

SEM56

| Mftr.  | Pins   | Description   |
|--------|--------|---|
| 80C310 | DAL 40 | 8-bit CMOS CPU, 256 bytes RAM - 25MHz.....  |
| 80C310 | DAL 44 | 8-bit CMOS CPU, 256 bytes RAM - 25MHz, PLCC Package.....                                      |
| 80C320 | DAL 40 | 8-bit CMOS CPU, 256 bytes RAM - 25MHz.....  |
| 80C320 | DAL 40 | 8-bit CMOS CPU, 256 bytes RAM - 25MHz (IND TEMP).....   |
| 80C320 | DAL 44 | 8-bit CMOS CPU, 256 bytes RAM - 25MHz, PLCC Package.....                                      |
| 87C520 | DAL 40 | 8-bit CMOS CPU, 16Kb OTP PROM, 256 bytes RAM - 33MHz, Plastic.....                            |
| 87C520 | DAL 44 | 8-bit CMOS CPU, 16Kb OTP PROM, 256 bytes RAM - 33MHz, PLCC Package.....                       |
| 87C520 | DAL 40 | 8-bit CMOS CPU, 16Kb EPROM, 256 bytes RAM - 33MHz.....  |
| 501    | INF 44 | 8-bit CMOS CPU, 8Kb OTP PROM, 256 bytes RAM - 12MHz (80C31/32 replacement), PLCC Package..... |
| 501    | INF 40 | 8-bit CMOS CPU, 8Kb OTP PROM, 256 bytes RAM - 12MHz (80C31/32 replacement).....               |
| 501    | INF 44 | 8-bit CMOS CPU, 8Kb OTP PROM, 256 bytes RAM - 24MHz (80C31/32 replacement), PLCC Package..... |
| 501    | INF 40 | 8-bit CMOS CPU, 8Kb OTP PROM, 256 bytes RAM - 24MHz (80C31/32 replacement).....               |
| 501    | INF 44 | 8-bit CMOS CPU, 256 bytes RAM - 12MHz (80C31/32 replacement), PLCC Package.....               |
| 501    | INF 40 | 8-bit CMOS CPU, 256 bytes RAM - 12MHz (80C31/32 replacement).....                             |
| 501    | INF 44 | 8-bit CMOS CPU, 256 bytes RAM - 40MHz (80C31/32 replacement), PLCC Package.....               |
| 501    | INF 44 | 8-bit CMOS CPU, 256 bytes RAM - 24MHz (80C31/32 replacement), PLCC Package.....               |
| 501    | INF 40 | 8-bit CMOS CPU, 256 bytes RAM - 24MHz (80C31/32 replacement).....                             |
| 504    | INF 44 | 8-bit CMOS CPU, 256 bytes RAM - 40MHz (80C31/32 replacement), MQFP Package.....               |
| 513    | INF 44 | 8-bit CMOS CPU, 256 bytes RAM - 12MHz (80C31/32 replacement), PLCC Package.....               |
| 515    | INF 80 | 8-bit CMOS CPU with CAN, 256 bytes RAM - 10MHz (80C31/32 replacement), MQFP Package.....      |

