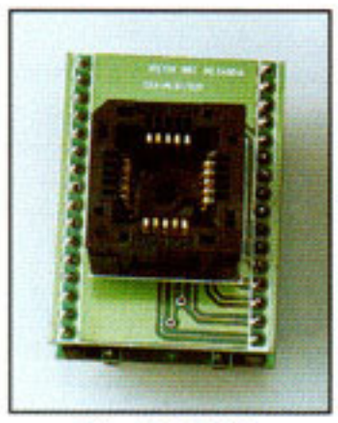
Adapters of SUPERPRO®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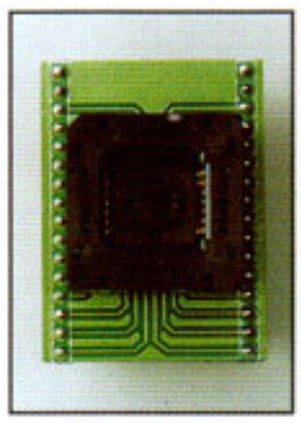
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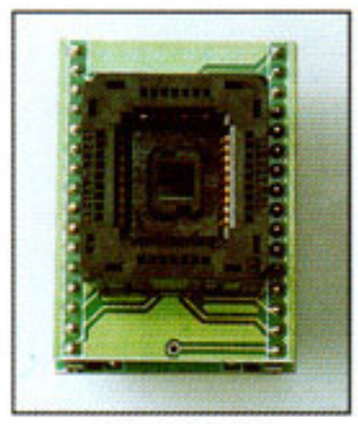
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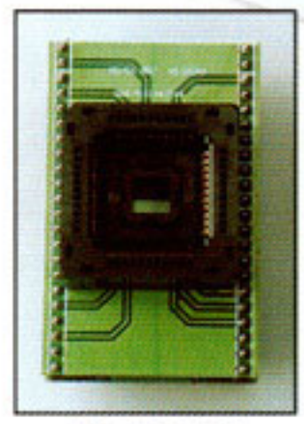
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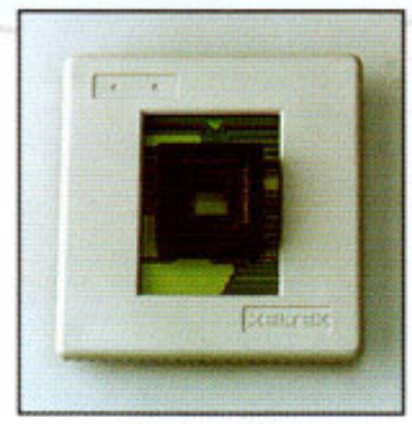
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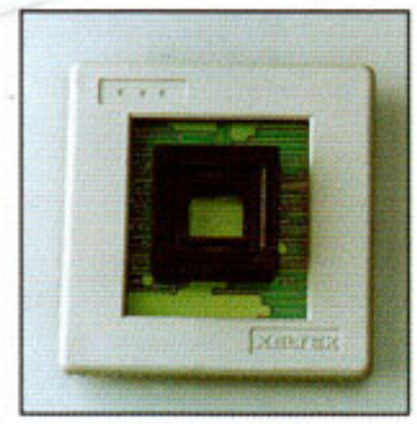
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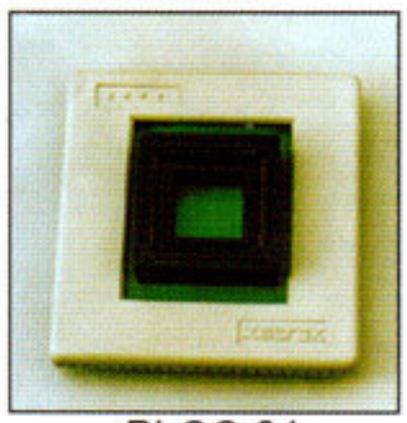
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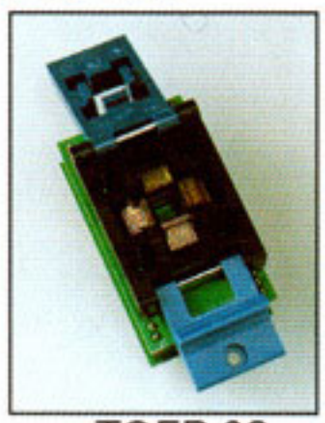
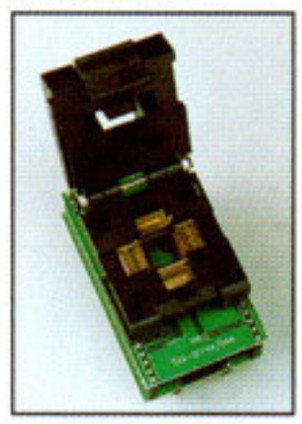

