



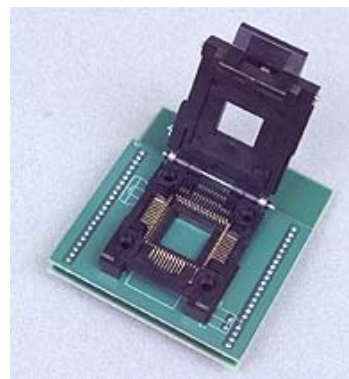
**THE DATASHEET OF  
DS87001-Q68**



## DESCRIPTION

The DS87001 family of programming adapters converts the pins of the high-speed microcontroller family in SMT packages to the 40-pin DIP footprint used by most device programmers. The following table details the available adapters, their part numbers and footprints, and the microcontrollers that are supported by each adapter.

The DS87001 programming adapters feature high quality, multiple insertion sockets with gold-plated leads. The exact dimensions of the adapter vary with part number, but are approximately 7.5cm x 8.5cm x 4.0cm tall.



ADAPTER P/N	DS87001-Q44	DS87001-E44	DS87001-Q52	DS87001-E52	DS87001-Q68	DS87001-F80
<b>PROGRAMS DALLAS P/N</b>	87C520-Qxx 89C420-Qxx 89C430-Qxx 89C440-Qxx 89C450-Qxx	87C520-Exx 89C420-Exx 89C430-Exx 89C440-Exx 89C450-Exx	87C530-Qxx 87C530-Kxx	87C530-Exx	87C550-Qxx 87C550-Kxx	87C550-Fxx
<b>DIP</b>	<b>44 PLCC</b>	<b>44 TQFP</b>	<b>52 PLCC</b>	<b>52 TQFP</b>	<b>68 PLCC</b>	<b>80 PQFP</b>
1	2	40	3	48	48	10
2	3	41	4	49	49	11
3	4	42	5	50	50	12
4	5	43	6	51	51	13
5	6	44	7	52	52	14
6	7	1	8	1	1	15
7	8	2	9	2	2	16
8	9	3	10	3	3	17
9	10	4	12	5	5	9
10	11	5	15	8	8	18
11	13	7	16	9	9	19
12	14	8	17	10	10	20
13	15	9	18	11	11	23
14	16	10	19	12	12	24
15	17	11	20	13	13	25
16	18	12	21	14	14	26
17	19	13	22	15	15	27
18	20	14	23	16	16	31
19	21	15	24	17	17	32
20	1, 22, 23	16, 17, 39	1, 25, 26, 28, 51	18, 19, 21	18, 19, 21	34, 35
21	24	18	30	23	23	38
22	25	19	31	24	24	39
23	26	20	32	25	25	40
24	27	21	33	26	26	41
25	28	22	34	27	27	42
26	29	23	35	28	28	45
27	30	24	36	29	29	46
28	31	25	37	30	30	47
29	32	26	38	31	31	48

ADAPTER P/N	DS87001-Q44	DS87001-E44	DS87001-Q52	DS87001-E52	DS87001-Q68	DS87001-F80
PROGRAMS DALLAS P/N	87C520-Qxx 89C420-Qxx 89C430-Qxx 89C440-Qxx 89C450-Qxx	87C520-Exx 89C420-Exx 89C430-Exx 89C440-Exx 89C450-Exx	87C530-Qxx 87C530-Kxx	87C530-Exx	87C550-Qxx 87C550-Kxx	87C550-Fxx
DIP	44 PLCC	44 TQFP	52 PLCC	52 TQFP	68 PLCC	80 PQFP
30	33	27	39	32	32	49
31	35	29	42	35	35	50
32	36	30	43	36	36	51
33	37	31	44	37	37	52
34	38	32	45	38	38	53
35	39	33	46	39	39	54
36	40	34	47	40	40	55
37	41	35	48	41	41	56
38	42	36	49	42	42	57
39	43	37	50	43	43	58
40	44	38	29, 52	22, 45	22, 45	72


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