

Programmers	Description	
Dataman 40Pro	PC based universal 40-pin programmer with ISP capabilities and USB 2.0 Connectivity. Complete with Windows® driver software (98/ME/NT/2000/XP/2003/XP	672
Dataman 48Pro	PC based universal 48-pin programmer with ISP capabilities and USB 2.0 Connectivity. Complete with Windows® driver software (9x/ME/NT/2000/XP/2003/XP	1182
Dataman 48UXP	PC based intelligent, high speed 48-pin Universal Programmer with low voltage support. Complete with free 44-pin universal PLCC Adaptor, Windows® driver s	1352
Dataman 448Pro	The Dataman 448Pro is a PC based gang programmer featuring four independent universal programming modules with USB 2.0 connectivity, complete with Wi	2883
Note: Software upgrades for all our programmers are free of charge and can be downloaded from our website http://www.dataman.com/		
Device Validators	Description	
Vali-File	Windows® based File Validator program with built-in encrypted database. Produces CRC-32 and SHA-1 signatures for any file format or size then searches ag	587
Vali-Flash E 4.1	Windows® based Validator for all "CompactFlash" devices. This End User version has an encrypted database. It identifies, reads and produces CRC-32 and St	1692
Vali-Flash M 4.1	Windows® based Validator for all "CompactFlash" devices. This is the Manufacturer's version. It has all the same functionalities as the E version above. In addi	2202
Erasers	Description	
Battery Eraser	Battery powered portable EPROM Eraser (Incl. 4 AA batteries)	100
Max-E	240V EPROM Eraser (Drawer holds up to 12 24-pin EPROMS)	145
Strobe	240V EPROM Eraser gun (Able to erase in-circuit)	298
S4 Modules and Adaptors	Description	
MOD-28TS	28-pin TSOP Adaptor for S4 supported devices (Universal)	170
MOD-32TS	32-pin TSOP Adaptor for S4 supported devices (Universal)	196
MOD-44PS	44-pin PSOP Adaptor for AMD/Fujitsu 29F200/29F400	230
MOD-AVR	AVR Module for S4 (covers AVR Micros in 8, 20 & 40-pin DIL)	213
MOD-PIC17C756	68-pin PLCC Adaptor for PIC17C756 (required PIC Module)	213
MOD-SRL-8SO	8-Pin SOIC Adaptor for Serial EEPROMs	153
PDIL-3228	32-pin PLCC to 28-pin DIL Adaptor (for Emulation lead)	153
PDIL-3232	32-pin PLCC to 32-pin DIL Adaptor (for Emulation lead)	153
PDIL-4440	44-pin PLCC to 40-pin DIL Adaptor (for Emulation lead)	153
PIC-12Cxxx-DIP	8-pin DIP Adaptor for PIC12Cxxx devices (requires PIC Module)	153
PIC-12Cxxx-SOP	8-pin SOIC Adaptor for PIC12Cxxx devices (requires PIC Module)	153
PIC-1744	PLCC Adaptor for PIC17C42 (requires S4 PIC module)	153
PIC-SO18	18-pin SOIC to 18-pin DIL Adaptor (requires PIC Module)	128
PIC-SO28	28-pin SOIC to 28-pin DIL Adaptor (requires PIC Module)	128
PIC-SS20	20-pin SSOP to 18-pin DIL Adaptor (requires PIC Module)	153
PIC-SS28	28-pin SSOP to 28-pin DIL Adaptor (requires PIC Module)	153
PLCC-2020-01	20-pin DIL to 20-pin PLCC Adaptor	116
PLCC-2824-03	24-pin DIL to 28-pin PLCC Adaptor (5,10, 21 & 22 NC)	153
PLCC-2824-04 (DIL24/PLCC28 ZIF PLD-1)	Device specific adaptor for PAL/GAL in PLCC28 (24 pin in DIL)	145
PLCC-2824-05	24-pin DIL to 28-pin PLCC Adaptor (5, 8, 11 & 19 NC)	116
PLCC-2828	28-pin DIL to 28-pin PLCC Adaptor	153
PLCC-3228	28-pin DIL to 32-pin PLCC Adaptor (Universal)	116
PLCC-3232 (DIL32/PLCC32 ZIF)	Adaptor for devices in PLCC32	128
PLCC-4440	40-pin DIL to 44-pin PLCC Adaptor (requires S4 1640 Module) (Universal)	153
PLCC-5144	40-pin DIL to 44-pin PLCC Adaptor (requires MCS-51 Module)	153
S4 4042	40/42-Pin, 8/16-bit EPROM Module (MROM-pinout)	145
S4 GAL	20 & 24-pin Programmable Erasable Logic Device Module	332

S4 MCS51	8751 family microcontrollers Module	213
S4 PIC	PIC Module Set (12, 16, 17 and 18 Series)	213
S4 SRLEE	8-pin, Serial EEPROM Adaptor (24, 25, 93, & 95 Series)	128
40Pro, 48Pro, 448Pro Adaptors	Description	
2708 Module	Module for EPROMs 2708 series and EPROMs TMS2716 series	170
BGA-Bottom-10	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	145
BGA-Bottom-11	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	145
BGA-Bottom-12	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	145
BGA-Bottom-15	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	145
BGA-Bottom-16	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	145
BGA-Bottom-19	BGA-Bottom-19	145
BGA-Bottom-2	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	145
