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*****
* SDP-UNIV-20SO (300mil 20Pin SOIC) *
* SDP-UNIV-20SO/200 (207mil 20Pin SOIC) *
* SDP-UNIV-20SS/200 Universal Adapter (20 PINs SSOP) *
* PLCC2020-01 (20 PINs PLCC) *
* Universal Adapter *
* CONNECTION TABLE: *
*****
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PIN Names	PLCC/SOIC20 SOCKET	20-Pin ZIF	DIP? SOCKET	PIN Names	PLCC/SOIC20 SOCKET	20-Pin ZIF	DIP SOCKET
*	1	1	? *	*	20	20	
*	2	2	? *	*	19	19	
*	3	3	? *	*	18	18	
*	4	4	? *	*	17	17	
*	5	5	? *	*	16	16	
*	6	6	? *	*	15	15	
*	7	7	? *	*	14	14	
*	8	8	? *	*	13	13	
*	9	9	? *	*	12	12	
*	10	10	? *	*	11	11	

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*****
* PLCC2824-04 (28 PINs PLCC) (NC =1,8,15,22) *
* CONNECTION TABLE: ? *
*****
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PIN Names	PLCC32 SOCKET	32-Pin ZIF	DIP? SOCKET	PIN Names	PLCC32 SOCKET	32-Pin ZIF	DIP SOCKET
*	1	NC	? *	*	28	24	
*	2	1	? *	*	27	23	
*	3	2	? *	*	26	22	
*	4	3	? *	*	25	21	
*	5	4	? *	*	24	20	
*	6	5	? *	*	23	19	
*	7	6	? *	*	22	NC	
*	8	NC	? *	*	21	18	
*	9	7	? *	*	20	17	
*	10	8	? *	*	19	16	
*	11	9	? *	*	18	15	
*	12	10	? *	*	17	14	
*	13	11	? *	*	16	13	
*	14	12	? *	*	15	NC	

```
*****
* PLCC3228-11 (32 PINs PLCC) (NC =1,12,17,26) *
* CONNECTION TABLE: ? *
*****
```

PIN Names	PLCC32 SOCKET	32-Pin ZIF	DIP? SOCKET	PIN Names	PLCC32 SOCKET	32-Pin ZIF	DIP SOCKET
*	1	NC	? *	*	32	28	
*	2	1	? *	*	31	27	
*	3	2	? *	*	30	26	
*	4	3	? *	*	29	25	
*	5	4	? *	*	28	24	
*	6	5	? *	*	27	23	
*	7	6	? *	*	26	NC	
*	8	7	? *	*	25	22	
*	9	8	? *	*	24	21	
*	10	9	? *	*	23	20	
*	11	10	? *	*	22	19	
*	12	NC	? *	*	21	18	
*	13	11	? *	*	20	17	
*	14	12	? *	*	19	16	
*	15	13	? *	*	18	15	
*	16	14	? *	*	17	NC	

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*****
* PLCC3232-11 Universal Adapter (32 PINs PLCC) *
* CONNECTION TABLE: ? *
*****
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PIN Names	PLCC32 SOCKET	32-Pin ZIF	DIP? SOCKET	PIN Names	PLCC32 SOCKET	32-Pin ZIF	DIP SOCKET
*	1	1	? *	*	32	32	
*	2	2	? *	*	31	31	
*	3	3	? *	*	30	30	
*	4	4	? *	*	29	29	
*	5	5	? *	*	28	28	
*	6	6	? *	*	27	27	

*	7	7	?	*	26	26
*	8	8	?	*	25	25
*	9	9	?	*	24	24
*	10	10	?	*	23	23
*	11	11	?	*	22	22
*	12	12	?	*	21	21
*	13	13	?	*	20	20
*	14	14	?	*	19	19
*	15	15	?	*	18	18
*	16	16	?	*	17	17

 * PLCC4440-01 (44 PINs PLCC) (NC =1,13,23,33) *
 * CONNECTION TABLE: ? *

PIN Names	PLCC44 SOCKET	44-Pin ZIF	DIP SOCKET	?	PIN Names	PLCC44 SOCKET	44-Pin ZIF	DIP SOCKET
*	1		NC	?	*	44		40
*	2		1	?	*	43		39
*	3		2	?	*	42		38
*	4		3	?	*	41		37
*	5		4	?	*	40		36
*	6		5	?	*	39		35
*	7		6	?	*	38		34
*	8		7	?	*	37		33
*	9		8	?	*	36		32
*	10		9	?	*	35		31
*	11		10	?	*	34		30
*	12		11	?	*	33		NC
*	13		NC	?	*	32		29
*	14		12	?	*	31		28
*	15		13	?	*	30		27
*	16		14	?	*	29		26
*	17		15	?	*	28		25
*	18		16	?	*	27		24
*	19		17	?	*	26		23
*	20		18	?	*	25		22
*	21		19	?	*	24		21
*	22		20	?	*	23		NC

 * PLCC4440-02 (44 PINs PLCC) (NC =1,12,23,34) *
 * CONNECTION TABLE: ? *

PIN Names	PLCC44 SOCKET	44-Pin ZIF	DIP SOCKET	?	PIN Names	PLCC44 SOCKET	44-Pin ZIF	DIP SOCKET
*	1		NC	?	*	44		40
*	2		1	?	*	43		39
*	3		2	?	*	42		38
*	4		3	?	*	41		37
*	5		4	?	*	40		36
*	6		5	?	*	39		35
*	7		6	?	*	38		34
*	8		7	?	*	37		33
*	9		8	?	*	36		32
*	10		9	?	*	35		31
*	11		10	?	*	34		NC
*	12		NC	?	*	33		30
*	13		11	?	*	32		29
*	14		12	?	*	31		28
*	15		13	?	*	30		27
*	16		14	?	*	29		26
*	17		15	?	*	28		25
*	18		16	?	*	27		24
*	19		17	?	*	26		23
*	20		18	?	*	25		22
*	21		10	?	*	24		21
*	22		20	?	*	23		NC

 * SDP-UNIV-16/TS Universal Adapter (16 PINs TSOP) *
 * CONNECTION TABLE: ? *

PIN Names	TSOP16 SOCKET	16-Pin ZIF	DIP SOCKET	?	PIN Names	TSOP16 SOCKET	16-Pin ZIF	DIP SOCKET
*	1		13	?	*	16		12
*	2		14	?	*	15		11
*	3		15	?	*	14		10

*	4	16	?	*	13	9
*	5	1	?	*	12	8
*	6	2	?	*	11	7
*	7	3	?	*	10	6
*	8	4	?	*	9	5

 * SDP-UNIV-16SO Universal Adapter (8 or 16 PINs SOIC) *
 * SDP-UNIV-16SO/170 Universal Adapter 1.27 pitch *
 * CONNECTION TABLE: *

PIN Names	SOIC16 SOCKET	16-Pin ZIF	DIP SOCKET	? PIN Names	SOIC16 SOCKET	16-Pin ZIF	DIP SOCKET
*	1	1	1	?	*	16	16
*	2	2	2	?	*	15	15
*	3	3	3	?	*	14	14
*	4	4	4	?	*	13	13
*	5	5	5	?	*	12	12
*	6	6	6	?	*	11	11
*	7	7	7	?	*	10	10
*	8	8	8	?	*	9	9

 * SDP-UNIV-24SS/150 Universal Adapter (24 PINs SSOIC) *
 * CONNECTION TABLE: ? *

PIN Names	SOIC24 SOCKET	24-Pin ZIF	DIP SOCKET	? PIN Names	SOIC24 SOCKET	24-Pin ZIF	DIP SOCKET
*	1	1	1	?	*	24	24
*	2	2	2	?	*	23	23
*	3	3	3	?	*	22	22
*	4	4	4	?	*	21	21
*	5	5	5	?	*	20	20
*	6	6	6	?	*	19	19
*	7	7	7	?	*	18	18
*	8	8	8	?	*	17	17
*	9	9	9	?	*	16	16
*	10	10	10	?	*	15	15
*	11	11	11	?	*	14	14
*	12	12	12	?	*	13	13

 * PLCC2828-11 Universal Adapter (28 PINs PLCC) *
 * SDP-UNIV-28SO/300 Universal Adapter (28 PINs SOIC) *
 * SDP-UNIV-28SS/200 Universal Adapter (28 PINs SSOP) *
 * CONNECTION TABLE: ? *

PIN Names	SOIC28 SOCKET	28-Pin ZIF	DIP SOCKET	? PIN Names	SOIC28 SOCKET	28-Pin ZIF	DIP SOCKET
*	1	1	1	?	*	28	28
*	2	2	2	?	*	27	27
*	3	3	3	?	*	26	26
*	4	4	4	?	*	25	25
*	5	5	5	?	*	24	24
*	6	6	6	?	*	23	23
*	7	7	7	?	*	22	22
*	8	8	8	?	*	21	21
*	9	9	9	?	*	20	20
*	10	10	10	?	*	19	19
*	11	11	11	?	*	18	18
*	12	12	12	?	*	17	17
*	13	13	13	?	*	16	16
*	14	14	14	?	*	15	15

 * SDP-UNIV-48SS/300 Universal Adapter (48 PINs SOP) *
 * CONNECTION TABLE: ? *

PIN/Signal Names	48-Lead SOCKET	SOP	48-Pin Base	DIP ? PIN/Signal Names	48-Lead SOCKET	SOP	48-Pin Base
*	1	1	1	?	*	48	48
*	2	2	2	?	*	47	47
*	3	3	3	?	*	46	46
*	4	4	4	?	*	45	45
*	5	5	5	?	*	44	44

*	6	6	?	*	43	43
*	7	7	?	*	42	42
*	8	8	?	*	41	41
*	9	9	?	*	40	40
*	10	10	?	*	39	39
*	11	11	?	*	38	38
*	12	12	?	*	37	37
*	13	13	?	*	36	36
*	14	14	?	*	35	35
*	15	15	?	*	34	34
*	16	16	?	*	33	33
*	17	17	?	*	32	32
*	18	18	?	*	31	31
*	19	19	?	*	30	30
*	20	20	?	*	29	29
*	21	21	?	*	28	28
*	22	22	?	*	27	27
*	23	23	?	*	26	26
*	24	24	?	*	25	25

 * SDP-UNIV-28TS (8mm * 14mm) *
 * SDP-UNIV-28TSS/170 (173mil pitch 0.65mm) *
 * Universal Adapter (28 PINs TSOP) *
 * CONNECTION TABLE: ? *

PIN	TSOP28	28-Pin DIP	?	PIN	TSOP28	28-Pin DIP
Names	SOCKET	ZIF SOCKET	?	Names	SOCKET	ZIF SOCKET
*	1	22	?	*	28	21
*	2	23	?	*	27	20
*	3	24	?	*	26	19
*	4	25	?	*	25	18
*	5	26	?	*	24	17
*	6	27	?	*	23	16
*	7	28	?	*	22	15
*	8	1	?	*	21	14
*	9	2	?	*	20	13
*	10	3	?	*	19	12
*	11	4	?	*	18	11
*	12	5	?	*	17	10
*	13	6	?	*	16	9
*	14	7	?	*	15	8

 * SDP-UNIV-32TS (8mm * 20mm) *
 * SDP-UNIV-32TS/W (8mm * 14mm) *
 * Universal Adapter (32 Pins TSOP) *
 * CONNECTION TABLE: ? *

PIN	TSOP32	32-Pin DIP	?	PIN	TSOP32	32-Pin DIP
Names	SOCKET	ZIF SOCKET	?	Names	SOCKET	ZIF SOCKET
*	1	25	?	*	32	24
*	2	26	?	*	31	23
*	3	27	?	*	30	22
*	4	28	?	*	29	21
*	5	29	?	*	28	20
*	6	30	?	*	27	19
*	7	31	?	*	26	18
*	8	32	?	*	25	17
*	9	1	?	*	24	16
*	10	2	?	*	23	15
*	11	3	?	*	22	14
*	12	4	?	*	21	13
*	13	5	?	*	20	12
*	14	6	?	*	19	11
*	15	7	?	*	18	10
*	16	8	?	*	17	9

 * SDP-UNIV-40TSS (40 PINs TSSOP) *
 * SDP-UNIV-40TS (10mm * 20mm) (40 PINs TSOP) *
 * SDP-UNIV-40TS/W (10mm * 14mm) (40 PINs TSOP) *
 * Universal Adapter *
 * CONNECTION TABLE: ? *

PIN	TSOP40	40-Pin DIP	?	PIN	TSOP40	40-Pin DIP
Names	SOCKET	ZIF SOCKET	?	Names	SOCKET	ZIF SOCKET
*	1	31	?	*	40	30

*	2	32	?	*	39	29
*	3	33	?	*	38	28
*	4	34	?	*	37	27
*	5	35	?	*	36	26
*	6	36	?	*	35	25
*	7	37	?	*	34	24
*	8	38	?	*	33	23
*	9	39	?	*	32	22
*	10	40	?	*	31	21
*	11	1	?	*	30	20
*	12	2	?	*	29	19
*	13	3	?	*	28	18
*	14	4	?	*	27	17
*	15	5	?	*	26	16
*	16	6	?	*	25	15
*	17	7	?	*	24	14
*	18	8	?	*	23	13
*	19	9	?	*	22	12
*	20	10	?	*	21	11

* SDP-UNIV-44/TS Universal Adapter (44 PINs TSOP) *
* CONNECTION TABLE: ? *

PIN Names	TSOP44 SOCKET	44-Pin ZIF	DIP SOCKET ?	PIN Names	TSOP44 SOCKET	44-Pin ZIF	DIP SOCKET
*	1	1	?	*	44	44	
*	2	2	?	*	43	43	
*	3	3	?	*	42	42	
*	4	4	?	*	41	41	
*	5	5	?	*	40	40	
*	6	6	?	*	39	39	
*	7	7	?	*	38	38	
*	8	8	?	*	37	37	
*	9	9	?	*	36	36	
*	10	10	?	*	35	35	
*	11	11	?	*	34	34	
*	12	12	?	*	33	33	
*	13	13	?	*	32	32	
*	14	14	?	*	31	31	
*	15	15	?	*	30	30	
*	16	16	?	*	29	29	
*	17	17	?	*	28	28	
*	18	18	?	*	27	27	
*	19	19	?	*	26	26	
*	20	20	?	*	25	25	
*	21	21	?	*	24	24	
*	22	22	?	*	23	23	

* SDP-UNIV-44 (44 PINs PLCC) *
* SDP-UNIV-44C (Clamshell socket) (44 PINs PLCC) *
* Universal Adapter *
* CONNECTION TABLE: ? *

PIN Names	PLCC44 SOCKET	44-Pin ZIF	DIP SOCKET ?	PIN Names	PLCC44 SOCKET	44-Pin ZIF	DIP SOCKET
*	1	1	?	*	44	44	
*	2	2	?	*	43	43	
*	3	3	?	*	42	42	
*	4	4	?	*	41	41	
*	5	5	?	*	40	40	
*	6	6	?	*	39	39	
*	7	7	?	*	38	38	
*	8	8	?	*	37	37	
*	9	9	?	*	36	36	
*	10	10	?	*	35	35	
*	11	11	?	*	34	34	
*	12	12	?	*	33	33	
*	13	13	?	*	32	32	
*	14	14	?	*	31	31	
*	15	15	?	*	30	30	
*	16	16	?	*	29	29	
*	17	17	?	*	28	28	
*	18	18	?	*	27	27	
*	19	19	?	*	26	26	
*	20	20	?	*	25	25	
*	21	21	?	*	24	24	
*	22	22	?	*	23	23	