FOR STANDALONE FULL CAN CONTROLLERS SEE PAGE 592

| Mftrs. List No. | Order Code          | 1+ | 10+ | 100+ | 250+ |
|-----------------|---------------------|----|-----|------|------|
| DS80C310MCG     | <b>700-617</b>      |    |     |      |      |
| DS80C310QCG     | <b>700-629</b>      |    |     |      |      |
| DS80C320MCG     | <b>539-703</b>      |    |     |      |      |
| DS80C320MNG     | <b>700-605</b>      |    |     |      |      |
| DS80C320QCG     | <b>700-599</b>      |    |     |      |      |
| DS87C520MCL     | <b>787-188</b>      |    |     |      |      |
| DS87C520QCL     | <b>SMD 787-190</b>  |    |     |      |      |
| DS87C520WCL     | <b>787-206</b>      |    |     |      |      |
| SABC501G1EN     | <b>SMD 119-751</b>  |    |     |      |      |
| SABC501G1EP     | <b>119-775</b>      |    |     |      |      |
| SABC501G1E24N   | <b>SMD 119-763</b>  |    |     |      |      |
| SABC501G1E24P   | <b>119-787</b>      |    |     |      |      |
| SABC501GLN      | <b>SMD 539-211†</b> |    |     |      |      |
| SABC501GLP      | <b>539-200†</b>     |    |     |      |      |
| SABC501GL40N    | <b>SMD 632-028†</b> |    |     |      |      |
| SABC501GL24N    | <b>SMD 791-301†</b> |    |     |      |      |
| SABC501GL24P    | <b>791-295†</b>     |    |     |      |      |
| SAB-C504C-LM    | <b>SMD 688-101</b>  |    |     |      |      |
| SABC513ALN      | <b>SMD 791-313</b>  |    |     |      |      |
| SAB-C515C-LM    | <b>SMD 688-125</b>  |    |     |      |      |

† Available until stocks are exhausted

## Dallas 87C520 Starter System



This system is aimed at developers looking to evaluate/program the high speed Dallas 87C520 micro-controllers. The kit is based around a 'Universal 8051 Monitor Module' which allows user code to be downloaded into external RAM and then single-stepped under PC control using the Keil 'dScope' debugger. The system is supplied with an advanced Windows Integrated Development Environment (IDE), Keil C51 Compiler, Assembler and Debugger. This makes it ideal for evaluation and small projects.

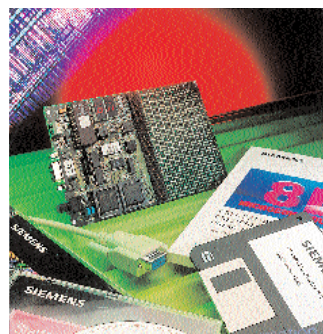
### Features:

- Integrated Development Environment (IDE) including an ANSI C Compiler, Macro Assembler, project management utility and software simulator/debugger (limited to 2K total code output)
- Universal 8051 Monitor Module including two serial port channels allowing one for debugging information and one for user serial communications hardware and a prototyping area
- Includes a UK power supply, serial and parallel cables
- Ideal for evaluation purposes and small projects

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| EQ-DS520-ST1 (UK) Dallas 87C520 Starter System ..Order Code 302-2250 | <b>each</b> |
| EQ-DS520-ST1 (EU) Dallas 87C520 Starter System ..Order Code 327-0282 | <b>each</b> |

## SK-5xx Starter Kits



Each starter kit contains an evaluation board which connects to a PC via RS-232 and allows for capabilities of the featured microcontrollers to be assessed and development of applications to be carried out quickly and easily. The board has a wire wrap area and RAM and FLASH memory for program download. Evaluation versions of third party development software are provided, with restricted code size, as well as full data on the microcontroller, the board manual and application notes. The starter kit CD-ROM also contains code examples, both source and executable.

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| SK-504, Starter Kit for C504 microcontroller...Order Code 119-880 | <b>each</b> |
| SK-515, Starter Kit for C515 microcontroller...Order Code 119-908 | <b>each</b> |
| SK-167, Starter Kit for C167 microcontroller...Order Code 119-910 | <b>each</b> |

## DAvE CD-ROM

DAvE - Digital Application Engineer CD-ROM aids evaluation and comparison of the C500 and C166 families of microcontrollers, allowing selection of correct device for application. It is a source for all standard information on Siemens embedded technology with access to user's manual, data, application notes etc. It helps with programming of the selected device via intelligent wizards, configure the device and auto-generate C-level templates with driver functions for on chip peripherals and interrupt controls.

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| DAvE, Digital Application Engineer CD-ROM ..Order Code 119-738 | <b>each</b> |
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