BGA-Bottom-21	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	145
BGA-Bottom-24	Bottom board of BGA adaptor for Flash devices with balls in matrix 12x8	145
BGA-Bottom-25	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	145
BGA-Bottom-3	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	145
BGA-Bottom-32	Bottom board of BGA adaptor for PLD devices with balls in matrix 16x16	230
BGA-Bottom-37	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x7	170
BGA-Bottom-4	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	145
BGA-Bottom-5	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	145
BGA-Bottom-7	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	145
BGA-Bottom-8	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	145
BGA-Bottom-9	Bottom board of BGA adaptor for Flash devices with balls in matrix 14x14	145
BGA-Top-1 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	502
BGA-Top-10 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 120 balls), ClamShell type	587
BGA-Top-11 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 120 balls), ClamShell type	587
BGA-Top-12 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	502
BGA-Top-13 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	587
BGA-Top-14 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	587
BGA-Top-15 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	587
BGA-Top-2 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	502
BGA-Top-21 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	587
BGA-Top-23 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 64 balls), ClamShell type	587
BGA-Top-25 ZIF-CS	Top board of BGA adaptor for ZIF BGA48 (accept package up to 48 balls), ClamShell type	587
BGA-Top-27 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 80 balls), ClamShell type	587
BGA-Top-28 ZIF-CS	Top board of BGA adaptor for ZIF BGA56 (accept package up to 133 balls), ClamShell type	587
BGA-Top-29 ZIF	Top board of BGA adaptor for ZIF BGA80 (accept package up to 120 balls), open top type	502
BGA-Top-3 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 120 balls), ClamShell type	502
BGA-Top-31 ZIF	Top board of BGA adaptor for ZIF BGA48 (accept package up to 120 balls), open top type	502
BGA-Top-32 ZIF-CS	Top board of BGA adaptor for ZIF BGA19 (accept package up to 150 balls), ClamShell type	587
BGA-Top-4 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 120 balls), ClamShell type	502
BGA-Top-44 ZIF	Top board of BGA adaptor for ZIF BGA256 (accept package up to 289 balls), open top type	587
BGA-Top-5 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 80 balls), ClamShell type	587
BGA-Top-51 ZIF-CS	Top board of BGA adaptor for ZIF BGA96 (accept package up to 107 balls), ClamShell type	587
BGA-Top-57 ZIF	Top board of BGA adaptor for ZIF BGA56, open top type	638
BGA-Top-58 ZIF	Top board of BGA adaptor for ZIF BGA48, open top type	587
BGA-Top-6 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 80 balls), ClamShell type	502

BGA-Top-7 ZIF-CS	Top board of BGA adaptor for ZIF BGA64 (accept package up to 120 balls), ClamShell type	587
DIL16/SOIC16 ZIF 150mil	Universal adaptor for SOIC devices up to 16-pins	128
DIL16/SOIC16 ZIF 170mil	Universal adaptor for SOIC devices up to 16-pins	247
DIL16/SOIC16 ZIF 200mil	Universal adaptor for SOIC devices up to 16-pins (e.g. 8-pins microcontrollers Microchip PIC12Cxxx)	204
DIL20/PLCC20 ZIF	Universal adaptor for devices in PLCC20	145
DIL20/PLCC20 ZIF-CS	Universal adaptor for devices in PLCC20	221
DIL20/QFN20-1 ZIF-CS	Universal adaptor for devices in QFN20/MLP20 package (Cygna C8051Fxxx)	323
DIL20/SOIC20 ZIF 300mil	Universal adaptor for SOIC devices up to 20-pins	128
DIL24/PLCC28 ZIF PLD-1	Device specific adaptor for PAL/GAL in PLCC28 (24 pin in DIL)	145
DIL24/QSOP24 ZIF 150mil	Universal adaptor for QSOP devices up to 24 pins	315
DIL24/TSSOP24 ZIF 170mil	Universal adaptor for TSSOP devices up to 24 pins (e.g. serial EEPROMs)	247
DIL28/PLCC28 ZIF	Universal adaptor for devices in PLCC28	145
DIL28/PLCC28 ZIF-CS	Universal adaptor for devices in PLCC28	221
DIL28/PLCC32 ZIF EPROM	Device specific adaptor for 28-pins DIL EPROMs in PLCC32	145
DIL28/PLCC84 ZIF H8-1	Device specific adaptor for programming Renesas (Hitachi) HD6473308CP10 in PLCC84 package	281