 * SDP-UNIV-44Q Universal Adapter (44 PINs QFP) *
 * SDP-UNIV-44TQ Universal Adapter (44 PINs TQFP) *
 * CONNECTION TABLE: ? *

PIN Names	QFP44 SOCKET	44-Pin DIP ZIF SOCKET	? PIN Names	QFP44 SOCKET	44-Pin DIP ZIF SOCKET
*	1	7	?	44	6
*	2	8	?	43	5
*	3	9	?	42	4
*	4	10	?	41	3
*	5	11	?	40	2
*	6	12	?	39	1
*	7	13	?	38	44
*	8	14	?	37	43
*	9	15	?	36	42
*	10	16	?	35	41
*	11	17	?	34	40
*	12	18	?	33	39
*	13	19	?	32	38
*	14	20	?	31	37
*	15	21	?	30	36
*	16	22	?	29	35
*	17	23	?	28	34
*	18	24	?	27	33
*	19	25	?	26	32
*	20	26	?	25	31
*	21	27	?	24	30
*	22	28	?	23	29

 * SDP-UNIV-44PSO Universal Adapter (44 PINs PSOP) *
 * CONNECTION TABLE: ? *

PIN Names	PSOP44 SOCKET	44-Pin DIP ZIF SOCKET	? PIN Names	PSOP44 SOCKET	44-Pin DIP ZIF SOCKET
*	1	1	?	44	44
*	2	2	?	43	43
*	3	3	?	42	42
*	4	4	?	41	41
*	5	5	?	40	40
*	6	6	?	39	39
*	7	7	?	38	38
*	8	8	?	37	37
*	9	9	?	36	36
*	10	10	?	35	35
*	11	11	?	34	34
*	12	12	?	33	33
*	13	13	?	32	32
*	14	14	?	31	31
*	15	15	?	30	30
*	16	16	?	29	29
*	17	17	?	28	28
*	18	18	?	27	27
*	19	19	?	26	26
*	20	20	?	25	25
*	21	21	?	24	24
*	22	22	?	23	23

 * SDP-UNIV-48TSS (10mm * 14mm) (48 PINs TSSOP) *
 * SDP-UNIV-48TS (12mm * 20mm) (48 PINs TSOP) *
 * SDP-UNIV-48TS/W (12mm * 14mm) (48 PINs TSOP) *
 * Universal Adapter *
 * CONNECTION TABLE: ? *

PIN/Signal Names	48-Lead TSOP SOCKET	48-Pin DIP Base	? PIN/Signal Names	48-Lead TSOP SOCKET	48-Pin DIP Base
*	13	1	?	12	48
*	14	2	?	11	47
*	15	3	?	10	46
*	16	4	?	9	45
*	17	5	?	8	44
*	18	6	?	7	43
*	19	7	?	6	42
*	20	8	?	5	41
*	21	9	?	4	40
*	22	10	?	3	39
*	23	11	?	2	38

*	24	12	?	*	1	37
*	25	13	?	*	48	36
*	26	14	?	*	47	35
*	27	15	?	*	46	34
*	28	16	?	*	45	33
*	29	17	?	*	44	32
*	30	18	?	*	43	31
*	31	19	?	*	42	30
*	32	20	?	*	41	29
*	33	21	?	*	40	28
*	34	22	?	*	39	27
*	35	23	?	*	38	26
*	36	24	?	*	37	25

 * SDP-UNIV-42SD Shrink DIP Universal Adapter (42 PINs SDIP) *
 * CONNECTION TABLE: ? *

PIN Names	SDIP SOCKET	42-Pin ZIF	DIP SOCKET	? PIN Names	SDIP SOCKET	42-Pin ZIF	DIP SOCKET
*	1	1	1	? *	42	42	
*	2	2	2	? *	41	41	
*	3	3	3	? *	40	40	
*	4	4	4	? *	39	39	
*	5	5	5	? *	38	38	
*	6	6	6	? *	37	37	
*	7	7	7	? *	36	36	
*	8	8	8	? *	35	35	
*	9	9	9	? *	34	34	
*	10	10	10	? *	33	33	
*	11	11	11	? *	32	32	
*	12	12	12	? *	31	31	
*	13	13	13	? *	30	30	
*	14	14	14	? *	29	29	
*	15	15	15	? *	28	28	
*	16	16	16	? *	27	27	
*	17	17	17	? *	26	26	
*	18	18	18	? *	25	25	
*	19	19	19	? *	24	24	
*	20	20	20	? *	23	23	
*	21	21	21	? *	22	22	

 * SDP-5128-68 Altera EPM5128,Cypress CY7C342 (68 PINs PLCC) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND with a 10k?resistor (one resister for each pin)

PIN/Signal Names	68-Lead PLCC SOCKET	40-Pin DIP Base	? PIN Names	68-Lead PLCC SOCKET	40-Pin DIP Base
INPUT/CLK	1	NC	? INPUT	68	37
INPUT	2	NC	? GND	67	NC
VCC	3	40	? INPUT	66	36
I/O	4	1	? I/O	65	35
I/O	5	NC	? I/O	64	NC
I/O	6	NC	? I/O	63	NC
I/O	7	NC	? I/O	62	NC
I/O	8	NC	? I/O	61	NC
I/O	9	2	? I/O	60	34
I/O	10	3	? I/O	59	33
I/O	11	4	? I/O	58	32
I/O	12	5	? I/O	57	31
I/O	13	NC	? I/O	56	NC
I/O	14	NC	? I/O	55	NC
I/O	15	6	? VCC	54	40
GND	16	20	? I/O	53	30
I/O	17	7	? I/O	52	NC
I/O	18	NC	? I/O	51	29
I/O	19	8	? GND	50	20
VCC	20	40	? I/O	49	28
I/O	21	NC	? I/O	48	NC
I/O	22	NC	? I/O	47	NC
I/O	23	9	? I/O	46	27
I/O	24	10	? I/O	45	26
I/O	25	11	? I/O	44	25
I/O	26	12	? I/O	43	24
I/O	27	NC	? I/O	42	NC
I/O	28	NC	? I/O	41	NC
I/O	29	NC	? I/O	40	NC
I/O	30	NC	? I/O	39	NC

I/O	31	13	? I/O	38	23
INPUT	32	NC	? VCC	37	40
GND	33	20	? INPUT	36	22
INPUT	34	14	? INPUT	35	21

 * SDP-7064-68 Altera EPM7064/7096(68 PINS PLCC) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND with a 10k?resistor
 (one resister for each pin)

PIN/Signal Names	68-Lead PLCC SOCKET	48-Pin DIP Base	? Names	68-Lead PLCC SOCKET	48-Pin DIP Base
GCLRn/INPUT	1	1	OE1n/INPUT	68	48
OE2n/INPUT	2	2	GCLK/INPUT	67	43
VCC	3	44	? GND	66	24
I/O	4	3	? I/O	65	42
I/O	5	NC	? I/O	64	41
GND	6	24	? VCC	63	44
I/O	7	NC	? I/O	62	40
I/O	8	4	? I/O	61	NC
I/O	9	5	? I/O	60	NC
I/O	10	6	? I/O	59	39
VCC	11	44	? GND	58	24
I/O	12	7	? I/O	57	38
I/O	13	8	? I/O	56	37
I/O	14	9	? I/O	55	36
I/O	15	10	? I/O	54	35
GND	16	24	? VCC	53	44
I/O	17	11	? I/O	52	34
I/O	18	NC	? I/O	51	NC
I/O	19	12	? I/O	50	33
I/O	20	NC	? I/O	49	NC
VCC	21	44	? GND	48	24
I/O	22	13	? I/O	47	NC
I/O	23	14	? I/O	46	32
I/O	24	15	? I/O	45	31
I/O	25	16	? I/O	44	NC
GND	26	24	? VCC	43	44
I/O	27	17	? I/O	42	30
I/O	28	18	? I/O	41	29
I/O	29	19	? I/O	40	28
I/O	30	20	? I/O	39	27
VCC	31	44	? GND	38	24
I/O	32	21	? I/O	37	26
I/O	33	22	? I/O	36	25
GND	34	24	? VCC	35	44

 * SDP-5192-84 Altera EPM5192(84 PINS PLCC) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND with a 10k?resistor
 (one resister for each pin)

PIN/Signal Names	84-Lead PLCC SOCKET	40-Pin DIP Base	? Names	84-Lead PLCC SOCKET	40-Pin DIP Base
INPUT/CLK	1	NC	? INPUT	84	39
INPUT	2	NC	? INPUT	83	38
VCC	3	40	? GND	82	20
I/O	4	NC	? GND	81	20
I/O	5	NC	? I/O	80	NC
I/O	6	NC	? I/O	79	NC
I/O	7	NC	? I/O	78	NC
I/O	8	NC	? I/O	77	NC
I/O	9	1	? I/O	76	NC
I/O	10	2	? I/O	75	NC
I/O	11	3	? I/O	74	NC
I/O	12	4	? I/O	73	37
I/O	13	NC	? I/O	72	36
I/O	14	5	? I/O	71	NC
I/O	15	6	? I/O	70	NC
I/O	16	7	? I/O	69	35
I/O	17	8	? I/O	68	34
GND	18	20	? I/O	67	33
GND	19	20	? VCC	66	40
I/O	20	NC	? I/O	65	NC
I/O	21	9	? I/O	64	32
I/O	22	10	? I/O	63	31
I/O	23	NC	? I/O	62	NC

VCC	24	40	? GND	61	20
I/O	25	11	? GND	60	20
I/O	26	12	? I/O	59	30
I/O	27	13	? I/O	58	29
I/O	28	14	? I/O	57	28
I/O	29	NC	? I/O	56	27
I/O	30	15	? I/O	55	NC
I/O	31	16	? I/O	54	26
I/O	32	NC	? I/O	53	25
I/O	33	NC	? I/O	52	24
I/O	34	NC	? I/O	51	23
I/O	35	NC	? I/O	50	NC
I/O	36	NC	? I/O	49	NC
I/O	37	NC	? I/O	48	NC
I/O	38	NC	? I/O	47	NC
GND	39	20	? I/O	46	NC
GND	40	20	? VCC	45	40
INPUT	41	NC	? INPUT	44	22
INPUT	42	17	? INPUT	43	21

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*****
* SDP-7064-84 Altera EPM7064/7096(84 PINs PLCC) *
* CONNECTION TABLE: ? *
*****
```

[Note]: Please connect all the NC Pins to GND with a 10k?resistor (one resistor for each pin)

PIN/Signal 84-Lead PLCC 48-Pin DIP			PIN/Signal 84-Lead PLCC 48-Pin DIP		
Names	SOCKET	Base	Names	SOCKET	Base
GCLRn/INPUT	1	5	OE1n/INPUT	84	43
OE2n/INPUT	2	6	GCLK/INPUT	83	42
VCC	3	44	GND	82	24
I/O	4	7	I/O	81	41
I/O	5	NC	I/O	80	48
I/O	6	NC	I/O	79	40
GND	7	24	VCC	78	44
I/O	8	NC	I/O	77	39
I/O	9	NC	I/O	76	NC
I/O	10	8	I/O	75	38
I/O	11	NC	I/O	74	NC
I/O	12	2	I/O	73	47
VCC	13	44	GND	72	24
I/O	14	9	I/O	71	37
I/O	15	NC	I/O	70	NC
I/O	16	10	I/O	69	36
I/O	17	11	I/O	68	35
I/O	18	3	I/O	67	34
GND	19	24	VCC	66	44
I/O	20	12	I/O	65	33
I/O	21	NC	I/O	64	NC
I/O	22	NC	I/O	63	NC
I/O	23	13	I/O	62	32
I/O	24	NC	I/O	61	NC
I/O	25	NC	I/O	60	NC
VCC	26	44	GND	59	24
I/O	27	4	I/O	58	NC
I/O	28	22	I/O	57	46
I/O	29	14	I/O	56	31
I/O	30	NC	I/O	55	NC
I/O	31	15	I/O	54	30
GND	32	24	VCC	53	44
I/O	33	16	I/O	52	29
I/O	34	NC	I/O	51	NC
I/O	35	17	I/O	50	28
I/O	36	18	I/O	49	27
I/O	37	19	I/O	48	26
VCC	38	44	GND	47	24
I/O	39	20	I/O	46	25
I/O	40	45	I/O	45	1
I/O	41	21	I/O	44	23
GND	42	24	VCC	43	44