TQFP 32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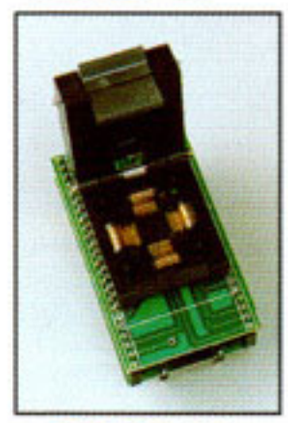
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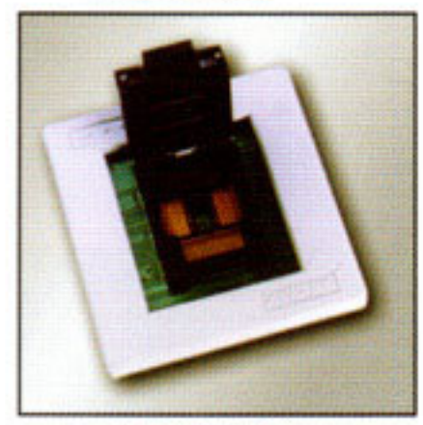
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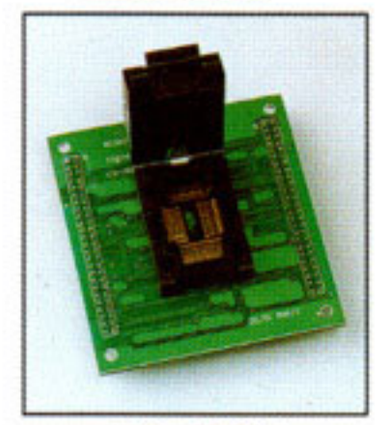
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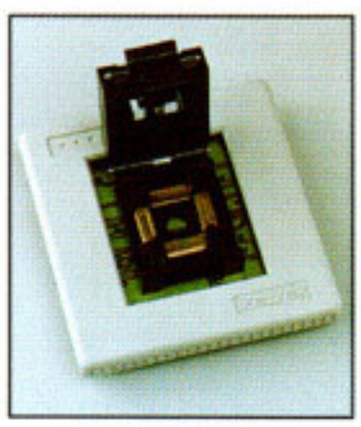
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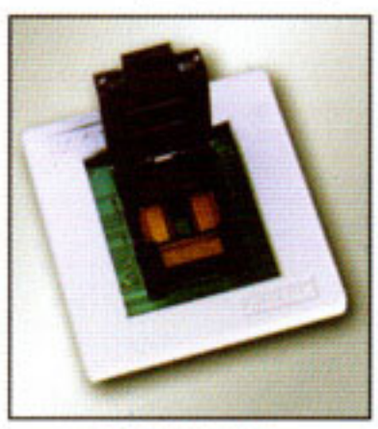
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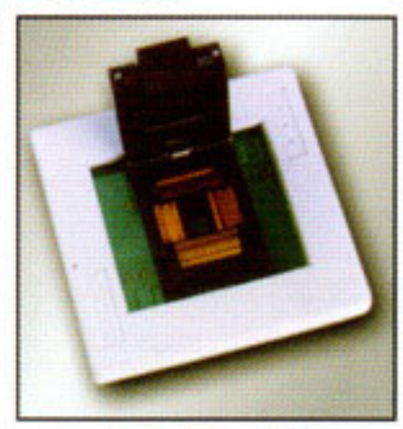
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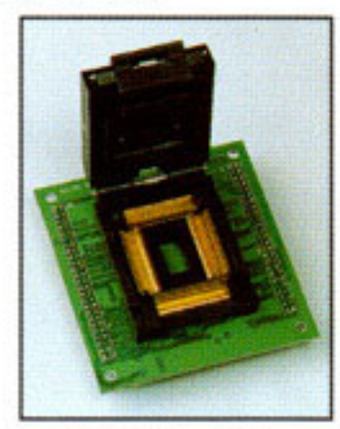
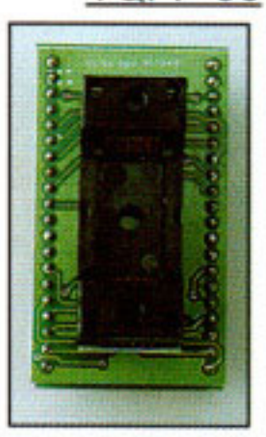
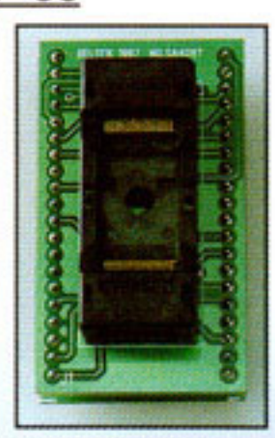