DIL28/PLCC84 ZIF HS538ESC01H	Device specific adaptor for programming Renesas (Hitachi) HD6475348RCP, HD6475348SCP in PLCC84 package	323
DIL28/PQFP52 ZIF-CS SX52	Device specific adaptor for Uicom SX52BD in PQFP52 package	400
DIL28/QFN28-1 ZIF-CS	Universal adaptor for devices in QFN28/MLP28 package (Cygna C8051Fxxx)	502
DIL28/QFN28-2 ZIF-CS	Universal adaptor for devices in QFN28/MLP28 package (Microchip PICmicro)	315
DIL28/QFP64 ZIF H8/3644	Device specific adaptor for Renesas (Hitachi) HD6473644 (OTP version) in QFP64 package	374
DIL28/SOIC28 ZIF 300mil	Universal adaptor for SOIC devices up to 28-pins	128
DIL28/SOIC28 ZIF 330mil	Universal adaptor for SOIC devices up to 28-pins	230
DIL28/TSOP28 ZIF 11.8mm	Universal adaptor for TSOP devices (mainly EEPROM, e.g. AT28BV64) up to 28-pins,	145
DIL28/TSSOP28 ZIF 170mil	Universal adaptor for TSSOP devices up to 28 pins (e.g. serial EEPROMs)	213
DIL32/MLF32-1 ZIF	Universal adaptor for devices in MLF32	332
DIL32/PLCC32 ZIF	Universal adaptor for devices in PLCC32	128
DIL32/PLCC32 ZIF-CS	Universal adaptor for devices in PLCC32	153
DIL32/QFP64 ZIF H8-1	Device specific adaptor for Renesas (Hitachi) HD64F3644, HD64F3643, HD64F3642A in QFP64 package	374
DIL32/SDIP32 ZIF 400mil	Universal adaptor for devices in SDIP32	281
DIL32/SDIP64 ZIF H8-1	Device specific adaptor for Renesas (Hitachi) HD64F3644P in SDIP64 package	340
DIL32/SDIP64-1 ZIF Toshiba-BM1136	Device specific adaptor for Toshiba TMP87PH40A, TMP87PM40A and TMP87PM41 microcontrollers	281
DIL32/SOIC32 ZIF 300mil	Universal adaptor for SOIC devices with 32-pins	221
DIL32/TQFP100 ZIF HS3434ESNF1H	Device specific adaptor for Renesas (Hitachi) HD64F3437F16/HD64F3437TF16/HD64F3434F16/HD64F3434TF16 in TQFP100 package	451
DIL32/TQFP32-1 ZIF	Universal adaptor for devices in TQFP32	221
DIL32/TSOP32 ZIF 11.8mm	Universal adaptor for devices in TSOP32 package	400
DIL32/TSOP32 ZIF 12.4mm Flash	Device specific adaptor for Flash EPROMs in TSOP32 package	221
DIL32/TSOP32 ZIF 18.4mm	Universal adaptor for TSOP devices (mainly FLASH EPROM) with 32 pins	281
DIL32/TSOP32 ZIF 18.4mm Flash	Device specific adaptor for Flash EPROMs in TSOP32 package	221
DIL34/SSOP34 ZIF 200mil	Universal adaptor for SSOP devices up to 34 pins (e.g. Atmel AVR - 20Y package, Microchip PICmicro 16Cxxx, Scenix SXxxx)	145
DIL34/SSOP34-1 ZIF-CS	Universal adaptor for devices in SSOP34	281
DIL40/MLF64 ZIF-CS AVR-1	Device specific adaptor for Atmel AVR family in MLF64 package	315
DIL40/MQFP52 ZIF ADuC812	Device specific adaptor for Analog Devices ADuC812 in MQFP52 package	315
DIL40/PLCC28 ZIF AWM-1	Device specific adaptor for Atmel (Temic) AT89C5115, T89C51CC02 in PLCC28 package	145
DIL40/PLCC44 ZIF AWM-1	Device specific adaptor for Atmel (Temic) T89C51AC2, T89C51CC01 in PLCC44 package	162
DIL40/PLCC44 ZIF PIC-1	Device specific adaptor for PICmicro in the PLCC44 package (PIC16x6x/7x, 18Fxxx)	170
DIL40/PLCC44 ZIF W-EPROM/MCS51	Device specific adaptor for microcontrollers '51 family and 16-bit EPROMs	145
DIL40/PLCC52 ZIF AWM-1	Device specific adaptor for Temic T89C5131 in PLCC52 package	230

DIL40/PLCC52 ZIF AWM-2	Device specific adaptor for Atmel AT89C51CC03 in PLCC52 package	323
DIL40/PLCC52 ZIF DS87C530	Device specific adaptor for DALLAS DS87C530 in PLCC52 package	170
DIL40/PLCC52 ZIF MCS51-2	Device specific adaptor for Atmel (TEMIC) T87C5112 in PLCC52 package	247
DIL40/PLCC68 ZIF AWM-1	Device specific adaptor for Atmel (Temic) T89C51RD2 in PLCC68 package	238
DIL40/PLCC68 ZIF DS87C550	Device specific adaptor for DALLAS DS87C550 in PLCC68 package	204
DIL40/PLCC68 ZIF PIC-1	Device specific adaptor for PICmicro in PLCC68 (PIC16C923/924, PIC17C752/756)	204
DIL40/PLCC68 ZIF PIC-2	Device specific adaptor for PICmicro in PLCC68 (PIC18Cxxx/Fxxx series)	247
DIL40/PLCC68 ZIF W-1	Device specific adaptor for Winbond W79Ex48 family in PLCC68 package	323
DIL40/PLCC84 ZIF PIC-1	Device specific adaptor for PICmicro in PLCC84 (PIC17C762, PIC17C766, PIC18C858)	272
DIL40/QFP100 ZIF AVR-1	Device specific adaptor for Atmel AVR family in QFP100 package	442
DIL40/QFP144 ZIF H8S-1	Device specific adaptor for Renesas (Hitachi) HD64F25x2 and HD64F25x6 QFP144 package	451
DIL40/QFP144 ZIF LPC-1	Device specific adaptor for Philips LPC22xx family in QFP144	451
DIL40/QFP64 ZIF LPC-1	Device specific adaptor for Philips LPC21xx family in QFP64	315