```
*****
* SDP-7128-84 Altera EPM7128/E(84 PINs PLCC) *
* CONNECTION TABLE: ? *
*****
```

[Note]: Please connect all the NC Pins to GND with a 10k?resistor (one resistor for each pin)

PIN/Signal 84-Lead PLCC 48-Pin DIP			PIN/Signal 84-Lead PLCC 48-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base

GCLRn/INPUT	1	1	OE1n/INPUT	84	46
OE2n/INPUT	2	2	GCLK/INPUT	83	45
VCC	3	44	? GND	82	24
I/O	4	3	? I/O	81	48
I/O	5	NC	? I/O	80	NC
I/O	6	4	? I/O	79	NC
GND	7	24	? VCC	78	44
I/O	8	5	? I/O	77	43
I/O	9	6	? I/O	76	NC
I/O	10	NC	? I/O	75	NC
I/O	11	7	? I/O	74	NC
I/O	12	8	? I/O	73	42
VCC	13	44	? GND	72	24
I/O	14	9	? I/O	71	41
I/O	15	10	? I/O	70	40
I/O	16	NC	? I/O	69	39
I/O	17	NC	? I/O	68	NC
I/O	18	NC	? I/O	67	38
GND	19	24	? VCC	66	44
I/O	20	11	? I/O	65	37
I/O	21	12	? I/O	64	36
I/O	22	NC	? I/O	63	NC
I/O	23	13	? I/O	62	35
I/O	24	NC	? I/O	61	NC
I/O	25	NC	? I/O	60	34
VCC	26	44	? GND	59	24
I/O	27	NC	? I/O	58	NC
I/O	28	NC	? I/O	57	33
I/O	29	NC	? I/O	56	NC
I/O	30	14	? I/O	55	32
I/O	31	15	? I/O	54	31
GND	32	24	? VCC	53	44
I/O	33	16	? I/O	52	30
I/O	34	17	? I/O	51	29
I/O	35	18	? I/O	50	28
I/O	36	NC	? I/O	49	NC
I/O	37	19	? I/O	48	27
VCC	38	44	? GND	47	24
I/O	39	20	? I/O	46	26
I/O	40	21	? I/O	45	25
I/O	41	NC	? I/O	44	NC
GND	42	24	? VCC	43	44

 * SDP-7160-84 Altera EPM7160/E (84 PINs PLCC) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND with a 10k?resistor
 (one resister for each pin)

PIN/Signal	84-Lead PLCC	48-Pin DIP	PIN/Signal	84-Lead PLCC	48-Pin DIP
Names	SOCKET	Base	? Names	SOCKET	Base
GCLRn/INPUT	1	3	OE1n/INPUT	84	45
OE2n/INPUT	2	4	GCLK/INPUT	83	46
VCC	3	44	? GND	82	24
I/O	4	5	? I/O	81	43
I/O	5	NC	? I/O	80	NC
N.C	6	NC	? N.C	79	NC
GND	7	24	? VCC	78	44
I/O	8	6	? I/O	77	NC
I/O	9	7	? I/O	76	NC
I/O	10	8	? I/O	75	42
I/O	11	1	? I/O	74	41
I/O	12	9	? I/O	73	40
VCC	13	44	? GND	72	24
I/O	14	NC	? I/O	71	NC
I/O	15	10	? I/O	70	NC
I/O	16	11	? I/O	69	39
I/O	17	12	? I/O	68	38
I/O	18	NC	? I/O	67	37
GND	19	24	? VCC	66	44
I/O	20	NC	? I/O	65	NC
I/O	21	NC	? I/O	64	36
I/O	22	13	? I/O	63	35
I/O	23	NC	? I/O	62	NC
I/O	24	NC	? I/O	61	NC
I/O	25	14	? I/O	60	34
VCC	26	44	? GND	59	24
I/O	27	15	? I/O	58	33
I/O	28	NC	? I/O	57	NC
I/O	29	NC	? I/O	56	NC
I/O	30	16	? I/O	55	32
I/O	31	17	? I/O	54	31
GND	32	24	? VCC	53	44

I/O	33	18	? I/O	52	30
I/O	34	19	? I/O	51	29
I/O	35	20	? I/O	50	28
I/O	36	NC	? I/O	49	NC
I/O	37	21	? I/O	48	27
VCC	38	44	? GND	47	24
N.C	39	NC	? N.C	46	NC
I/O	40	22	? I/O	45	26
I/O	41	23	? I/O	44	25
GND	42	24	? VCC	43	44

 * SDP-7064-100Q Altera EPM7064(100 PINs QFP) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND with 10k?resistors (one resister for each pin).

PIN/Signal 100-Lead QFP 40-Pin DIP			PIN/Signal 100-Lead QFP 40-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
NC	1	1	? I/O	100	NC
NC	2	NC	? I/O	99	NC
I/O	3	NC	? I/O	98	NC
I/O	4	NC	? GND	97	20
VCC	5	40	? I/O	96	NC
I/O	6	36	? I/O	95	NC
NC	7	NC	? VCC	94	34
I/O	8	NC	? VCC	93	40
NC	9	NC	OE2n/INPUT	92	33
I/O	10	37	GCLRn/INPUT	91	35
I/O	11	39	OE1n/INPUT	90	32
I/O	12	NC	GCLK/INPUT	89	31
GND	13	20	? GND	88	20
I/O	14	38	? I/O	87	30
I/O	15	NC	? I/O	86	NC
I/O	16	NC	? I/O	85	29
I/O	17	1	? VCC	84	40
I/O	18	NC	? I/O	83	28
I/O	19	NC	? I/O	82	NC
VCC	20	40	? I/O	81	NC
I/O	21	NC	? NC	80	NC
I/O	22	NC	? NC	79	NC
I/O	23	NC	? I/O	78	NC
NC	24	NC	? I/O	77	NC
I/O	25	NC	? GND	76	20
NC	26	NC	? I/O	75	NC
I/O	27	2	? NC	74	NC
GND	28	20	? I/O	73	NC
NC	29	NC	? NC	72	NC
NC	30	NC	? I/O	71	27
I/O	31	3	? I/O	70	NC
I/O	32	NC	? I/O	69	26
I/O	33	4	? VCC	68	40
I/O	34	8	? I/O	67	25
I/O	35	5	? I/O	66	NC
VCC	36	40	? I/O	65	NC
I/O	37	6	? I/O	64	14
I/O	38	NC	? I/O	63	NC
I/O	39	7	? I/O	62	NC
GND	40	20	? GND	61	20
VCC	41	40	? I/O	60	NC
I/O	42	9	? I/O	59	NC
I/O	43	NC	? I/O	58	NC
I/O	44	10	? NC	57	NC
GND	45	20	? I/O	56	NC
I/O	46	11	? NC	55	NC
I/O	47	13	? I/O	54	20
I/O	48	12	? VCC	53	40
I/O	49	NC	? NC	52	NC
I/O	50	20	? NC	51	NC

 * SDP-7096-100Q Altera EPM7096(100 PINs QFP) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND with 10k?resistors (one resister for each pin).

PIN/Signal 100-Lead QFP 40-Pin DIP			PIN/Signal 100-Lead QFP 40-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
*	1	16	? *	100	NC

GND	2	20	? I/O	99	13
VCC	3	40	? *	98	NC
GND	4	20	? I/O	97	12
*	5	NC	? VCC	96	40
*	6	14	? GND	95	7
*	7	NC	? *	94	NC
*	8	NC	? I/O	93	11
GND	9	20	I/O	92	10
*	10	NC	VCC	91	40
GND	11	20	GND	90	20
*	12	NC	I/O	89	6
*	13	NC	? GND	88	9
*	14	NC	? *	87	NC
*	15	NC	? VCC	86	40
*	16	NC	? *	85	NC
*	17	NC	? I/O	84	8
VCC	18	40	? *	83	NC
*	19	NC	? I/O	82	7
*	20	NC	? *	81	NC
*	21	NC	? I/O	80	5
I/O	22	21	? I/O	79	3
I/O	23	23	? GND	78	20
*	24	NC	? *	77	NC
I/O	25	24	? *	76	NC
GND	26	20	? I/O	75	2
*	27	NC	? *	74	NC
I/O	28	25	? I/O	73	1
*	29	NC	? I/O	72	4
*	30	NC	? *	71	NC
*	31	NC	VCC	70	40
I/O	32	28	? *	69	NC
*	33	NC	? *	68	NC
VCC	34	40	? *	67	NC
*	35	NC	? *	66	NC
VCC	36	28	? *	65	NC
I/O	37	26	? *	64	NC
GND	38	20	? GND	63	20
I/O	39	27	? I/O	62	38
GND	40	30	? GND	61	20
VCC	41	33	? I/O	60	37
I/O	42	31	? *	59	NC
VCC	43	40	? I/O	58	36
I/O	44	32	? *	57	NC
*	45	NC	? I/O	56	35
GND	46	20	? VCC	55	40
*	47	NC	? *	54	NC
*	48	NC	? I/O	53	39
*	49	NC	? I/O	52	34
*	50	NC	? *	51	NC

 * SDP-7128-100Q Altera EPM7128/E (100 PINs QFP) *
 * CONNECTION TABLE: ? *

[Note]: Please connect all the NC Pins to GND
 with a 10k?resistor (one resistor for each pin)

PIN/Sig. 100 QFP 48 DIP			PIN/Sig. 100 QFP 48 DIP		
Names	SOCKET	Base	?Names	SOCKET	Base
I/O	1	NC	? I/O	100	40
I/O	2	42	? I/O	99	NC
I/O	3	47	? I/O	98	39
I/O	4	NC	? GND	97	24
VCC	5	44	? I/O	96	38
I/O	6	43	? I/O	95	NC
I/O	7	NC	? I/O	94	37
I/O	8	45	? VCC	93	44
I/O	9	NC	? OE2n	92	36
I/O	10	NC	? GCLRn	91	41
I/O	11	NC	? OE1n	90	35
I/O	12	NC	? GCLK	89	34
GND	13	24	? GND	88	24
I/O	14	46	? I/O	87	33
I/O	15	48	? I/O	86	NC
I/O	16	NC	? I/O	85	NC
I/O	17	1	? VCC	84	44
I/O	18	NC	? I/O	83	32
I/O	19	NC	? I/O	82	NC
VCC	20	44	? I/O	81	NC
I/O	21	NC	? I/O	80	NC
I/O	22	NC	? I/O	79	NC
I/O	23	NC	? I/O	78	31
I/O	24	NC	? I/O	77	NC
I/O	25	2	? GND	76	24

I/O	26	4	?	I/O	75	28
I/O	27	NC	?	I/O	74	NC
GND	28	24	?	I/O	73	27
I/O	29	3	?	I/O	72	30
I/O	30	NC	?	I/O	71	NC
I/O	31	5	?	I/O	70	29
I/O	32	7	?	I/O	69	NC
I/O	33	NC	?	VCC	68	44
I/O	34	8	?	I/O	67	26
I/O	35	NC	?	I/O	66	20
VCC	36	44	?	I/O	65	NC
I/O	37	6	?	I/O	64	19
I/O	38	9	?	I/O	63	NC
I/O	39	NC	?	I/O	62	18
GND	40	24	?	GND	61	24
VCC	41	44	?	I/O	60	NC
I/O	42	NC	?	I/O	59	NC
I/O	43	12	?	I/O	58	17
I/O	44	10	?	I/O	57	NC
GND	45	24	?	I/O	56	16
I/O	46	NC	?	I/O	55	21
I/O	47	13	?	I/O	54	NC
I/O	48	NC	?	VCC	53	44
I/O	49	14	?	I/O	52	15
I/O	50	11	?	I/O	51	NC

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*****
* SDP-7160-100Q Altera EPM7160/E (100 PINS QFP) *
* CONNECTION TABLE: ? *
*****
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[Note]: Please connect all the NC Pins to GND
with a 10k?resistor (one resistor for each pin)

PIN/Signal Names	100-QFP SOCKET	48-Pin DIP	PIN/Signal ? Names	100-QFP SOCKET	48-Pin DIP
I/O	1	8	?I/O	100	NC
I/O	2	1	?I/O	99	7
I/O	3	9	?I/O	98	6
I/O	4	NC	?GND	97	24
VCCIO	5	44	?I/O	96	NC
I/O	6	NC	?I/O	95	NC
I/O	7	10	?I/O	94	5
I/O	8	11	?VCCINT	93	44
I/O	9	NC	INPUT/OE2/GCLK2	92	4
I/O	10	12	INPUT/GCLRn	91	3
I/O	11	NC	INPUT/OE1	90	45
I/O	12	NC	INPUT/GCLK1	89	46
GND	13	24	?GND	88	24
I/O	14	NC	?I/O	87	43
I/O	15	NC	?I/O	86	NC
I/O	16	13	?I/O	85	NC
I/O	17	NC	?VCCIO	84	44
I/O	18	NC	?I/O	83	NC
I/O	19	14	?I/O	82	NC
VCCIO	20	44	?I/O	81	NC
I/O	21	NC	?I/O	80	42
I/O	22	15	?I/O	79	41
I/O	23	NC	?I/O	78	40
I/O	24	NC	?I/O	77	NC
I/O	25	NC	?GND	76	24
I/O	26	NC	?I/O	75	NC
I/O	27	NC	?I/O	74	NC
GND	28	24	?I/O	73	39
I/O	29	NC	?I/O	72	NC
I/O	30	18	?I/O	71	38
I/O	31	19	?I/O	70	37
I/O	32	20	?I/O	69	NC
I/O	33	NC	?VCCIO	68	44
I/O	34	NC	?I/O	67	NC
I/O	35	21	?I/O	66	36
VCCIO	36	44	?I/O	65	35
I/O	37	22	?I/O	64	NC
I/O	38	NC	?I/O	63	NC
I/O	39	23	?I/O	62	34
GND	40	24	?GND	61	24
VCCINT	41	44	?I/O	60	NC
I/O	42	25	?I/O	59	33
I/O	43	NC	?I/O	58	NC
I/O	44	26	?I/O	57	NC
GND	45	24	?I/O	56	NC
I/O	46	27	?I/O	55	NC
I/O	47	NC	?I/O	54	NC
I/O	48	NC	?VCCIO	53	44
I/O	49	28	?I/O	52	NC

I/O 50 29 ?I/O 51 30

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*****
* SDP-M120-68 AMD MACH120/220/221 (68 PINS PLCC) *
* CONNECTION TABLE:                            ?                            *
*****
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[Note]:

- 1.Please connect all the NC Pins to GND with a 10k?resistor
(one resister for each pin)
- 2.A 1f tantalum capacitor should be put between VCC and GND.

PIN/Signal 68-Lead PLCC 28-Pin DIP			PIN/Signal 68-Lead PLCC 28-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
GND	1	14	? VCC	68	28
I/O0	2	NC	? I/O47	67	NC
I/O1	3	NC	? I/O46	66	NC
I/O2	4	NC	? I/O45	65	NC
I/O3	5	NC	? I/O44	64	NC
I/O4	6	NC	? I/O43	63	24
I/O5	7	5	? I/O42	62	23
GND	8	14	? GND	61	14
I/O6	9	2	? I/O41	60	27
I/O7	10	NC	? I/O40	59	NC
I/O8	11	NC	? I/O39	58	NC
I/O9	12	NC	? I/O38	57	NC
I/O10	13	NC	? I/O37	56	NC
I/O11	14	1	? I/O36	55	22
CLK0/I0	15	NC	? I7	54	21
CLK1/I1	16	6	? GND	53	14
I2	17	7	? VCC	52	28
VCC	18	28	? I6	51	20
GND	19	14	? CLK3/I5	50	19
I3	20	8	? CLK2/I4	49	26
I/O12	21	9	? I/O35	48	18
I/O13	22	10	? I/O34	47	NC
I/O14	23	NC	? I/O33	46	NC
I/O15	24	NC	? I/O32	45	NC
I/O16	25	NC	? I/O31	44	NC
I/O17	26	11	? I/O30	43	17
GND	27	14	? GND	42	14
I/O18	28	12	? I/O29	41	16
I/O19	29	13	? I/O28	40	NC
I/O20	30	NC	? I/O27	39	NC
I/O21	31	15	? I/O26	38	NC
I/O22	32	NC	? I/O25	37	NC
I/O23	33	NC	? I/O24	36	NC
VCC	34	28	? GND	35	14