PQFP 160

TSOP 24


TSOP 32(Ⅰ)

TSOP 32(Ⅱ)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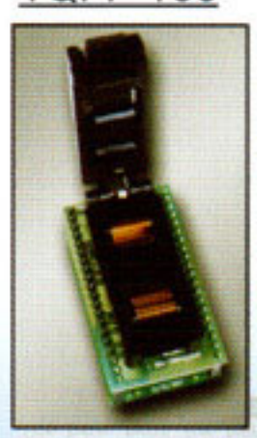
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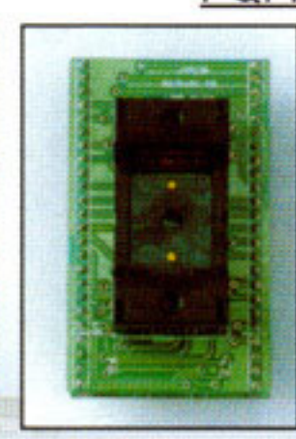
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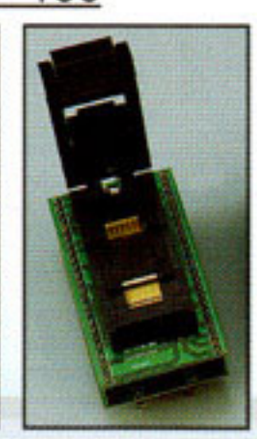
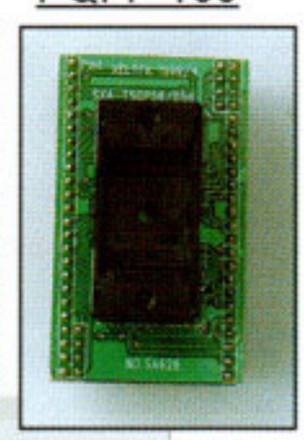

TSOP 48(Ⅱ)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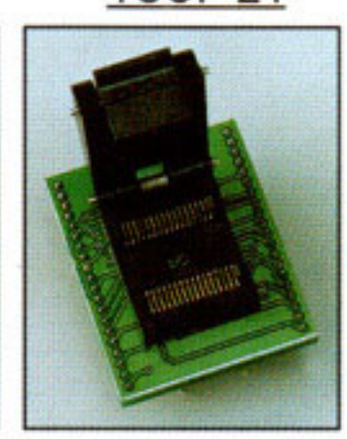
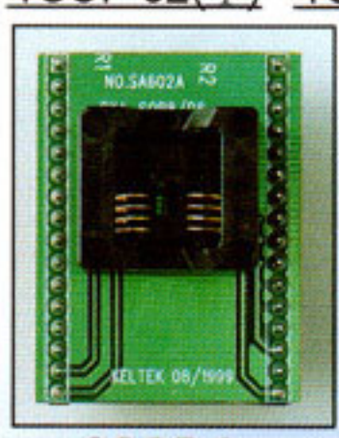