DIL40/QFP64-1 ZIF-CS NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in QFP64 package	340
DIL40/QFP64-2 ZIF-CS NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in QFP64 package	340
DIL40/QFP64-3 ZIF NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in LQFP64 package	400
DIL40/QFP64-4 ZIF NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in LQFP64 package	400
DIL40/QFP80 ZIF M37702	Device specific adaptor for Mitsubishi/Renesas M37702 in QFP80 package	553
DIL40/QFP80 ZIF W83L950	Device specific adaptor for Winbond W83L950 in QFP80 package	442
DIL40/SDIP52 ZIF 55x	Device specific adaptor for Micronas SDA55xx in SDIP52 (600mil)	391
DIL40/SOIC20 ZIF AWM-1	Device specific adaptor for Atmel (Temic) AT89C5114 in SOIC20 package	162
DIL40/SOIC28 ZIF AWM-1	Device specific adaptor for Atmel (Temic) AT89C5115, T89C51CC02 in SOIC28 package	162
DIL40/TQFP44 ZIF AWM-1	Device specific adaptor for Atmel (Temic) T89C51AC2, T89C51CC01 in TQFP44 package	298
DIL40/TQFP44 ZIF PIC-1	Device specific adaptor for PICmicro in TQFP44	204
DIL40/TQFP44-1 ZIF MCS51	Device specific adaptor for Atmel MCS51 family, Atmel AT90S/LS8515 and AT90S/LS4414 in TQFP44 package	298
DIL40/TQFP52 ZIF EM652X	Device specific adaptor for EM652x in TQFP52	400
DIL40/TQFP64 ZIF AVRmega-2	Device specific adaptor for Atmel AVR-Mega series in TQFP64 package	332
DIL40/TQFP64 ZIF CC-1	Device specific adaptor for Chipcon CC1010 in TQFP64	400
DIL40/TQFP64 ZIF EM652X	Device specific adaptor for EM652x in TQFP64	400
DIL40/TQFP64 ZIF PIC-1A	Device specific adaptor for PICmicro in TQFP64 (PIC16C9xx, PIC17C75x, PIC18C65x, dsPIC30F)	323
DIL40/TQFP80-1 ZIF AWM-1	Device specific adaptor for Temic T89C51SND1 in TQFP80 package	374
DIL40/TQFP80-1 ZIF PIC-1A	Device specific adaptor for PICmicro in TQFP80 (PIC18F8520/25/85/8620/21/80/8720, dsPIC30F)	374
DIL40/TSOP40 ZIF 18.4mm	Universal adaptor for TSOP devices (mainly FLASH EPROM) with 40 pins	281
DIL40/TSOP40 ZIF 18.4mm Flash-1	Device specific adaptor for EPROM/Flash in TSOP40 package	298
DIL40/TSOP40 ZIF-CS 12.4mm	Universal adaptor for TSOP devices (mainly FLASH EPROM) up to 40-pins	281
DIL40/VQFP64 ZIF AWM-1	Device specific adaptor for Atmel (Temic) T89C51RD2 in VQFP64 package	323
DIL42/SDIP42 ZIF 600mil	Universal adaptor for devices in SDIP42 (600mil)	383
DIL44/MLF44-1 ZIF-CS	Universal adaptor for devices in MLF44	374
DIL44/PLCC44 ZIF	Universal adaptor for devices in PLCC44	128
DIL44/PLCC44 ZIF PLD-1	Device specific adaptor for obsolete PLD (e.g. CY7C343B) in PLCC44	442
DIL44/PLCC44 ZIF-CS	Universal adaptor for devices in PLCC44	170
DIL44/PSOP44 ZIF 600mil	Universal adaptor for PSOP (SOIC) devices up to 44 pins (especially FLASH EPROM)	145
DIL44/QFN44-2 ZIF-CS	Universal adaptor for devices in QFN(MLF)44	315
DIL44/SOIC44 ZIF-CS	Universal adaptor for SOIC and PSOP devices up to 44 pins	655
DIL44/SSOP44 ZIF 240mil	Universal adaptor for SSOP devices up to 44-pins	281
DIL44/TQFP44-1 ZIF	Universal adaptor for devices in TQFP44	204
DIL44/TQFP44-2 ZIF	Universal adaptor for devices in TQFP44	221

DIL44/TQFP44-3 ZIF	Universal adaptor for devices in TQFP44	221
DIL44/TSOP44-II ZIF 400mil	Universal adaptor for TSOP-II devices (mainly EPROM/FLASH EPROM OKI) up to 44-pins	425
DIL48/LQFP64 ZIF M16C/Tiny	Device specific adaptor for Renesas (Mitsubishi) M16C/26A,M16C/28,M16C/29 family in LQFP64 package	442
DIL48/LQFP64 ZIF M38039/M39049	Device specific adaptor for Renesas (Mitsubishi) M38039FFHQP and M38049FFHQP in LQFP64 package	442
DIL48/MLF56 ZIF-CS CY-1	Device specific adaptor for Cypress CY8C24794, CY8C24894 in MLF56	315
DIL48/MQFP80 ZIF C164	Device specific adaptor for Infineon SAKC164CI-8EM/SAFC164CI-8EM in MQFP80 package	366
DIL48/MQFP80 ZIF C500	Device specific adaptor for Infineon C505 and C515 family in MQFP80 package	323
DIL48/PLCC52 ZIF 68HC05Bx	Device specific adaptor for Motorola microcontrollers 68HC05Bx family (MC68HC705B16, B32, etc.)	247
DIL48/PLCC52 ZIF 68HC11	Device specific adaptor for Motorola microcontrollers 68HC11 and 68HC08 family (68HC11A1FN, A7FN, A8FN, E1FN, E8FN, 68HC908AS60, AS32, etc.)	204
DIL48/PLCC52 ZIF MCS196-1	Device specific adaptor for Intel chips MCS196 in PLCC52 package (87C196 JQ, JR, JT, JV)	323
DIL48/PLCC68 ZIF 68HC11	Device specific adaptor for Motorola microcontrollers 68HC11 family (68HC11KA1FN, KA2FN, KA4FN, etc.)	204