```
*****
* SDP-M130-84 AMD MACH130/230/435 (84 PINS PLCC) *
* CONNECTION TABLE:                            ?                            *
*****
```

[Note]:

- 1.Please connect all the NC Pins to GND with a 10k?resistor
(one resister for each pin)
- 2.A 1f tantalum capacitor should be put between VCC and GND.

PIN/Signal 84-Lead PLCC 24-Pin DIP			PIN/Signal 84-Lead PLCC 24-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
GND	1	12	? VCC	84	22
VCC	2	22	? I5	83	23
I/O0	3	NC	? I/O63	82	NC
I/O1	4	NC	? I/O62	81	NC
I/O2	5	NC	? I/O61	80	NC
I/O3	6	NC	? I/O60	79	NC
I/O4	7	NC	? I/O59	78	NC
I/O5	8	NC	? I/O58	77	NC
I/O6	9	NC	? I/O57	76	NC
I/O7	10	1	? I/O56	75	21
GND	11	12	? GND	74	12
I/O8	12	2	? I/O55	73	20
I/O9	13	NC	? I/O54	72	NC
I/O10	14	NC	? I/O53	71	NC
I/O11	15	NC	? I/O52	70	NC
I/O12	16	NC	? I/O51	69	NC
I/O13	17	NC	? I/O50	68	NC
I/O14	18	NC	? I/O49	67	NC
I/O15	19	3	? I/O48	66	19
CLK1/I0	20	4	? CLK3/I4	65	18
VCC	21	22	? GND	64	12
GND	22	12	? VCC	63	22

CLK1/I1	23	5	? CLK2/I3	62	17
I/O16	24	6	? I/O47	61	16
I/O17	25	7	? I/O46	60	NC
I/O18	26	NC	? I/O45	59	NC
I/O19	27	NC	? I/O44	58	NC
I/O20	28	NC	? I/O43	57	NC
I/O21	29	NC	? I/O42	56	NC
I/O22	30	NC	? I/O41	55	NC
I/O23	31	8	? I/O40	54	15
GND	32	12	? GND	53	12
I/O24	33	9	? I/O39	52	14
I/O25	34	10	? I/O38	51	NC
I/O26	35	NC	? I/O37	50	NC
I/O27	36	NC	? I/O36	49	NC
I/O28	37	NC	? I/O35	48	NC
I/O29	38	11	? I/O34	47	NC
I/O30	39	NC	? I/O33	46	NC
I/O31	40	NC	? I/O32	45	NC
I2	41	13	? VCC	44	22
VCC	42	22	? GND	43	12

* SDP-M131-100Q AMD MACH445/131/231SP (100 PINs PQFP) *
* CONNECTION TABLE: ? *

[Note]:

1.A luf tantalum capacitor should be put between VCC and GND.

PIN/Signal Names	SOCKET	Base	? Names	SOCKET	Base
TDI/TDI	3	1	? VCC/VCC	14,15,39,	28
TMS/NC	27	2	? VCC/VCC	42,64,65,	28
TCK/TCK	28	3	? VCC/VCC	89,92	28
ENABLE/TMS	53	4	? NC/EN8x2	70	27
TRST/NC	77	5	? NC/EN8x1	69	26
TDO/TDO	78	6	? NC/NC	NC	25
NC/IO9	6	7	? NC/NC	NC	24
NC/IO22	25	8	? NC/IO6	99	23
NC/IO25	32	9	? SIO7/NC	100	22
NC/IO38	49	10	? SIO56/NC	81	21
NC/IO41	56	11	? SIO55/NC	76	20
NC/IO54	75	12	? SIO40/NC	55	19
NC/IO57	82	13	? SIO39/NC	50	18
GND/GND	1,2,16,17,29,30,	14	? SIO24/NC	31	17
GND/GND	40,41,51,52,66,	14	? SIO23/NC	26	16
GND/GND	67,79,80,90,91	14	? SIO8/NC	5	15

4,7-13,18-24,33-38,
43-48,54,57-63,68, (10k omh resister on each pin to GND)
71,74,83,88,93,98

* SDP-9572-84 Xilinx XC9572 (84 PINs PLCCQFP) *
* CONNECTION TABLE: ? *

PIN/Signal Names	SOCKET	Base	? Names	SOCKET	Base
VPP	78	1	? VCC	22,38,64,73	40
TSTEN	1	2	?	NC	39
PGMEN	3	3	?	NC	38
VFYEN	5	4	?	NC	37
AD_STB	65	5	?	NC	36
TS0	69	6	? A14	68	35
TS1	70	7	? A13	67	34
TS2	71	8	? A12	66	33
TS3	72	9	? A11	43	32
D0	14	10	? A10	41	31
D1	15	11	? A9	40	30
D2	17	12	? A8	32	29
D3	19	13	? A7	31	28
D4	21	14	? A6	20	27
D5	33	15	? A5	18	26
D6	36	16	? A4	13	25
D7	37	17	? A3	6	24
	NC	18	? A2	4	23
	NC	19	? A1	82	22
GND	8,16,27,42,49,60	20	? A0	80	21

75,76,77,79,81,83,84,2,7,9,10,
11,12,23,24,25,26,28,29,30,34,
35,39,44,45,46,47,48,50,51,52,
Must be connected to
VCC(40) or GND(20)

53,54,55,56,57,58,59,61,62,63,74

```

*****
* SDP-95108-84 Xilinx XC95108 (84 PINs PLCC) *
* CONNECTION TABLE: ? *
*****

```

PIN/Signal	84-Lead PLCC	40-Pin DIP	PIN/Signal	84-Lead PLCC	40-Pin DIP
Names	SOCKET	Base	? Names	SOCKET	Base
VPP	78	1	? VCC	22,38,64,73	40
VFYEN	80	2	? ?	NC	39
AD_STB	82	3	? ?	NC	38
PGMEN	83	4	? ?	NC	37
TSTEN	1	5	? ?	NC	36
TS0	3	6	? ?	NC	35
TS1	4	7	? A7	72	34
TS2	5	8	? A6	71	33
TS3	6	9	? A5	70	32
A8	13	10	? A4	69	31
A9	14	11	? A3	68	30
A10	15	12	? A2	67	29
A11	17	13	? A1	66	28
A12	18	14	? A0	65	27
A13	19	15	? D7	41	26
A14	20	16	? D6	40	25
A15	21	17	? D5	39	24
D0	31	18	? D4	37	23
D1	32	19	? D3	36	22
GND	81,8,16,27,28,29,	20	? D2	33	21
GND	30,42,49,59,60	20			

2,7,9,10,11,12,23,24,25,26,
34,35,43,44,45,46,47,48,50,
51,52,53,54,55,56,57,58,61,
62,63 74,75,76,77,79,84

Must be connected to
VCC(40) or GND(20)

```

*****
* SDP-95108-100Q Xilinx XC95108 (100 PINs PQFP) *
* CONNECTION TABLE: ? *
*****

```

PIN/Signal	100-Lead PQFP	40-Pin DIP	PIN/Signal	100-Lead PQFP	40-Pin DIP
Names	SOCKET	Base	? Names	SOCKET	Base
VPP	7	1	? VCC	28,40,53,59,90,100	40
VFYEN	10	2	? ?	NC	39
AD_STB	12	3	? ?	NC	38
PGMEN	13	4	? ?	NC	37
TSTEN	15	5	? ?	NC	36
TS0	17	6	? ?	NC	35
TS1	18	7	? A7	99	34
TS2	19	8	? A6	98	33
TS3	20	9	? A5	97	32
A8	30	10	? A4	96	31
A9	31	11	? A3	95	30
A10	32	12	? A2	93	29
A11	34	13	? A1	92	28
A12	35	14	? A0	91	27
A13	37	15	? D7	63	26
A14	38	16	? D6	62	25
A15	39	17	? D5	60	24
D0	51	18	? D4	58	23
D1	52	19	? D3	57	22
GND	11,23,33,46,47,49,	20	? D2	54	21
GND	50,64,71,77,85,86,2	20			

3,4,5,6,8,9,14,16,21,22,24,25,26,27,
29,36,41,42,43,44,45,48,55,56,61,65,
66,67,68,69,70,72,73,74,75,76,78,79,
80,81,82,83,84,87,88,89,94,1

Must be connected to
VCC(40) or GND(20)