SOP 32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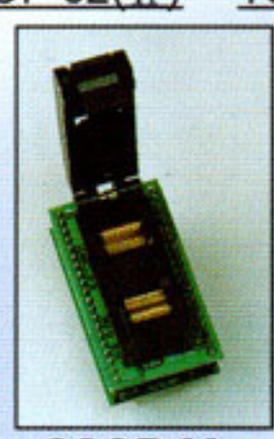
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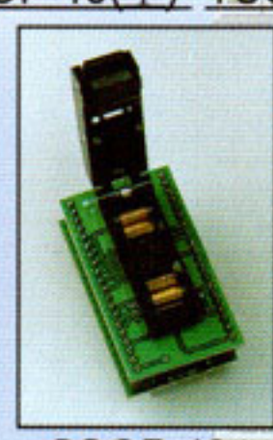
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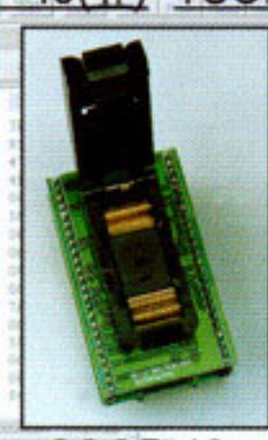
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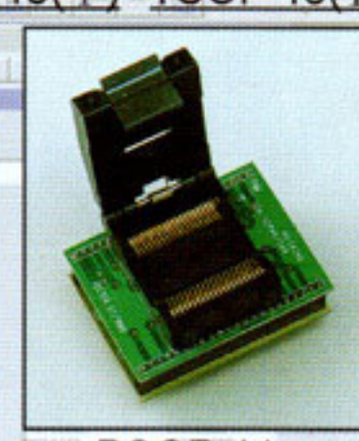
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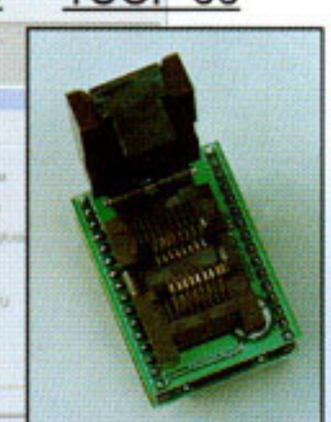
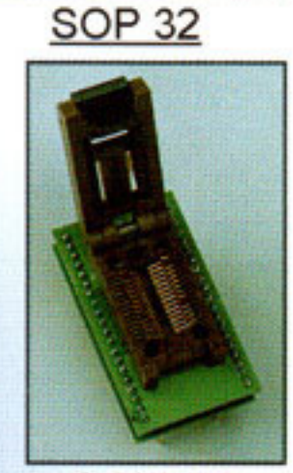

SOIC 16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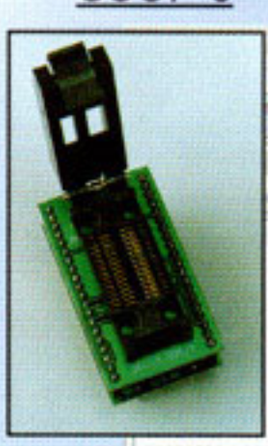
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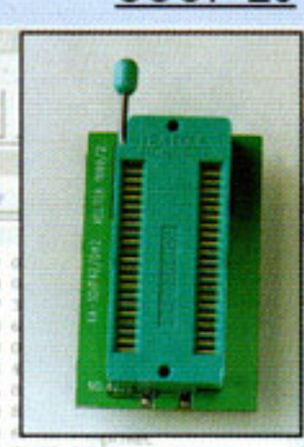
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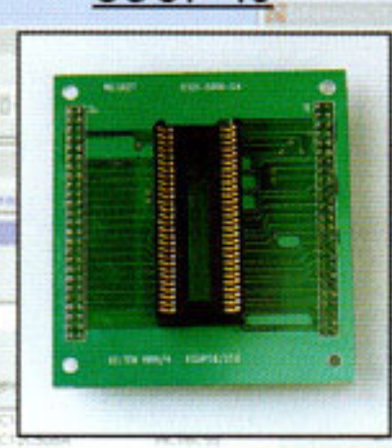
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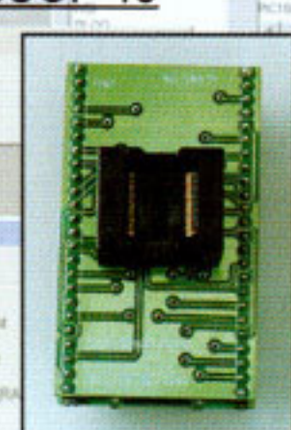
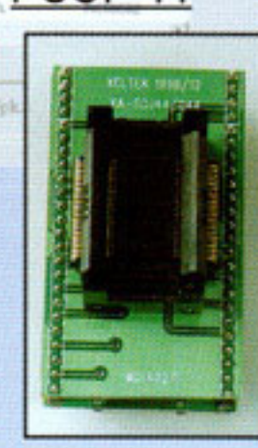