DIL48/PLCC68 ZIF MCS196-1	Device specific adaptor for Intel chips MCS196 in PLCC68 package (87C196 KB, KC, KD, KR, KT)	204
DIL48/PLCC68 ZIF MCS51-1	Device specific adaptor for Philips 87C451, 87C453, 87C552, 87C554 and 89C739 in PLCC68 package	145
DIL48/PLCC68 ZIF MCS51-2	Device specific adaptor for Philips PXAS37KB series in PLCC68 package	204
DIL48/PLCC68 ZIF PLD-1	Device specific adaptor for Atmel ATF1504, Altera EPM70xx and Coolrunner family in PLCC68 package	332
DIL48/PLCC84 ZIF MCS196-2	Device specific adaptor for Intel chips MCS196 in PLCC84 package (87C196 MC, MD, MH)	289
DIL48/PLCC84 ZIF PLD-1	Device specific adaptor for programming Atmel ATF1504, ATF1508 and ALTERA EPM7064 in PLCC84 package	281
DIL48/PLCC84 ZIF PLD-2	Device specific adaptor for Xilinx XC9572 in PLCC84 package	281
DIL48/PLCC84 ZIF PLD-3	Device specific adaptor for AMD/Vantis/Lattice MACH13x, 23x, 435 in PLCC84 package	332
DIL48/PLCC84 ZIF PLD-4	Device specific adaptor for programming Altera EPM7128, EPM7128E in PLCC84 package	272
DIL48/PQFP100 ZIF PLD-1	Device specific adaptor for Xilinx XC9572, XC95108, XC95144 in PQFP100 package	374
DIL48/PQFP100 ZIF ST10-1	Device specific adaptor for ST10F166 in PQFP100 package	442
DIL48/PQFP100 ZIF ST92Fxxx	Device specific adaptor for ST92 family in PQFP100 package	442
DIL48/PQFP144 ZIF ST10-1	Device specific adaptor for ST10F168, ST10F269 in PQFP144 package	451
DIL48/PQFP144 ZIF ST10-2	Device specific adaptor for ST10F276 in PQFP144 package	672
DIL48/PQFP80 ZIF M58BW-1	Device specific adaptor for M58BW016 in PQFP80 package	442
DIL48/QFN48 ZIF-CS	Universal adaptor for devices in MLF (QFN, SON, MLP) with 48 pins	383
DIL48/QFP100 ZIF H8-1	Device specific adaptor for Renesas (Hitachi) H8/3026, H8/3028, H8/3029, H8/3048B, H8/3052B, H8/3062B, H8/3064B, H8/3068, H8/3069R in QFP100 package	451
DIL48/QFP100 ZIF H8S-4	Device specific adaptor for Renesas (Hitachi) H8S/2149, H8S/2148, H8S/2147, H8S/2145, H8S/2142, H8S/2141, H8S/2110 in QFP100 package	451
DIL48/QFP100 ZIF MB90F-1	Device specific adaptor for Fujitsu MB90F546GSPFV-G in LQFP100 package	442
DIL48/QFP100 ZIF MB90F-2	Device specific adaptor for Fujitsu MB90F598, MB90F598GPF-GE1 in QFP100 package	451
DIL48/QFP100 ZIF NEC-1	Device specific adaptor for NEC uPD70F3114GC-8EU in QFP100 package	468
DIL48/QFP100 ZIF NEC-2	Device specific adaptor for NEC uPD70F3017A in LQFP100 package	451
DIL48/QFP100 ZIF PLD-2	Device specific adaptor for Altera MAX II, Cypress Ultra37000 and Cypress FLASH370i in TQFP100 package	451
DIL48/QFP100 ZIF PLD-3	Device specific adaptor for Altera EPM7064S/AE/B, EPM7128S/AE/B and EPM7256AE/B in TQFP100 package	315
DIL48/QFP100 ZIF PLD-4	Device specific adaptor for Lattice LC4064B/C/V/Z, LC4128B/C/V/Z, LC4256B/C/V/Z, LCMXO256, LCMXO640 in QFP100 package	442
DIL48/QFP100-1 ZIF M16C/62-1	Device specific adaptor for Renesas (Mitsubishi) M3062x (M30620FCPGP, M30624FGPGP, ...) in LQFP100 package	374
DIL48/QFP100-1 ZIF MSP430	Device specific adaptor for TI (TMS) MSP430Fxxx family in QFP100 package	374
DIL48/QFP100-1 ZIF NEC-3	Device specific adaptor for NEC uPD70F3079AYGC in QFP100 package	451
DIL48/QFP100-2 ZIF M16C/62-1	Device specific adaptor for Renesas (Mitsubishi) M3062x (M30620FCPGP, M30624FGPGP, ...) in QFP100 package	374
DIL48/QFP112 ZIF HCS12-1	Device specific adaptor for Motorola MC9S12 family in QFP112 package	374
DIL48/QFP112 ZIF HCS12-2	Device specific adaptor for Motorola MC9S12 family (e.g. MC9S12DJ128) in QFP112 package	400
DIL48/QFP120 ZIF-CS HD64F-1	Device specific adaptor for Renesas (Hitachi) HD64F2215TE in TQFP120 package	502
DIL48/QFP144 ZIF H8S-2	Device specific adaptor for Renesas (Hitachi) HD64F2111BV, HD64F2160BV, HD64F2161BV, HD64F2169YV and RE144AV in QFP144 package	451
DIL48/QFP144 ZIF H8S-3	Device specific adaptor for Renesas (Hitachi) HD64F2376, HD64F2377/R and HD64F2378/R in QFP144 package	451
DIL48/QFP144 ZIF M16C-1	Device specific adaptor for Renesas (Mitsubishi) M16C/6K M306K9FCLRP in QFP144 package	553
DIL48/QFP144 ZIF PLD-1	Device specific adaptor for Altera EPM3128A/256A, EPM7128A/256A, EPM7128AE/256AE/512AE, EPM7128B/256B/512B in TQFP144 package	451

DIL48/QFP144 ZIF PLD-2	Device specific adaptor for Xilinx XC95144XL/288XL, XC95144XV/288XV, XC2C128/256/384 in TQFP144 package	451