```

*****
* SDP-6811-52 Motorola MC68HC711E9 (52 PINs PLCC) *
* CONNECTION TABLE: ? *
*****

```

PIN/Signal	52-Lead PLCC	40-Pin DIP	PIN/Signal	52-Lead PLCC	40-Pin DIP
Names	SOCKET	Base	? Names	SOCKET	Base
VSS	1	1	? VRH	52	NC
MODB/VSTBY	2	36	? VRL	51	NC
MODA/LIR	3	37	? PE7	50	NC
STRA/AS	4	12	? PE3	49	NC

E	5	38	?	PE6	48	NC
STRB/RW	6	11	?	PE2	47	NC
EXTAL	7	39	?	PE5	46	NC
XTAL	8	40	?	PE1	45	NC
PC0	9	2	?	PE4	44	NC
PC1	10	3	?	PE0	43	NC
PC2	11	4	?	PB0	42	35
PC3	12	5	?	PB1	41	34
PC4	13	6	?	PB2	40	33
PC5	14	7	?	PB3	39	32
PC6	15	8	?	PB4	38	31
PC7	16	9	?	PB5	37	30
RESET	17	13	?	PB6	36	29
XIRQ/VPP	18	10	?	PB7	35	28
IRQ	19	14	?	PA0	34	27
PD0	20	15	?	PA1	33	26
PD1	21	16	?	PA2	32	25
PD2	22	17	?	PA3	31	24
PD3	23	18	?	PA4	30	NC
PD4	24	19	?	PA5	29	23
PD5	25	20	?	PA6	28	NC
VDD	26	21	?	PA7	27	22

* SDP-705B-52 Motorola MC68HC705B5 B16 B32 (52 PINs PLCC) *
* CONNECTION TABLE: ? *

PIN/Signal 52-Lead PLCC 40-Pin DIP			PIN/Signal 52-Lead PLCC 40-Pin DIP			
Names	SOCKET	Base	?	Names	SOCKET	Base
TCMP1	1	1	?	TDO	52	39
TCMP2	2	2	?	SCLK	51	38
PD7	3	3	?	RDI	50	37
PD6	4	4	?	PC0	49	NC
PD5	5	5	?	PC1	48	NC
NC	6	NC	?	PC2	47	NC
VRL	7	6	?	PC3	46	NC
VRH	8	7	?	PC4	45	NC
PD4	9	8	?	PC5	44	36
VDD	10	40	?	PC6	43	35
PD3	11	9	?	PC7	42	34
PD2	12	10	?	VSS	41	20
PD1	13	11	?	VPP1	40	NC
PD0	14	12	?	PB0	39	32
VPP6	15	13	?	PB1	38	31
OSC1	16	14	?	PB2	37	NC
OSC2	17	15	?	PB3	36	NC
/RESET	18	16	?	PB4	35	NC
/IRQ	19	17	?	PB5	34	NC
PLMA	20	18	?	PB6	33	NC
PLMB	21	19	?	PB7	32	NC
TCAP1	22	21	?	PA0	31	30
TCAP2	23	22	?	PA1	30	29
PA7	24	23	?	PA2	29	28
PA6	25	24	?	PA3	28	27
PA5	26	25	?	PA4	27	26

* SDP-C530-52 Dallas DS87C530 (52 PINs PLCC) ? *
* CONNECTION TABLE: ? *

PIN/Signal 52-Lead PLCC 40-Pin DIP			PIN/Signal 52-Lead PLCC 40-Pin DIP			
Names	SOCKET	Base	?	Names	SOCKET	Base
GND	1	20	?	VCC	52	40
NC	2	NC	?	NC	51	NC
P1.0	3	1	?	AD0	50	39
P1.1	4	2	?	AD1	49	38
P1.2	5	3	?	AD2	48	37
P1.3	6	4	?	AD3	47	36
P1.4	7	5	?	AD4	46	35
P1.5	8	6	?	AD5	45	34
P1.6	9	7	?	AD6	44	33
P1.7	10	8	?	AD7	43	32
NC	11	NC	?	VPP	42	31
RST	12	9	?	NC	41	NC
NC	13	NC	?	NC	40	NC
NC	14	NC	?	ALE	39	30
P3.0	15	10	?	PSEN	38	29
P3.1	16	11	?	AD15	37	28
P3.2	17	12	?	AD14	36	27
P3.3	18	13	?	AD13	35	26
P3.4	19	14	?	AD12	34	25

P3.5	20	15	? AD11	33	24
P3.6	21	16	? AD10	32	23
P3.7	22	17	? AD9	31	22
XTAL2	23	18	? AD8	30	21
XTAL1	24	19	? VCC	29	40
GND	25	20	? GND	28	20
GND	26	20	? GND	27	20

 * SDP-7552-68 Philips/Sigmetics 87C552(68 PINs PLCC) ? *
 * CONNECTION TABLE: ? *

PIN/Signal	68-Lead PLCC	40-Pin DIP	PIN/Signal	68-Lead PLCC	40-Pin DIP
Names	SOCKET	Base	? Names	SOCKET	Base
P5.0	1	NC	? P5.1	68	NC
VDD	2	40	? P5.2	67	NC
STADC	3	NC	? P5.3	66	NC
PWM0	4	NC	? P5.4	65	NC
PWM1	5	NC	? P5.5	64	NC
EW	6	NC	? P5.6	63	NC
P4.0	7	NC	? P5.7	62	NC
P4.1	8	NC	? AVDD	61	NC
P4.2	9	NC	? AVSS	60	NC
P4.3	10	NC	? AVref+	59	NC
P4.4	11	NC	? AVref-	58	NC
P4.5	12	NC	? P0.0/D0	57	39
P4.6	13	NC	? P0.1/D1	56	38
P4.7	14	NC	? P0.2/D2	55	37
RST	15	9	? P0.3/D3	54	36
P1.0	16	1	? P0.4/D4	53	35
P1.1	17	2	? P0.5/D5	52	34
P1.2	18	3	? P0.6/D6	51	33
P1.3	19	4	? P0.7/D7	50	32
P1.4	20	5	? EA/VPP	49	31
P1.5	21	6	? ALE/PROG	48	30
P1.6	22	7	? PSEN	47	29
P1.7	23	8	? P2.7	46	28
P3.0	24	10	? P2.6	45	27
P3.1	25	11	? P2.5	44	26
P3.2	26	12	? P2.4	43	25
P3.3	27	13	? P2.3	42	24
P3.4	28	14	? P2.2	41	23
P3.5	29	15	? P2.1	40	22
P3.6	30	16	? P2.0	39	21
P3.7	31	17	? NC	38	NC
NC	32	NC	? VSS	37	NC
NC	33	NC	? VSS	36	20
XLAT2	34	18	? XLAT1	35	19

 * SDP-7592-68 Philips/Sigmetics 87C592(68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN/Signal	68-Lead PLCC	40-Pin DIP	PIN/Signal	68-Lead PLCC	40-Pin DIP
Names	SOCKET	Base	? Names	SOCKET	Base
P5.0	1	NC	? P5.1	68	NC
VDD	2	40	? P5.2	67	NC
STADC	3	NC	? P5.3	66	NC
PWM0	4	NC	? P5.4	65	NC
PWM1	5	NC	? P5.5	64	NC
EW	6	NC	? P5.6	63	NC
P4.0	7	NC	? P5.7	62	NC
P4.1	8	NC	? AVDD	61	NC
P4.2	9	NC	? AVSS	60	NC
P4.3	10	NC	? AVref+	59	NC
P4.4	11	NC	? AVref-	58	NC
P4.5	12	NC	? CRX0	57	NC
P4.6	13	NC	? CRX1	56	NC
P4.7	14	NC	? REF	55	NC
RST	15	15	? P0.0/D0	54	39
P1.0	16	7	? P0.1/D1	53	38
P1.1	17	8	? P0.2/D2	52	37
P1.2	18	9	? P0.3/D3	51	36
P1.3	19	10	? P0.4/D4	50	35
P1.4	20	11	? P0.5/D5	49	34
P1.5	21	12	? P0.6/D6	48	33
CVSS	22	NC	? P0.7/D7	47	32
P1.6	23	13	? EA/VPP	46	31
P1.7	24	14	? ALE/PROG	45	30
P3.0	25	NC	? PSEN	44	29
P3.1	26	NC	? P2.7	43	28

P3.2	27	NC	? P2.6	42	27
P3.3	28	NC	? P2.5	41	26
P3.4	29	NC	? P2.4	40	25
P3.5	30	NC	? P2.3	39	24
P3.6	31	16	? P2.2	38	23
P3.7	32	17	? P2.1	37	22
XLAT2	33	2	? P2.0	36	21
XLAT1	34	3	? VSS	35	20

 * SDP-11L6-68 Motorola MC68HC711L6(68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN/Signal 68-Lead PLCC 40-Pin DIP			PIN/Signal 68-Lead PLCC 40-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
VSS	1	1	? VSS	68	1
MODEB	2	36	? AVDD	67	21
MODEA	3	37	? VRH	66	NC
STRA	4	12	? VRL	65	NC
E	5	38	? PE7	64	NC
STRB	6	11	? PE3	63	NC
EXTAL	7	39	? PE6	62	NC
XTAL	8	40	? PE2	61	NC
NC	9	NC	? PE5	60	NC
VDD	10	21	? PE1	59	NC
PC0	11	2	? PE4	58	NC
PC1	12	3	? PE0	57	NC
PC2	13	4	? PG7	56	NC
PC3	14	5	? PG6	55	NC
PC4	15	6	? PG5	54	NC
PC5	16	7	? PG4	53	NC
PC6	17	8	? PB0	52	35
PC7	18	9	? PB1	51	34
PG3	19	NC	? PB2	50	33
PG2	20	NC	? PB3	49	32
PG1	21	NC	? PB4	48	31
PG0	22	NC	? PB5	47	30
RESET	23	13	? PB6	46	29
XIRQ	24	10	? PB7	45	28
IRQ	25	14	? VSS	44	1
PD0	26	15	? NC	43	NC
VSS	27	1	? PA0	42	27
PD1	28	16	? PA1	41	26
PD2	29	17	? PA2	40	25
PD3	30	18	? PA3	39	24
PD4	31	19	? PA4	38	NC
PD5	32	20	? PA5	37	23
VDD	33	21	? PA6	36	NC
VDD	34	21	? PA7	35	22

 * SDP-11F1-68 Motorola MC68HC11F1(68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN/Signal 68-Lead PLCC 40-Pin DIP			PIN/Signal 68-Lead PLCC 40-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
VSS	1	1	? VRH	68	NC
MODEB	2	36	? VRL	67	NC
MODEA	3	37	? PE7	66	NC
E	4	12	? PE3	65	NC
R/W	5	38	? PE6	64	NC
EXTAL	6	11	? PE2	63	NC
XTAL	7	39	? PE5	62	NC
4XOUT	8	40	? PE1	61	NC
PC0	9	14	? PE4	60	NC
PC1	10	21	? PE0	59	NC
PC2	11	2	? PF0	58	NC
PC3	12	3	? PF1	57	NC
PC4	13	4	? PF2	56	NC
PC5	14	5	? PF3	55	NC
PC6	15	6	? PF4	54	NC
PC7	16	7	? PF5	53	NC
RESET	17	8	? PF6	52	35
XIRQ	18	9	? PF7	51	34
IRQ	19	10	? PB0	50	33
PG7	20	NC	? PB1	49	32
PG6	21	NC	? PB2	48	31
PG5	22	NC	? PB3	47	30
PG4	23	NC	? PB4	46	29
PG3	24	NC	? PB5	45	28
PG2	25	NC	? PB6	44	15

PG1	26	NC	?	PB7	43	13
PG0	27	NC	?	PA0	42	27
PD0	28	16	?	PA1	41	26
PD1	29	17	?	PA2	40	25
PD2	30	18	?	PA3	39	24
PD3	31	19	?	PA4	38	NC
PD4	32	20	?	PA5	37	23
PD5	33	22	?	PA6	36	NC
VDD	34	21	?	PA7	35	NC

 * SDP-196K-68 Intel 87C196KB/KC/KD (68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN Names	PLCC68 SOCKET	40-Pin ZIF	DIP SOCKET	? PIN Names	PLCC68 SOCKET	40-Pin ZIF	DIP SOCKET
*	1		40	? *	68		20
*	2		1	? *	67		19
*	3		NC	? *	66		18
*	4		NC	? *	65		NC
*	5		NC	? *	64		NC
*	6		NC	? *	63		NC
*	7		NC	? *	62		NC
*	8		2	? *	61		NC
*	9		3	? *	60		37
*	10		4	? *	59		36
*	11		5	? *	58		35
*	12		NC	? *	57		34
*	13		40	? *	56		33
*	14		20	? *	55		32
*	15		6	? *	54		31
*	16		9	? *	53		30
*	17		7	? *	52		29
*	18		8	? *	51		28
*	19		NC	? *	50		27
*	20		NC	? *	49		26
*	21		NC	? *	48		25
*	22		NC	? *	47		24
*	23		NC	? *	46		23
*	24		NC	? *	45		22
*	25		NC	? *	44		NC
*	26		NC	? *	43		NC
*	27		NC	? *	42		39
*	28		NC	? *	41		NC
*	29		NC	? *	40		NC
*	30		NC	? *	39		NC
*	31		NC	? *	38		NC
*	32		NC	? *	37		21
*	33		NC	? *	36		20
*	34		NC	? *	35		NC

 * SDP-196J-68 Intel 87C196KR/KQ/JR (68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN Names	PLCC 68 SOCKET	40-Pin ZIF	DIP SOCKET	? PIN Names	PLCC 68 SOCKET	40-Pin ZIF	DIP SOCKET
*	1		NC	? VSS	68		20
*	2		NC	? XTAL1	67		19
*	3		NC	? XTAL2	66		18
*	4		NC	? *	65		NC
GND	5		20	? *	64		NC
VPP	6		21	? *	63		NC
*	7		NC	? *	62		NC
*	8		NC	? *	61		NC
*	9		NC	? *	60		NC
*	10		NC	? *	59		NC
AD15	11		22	? *	58		NC
AD14	12		23	? *	57		NC
AD13	13		24	? *	56		NC
AD12	14		25	? *	55		NC
AD11	15		26	? *	54		NC
AD10	16		27	? *	53		NC
AD9	17		28	? *	52		NC
AD8	18		29	? *	51		NC
AD7	19		30	? *	50		NC
AD6	20		31	? VREF	49		40
AD5	21		32	? *	48		NC
AD4	22		33	? PMODE3	47		2
AD3	23		34	? PMODE2	46		3
AD2	24		35	? PMODE1	45		4

AD1	25	36	? PMODE0	44	5
AD0	26	37	? *	43	NC
RESET	27	9	? *	42	NC
*	28	NC	? *	41	NC
EA	29	1	? *	40	NC
VSS	30	20	? *	39	NC
VCC	31	40	? *	38	NC
PVER	32	8	? *	37	NC
PALE	33	7	? AINC	36	39
PROG	34	6	? *	35	NC

 * SDP-320E-68, TI TMS320E25 (68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN Names	PLCC68 SOCKET	28-Pin DIP ZIF SOCKET	? PIN Names	PLCC68 SOCKET	28-Pin DIP ZIF SOCKET
MP/MC	1	NC	? BIO	68	NC
D15	2	NC	? HOLD	67	NC
D14	3	NC	? READY	66	NC
D13	4	NC	? RS	65	14
D12	5	NC	? CLKR	64	NC
D11	6	NC	? CLKX	63	NC
D10	7	NC	? Vcc	62	NC
D9	8	NC	? Vcc	61	28
D8	9	NC	? IACK	60	NC
Vss	10	14	? MSC	59	NC
D7	11	19	? CLKOUT1	58	NC
D6	12	18	? CLKOUT2	57	NC
D5	13	17	? XF	56	NC
D4	14	16	? HOLDA	55	NC
D3	15	15	? DX	54	NC
D2	16	13	? FSX	53	NC
D1	17	12	? X2 CLKIN	52	14
D0	18	11	? X1	51	NC
SYNC	19	NC	? BR	50	NC
INT0	20	NC	? STRB	49	NC
INT1	21	NC	? R/W	48	NC
INT2	22	20	? PS	47	NC
Vcc	23	NC	? IS	46	NC
DR	24	26	? DS	45	NC
FSR	25	1	? Vss	44	14
A0	26	10	? A15	43	NC
Vss	27	14	? A14	42	22
A1	28	9	? A13	41	27
A2	29	8	? A12	40	2
A3	30	7	? A11	39	23
A4	31	6	? A10	38	21
A5	32	5	? A9	37	24
A6	33	4	? A8	36	25
A7	34	3	? Vcc	35	28

 * SDP-C752-68 Microchip PIC16C752/756 (68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN/Signal Names	68-Lead PLCC SOCKET	28-Pin DIP Base	? PIN/Signal Names	68-Lead PLCC SOCKET	28-Pin DIP Base
NC	1	NC	? VSS	68	12
VDD	2	28	?RC1/AD1	67	11
RC0/AD0	3	27	?RC2/AD2	66	10
RD7/AD15	4	NC	?RC3/AD3	65	9
RD6/AD14	5	NC	?RC4/AD4	64	8
RD5/AD13	6	NC	?RC5/AD5	63	7
RD4/AD12	7	NC	?RC6/AD6	62	6
RD3/AD11	8	NC	?RC7/AD7	61	5
RD2/AD10	9	NC	?RA0/INT	60	4
RD1/AD9	10	NC	?RB0/CAP1	59	3
RD0/AD8	11	NC	?RB1/CAP2	58	2
RE0/ALE	12	NC	?RB3/PWM2	57	26
RE1/OE	13	NC	?RB4/TCLK12	56	25
RE2/WR	14	NC	?RB5/TCLK3	55	24
RE3/CAP4	15	NC	?RB2/PWM1	54	23
MCLR/VPP	16	1	? VSS	53	12
TEST	17	15	? NC	52	NC
NC	18	NC	?OSC2/CLKOUT	51	14
VSS	19	12	?OSC1/CLKIN	50	13
VDD	20	28	? VDD	49	28
RF7/AN11	21	NC	?RB7/SD0	48	22
RF6/AN10	22	NC	?RB6/SCK	47	21
RF5/AN9	23	NC	?RA3/SDI/SDA	46	20

RF4/AN8	24	NC	?RA2/SS/SCL	45	19
RF3/AN7	25	NC	?RA1/T0CK1	44	18
RF2/AN6	26	NC	?RA4/RX1/DT1	43	17
RF1/AN5	27	NC	?RA5/TX1/CK1	42	16
RF0/AN4	28	NC	?RG6/RX2/DT2	41	NC
AVDD	29	NC	?RG7/TX2/CK2	40	NC
AVSS	30	NC	?RG5/PWM3	39	NC
RG3/AN0/VREF+	31	NC	?RG4/CAP3	38	NC
RG2/AN1/VREF-	32	NC	? VDD	37	28
RG1/AN2	33	NC	? VSS	36	12
RG0/AN3	34	NC	? NC	35	NC

 * SDP-C923-68 Microchip PIC16C923/924 (68 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN	PLCC 68	28-Pin DIP	?	PIN	PLCC 68	28-Pin DIP
Names	SOCKET	ZIF SOCKET	?	Names	SOCKET	ZIF SOCKET
*	1	NC	? *	*	68	NC
*	2	1	? *	*	67	NC
*	3	NC	? *	*	66	28
*	4	NC	? *	*	65	27
*	5	NC	? *	*	64	20
*	6	NC	? *	*	63	NC
*	7	8	? *	*	62	NC
*	8	NC	? *	*	61	NC
*	9	NC	? *	*	60	NC
*	10	NC	? *	*	59	NC
*	11	NC	? *	*	58	NC
*	12	NC	? *	*	57	NC
*	13	NC	? *	*	56	NC
*	14	NC	? *	*	55	NC
*	15	NC	? *	*	54	NC
*	16	NC	? *	*	53	NC
*	17	NC	? *	*	52	NC
*	18	NC	? *	*	51	NC
*	19	NC	? *	*	50	NC
*	20	NC	? *	*	49	NC
*	21	NC	? *	*	48	NC
*	22	20	? *	*	47	NC
*	23	8	? *	*	46	NC
*	24	NC	? *	*	45	NC
*	25	NC	? *	*	44	NC
*	26	NC	? *	*	43	NC
*	27	NC	? *	*	42	NC
*	28	NC	? *	*	41	NC
*	29	NC	? *	*	40	NC
*	30	NC	? *	*	39	NC
*	31	NC	? *	*	38	NC
*	32	NC	? *	*	37	NC
*	33	NC	? *	*	36	NC
*	34	NC	? *	*	35	NC

 * SDP-11K1-84 Motorola MC68HC11K1/K4(84 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN/Signal	84-Lead PLCC	40-Pin DIP	?	PIN/Signal	84-Lead PLCC	40-Pin DIP
Names	SOCKET	Base	?	Names	SOCKET	Base
PA0	1	27	? PA1	84	26	
VDD	2	21	? PA2	83	25	
VSS	3	1	? PA3	82	24	
PB7	4	28	? PA4	81	NC	
PB6	5	29	? PA5	80	NC	
PB5	6	30	? PA6	79	NC	
PB4	7	31	? PA7	78	NC	
PB3	8	32	? PD5	77	NC	
PB2	9	33	? PD4	76	NC	
PB1	10	34	? PD3	75	NC	
PB0	11	35	? PD2	74	NC	
PH0	12	NC	? PD1	73	22	
PH1	13	NC	? PD0	72	23	
PH2	14	NC	? MODA	71	37	
PH3	15	NC	? MODB	70	36	
PH4	16	NC	? RESET	69	13	
PH5	17	NC	? XTAL	68	40	
PH6	18	NC	? EXTAL	67	39	
PH7	19	NC	? XOUT	66	NC	
TEST16	20	NC	? E	65	38	
XIRQ	21	10	? VDD	64	21	
TEST15	22	NC	? VSS	63	1	

VDD	23	21	?	PC7	62	11
VSS	24	1	?	PC6	61	12
TEST14	25	NC	?	PC5	60	20
PG7	26	NC	?	PC4	59	19
PG6	27	NC	?	PC3	58	18
PG5	28	NC	?	PC2	57	17
PG4	29	NC	?	PC1	56	16
PG3	30	NC	?	PC0	55	15
PG2	31	NC	?	IRQ	54	14
PG1	32	NC	?	PF0	53	2
PG0	33	NC	?	PF1	52	3
AVDD	34	21	?	PF2	51	4
PE7	35	NC	?	PF3	50	5
PE6	36	NC	?	PF4	49	6
PE5	37	NC	?	PF5	48	7
PE4	38	NC	?	PF6	47	8
PE3	39	NC	?	PF7	46	9
PE2	40	NC	?	AVSS	45	1
PE1	41	NC	?	VRH	44	NC
PE0	42	NC	?	VRL	43	NC

 * SDP-96MH-84 Adapter Intel 87C196MH/MC (84 PINs PLCC)*
 * CONNECTION TABLE: ? *

PIN Names	PLCC84 SOCKET	40-Pin DIP ZIF SOCKET	? PIN Names	PLCC84 SOCKET	40-Pin DIP ZIF SOCKET
*	1	NC	?	84	NC
*	2	NC	?	83	20
*	3	NC	?	82	19
*	4	20	?	81	18
*	5	NC	?	80	NC
*	6	31	?	79	NC
*	7	NC	?	78	NC
*	8	NC	?	77	NC
*	9	NC	?	76	NC
*	10	NC	?	75	NC
*	11	NC	?	74	NC
*	12	1	?	73	29
*	13	2	?	72	NC
*	14	40	?	71	NC
*	15	3	?	70	NC
*	16	NC	?	69	NC
*	17	4	?	68	28
*	18	5	?	67	NC
*	19	6	?	66	NC
*	20	7	?	65	27
*	21	8	?	64	26
*	22	NC	?	63	NC
*	23	NC	?	62	NC
*	24	9	?	61	NC
*	25	10	?	60	NC
*	26	11	?	59	NC
*	27	12	?	58	25
*	28	13	?	57	24
*	29	14	?	56	40
*	30	15	?	55	20
*	31	16	?	54	23
*	32	NC	?	53	22
*	33	17	?	52	NC
*	34	NC	?	51	NC
*	35	NC	?	50	NC
*	36	21	?	49	NC
*	37	20	?	48	NC
*	38	NC	?	47	NC
*	39	40	?	46	NC
*	40	NC	?	45	NC
*	41	NC	?	44	NC
*	42	NC	?	43	20

 * SDP-705X-64Q Motorola MC68HC705X32 (64 PINs QFP) *
 * CONNECTION TABLE: ? *

PIN/Signal Names	QFP64 SOCKET	40-Pin DIP Base	裂 IN/Signal Names	QFP64 SOCKET	40-Pin DIP Base
PC1	1	NC	?PC2	64	NC
PC0	2	NC	?PC3	63	NC
VDDH	3	NC	?PC4	62	NC
VSS1	4	20	?PC5	61	3
RX0	5	NC	?PC6	60	2

RX1	6	NC	?PC7	59	1
VDD1	7	40	?VSS	58	20
RDI	8	4	?VPP1	57	NC
SCLK	9	5	?NC	56	NC
TDO	10	6	?NWOI	55	20
TCMP2	11	7	?PB0	54	39
TCMP1	12	8	?PB1	53	38
PD7	13	9	?PB2	52	NC
PD6	14	10	?PB3	51	NC
PD5	15	11	?PB4	50	NC
NC	16	NC	?PB5	49	NC
VRL	17	13	?PB6	48	NC
VRH	18	14	?PB7	47	NC
PD4	19	15	?TX1	46	NC
VDD	20	40	?TX0	45	NC
PD3	21	16	?PA0	44	37
PD2	22	17	?PA1	43	36
PD1	23	18	?PA2	42	35
PD0	24	19	?PA3	41	34
NC	25	NC	?PA4	40	33
CANE	26	20	?PA5	39	32
VPP6	27	21	?PA6	38	31
OSC1	28	22	?PA7	37	30
OSC2	29	23	?MDS	36	20
/RESET	30	24	?TCAP2	35	29
/IRQ	31	25	?TCAP1	34	40
PLMA	32	26	?PLMB	33	27

 * SDP-C923-64TQ Microchip PIC16C923/924 (64 PINs TQFP)*
 * CONNECTION TABLE: ? *

PIN Names	PLCC64 SOCKET	40-Pin DIP ZIF SOCKET	? PIN Names	PLCC64 SOCKET	40-Pin DIP ZIF SOCKET
*	1	1	*	64	13
*	2	2	*	63	11
*	3	NC	VSS	62	9
*	4	NC	*	61	7
*	5	NC	*	60	6
*	6	NC	*	59	5
*	7	NC	*	58	4
*	8	NC	VPP/MCLR	57	3
*	9	NC	*	56	40
*	10	39	*	55	20
*	11	35	RB7	54	28
VDD	12	8	RB6	53	27
VSS	13	10	VDD	52	26
*	14	NC	*	51	25
*	15	NC	*	50	24
*	16	NC	*	49	23
*	17	NC	*	48	22
*	18	NC	*	47	21
*	19	NC	*	46	33
*	20	NC	*	45	32
*	21	37	*	44	36
*	22	38	*	43	16
*	23	34	*	42	19
*	24	14	*	41	18
*	25	NC	*	40	NC
*	26	NC	*	39	NC
*	27	NC	*	38	NC
*	28	NC	*	37	31
*	29	NC	*	36	30
*	30	NC	*	35	29
*	31	NC	*	34	17
*	32	NC	*	33	15

 * SDP-C508-64Q Siemens SAB-C508-4E (64 PINs QFP) *
 * CONNECTION TABLE: ? *

PIN/Signal Names	64-Lead QFP SOCKET	40-Pin DIP ZIF SOCKET	? PIN/Signal Names	68-Lead QFP SOCKET	40-Pin DIP ZIF SOCKET
RESET	1	1	? D7	64	13
EA/Vpp	2	2	? D6	63	11
NC	3	NC	? D5	62	9
NC	4	NC	? D4	61	7
NC	5	NC	? D3	60	6
NC	6	NC	? D2	59	5
NC	7	NC	? D1	58	4
NC	8	NC	? D0	57	3

NC	9	NC	?	VDD	56	40
NC	10	39	?	VSS	55	20
NC	11	35	?	A0/A8	54	28
NC	12	8	?	A1/A9	53	27
NC	13	10	?	A2/A10	52	26
NC	14	NC	?	A3/A11	51	25
NC	15	NC	?	A4/A12	50	24
NC	16	NC	?	A5/A13	49	23
NC	17	NC	?	A6/A14	48	22
NC	18	NC	?	A7	47	21
NC	19	NC	?	/PSEN	46	33
NC	20	13	?	/PROG	45	32
NC	21	37	?	VDD	44	36
NC	22	38	?	VSS	43	16
VDD	23	34	?	XTAL1	42	19
VSS	24	14	?	XTAL2	41	18
NC	25	NC	?	NC	40	NC
NC	26	NC	?	NC	39	NC
NC	27	NC	?	NC	38	NC
NC	28	NC	?	PALE	37	31
NC	29	NC	?	/PRD	36	30
NC	30	NC	?	/PSEL	35	29
NC	31	NC	?	PMSEL1	34	17
NC	32	NC	?	PMSEL0	33	15

 * SDP-C515-80Q SIEMENS C515C/C505A (80 PINs MQFP) *
 * CONNECTION TABLE: ? *

PIN/Signal 80-Lead PLCC 48-Pin DIP PIN/Signal 80-Lead PLCC 48-Pin DIP

Names	SOCKET	Base	?	Names	SOCKET	Base
NC	1	NC	?	VSS /NC	80	47
NC	2	NC	?	NC /VCC	79	46
NC	3	NC	?	VCC /D0	78	44
NC	4	NC	?	NC /D1	77	16
NC	5	NC	?	NC /D2	76	15
NC	6	NC	?	NC /D3	75	14
NC	7	NC	?	NC /D4	74	13
NC	8	NC	?	NC /D5	73	12
NC	9	NC	?	NC /D6	72	11
NC	10	NC	?	NC /D7	71	10
RESET /NC	11	45	?	NC /A0/A8	70	9
NC	12	NC	?	D7 /A1/A9	69	8
NC	13	NC	?	D6 /A2/A10	68	7
NC	14	NC	?	D5 /A3/A11	67	6
NC	15	NC	?	D4 /A4/A12	66	5
NC	16	NC	?	D3 /A5/A13	65	4
NC	17	NC	?	D2 /A6/A14	64	3
NC	18	NC	?	D1 /A7/A15	63	2
NC	19	NC	?	D0 /NC	62	1
NC	20	NC	?	VSS /NC	61	37
NC	21	NC	?	VCC /VCC	60	40
NC	22	NC	?	EA/VPP/VSS	59	35
VSS	23	43	?	PROG /XTAL1	58	19
VCC	24	34	?	PSEN /XTAL2	57	18
PMSEL0/NC	25	21	?	NC /VPP	56	33
PMSEL1/NC	26	20	?	A7/A15/PROG	55	32
PSEL /NC	27	42	?	A6/A14/PSEN	54	31
PRD /NC	28	24	?	A5/A13/RESET	53	30
PALE /NC	29	17	?	A4/A12/PMSEL0	52	29
NC	30	NC	?	A3/A11/PMSEL1	51	28
NC	31	NC	?	A2/A10/PSEL	50	27
NC	32	NC	?	A1/A9 /PRD	49	26
NC	33	NC	?	A0/A8 /PALE	48	25
NC	34	NC	?	XTAL1 /NC	47	22
NC	35	NC	?	XTAL2 /NC	46	23
NC	36	NC	?	VSS /NC	45	41
NC	37	NC	?	VSS /NC	44	39
NC	38	NC	?	VCC /NC	43	38
NC	39	NC	?	VCC /NC	42	36
NC	40	NC	?	NC	41	NC

 * SDP-908AZ-64Q Motorola MC68HC908AZ60 (64 PINs QFP) *
 * CONNECTION TABLE: ? *

PIN/Signal	QFP64	40-Pin DIP	PIN/Signal	QFP64	40-Pin DIP
Names	SOCKET	Base	Names	SOCKET	Base
PTC4	1	NC	PTC5	64	NC
IRQ	2	7	PTC3	63	6
RST	3	8	PTC2	62	5

PTF0	4	NC	PTC1	61	4
PTF1	5	NC	PTC0	60	3
PTF2	6	NC	OSC1	59	2
PTF3	7	NC	OSC2	58	1
PTF4	8	NC	CGMXFC	57	20
CANRX	9	NC	VSSA	56	20
CANTX	10	NC	VDDA	55	34
PTF5	11	NC	VREFH	54	NC
PTF6	12	NC	PTD7	53	NC
PTE0	13	NC	PTD6	52	NC
PTE1	14	NC	PTD5	51	33
PTE2	15	NC	PTD4	50	32
PTE3	16	NC	PTH1	49	NC
PTE4	17	NC	PTH0	48	NC
PTE5	18	NC	PTD3	47	31
PTE6	19	NC	PTD2	46	30
PTE7	20	NC	AVSS	45	NC
VSS	21	20	VDDAREF	44	34
VDD	22	34	PTD1	43	29
PTG0	23	NC	PTD0	42	NC
PTG1	24	NC	PTB7	41	28
PTG2	25	NC	PTB6	40	27
PTA0	26	9	PTB5	39	26
PTA1	27	10	PTB4	38	25
PTA2	28	11	PTB3	37	24
PTA3	29	12	PTB2	36	23
PTA4	30	13	PTB1	35	22
PTA5	31	14	PTB0	34	21
PTA6	32	15	PTA7	33	16