SON 46


SOJ 44

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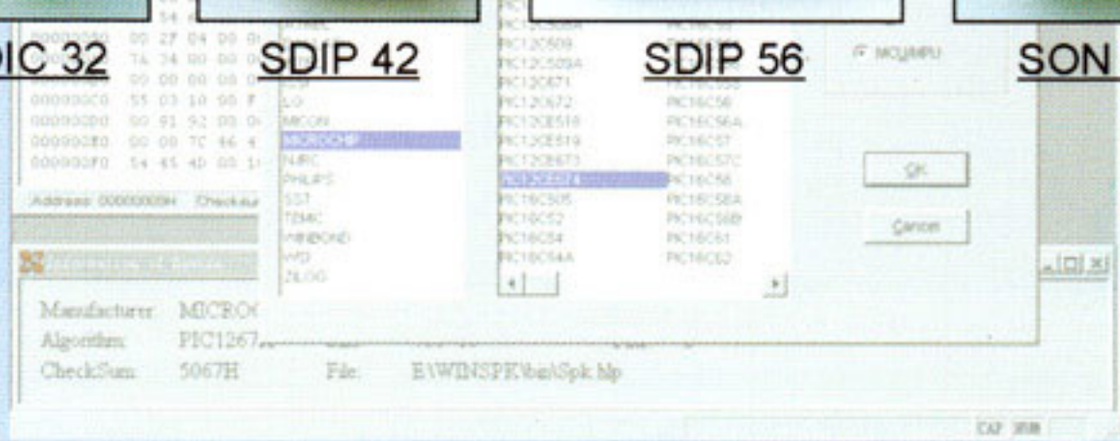