DIL48/QFP64 ZIF 68HC-1	Device specific adaptor for Motorola 68HC11xxx series in QFP64 package	281
DIL48/QFP64 ZIF 68HC-2	Device specific adaptor for Motorola 68HC705xxx series in QFP64 package	298
DIL48/QFP64 ZIF HD64-1	Device specific adaptor for Renesas (Hitachi) HD64F2128 in QFP64 package	315
DIL48/QFP64 ZIF MSP430-1	Device specific adaptor for TI (TMS) MSP430Fxxx family in QFP64 package	298
DIL48/QFP64 ZIF PLD-1	Device specific adaptor for Xilinx CPLD XC95xxXL in VQFP64 package	315
DIL48/QFP64 ZIF XE-1	Device specific adaptor for Xemixs XE88LC05A in QFP64 package	468
DIL48/QFP64-1 ZIF C8051	Device specific adaptor for Cygnal 8051 MCU in TQFP64 package	442
DIL48/QFP64-1 ZIF-CS NEC78K-1	Device specific adaptor for NEC uPD78P014, uPD78P018 in QFP64 package	442
DIL48/QFP80 ZIF HC11-1	Device specific adaptor for Motorola HC11 family (e.g MC68HC11K1) in QFP80 package	315
DIL48/QFP80 ZIF HCS12-1	Device specific adaptor for Motorola MC9S12 family in QFP80 package	374
DIL48/QFP80 ZIF HCS12-2	Device specific adaptor for Motorola MC9S12 family (e.g MC9S12DJ128) in QFP80 package	374
DIL48/QFP80 ZIF HD-1	Device specific adaptor for Renesas (Hitachi) HD4074818H in QFP80 package	672
DIL48/QFP80 ZIF-CS Z8F-1	Device specific adaptor for Zilog Z8F6423, Z8F4828 in QFP80 package	442
DIL48/QFP80-1 ZIF HC908-1	Device specific adaptor for Motorola HC908LJ24 in LQFP80 package	315
DIL48/QFP80-1 ZIF MCS51-1	Device specific adaptor for Philips PXAS37KB series in QFP80 package	340
DIL48/SDIP56 ZIF 68HC05Bx	Device specific adaptor for Motorola 68HC05Bx family in SDIP56 package	374
DIL48/SSOP48 ZIF 300mil	Universal adaptor for devices in SSOP48	332
DIL48/SSOP56 ZIF Flash-1	Device specific adaptor for Flash EPROMs in SSOP56 package (standard pinout)	425
DIL48/SSOP56 ZIF Flash-2	Device specific adaptor for AMD AM29BL802/162 Flash EPROMs in SSOP56 package	425
DIL48/SSOP56 ZIF Flash-3	Device specific adaptor for Flash EPROMs in SSOP56 package (Intel 28FxxxF3x)	425
DIL48/SSOP70 ZIF OKI-1	Device specific adaptor for EPROMs OKI MR26V256x5 in SSOP70 package	400
DIL48/SSOP90 ZIF Flash-1	Device specific adaptor for Fujitsu Flash MBM29XL12DF and MBM29PL3200TE in SSOP90 package	468
DIL48/TQFP100 ZIF PLD-2	Device specific adaptor for Xilinx CPLD XC95xxx and CoolRunner-II family in TQFP100 package	374
DIL48/TQFP100 ZIF ST92Fxxx	Device specific adaptor for ST92 family in TQFP100 package	442
DIL48/TQFP100-2 ZIF PLD-1	Device specific adaptor for Altera EPM, Atmel ATF, Xilinx XCR in TQFP100 package	374
DIL48/TQFP144 ZIF ST10-1	Device specific adaptor for ST10F276Z5T3 in TQFP144 package	451
DIL48/TQFP48-1 ZIF	Universal adaptor for devices in TQFP48	289
DIL48/TQFP64 ZIF HC908-1	Device specific adaptor for Motorola 68HC908AZ60, 68HC908AS60 in TQFP64 package	298
DIL48/TQFP64 ZIF HC908-2	Device specific adaptor for Motorola HC908LJ12, HC908LJ24, HC908GR32A, HC908GR48A, HC908GR60A, HC908GZ32, HC908GZ48 and HC908GZ60 in Q	272
DIL48/TQFP64 ZIF MSC1210	Device specific adaptor for TI (TMS) MSC1210 family in TQFP64 package	298
DIL48/TQFP64-1 ZIF ST7-1	Device specific adaptor for ST7 family in TQFP64 package	374
DIL48/TQFP64-2 ZIF HC908-2	Device specific adaptor for Motorola HC908LJ12, HC908LJ24 in TQFP64 package	315
DIL48/TQFP64-2 ZIF ST7-1	Device specific adaptor for ST7 family in TQFP64 package	374
DIL48/TSOP48 ZIF 15.4mm	Universal adaptor for devices (mainly FLASH EPROM) in WSOP48	476
DIL48/TSOP48 ZIF 18.4mm	Universal adaptor for TSOP devices (mainly FLASH EPROM) up to 48-pins	281
DIL48/TSOP56 ZIF 18.4mm Flash-1	Device specific adaptor for Flash EPROMs in TSOP56 package (standard pinout)	400
DIL48/TSOP56 ZIF 18.4mm Flash-2	Device specific adaptor for Flash EPROMs in TSOP56 package (Intel 28FxxxF3x)	425
DIL48/TSOP56 ZIF 18.4mm Flash-3	Device specific adaptor for Flash EPROMs in TSOP56 package (SGS-Thomson (STM) M58LW0xxxx)	374
DIL48/TSOP56 ZIF 18.4mm Flash-4	Device specific adaptor for Flash EPROMs in TSOP56 package (AM29LV128M)	391
DIL48/TSOP56 ZIF 18.4mm Flash-5	Device specific adaptor for Flash EPROMs in TSOP56 package (TE28F640P30)	374
DIL48/TSOP56 ZIF 18.4mm Flash-6	Device specific adaptor for Flash EPROMs in TSOP56 package (M58LW128A)	391
DIL48/TVSOP48 ZIF-CS 170mil	Universal adaptor for devices in TVSOP up to 48 pins	374
