816A	24	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2816B	24	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2816C	24	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28256	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2864A	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2864B	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X2864H	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28C010	32	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28C256	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28C512	32	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28C513	-	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28C64	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28HC16	24	32	24	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28HC256	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28HC64	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28TC256	32	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X28VC256	28	32	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X68C64	24	-	24	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X76041	8	-	8	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X84041	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X86C64	24	-	24	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X88C64	24	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X88C75	48	44	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X9241P	20	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X9312	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X9313	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X9C104P	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
X9C503P	8	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
XM28C010	32	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	-
Xilinx														
XC17128	8	20	8	-	-	-	✓	✓	✓	28A/S	-	40A	-	-
XC17128D	8	20	8	-	-	-	✓	✓	✓	28A/S	-	40A	-	-
XC1718	8	20	8	-	-	-	✓	✓	✓	28A	-	40A	-	-
XC1718D	8	20	8	-	-	-	✓	✓	✓	28A/S	-	40A	-	-
XC1718L	8	20	8	-	-	-	✓	✓	✓	-	-	-	-	-
XC17256D	8	20	8	-	-	-	✓	✓	✓	-	-	40A	-	-
XC1736	8	20	8	-	-	-	✓	✓	✓	28A	-	40A	-	-
XC1736A	8	20	8	-	-	-	✓	✓	✓	28A	-	40A	-	-
XC1736D	8	20	8	-	-	-	✓	✓	✓	28A/S	-	40A	-	-
XC1765	8	20	8	-	-	-	✓	✓	✓	28A	-	40A	-	-

DEVICE	DIP	PLCC	SOIC	PGA	QFP	TSOP	BP-2100	BP-1200	BP-1148	CP-1128	PLD-1128	EP-1128	EP-1140	EP-1132
XC1765D	8	20	8	-	-	-	✓	✓	✓	28A/S	-	40A	-	-
XC1765L	8	20	8	-	-	-	✓	✓	✓	28A/S	-	40A	-	-
XC7236	-	44	-	-	-	-	✓	✓	✓	-	-	✓	✓	-
XC7236A	-	44	-	-	-	-	✓	✓	✓	-	-	✓	✓	-
XC7272 (68-pin)	-	68	-	-	-	-	✓	✓	✓	-	-	✓	✓	-
XC7272 (84-pin)	-	84	-	84	-	-	✓	✓	✓	-	-	✓	✓	-
XC7272A (68-pin)	-	68	-	-	-	-	✓	✓	✓	-	-	✓	✓	-
XC7272A (84-pin)	-	84	-	84	-	-	✓	✓	✓	-	-	✓	✓	-
XC73108 (84 PIN)	-	84	-	-	-	-	SM	SM	-	-	-	-	-	-
XC7318	-	44	-	-	44	-	✓	✓	✓	-	-	✓	✓	-
XC7336	-	44	-	-	44	-	✓	✓	✓	-	-	✓	✓	-
XC7354 (44 PIN)	-	44	-	-	-	-	✓	✓	✓	-	-	✓	✓	-
XC7372 (68 PIN)	-	68	-	-	-	-	SM	SM	-	-	-	-	-	-
XC7372 (84 PIN)	-	84	-	-	-	-	SM	SM	-	-	-	-	-	-
Zilog														
Z86E04	18	-	-	-	-	-	✓	✓	-	✓	-	†	-	-
Z86E08	18	-	-	-	-	-	✓	✓	-	✓	-	†	-	-
Z86E21	40	44	-	-	44	-	✓	✓	-	✓	-	†	-	-
Z86E22	40	44	-	-	44	-	✓	✓	-	✓	-	†	-	-
Z86E23	40	44	-	-	-	-	✓	✓	-	✓	-	†	-	-
Z86E30	28	-	-	-	-	-	✓	✓	-	✓	-	†	-	-
Z86E31	28	-	-	-	-	-	✓	✓	-	✓	-	†	-	-
Z86E40	40	44	-	-	44	-	✓	✓	-	✓	-	†	-	-
Z86E63	40	-	-	-	-	-	✓	✓	-	✓	-	†	-	-

Total Device / Package Counts

BP-2100	4066	7345
BP-1200	4355	7865
BP-1148	3788	7134
CP-1128	3056	5893
PLD-1128	1736	3660
EP-1140	1581	2507
EP-1132	1115	1801
EP-1 V3.19	593	883

Devices Supported	4366
Manufacturers	68

EMULATIONS

Outils et Instruments Électroniques

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Télécopie : (1) 60.19.29.50

Some devices are supported by the head indicated (available from BP Microsystems). †Requires adapter from third party. TVO runs test vectors only; cannot program.
SM requires special module. + Optional device support. Call us if your chip is not listed. 800-225-2102 713-688-4600 1000 N. Post Oak Houston, TX 77055