XELTEK

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EMAIL: info@xeltek.com

ADAPTER LIST OF SUPERPRO®

A: Length*Width B: Contact Position C: Length*Width (include Pin) P: Pitch

S/N	TOP PCB	BOT PCB	P(mm)	A(mm)	B(mm)	C(mm)	Examples of devices supported
				PLCC			
SA001A#	PLCC20/D20	-	1.27	9.0*9.0	-	10*10	Versatile, 16V8,16R4...(Dead),XC17000,AT17XXX(Live)
SA008A#	PLCC28/D28	-	1.27	11.5*11.5	-	12.5*12.5	Versatile, 27C128,PALCE22V10,20V8...
A018*	PLCC28/D24-1	-	1.27	11.5*11.5	-	12.5*12.5	Generic, GAL20V8,22V10...
SA015A1T	PLCC32/D32	-	1.27	14.1*14.1	-	14.8*14.8	Versatile, 27C010,29F040...
A002*	PLCC32/D28	-	1.27	14.1*14.1	-	14.8*14.8	Generic, 2764, 27128, 27256, 27512...
SA244	PLCC44/D44	-	1.27	17.5*17.5	-	18.3*18.3	Versatile, PSD311,89C51,27C1024,MACH111...
A004*	PLCC44/D40-1	-	1.27	17.5*17.5	-	18.3*18.3	Generic, 8748, 8751, 89C5X,87C251...
A005*	PLCC44/D40-2	-	1.27	17.5*17.5	-	18.3*18.3	Generic, 40Pin EPROM (271024,272048,274096...)
S415T	PLCC52/D100	PEP	1.27	19.2*19.2	-	20.1*20.1	Versatile, 68HC711K4...
SA647*	PLCC52/D40	B5201	1.27	19.2*19.2	-	20.1*20.1	Special, INTEL 87C196JQ/JR/JT/JV
S414T	PLCC68/D100	PEP	1.27	24.2*24.2	-	25.3*25.3	Versatile,EPM7064,PSD5XX,X9572,87C552,68HC711K4..
SA648*	PLCC68/D40	B6801	1.27	24.2*24.2	-	25.3*25.3	Special, INTEL 87C196KB/KC/KD
	PLCC68/D40	B6802	1.27	24.2*24.2	-	25.3*25.3	Special, INTEL 87C196KR/KQ/KT/KS/JR
	PLCC68/D40	B6803	1.27	24.2*24.2	-	25.3*25.3	Special, INTEL 8796BH/JF//8797BH/8797JF
	PLCC68/D40	B6805	1.27	24.2*24.2	-	25.3*25.3	Special, INTEL 87C196CA
S416T	PLCC84/D100	PEP	1.27	29.3*29.3	-	30.2*30.2	Versatile,EPM7128,MACH435,X95108...
SA649*	PLCC84/D40	B8401	1.27	29.3*29.3	-	30.2*30.2	Special, INTEL 87C196MH/MC
				QFP			
SA636	TQFP32/D32	-	0.8	7*7	8.4*8.4	9*9	Versatile, Atmel90S4433,2333...
SA245	TQFP44/D44	-	0.8	10*10	11.7*11.7	12.6*12.6	Versatile, 89C51,PSD311...
A011*	TQFP44/D40-1	-	0.8	10*10	11.7*11.7	12.6*12.6	Generic, 89C5X, 87C5X...
SA248	TQFP48/D48	-	0.5	7*7	8.2*8.2	9*9	Versatile, Xicor 76F128...
S625A	TQFP64/D64	PEP	0.8	14*14	15.4*15.4	16.2*16.2	Versatile, Atmega 103L...
S621	TQFP64/D64	PEP	0.8	14*14	15.6*15.6	17.2*17.2	Versatile, Toshiba 87PH00DF...
S616	TQFP64/D64	PEP	0.5	10*10	11.3*11.3	12*12	Versatile, Toshiba 87PM412...
S417T	PQFP64/D100	PEP	1.0	14*20	15.8*21.8	17.2*23.2	Versatile, ...
S618	PQFP64/D64	PEP	1.0	14*20	16.3*22.6	17.6*23.9	Versatile, Toshiba 87PH20F...
S640	TQFP80/D100	PEP	0.5	12*12	-	-	Versatile, PXA-S37
S615B	TQFP80/D80	PEP	0.65	14*14	16*16	17.2*17.2	Versatile, Siemens SAB-C515C-8EM...
S611A	PQFP80/D80	PEP	0.8	14*20	16.6*22.6	17.9*23.9	Versatile, Toshiba 87PH20F...
S427	PQFP100/100	PEP	0.65	14*20	16.3*22.3	17.6*23.6	Versatile, CPLD, Toshiba 87PH75F/78F...
S604	TQFP100/100	PEP	0.5	14*14	15.2*15.2	16*16	Versatile, CPLD,EPM7128...
S608**	TQFP160/D28	PEP	0.65	28*28	-	-	CPLD, EPM7192X, 7256X...
S609**	TQFP160/D100	PEP	0.65	28*28	-	-	CPLD, EPM7128X/7160X...
S610**	TQFP160/D80	PEP	0.65	28*28	-	-	CPLD, MACH320/384/512...
				TSOP/SOP/SSOP/TSSOP/SOIC/PSOP/SON/SOIC			
SA410T#	TSOP32/D32(I)	-	0.5	18.4	19.2	20.0	Versatile, Amd 29F040B,27C010...
SA620	TSOP32/D32(II)	-	0.5	12.4	13.0	14.0	Sanyo 28F400,SST39VF010...
SA409T	TSOP40/D40(I)	-	0.5	18.4	19.2	20.0	Versatile, 28F002/004/008,29F002/004/008...