DIL8/QFN8-1 ZIF-CS	Universal adaptor for devices in QFN8/MLP8/MLF8/SON8 package (Winbond serial EEPROM)	391
DIL8/SOIC8-1 ZIF 170mil	Universal adaptor for SOIC devices with 8 pins	264
DIL8/SOT23-6 ZIF-CS PIC	Device specific adaptor for PICmicro in SOT23-6 package (PIC10Fxxx)	315
DIL8/SSOP8 ZIF 120mil	Universal adaptor for SSOP8 devices (e.g. for Microchip 25xx family in MSOP8)	315

DIL48/QFP208 ZIF PLD-1	Device specific adaptor for Altera EPM3xxxA and EPM7xxxA/AE/B in PQFP208 package	553
48, LV, XP and UXP Adaptors	Description	
GDP-1305-48TSS	48-pin TSSOP Adaptor for Sharp LRS1305	349
GDP-F016-56TS	56-pin TSOP Adaptor for Intel FLASH 28F016SA	298
LVT-6408W30-80F	80-pin UBGA Adaptor for Intel 28F6408W18 CSP FLASH	417
LVT-640W18-56U	56-pin UBGA Adaptor for Intel 28F128/320/640W18 (1.8Vcc, I/O)	502
PLCC-2020-01	20-pin DIL to 20-pin PLCC Adaptor	116
PLCC-2824-03	24-pin DIL to 28-pin PLCC Adaptor (5,10, 21 & 22 NC)	153
PLCC-2824-04 (DIL24/PLCC28 ZIF PLD-1)	Device specific adaptor for PAL/GAL in PLCC28 (24 pin in DIL)	145
PLCC-2824-05	24-pin DIL to 28-pin PLCC Adaptor (5, 8, 11 & 19 NC)	116
PLCC-2828	28-pin DIL to 28-pin PLCC Adaptor	153
PLCC-3228	28-pin DIL to 32-pin PLCC Adaptor (Universal)	116
PLCC-3232 (DIL32/PLCC32 ZIF)	Adaptor for devices in PLCC32	128
PLCC-4440-01	44-pin PLCC Adaptor for 16 bit EPROM (NC=1, 13, 23, 33)	187
PLCC-4440-02	44-pin PLCC Adaptor for 875X processor (NC=1, 12, 23, 34)	187
SDP-1024-68	68-pin PLCC Adaptor for Lattice 1024	187
SDP-1032-84	84-pin PLCC Adaptor for Lattice 1032	230
SDP-11F1-68	68-pin PLCC Adaptor for Motorola 68HC11F1	187
SDP-11K1-84	84-pin PLCC Adaptor for Motorola MC68HC11K1/K4	230
SDP-11L6-68	68-pin PLCC Adaptor for Motorola MC68HC711L6	187
SDP-1329-64F	72-pin CSP Adaptor (8mm x 11mm) for Sharp LRS1329/40/49/56	417
SDP-1331-64F	72-pin CSP Adaptor (8mm x 11mm) for Sharp LRS1331/37/41/42/57/58/6	417
SDP-1800-68	68-pin PLCC Adaptor for Altera 1800/1810/1830	187
SDP-1826-64F	64-pin FBGA Adaptor for Atmel AT52BR3244/48 and Sharp LRS1826	417
SDP-196J-68	68-pin PLCC Adaptor for Intel 87C196KQ	187
SDP-196K-68	68-pin PLCC Adaptor for Intel 87C196KB	187
SDP-3108-100Q	100-pin QFP Adaptor for Xilinx 73108	255
SDP-3108-84	84-pin PLCC Adaptor for Xilinx 73108	230
SDP-3204-64F	72-pin CSP Adaptor for Intel RD28F1604/ RD28F3204	417
SDP-320E-68	68-pin PLCC Adaptor for TI TMS320E25	230
SDP-3224-100Q	100-pin QFP Adaptor for ST STV0680	332
SDP-41DL16-69F	69-pin FBGA Adaptor for AMD 41DL16xxMCP	417
SDP-42DL32-73F	73-pin FBGA Adaptor for AMD 41DL32xxMCP	417
SDP-49PDL64-73F	73-pin FBGA Adaptor for AMD Am49PDL640AG	417
SDP-5000-68	68-pin PLCC Adaptor for Atmel ATV5000/5100	187
SDP-5128-68	68-pin PLCC Adaptor for Altera EPM5128	187
SDP-5192-84	84-pin PLCC Adaptor for Altera EPM5192	230
SDP-6408-64F	64-pin uBGA Adaptor for Intel RD28F3208C3B/T and RD28F6408J3A	417
SDP-6811-52B	52-pin PLCC Adaptor for Motorola 68HC11A1/E9/E1/E2, 68HC711E9/E20	187
SDP-705B-52	52-pin PLCC Adaptor for Motorola 68705B5/B16/B32	187
SDP-705X-64Q	64-pin PQFP Adaptor for Motorola 68HC705X32	264
SDP-7064-100Q	100-pin QFP Adaptor for Altera EPM7064	255
SDP-7064-68	68-pin PLCC Adaptor for Altera EPM7064/7096	187
SDP-7064-84	84-pin PLCC Adaptor for Altera EPM7064/7096	230
SDP-7096-100Q	100-pin QFP Adaptor for Altera EPM7096	255
SDP-7128-100Q	100-pin QFP Adaptor for Altera EPM7128/E	255
SDP-7128-84	84-pin PLCC Adaptor for Altera EPM7128/E	230

SDP-7160-100Q	100-pin QFP Adaptor for Altera EPM7160/E	255
SDP-7160-84	84-pin PLCC Adaptor for Altera EPM7160/E	230
SDP-7272-68	68-pin PLCC Adaptor for Xilinx 7272	187
SDP-7272-84	84-pin PLCC Adaptor for Xilinx 7272	230
SDP-7354-68	68-pin PLCC Adaptor for Xilinx 7354	187
SDP-7372-68	68-pin PLCC Adaptor for Xilinx 7372	187
SDP-7552-68	68-pin PLCC Adaptor for Philips 87C552	187
SDP-7592-68	68-pin PLCC Adaptor for Philips 87C592	187
SDP-908AS-52	52-pin PLCC Adaptor for Motorola 68HC908AS	264
SDP-908AZ-64Q	64-pin QFP Adaptor for Motorola MC68HC908AZ60	264
SDP-95108-100Q	100-pin QFP Adaptor for Xilinx EPLD	255
SDP-95108-84	84-pin PLCC Adaptor for Xilinx XC95108	230
SDP-9572-84	84-pin PLCC Adaptor for Xilinx XC9572	230
SDP-96MH-84	84-pin PLCC Adaptor for Intel 87C196MH	230
SDP-A128M-64E	64-pin EBGA Adaptor for AMD 29LV640MH/L	417
SDP-A160-48F	48-pin FBGA Adapter for AMD 29LV160 (0.8mm pitch)	349