```
*****
* SDP-1024-68 Lattice pLSI/ispLSI 1024 (68 PINs PLCC) *
* CONNECTION TABLE: ? *
*****
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[Note]:

- 1.A 1f tantalum capacitor should be put between VCC and GND.
- 2.A resistor 1.5k?should be put between IN4 and IN5.

PIN/Signal 68-Lead PLCC 28-Pin DIP PIN/Signal 68-Lead PLCC 28-Pin DIP

Names	SOCKET	Base	? Names	SOCKET	Base
GND	1	14	? VCC	68	28
IN4	2	5	? I/O35	67	18
I/O36	3	NC	? I/O34	66	NC
I/O37	4	NC	? I/O33	65	NC
I/O38	5	7	? I/O32	64	NC
I/O39	6	NC	? I/O31	63	NC
I/O40	7	NC	? I/O30	62	NC
I/O41	8	NC	? I/O29	61	NC
I/O42	9	8	? I/O28	60	NC
I/O43	10	9	? I/O27	59	NC
I/O44	11	10	? I/O26	58	NC
I/O45	12	11	? I/O25	57	NC
I/O46	13	12	? I/O24	56	NC
I/O47	14	13	?IN3/MODE	55	3
IN5	15	6	? Y1	54	21
Y0	16	20	? VCC	53	28
VCC	17	28	? GND	52	14
GND	18	14	? Y2	51	22
ispEN/NC	19	4	? Y3	50	23
RESET	20	19	?IN2/SCLK	49	1
SDI/IN0	21	2	? I/O23	48	NC
I/O0	22	NC	? I/O22	47	27
I/O1	23	NC	? I/O21	46	26
I/O2	24	16	? I/O20	45	25
I/O3	25	NC	? I/O19	44	24
I/O4	26	NC	? I/O18	43	NC
I/O5	27	NC	? I/O17	42	NC
I/O6	28	NC	? I/O16	41	NC
I/O7	29	NC	? I/O15	40	NC
I/O8	30	NC	? I/O14	39	NC
I/O9	31	NC	? I/O13	38	NC
I/O10	32	NC	? I/O12	37	NC
I/O11	33	17	? VCC	36	28
SDO/IN1	34	15	? GND	35	14

```
*****
* SDP-1032-84 Lattice pLSI/ispLSI 1032 (84 PINs PLCC) *
* CONNECTION TABLE: ? *
*****
```

[Note]:

- 1.A 1f tantalum capacitor should be put between VCC and GND.

2.A resistor 1.5k should be put between IN6 and IN7.

PIN/Signal 84-Lead PLCC 28-Pin DIP			PIN/Signal 84-Lead PLCC 28-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base
GND	1	14	? IN5	84	NC
IN6	2	5	? I/O47	83	18
I/O48	3	NC	? I/O46	82	NC
I/O49	4	NC	? I/O45	81	NC
I/O50	5	7	? I/O44	80	NC
I/O51	6	NC	? I/O43	79	NC
I/O52	7	NC	? I/O42	78	NC
I/O53	8	NC	? I/O41	77	NC
I/O54	9	NC	? I/O40	76	NC
I/O55	10	NC	? I/O39	75	NC
I/O56	11	NC	? I/O38	74	NC
I/O57	12	8	? I/O37	73	NC
I/O58	13	9	? I/O36	72	NC
I/O59	14	10	? I/O35	71	NC
I/O60	15	11	? I/O34	70	NC
I/O61	16	12	? I/O33	69	NC
I/O62	17	13	? I/O32	68	NC
I/O63	18	NC	? IN4	67	NC
IN7	19	6	? Y1	66	NC
Y0	20	NC	? VCC	65	28
VCC	21	28	? GND	64	14
GND	22	14	? Y2	63	NC
ispEN/NC	23	4	? Y3	62	NC
RESET	24	NC	?IN3/SCLK	61	1
SDI/IN0	25	2	? I/O31	60	NC
I/O0	26	NC	? I/O30	59	NC
I/O1	27	NC	? I/O29	58	27
I/O2	28	16	? I/O28	57	26
I/O3	29	NC	? I/O27	56	25
I/O4	30	NC	? I/O26	55	24
I/O5	31	NC	? I/O25	54	23
I/O6	32	NC	? I/O24	53	22
I/O7	33	NC	? I/O23	52	21
I/O8	34	NC	? I/O22	51	20
I/O9	35	NC	? I/O21	50	19
I/O10	36	NC	? I/O20	49	NC
I/O11	37	NC	? I/O19	48	NC
I/O12	38	NC	? I/O18	47	NC
I/O13	39	NC	? I/O17	46	NC
I/O14	40	NC	? I/O16	45	NC
I/O15	41	17	?SDO/IN2	44	15
MODE/IN1	42	3	? GND	43	14

 * SDP-C374-84 Cypress CY7C374 (84 PINs PLCC) *
 * CONNECTION TABLE: ? *

PIN		PLCC84		40-Pin DIP		? PIN		PLCC84		40-Pin DIP	
Names	SOCKET	ZIF	SOCKET	Names	SOCKET	ZIF	SOCKET	Names	SOCKET	ZIF	SOCKET
GND	1		20	? VCC	84		40				
VCC	2		40	? I5	83		NC				
I/O0	3		1	? I/O63	82		NC				
I/O1	4		NC	? I/O62	81		26				
I/O2	5		2	? I/O61	80		NC				
I/O3	6		NC	? I/O60	79		25				
I/O4	7		3	? I/O59	78		NC				
I/O5	8		NC	? I/O58	77		24				
I/O6	9		NC	? I/O57	76		NC				
I/O7	10		NC	? I/O56	75		23				
GND	11		20	? GND	74		20				
I/O8	12		4	? I/O55	73		NC				
I/O9	13		NC	? I/O54	72		NC				
I/O10	14		5	? I/O53	71		NC				
I/O11	15		NC	? I/O52	70		NC				
I/O12	16		6	? I/O51	69		NC				
I/O13	17		NC	? I/O50	68		NC				
I/O14	18		7	? I/O49	67		NC				
I/O15	19		8	? I/O48	66		NC				
CLK0/I0	20		38	? CLK3/I4	65		NC				
VCC	21		40	? GND	64		20				
GND	22		20	? VCC	63		40				
CLK1/I1	23		10	? CLK2/I3	62		22				
I/O16	24		11	? I/O47	61		NC				
I/O17	25		NC	? I/O46	60		NC				
I/O18	26		12	? I/O45	59		NC				
I/O19	27		NC	? I/O44	58		NC				
I/O20	28		NC	? I/O43	57		NC				
I/O21	29		NC	? I/O42	56		NC				
I/O22	30		NC	? I/O41	55		NC				
I/O23	31		NC	? I/O40	54		NC				