SA409T	TSOP40/D40(I)	-	0.5	18.4	19.2	20.0	Versatile, 28F002/004/008,29F002/004/008...
SA623	TSOP40/D40(II)	-	0.5	12.4	13.0	14.0	Versatile, 26C1024...
SA247	TSOP48/D48(I)	-	0.5	18.4	19.2	20.0	Versatile, Amd29F400B...
SA247A	TSOP48/D48(I)	-	0.5	18.4	19.2	20.0	Versatile, Amd29F400B...
SA024	TSOP48/D48(II)	-	0.5	16	16.6	17.6	Versatile, Sharp LH532GYE...
SA637	TSOP48/D48(III)	-	0.4	12.4	-	-	Versatile, Sharp LRS1306...
SA645	TSOP54/D48	-	0.8	10.16	-	11.76	Versatile, CY7C1021, IDT71016
SA628	TSOP56/D56	B011	0.5	18.4	19.2	20.0	INTEL 28F016/032SA/SV/XS...
		B012	0.5	18.4	19.2	20.0	INTEL 28F200BV
		B014	0.5	18.4	19.2	20.0	INTEL 28F800S3
		B017	0.5	18.4	19.2	20.0	ATMEL At49BV1604
		B018	0.5	18.4	19.2	20.0	INTEL 28F128/320/640J3A
SA635	SOIC20/D20	-	0.65	4.4	5.6	6.4	Versatile, AT89C2051,LG97C2051...
SA026#	TSOP24/D24	-	0.65	4.4	5.2	6.4	Versatile, Atmel Catalyst 34W02...
SA626A#	SSOP34/D34	-	0.65	5.3	6.4	7.8	Versatile, Microchip PIC16C54...
SA430T#	SSOP28/D28	-	0.55	11.8	12.4	13.4	Versatile, 28C64...
SA430TA	SSOP28/D28	-	0.55	11.8	12.4	13.4	Versatile, 28C64...
SA438T#	SOP32/D32	-	1.27	11.6	12.6	14.2	Versatile, HM628128BLP-8...
SA602A#	SOP8/D8	-	1.27	4.0	5.0	6.0	Versatile, X17XXX,93C46...
SA602#	SOIC16/D16	-	1.27	4.0	5.4	6.9	Versatile, X17XX,93C46,25128,X84161...
SA605A#	SOIC8/D8	-	1.27	5.3	6.9	7.9	Versatile, Catalyst 24WC64...
SA023A#	SOIC20/D20	-	1.27	5.3	7.1	7.8	Versatile, Catalyst 24WC64...
SA404#	SOIC28/D28	-	1.27	7.8	9.0	10.5	Versatile, PIC16C5X,89C2051,COP8SX,LG97C2051...
SA630#	SOIC32/D32	-	1.27	8.9	11.3	12.5	Versatile, AT45D01A,Atmel 89S4D12S...
SA603#	SOIC32/D32	-	1.27	10.7	12.5	14.2	Versatile, 27C010/020/040...
SA638	PSOP44/D44	-	1.27	13.3	14.4	16.0	Versatile, Amd 29BL400B...
SA629	SSOP56/D56	B013	0.4	13.3	14.8	16.0	INTEL 28F160S3...
		B015	0.4	13.3	14.8	16.0	INTEL 28F800F3
		B020	0.4	13.3	14.8	16.0	AMD Am29LV640/641D
		B022	0.4	13.3	14.8	16.0	AMD Am29BL162C
SA631	SON46/D46	-	0.4	9.6	-	-	Versatile, Fujitsu 29LV800TA...
SA646	SOJ32/D32	-	1.27	7.4	-	8.4	Versatile, CY7C199
				SDIP/uBGA			
SA022#	SDIP28/D28	-	1.778	10.16	-	-	Versatile, Toshiba 47P241VN-528
SA641#	SDIP30/D30	-	1.778	13.9	-	-	Versatile, Gms81504T,AT49F8192...
SA028	SDIP42/D42	-	1.778	10.16	-	-	Versatile, Toshiba/87...
S627	SDIP56/D56	PEP	1.778	14.8	-	-	Versatile, Siemens SAB-C540U-1EP/C541U-1EP...
S600A	SDIP64/D64	PEP	1.778	14.8	-	-	Intel 87C196MC-564...
	SDIP64/D40	B6401	1.778	14.8	-	-	INTEL 87C196MH/MC
SA634	uBGA48/D48	-	0.75	6.5*7.91	-	-	Versatile, Intel 28F160B3/320B3,ST28W160B...
SA642	uBGA96/D96	B023	0.8	12*8	-	-	INTEL RD28F1602/3204C3
		B024	0.8	12*8	-	-	FUJITSU MB84VD2218XA
		B025	0.8	12*8	-	-	MICRON MT28C3212P2FL/P2FNL
		B026	0.8	12*8	-	-	AMD Am29DL322/323C
SA644	uBGA96/D96	-	0.75	7.6*16.37	-	-	-
S612A	PGA68/D68	PEP	2.54	-	-	-	Versatile, Intel 87C196MC...
	PGA68/D40	B6804	2.54	-	-	-	Special, Intel 8797BH/JF
S613	PGA44/D44	-	2.54	-	-	-	Versatile...

USAGE:

Versatile: Used for all devices of different types in this package. Valid for advanced models with universal pin-drivers like SP8000, SP2000+, SP680, SP580.
Generic: Convert SMT device to its correspondent DIL pin assignment. Valid for all models supporting the DIL chip.
Special: Valid for specific devices on specific models.

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