GND	32	20	? GND	53	20
I/O24	33	13	? I/O39	52	NC
I/O25	34	NC	? I/O38	51	21
I/O26	35	14	? I/O37	50	NC
I/O27	36	NC	? I/O36	49	19
I/O28	37	15	? I/O35	48	NC
I/O29	38	NC	? I/O34	47	18
I/O30	39	16	? I/O33	46	NC
I/O31	40	NC	? I/O32	45	17
I2	41	NC	? VCC	44	40
VCC	42	40	? GND	43	20

 * SDP-3224-100Q 100 PINs QFP Adapter *
 * CONNECTION TABLE: ? *

PIN/Signal Names	100-Lead QFP SOCKET	102-Pin Connector	48-Pin DIP Base	PIN/Signal Names	100-Lead QFP SOCKET	102-Pin Connector	48-Pin DIP Base
VSS	1	95	24	DIN0	100	82	34
DOUT7	2	88	35	NC	99	87	NC
VDD	3	96	46	NC	98	81	NC
DIN1	4	89	36	NC	97	86	NC
DOUT6	5	97	42	NC	96	80	NC
DIN2	6	90	37	NC	95	85	NC
DOUT5	7	98	43	NC	94	79	NC
DIN3	8	91	38	NC	93	84	NC
DOUT4	9	99	44	NC	92	78	NC
DIN4	10	92	39	NC	91	83	NC
DOUT3	11	100	45	NC	90	77	NC
DIN5	12	93	40	NC	89	72	NC
DOUT2	13	101	47	NC	88	76	NC
DIN6	14	94	41	NC	87	71	NC
DOUT1	15	102	48	NC	86	75	NC
DIN7	16	8	6	NC	85	70	NC
DOUT0	17	1	1	NC	84	74	NC
YADR0	18	9	7	VDD	83	69	46
YADR1	19	2	2	NC	82	73	NC
OE	20	10	8	DAC_R	81	68	R1
YADR2	21	3	3	(VSS)	80	67	24
IFREN	22	11	9	LO_BAT_REF	79	60	R2,R3
YADR3	23	4	4	VSS	78	66	24
ERASE	24	12	10	(VSS)	77	59	24
YADR4	25	5	5	(VSS)	76	65	24
XADR0	26	13	11	(VSS)	75	58	24
VSS	27	6	24	(VSS)	74	64	24
MAS1	28	14	12	(VSS)	73	57	24
VDD	29	7	46	(VSS)	72	63	24
YADR5	30	15	13	(VSS)	71	56	24
PROG	31	16	14	(VSS)	70	62	24
XADR1	32	21	18	XE	69	55	32
NVSTR	33	17	15	YE	68	61	33
XADR2	34	22	19	SE	67	53	31
NC	35	18	NC	(VSS)	66	43	24
XADR3	36	23	20	(VSS)	65	52	24
XADR8	37	19	16	(VSS)	64	42	24
XADR4	38	24	21	(VSS)	63	51	24
XADR7	39	20	17	(VSS)	62	41	24
XADR5	40	25	22	(VSS)	61	50	24
XADR6	41	31	23	(VSS)	60	40	24
(VSS)	42	26	24	(VDD)	59	48	46
DATA+	43	32	R4	NC	58	39	NC
DATA-	44	27	R5	VDD	57	47	46
(VSS)	45	33	24	VSS	56	38	24
(VDD)	46	28	46	VSS	55	46	24
(VSS)	47	34	24	VDD	54	37	46
(VSS)	48	29	24	VSS	53	45	24
NC	49	35	NC	VDD	52	36	46
VSS	50	30	24	(VSS)	51	44	24

R1:120K -> VSS
 R2: 56K -> VDD
 R3: 33K -> VSS
 R4:100K -> VDD
 R5:100K -> VSS

 * SDP-F400-56TS Intel E28F200/400(56 PINs TSOP) *
 * CONNECTION TABLE: ? *

PIN/Signal Names	56-Lead TSOP SOCKET	48-Pin DIP Base	PIN/Signal Names	56-Lead PLCC SOCKET	48-Pin DIP Base
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NC	15	NC	? RP	14	48
NC	16	NC	? WE	13	47
VPP	17	2	? NC	12	46
WP	18	3	? NC	11	45
NC	19	4	? A8	10	44
A17	20	5	? A9	9	43
A7	21	6	? A10	8	42
A6	22	7	? A11	7	41
A5	23	8	? A12	6	40
A4	24	9	? A13	5	39
A3	25	10	? A14	4	38
A2	26	11	? A15	3	37
A1	27	12	? NC	2	NC
NC	28	NC	? NC	1	NC
NC	29	NC	? NC	56	NC
NC	30	NC	? A16	55	36
A0	31	13	? BYTE	54	35
CE	32	14	? GND	53	34
GND	33	15	? DQ15/A-1	52	33
OE	34	16	? DQ7	51	32
DQ0	35	17	? DQ14	50	NC
DQ8	36	NC	? DQ6	49	30
DQ1	37	19	? DQ13	48	NC
DQ9	38	NC	? DQ5	47	28
DQ2	39	21	? DQ12	46	NC
DQ10	40	NC	? DQ4	45	27
DQ3	41	23	? VCC	44	26
DQ11	42	NC	? VCC	43	25

 * SDP-F160-56SS Intel 28F800F3 28F160F3 (56 PINs SSOP) *
 * CONNECTION TABLE: ? *

PIN/Signal 56-Lead SSOP			48-Pin DIP			PIN/Signal 56-Lead SSOP			48-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base	Names	SOCKET	Base	Names	SOCKET	Base
VCC	1	46	? WE#	56	1						
CLK	2	15	? RST#	55	2						
ADV#	3	4	? VPP	54	48						
GND	4	15	? WP#	53	3						
NC(A20)	5	5	? A19	52	47						
A15	6	6	? A1	51	45						
A14	7	7	? A2	50	44						
A13	8	8	? A3	49	43						
A12	9	9	? A4	48	42						
A11	10	10	? A5	47	41						
A10	11	11	? A6	46	40						
A9	12	12	? A7	45	39						
A8	13	13	? A17	44	38						
NC(A21)	14	14	? A18	43	37						
GND	15	15	? DQ9	42	36						
DQ6	16	16	? DQ1	41	35						
DQ14	17	17	? DQ8	40	34						
DQ7	18	18	? DQ0	39	33						
DQ15	19	19	? OE#	38	32						
GND	20	15	? GND	37	15						
VCCQ	21	46	? CE#	36	31						
A16	22	20	? A0	35	30						
WAIT#	23	NC	? NC(A22)	34	29						
DQ13	24	21	? VCCQ	33	46						
DQ5	25	22	? DQ2	32	28						
DQ12	26	23	? DQ10	31	27						
DQ4	27	24	? DQ3	30	26						
VCC	28	46	? DQ11	29	25						

 * SDP-F320-56SS Intel 28F016SA/SV 28F160S3 28F320S3 (56 PINs SSOP) *
 * CONNECTION TABLE: ? *

PIN/Signal 56-Lead SSOP			48-Pin DIP			PIN/Signal 56-Lead SSOP			48-Pin DIP		
Names	SOCKET	Base	? Names	SOCKET	Base	Names	SOCKET	Base	Names	SOCKET	Base
CE0	1	1	? VPP	56	48						
A12	2	2	? RP	55	47						
A13	3	3	? A11	54	46						
A14	4	4	? A10	53	45						
A15	5	5	? A9	52	44						
3/5,A22	6	6	? A1	51	43						
CE	7	7	? A2	50	42						
A21,NC	8	8	? A3	49	41						
A20	9	9	? A4	48	40						
A19	10	10	? A5	47	39						
A18	11	11	? A6	46	38						

A17	12	12	? A7	45	37
A16	13	13	? GND	44	15
VCC	14	34	? A8	43	36
GND	15	15	? VCC	42	34
DQ6	16	14	? DQ9	41	NC
DQ14	17	NC	? DQ1	40	35
DQ7	18	16	? DQ8	39	NC
DQ15	19	NC	? DQ0	38	33
RY/BY, STS	20	17	? A0	37	32
OE	21	18	? BYTE	36	31
WE	22	19	? NC, ADV	35	30
WP, NC	23	20	? CE2, NC, CLK	34	29
DQ13	24	NC	? DQ2	33	28
DQ5	25	21	? DQ10	32	NC
DQ12	26	NC	? DQ3	31	27
DQ4	27	22	? DQ11	30	NC
VCC, VCCQ	28	34	? GND	29	15

 * SDP-A256M-56TS AMD 29LV128MH/ML *
 * CONNECTION TABLE: ? *

PIN/Signal Names	56TSOP SOCKET	48-Pin DIP Base	PIN/Signal Names	56TSOP SOCKET	48-Pin DIP Base
A21	15	1	RESET#	14	48
WP#/ACC	16	2	WE#	13	47
RY/BY#	17	3	A20	12	46
A18	18	4	A19	11	45
A17	19	5	A8	10	44
A7	20	6	A9	9	43
A6	21	7	A10	8	42
A5	22	8	A11	7	41
A4	23	9	A12	6	40
A3	24	10	A13	5	39
A2	25	11	A14	4	38
A1	26	12	A15	3	37
A0	31	13	A16	54	36
CE#	32	14	A22	2	35
VSS	33, 52	15	A23	1	34
OE#	34	16	D15	51	33
D0	35	17	D7	50	32
D8	36	18	D14	49	31
D1	37	19	D6	48	30
D9	38	20	D13	47	29
D2	39	21	D5	46	28
D10	40	22	D12	45	27
D3	41	23	D4	44	26
D11	42	24	VDD	29, 43, 53	25

 * SDP-BL802-56SS AMD 29BL802 *
 * CONNECTION TABLE: ? *

PIN/Signal Names	56SS0P SOCKET	48-Pin DIP Base	PIN/Signal Names	56SS0P SOCKET	48-Pin DIP Base
WE	1	47	LBA#	56	48
RESET	2	2	VDD	55	25
RY/BY	3	3	NC	54	46
A18	4	4	NC	53	45
A17	5	5	A8	52	44
A7	6	6	A9	51	43
A6	7	7	A10	50	42
A5	8	8	A11	49	41
A4	9	9	A12	48	40
A3	10	10	A13	47	39
A2	11	11	A14	46	38
A1	12	12	A15	45	37
A0	13	13	A16	44	36
CE	14	14	NC	43	NC
NC	15	NC	NC	42	35
VSS	16	15	VSS	41	34
OE	17	16	D15	40	33
D0	18	17	D7	39	32
D8	19	18	D14	38	31
D1	20	19	D6	37	30
D9	21	20	D13	36	29
D2	22	21	D5	35	28
D10	23	22	D12	34	27
D3	24	23	D4	33	26
D11	25	24	VDD	32	25
VSS	26	15	VDD	31	25

CLK	27	NC	IND#	30	NC
BAA#	28	NC	NC	29	NC

```
*****
* SDP-AT128-64TQ Atmel ATmega128 *
* CONNECTION TABLE: ? *
*****
```

PIN/Signal	64SSOP	32-Pin DIP	PIN/Signal	64SSOP	32-Pin DIP
Names	SOCKET	Base	Names	SOCKET	Base
PF4(ADC4/TCK)	1	NC	PF5(ADC4/TMS)	64	NC
PF3(ADC3)	2	NC	PF6(ADC3/TDO)	63	NC
PF2(ADC2)	3	NC	PF7(ADC2/TDI)	62	NC
PF1(ADC1)	4	NC	GND	61	16
PF0(ADC0)	5	NC	VCC	60	32
AREF	6	NC	PA0(AD0)	59	24
GND	7	16	PA1(AD1)	58	NC
AVCC	8	32	PA2(AD2)	57	NC
/PEN	9	NC	PA3(AD3)	56	NC
PE0(PDI)/RXD0	10	NC	PA4(AD4)	55	NC
PE1(PDO/TXD0)	11	NC	PA5(AD5)	54	NC
PE2(AIN0/XCK0)	12	NC	PA6(AD6)	53	NC
PE3(AIN1/OC3A)	13	NC	PA7(AD7)	52	NC
PE4(INT4/OC3B)	14	NC	PG2(ALE)	51	NC
PE5(INT5/OC3C)	15	NC	PC7(A15)	50	NC
PE6(INT6/T3)	16	NC	PC6(A14)	49	NC
PE7(INT7/IC3A)	17	NC	PC5(A13)	48	NC
PB0(/SS)	18	6	PG4(A12)	47	NC
PB1(SCK)	19	7	PG3(A11)	46	NC
PB2(MOSI)	20	8	PC2(A10)	45	NC
PB3(MISO)	21	9	PC1(A9)	44	NC
PB4(OC0)	22	10	PC0(A8)	43	NC
PB5(OC1A)	23	11	PG1(/RD)	42	NC
PB6(OC1B)	24	12	PG0(/WR)	41	NC
PB7(OC1C/OC2)	25	13	PD7(T2)	40	23
TOSC2/PG3	26	NC	PD6(T1)	39	22
TOSC1/PG4	27	NC	PD5(XCK1)	38	21
RESET	28	3	PD4(IC1)	37	20
VCC	29	32	PD3(INT3/TXD1)	36	19
GND	30	16	PD2(INT2/RXD1)	35	18
XTAL2	31	NC	PD1(INT1/SDA)	34	17
XTAL1	32	15	PD0(INT0/SCL)	33	NC

```
*****
* SDP-D641-52TS/W MITSUBISHI M6MG3D641S8TP *
* CONNECTION TABLE: ? *
*****
```

PIN/Signal	52TSOP	48-Pin DIP	PIN/Signal	52TSOP	48-Pin DIP
Names	SOCKET	Base	Names	SOCKET	Base
A15	1	37	A16	52	36
A14	2	38	BYTE#	51	25
A13	3	39	S-UB#	50	34
A12	4	40	GND	49	34
A11	5	41	S-LB#	48	34
A10	6	42	D15/A-1	47	33
A9	7	43	D7	46	32
A8	8	44	D14	45	31
A19	9	14	D6	44	30
S-CE1#	10	25	D13	43	29
WE#	11	45	D5	42	28
F-RP#	12	25	D12	41	27
F-WP#	13	25	D4	40	26
S-VCC	14	25	F-VCC	39	25
S-CE2	15	15	D11	38	24
A21	16	2	D3	37	23
A20	17	46	D10	36	22
A18	18	35	D2	35	21
A17	19	4	D9	34	20
A7	20	6	D1	33	19
A6	21	7	D8	32	18
A5	22	8	D0	31	17
A4	23	9	OE#	30	16
A3	24	10	GND	29	15
A2	25	11	F-CE#	28	15
A1	26	12	A0	27	13

```
*****
* SDP-M157-52TS/W MITSUBISHI M5M29KE157MT M6MGE157S4KT *
* CONNECTION TABLE: ? *
*****
```

PIN/Signal Names	52TSOP SOCKET	48-Pin DIP Base	PIN/Signal Names	52TSOP SOCKET	48-Pin DIP Base
A15	1	37	A16	52	36
A14	2	38	S-CE2	51	25
A13	3	39	S-UB#	50	34
A12	4	40	GND	49	34
A11	5	41	S-LB#	48	34
A10	6	42	D15	47	33
A9	7	43	D7	46	32
A8	8	44	D14	45	31
A19	9	14	D6	44	30
S-CE1#	10	25	D13	43	29
WE#	11	45	D5	42	28
F-RP#	12	25	D12	41	27
F-WP#	13	25	D4	40	26
S-VCC	14	25	F-VCC	39	25
A22	15	1	D11	38	24
A21	16	2	D3	37	23
A20	17	46	D10	36	22
A18	18	35	D2	35	21
A17	19	4	D9	34	20
A7	20	6	D1	33	19
A6	21	7	D8	32	18
A5	22	8	D0	31	17
A4	23	9	OE#	30	16
A3	24	10	GND	29	15
A2	25	11	F-CE#	28	15
A1	26	12	A0	27	13

 * SDP-FU160-46SON Fujitsu MBM29LV800/160 *
 * CONNECTION TABLE: ? *

PIN/Signal Names	SON46 SOCKET	48-Pin DIP Base	PIN/Signal Names	SON46 SOCKET	48-Pin DIP Base
NC	NC	1	RESET	11	48
NC	NC	2	WE	10	47
RY/BY	37	3	NC	NC	46
A18	38	4	A19	9	45
A17	39	5	A8	8	44
A7	40	6	A9	7	43
A6	41	7	A10	6	42
A5	42	8	A11	5	41
A4	43	9	A12	4	40
A3	46	10	A13	1	39
A2	45	11	A14	2	38
A1	44	12	A15	3	37
A0	27	13	A16	20	36
CE	26	14	BYTE	21	35
VSS	25	15	VSS	22	34
OE	24	16	D15	23	33
D0	28	17	D7	19	32
D8	29	18	D14	18	31
D1	30	19	D6	17	30
D9	31	20	D13	16	29
D2	32	21	D5	15	28
D10	33	22	D12	14	27
D3	34	23	D4	13	26
D11	35	24	VDD	12	25

 * SDP-ST064-56TS ST M58LW/LV064A *
 * CONNECTION TABLE: ? *

PIN/Signal Names	56-Lead TSOP SOCKET	48-Pin DIP Base	PIN/Signal Names	56-Lead TSOP SOCKET	48-Pin DIP Base
VPP	15	1	E#	14	48
RP#	16	5	A12	13	47
A11	17	2	A13	12	46
A10	18	3	A14	11	45
A9	19	4	A15	10	43
A8	20	6	VDD	9	44
VSS	21	24	A16	8	42
A7	22	7	A17	7	41
A6	23	8	A18	6	40
A5	24	9	A19	5	39
A4	25	10	A20	4	38
A3	26	11	A21	3	37
A2	27	12	R	2	24
A1	28	13	A22	1	36

L#	29	14	NC	56	35
NC	30	15	W#	55	34
K	31	44	G#	54	33
B#	32	NC	R/B#	53	NC
DQ0	33	16	DQ15	52	32
DQ8	34	17	DQ7	51	31
DQ1	35	18	DQ14	50	30
DQ9	36	19	DQ6	49	29
VDD	37	44	VSSQ	48	24
DQ2	38	20	DQ13	47	28
DQ10	39	21	DQ5	46	27
DQ3	40	22	DQ12	45	26
DQ11	41	23	DQ4	44	25
VSS	42	24	VDDQ	43	44

 * GDP-1611-48TS Adapter (48 PINS TSOP) *
 * CONNECTION TABLE: ? *

PIN Names	48-pin TSOP SOCKET	48-Pin DIP Base	PIN Names	48-PIN TSOP SOCKET	48-Pin DIP Base
*	13	1	*	12	36
*	14	2	*	11	48
*	15	3	*	10	47
*	16	4	*	9	45
*	17	5	*	8	46
*	18	6	*	7	43
*	19	7	*	6	44
*	20	8	*	5	42
*	21	9	*	4	41
*	22	10	*	3	40
*	23	12	*	2	39
*	24	11	*	1	38
*	25	14	*	48	15
*	26	34	*	47	33
*	27	18	*	46	29
*	28	16	*	45	37
*	29	13	*	44	35
*	30	17	*	43	32
*	31	19	*	42	31
*	32	20	*	41	28
*	33	21	*	40	27
*	34	22	*	39	26
*	35	23	*	38	30
*	36	24	*	37	25

*****]*****
 * GDP-1305-48TSS Adapter (48 PINS TSOP) *
 * GDP-ST064-48TS Adapter (48 PINS TSOP) *
 * CONNECTION TABLE: ? *

PIN Names	48-pin TSOP SOCKET	48-Pin DIP Base	PIN Names	48-PIN TSOP SOCKET	48-Pin DIP Base
*	13	1	*	12	48
*	14	5	*	11	40
*	15	3	*	10	46
*	16	4	*	9	45
*	17	2	*	8	44
*	18	6	*	7	43
*	19	7	*	6	42
*	20	8	*	5	41
*	21	9	*	4	47
*	22	10	*	3	39
*	23	11	*	2	38
*	24	12	*	1	37
*	25	13	*	48	36
*	26	14	*	47	35
*	27	15	*	46	34
*	28	16	*	45	33
*	29	17	*	44	32
*	30	18	*	43	31
*	31	19	*	42	30
*	32	20	*	41	29
*	33	21	*	40	28
*	34	22	*	39	27
*	35	23	*	38	26
*	36	24	*	37	25

* GDP-130x-48TSS Adapter (48 PINs TSOP) *
 * CONNECTION TABLE: ? *

PIN Names	48-pin TSOP SOCKET	48-Pin DIP Base	PIN Names	48-PIN TSOP SOCKET	48-Pin DIP Base
*	13	2	*	12	48
*	14	4	*	11	47
*	15	8	*	10	42
*	16	10	*	9	28
*	17	14	*	8	46
*	18	13	*	7	36
*	19	21	*	6	27
*	20	1	*	5	26
*	21	15	*	4	45
*	22	17	*	3	22
*	23	5	*	2	40
*	24	3	*	1	39
*	25	7	*	48	38
*	26	9	*	47	35
*	27	18	*	46	44
*	28	12	*	45	34
*	29	6	*	44	43
*	30	11	*	43	33
*	31	37	*	42	32
*	32	24	*	41	29
*	33	16	*	40	30
*	34	20	*	39	31
*	35	19	*	38	41
*	36	23	*	37	25

 * GDP-F320-56SS Intel 28F320J5 (56 PINs SSOP) *
 * CONNECTION TABLE: ? *

IN/Signal Names	56-Lead SSOP SOCKET	48-Pin DIP Base	PIN/Signal Names	56-Lead SSOP SOCKET	48-Pin DIP Base
CE0	1	1	VPP	56	48
A12	2	2	RP	55	43
A13	3	3	A11	54	47
A14	4	4	A10	53	46
A15	5	5	A9	52	45
3/5,A22	6	6	A1	51	44
CE	7	7	A2	50	42
A21,NC	8	8	A3	49	41
A20	9	9	A4	48	40
A19	10	10	A5	47	39
A18	11	11	A6	46	38
A17	12	12	A7	45	37
A16	13	13	GND	44	24
VCC	14	34	A8	43	36
GND	15	24	VCC	42	34
DQ6	16	14	DQ9	41	NC
DQ14	17	NC	DQ1	40	35
DQ7	18	16	DQ8	39	NC
DQ15	19	NC	DQ0	38	30
RY/BY, STS	20	17	A0	37	33
OE	21	18	BYTE	36	32
WE	22	19	NC, ADV	35	31
WP, NC	23	20	CE2, NC, CLK	34	29
DQ13	24	NC	DQ2	33	28
DQ5	25	21	DQ10	32	NC
DQ12	26	NC	DQ3	31	27
DQ4	27	22	DQ11	30	NC
VCC, VCCQ	28	34	GND	29	24

 * GDP-F640-56TS Intel E28F016SA(56 PINs TSOP) *
 * GDP-F016-56TS Intel E28F128J3A(56 PINs TSOP) *
 * CONNECTION TABLE: ? *

PIN/Signal Names	56-Lead TSOP SOCKET	48-Pin DIP Base	PIN/Signal Names	56-Lead TSOP SOCKET	48-Pin DIP Base
VPP	15	1	CE0	14	48
RP	16	7	A12	13	47
A11	17	3	A13	12	46
A10	18	4	A14	11	45
A9	19	5	A15	10	44
A8	20	6	VCC	9	25
GND	21	14	A16	8	42
A7	22	8	A17	7	41

A6	23	9	A18	6	40
A5	24	10	A19	5	39
A4	25	11	A20	4	38
A3	26	12	NC	3	37
A2	27	13	CE1	2	36
A1	28	2	3/5	1	35
NC	29	19	WP	56	34
NC	30	22	WE	55	28
BYTE	31	15	OE	54	32
A0	32	16	RY/BY	53	31
DQ0	33	17	DQ15	52	NC
DQ8	34	NC	DQ7	51	30
DQ1	35	18	DQ14	50	NC
DQ9	36	NC	DQ6	49	29
VCC	37	25	GND	48	33
DQ2	38	20	DQ13	47	NC
DQ10	39	NC	DQ5	46	27
DQ3	40	21	DQ12	45	NC
DQ11	41	NC	DQ4	44	26
GND	42	24	VCC	43	25

GDP-F640-56TS:

This adapter need 3 capacitor:

C1: 21 <-> 9 (Pin # of 56-Lead TSOP Socket)

C2: 21 <-> 48

C3: 42 <-> 48

```
*****
* GDP-DIP-001 for Mortorola HC705P6/A,HC705P9, *
* Atmel 90S44xx/85xx *
* GDP-DIP-002 for Altera EPC1/2,Atmel 17Cxxx,17LVxx PROM *
* 48 PINs DIP *
* CONNECTION TABLE: *
*****
```

PIN Names	48-pin DIP SOCKET	48-Pin DIP Base	PIN Names	48-PIN DIP SOCKET	48-Pin DIP Base
*	1	2	*	48	48
*	2	4	*	47	47
*	3	8	*	46	42
*	4	10	*	45	28
*	5	14	*	44	46
*	6	13	*	43	36
*	7	21	*	42	27
*	8	1	*	41	26
*	9	15	*	40	45
*	10	17	*	39	22
*	11	5	*	38	40
*	12	3	*	37	39
*	13	7	*	36	38
*	14	9	*	35	35
*	15	18	*	34	44
*	16	12	*	33	34
*	17	6	*	32	43
*	18	11	*	31	33
*	19	37	*	30	32
*	20	24	*	29	29
*	21	16	*	28	30
*	22	20	*	27	31
*	23	19	*	26	41
*	24	23	*	25	25

GDP-DIP-002:

Add one 0.1uF(104) and one 1uF TC between VPP and GND

```
*****
* GDP-DIP-003 *
* 48 PINs DIP *
* CONNECTION TABLE: *
*****
```

PIN Names	48-pin DIP SOCKET	48-Pin DIP Base	PIN Names	48-PIN DIP SOCKET	48-Pin DIP Base
*	1	1	*	48	48
*	2	2	*	47	47
*	3	3	*	46	46
*	4	4	*	45	45
*	5	5	*	44	42
*	6	8	*	43	40
*	7	10	*	42	28
*	8	13	*	41	27
*	9	7	*	40	43
*	10	15	*	39	26

*	11	17	*	38	41
*	12	12	*	37	36
*	13	6	*	36	44
*	14	20	*	35	33
*	15	38	*	34	14
*	16	34	*	33	39
*	17	21	*	32	35
*	18	9	*	31	22
*	19	18	*	30	29
*	20	16	*	29	30
*	21	11	*	28	25
*	22	24	*	27	32
*	23	23	*	26	37
*	24	19	*	25	31

* GDP-PLCC-4401 Adapter (44 PINS PLCC) 68HC705C8/A *
* GDP-TQFP-4401 Adapter (44 PINS TQFP) 68HC705C8/A44 *
* CONNECTION TABLE: ? *

PIN Names	44-pin DIP SOCKET	48-Pin DIP Base	PIN Names	44-PIN DIP SOCKET	48-Pin DIP Base
*	1	14	*	44	48
*	2	1	*	43	46
*	3	3	*	42	44
*	4	5	*	41	45
*	5	6	*	40	43
*	6	7	*	39	41
*	7	8	*	38	39
*	8	9	*	37	36
*	9	10	*	36	40
*	10	11	*	35	38
*	11	12	*	34	34
*	12	29	*	33	33
*	13	24	*	32	37
*	14	13	*	31	35
*	15	15	*	30	32
*	16	16	*	29	31
*	17	19	*	28	28
*	18	17	*	27	27
*	19	21	*	26	26
*	20	20	*	25	22
*	21	23	*	24	25
*	22	18	*	23	30

* GDP-PLCC-4402 Adapter *
* CONNECTION TABLE: ? *

PIN Names	44-pin DIP SOCKET	48-Pin DIP Base	PIN Names	44-PIN DIP SOCKET	48-Pin DIP Base
*	1	14	*	44	48
*	2	1	*	43	46
*	3	5	*	42	44
*	4	3	*	41	45
*	5	6	*	40	41
*	6	7	*	39	43
*	7	8	*	38	39
*	8	9	*	37	36
*	9	10	*	36	40
*	10	11	*	35	38
*	11	12	*	34	34
*	12	29	*	33	33
*	13	24	*	32	37
*	14	13	*	31	35
*	15	15	*	30	32
*	16	16	*	29	31
*	17	17	*	28	28
*	18	19	*	27	27
*	19	21	*	26	26
*	20	20	*	25	22
*	21	23	*	24	25
*	22	18	*	23	30

* GDP-SOIC-1601 Adapter (16 PINS SOIC) *
* CONNECTION TABLE: ? *

Pin	16-Pin SOIC	48-Pin DIP	Pin	16-Pin SOIC	48-Pin DIP
Names	Socket	Base	Names	Socket	Base
*	-	7	*	-	43
*	-	15	*	-	26
*	-	17	*	-	41
*	-	12	*	-	36
*	-	6	*	-	44
*	-	20	*	-	33
*	-	38	*	-	14
*	-	34	*	-	39
*	1	21	*	16	35
*	2	9	*	15	22
*	3	18	*	14	29
*	4	16	*	13	30
*	5	11	*	12	25
*	6	24	*	11	32
*	7	23	*	10	37
*	8	19	*	9	31

* GDP-TSOP-2801 Adapter *
* CONNECTION TABLE: ? *

Pin	28-Pin TSOP	48-Pin DIP	Pin	28-Pin TSOP	48-Pin DIP
Names	Socket	Base	Names	Socket	Base
*	8	14	*	7	29
*	9	6	*	6	25
*	10	7	*	5	46
*	11	9	*	4	44
*	12	11	*	3	43
*	13	12	*	2	41
*	14	15	*	1	38
*	15	16	*	28	37
*	16	17	*	27	35
*	17	18	*	26	34
*	18	19	*	25	33
*	17	20	*	24	32
*	20	23	*	23	31
*	21	24	*	22	30