SDP-A256M-56TS	56-pin TSOP Adaptor for AMD AM29LV256MH/L	264
SDP-A320-48F	48-pin uFBGA Adaptor for AMD29DL32X (6 x 12 mm)	417
SDP-A640-48F	48-pin FBGA Adaptor (0.8mm pitch) for AMD 29DL640D	417
SDP-A642-64E	64-pin EBGA Adaptor for AMD 29LV642D	417
SDP-A800-48F	48-pin FBGA Adaptor for AMD 29LV800 (0.8mm pitch)	349
SDP-AD816-52Q	52-pin QFP Adaptor for Analog device AduC812/816	264
SDP-AT128-64TQ	64-pin TQFP Adaptor for Atmel ATmega64/128	264
SDP-BL802-56SS	56-pin SSOP Adaptor for AMD 29BL802C/1602C	264
SDP-C374-84	84-pin PLCC Adaptor for Cypress CY7C373/374	230
SDP-C508-64	64-pin QFP Adaptor for Infineon C508-4E	264
SDP-C515-80Q	80-pin QFP Adaptor for Siemens C515/505	264
SDP-C530-52	52-pin PLCC Adaptor for Dallas DS87C530	187
SDP-C752-68	68-pin PLCC Adaptor for PIC 17C752/6	187
SDP-C923-64TQ	64-pin TQFP Adaptor for PIC16C923/4	264
SDP-D641-52TS/W	52-pin TSOP Adaptor for Mitsubishi M6MGT321S4TP, M6MGT641S8TP	264
SDP-EBGA-001	64-pin EBGA Adaptor (1.0mm pitch) for Intel 28F800/160/320F3/C3	417
SDP-EBGA-002	64-pin Easy EBGA (1.0mm pitch) Adaptor for Intel 28F320/640/128J3A	417
SDP-EBGA-003	64-pin EBGA Adaptor for Intel 28F128J3C	417
SDP-F016-56TS	56-pin TSOP Adaptor for Intel FLASH 28F016SV	298
SDP-F1316-64F	72-pin FBGA Adaptor (0.8mm pitch) for Sharp LRS1306/16A	417
SDP-F160-56SS	56-pin SSOP Adaptor for Intel FLASH DT28F016F3	264
SDP-F320-56SS	56-pin SSOP Adaptor for Intel 28F016X	264
SDP-F400-56TS	56-pin TSOP Adaptor for Intel 28F200/28F400	298
SDP-H338-84	84-pin PLCC Adaptor for Hitachi H8/338 HD6473388	230
SDP-H532-84	84-pin PLCC Adaptor for Hitachi H8/532 HD6475328	230
SDP-i320-48U	48-pin uBGA Adaptor for Intel 28F320B3/C3 (0.75mm pitch)	349
SDP-i320-48VF	48-pin VFBGA Adaptor for Intel 28F320B3, 28F320C3C, 28F160C3C	417
SDP-i640-48VF	48-pin VFBGA Adaptor for Intel GE28F640C3	417
SDP-M120-68	68-pin PLCC MACH 120/220 (replaces PLCC6828-01)	187
SDP-M130-84	84-pin PLCC MACH 130/230/435 (replaces PLCC8424-01)	230
SDP-M131-100Q	100-pin QFP Adaptor for AMD MACH131/231	264

SDP-M157-52TS/W	52-pin TSOP Adaptor for Mitsubishi M5M29KE-157MT	349
SDP-MF00-783A	100-pin QFP Adapter for Fujitsu MB91F109	587
SDP-PIC-20SS/200	20-pin SSOP Adaptor for Microchip PIC Mcu (200 mil/0.65 mm)	187
SDP-S064J-56F	56-pin FBGA Adapter for Spansion S71PL032J/064J	417
SDP-SST800-48F	48-pin FBGA Adaptor for SST39VF800/160	417
SDP-ST064-56TS	56-pin TSOP Adaptor for ST 58LW064A	264
SDP-ST320-48U	48-pin UBGA (0.75mm pitch) Adaptor for ST28W320CT	417
SDP-UNIV-16/TS	16-pin TSOP Adaptor for 8/16-pin (Universal)	187
SDP-UNIV-16SO (DIL16/SOIC16 ZIF 150mil)	Adaptor for SOIC devices up to 16-pins	128
SDP-UNIV-16SO/170	16-pin SOIC Adaptor (173 mil body, 1.27 pitch) (Universal)	187
SDP-UNIV-20SO	20-pin SOIC Adaptor (Universal)	187
SDP-UNIV-20SO/200	20-pin SOIC Adaptor for 207mil devices (Universal)	187
SDP-UNIV-24SS/150	24-pin SSOP Adaptor (150 mil, 0.635mm pitch) (Universal)	187
SDP-UNIV-28SO/300	28-pin SOIC Adaptor for 0.300" devices (Universal)	187
SDP-UNIV-28SS/200	Universal Adaptor for 28-pin SSOP devices (200 mil body, 0.65mm pitch)	187
SDP-UNIV-28TS	28-pin TSOP Adaptor for 8mm X 14mm devices (Universal)	230
SDP-UNIV-28TSS/170	28-pin TSSOP (173 mil) universal Adaptor pitch 0.65mm	255
SDP-UNIV-32TQ	32-pin TQFP Adaptor (Universal)	264
SDP-UNIV-32TS (DIL32/TSOP32 ZIF 18.4mm)	Adaptor for Flash EPROMs in TSOP32 package	221
SDP-UNIV-32TS/W	32-pin TSOP Adaptor for 8mm X 14mm devices (Universal)	187
SDP-UNIV-40TS	40-pin TSOP Adaptor (Universal)	255
SDP-UNIV-40TS/W	40-pin TSOP Adaptor for 10mm X 14mm devices (Universal)	264
SDP-UNIV-40TSS	40-pin TSSOP universal Adaptor for 40-pin TSSOP flash memory	255
SDP-UNIV-42SD	42-pin Shrink DIP Adaptor (Universal)	255
SDP-UNIV-44 (DIL44/PLCC44 ZIF)	Universal adaptor for devices in PLCC44	128
SDP-UNIV-44C	44-pin PLCC Clamshell Adaptor (Universal)	187
SDP-UNIV-44PSO	44-pin PSOP Adaptor (Universal)	264
SDP-UNIV-44Q	44-pin QFP Adaptor (Universal)	255
SDP-UNIV-44TQ	44-pin Thin QFP Adaptor (Universal)	264
SDP-UNIV-44TS	44-pin TSOP Adaptor (Universal)	255
SDP-UNIV-48SS/300	48-pin SSOP Adaptor for 300 mil devices (Universal)	264
SDP-UNIV-48TS	48-pin TSOP Adaptor (Universal)	264
SDP-UNIV-48TS/W	48-pin TSOP Adaptor for 12mm X 14mm devices (Universal)	264
SDP-UNIV-48TSS	48-pin TSSOP (10mm x 14mm) with 0.4mm pitch universal Adaptor for FLASH memory	264
848 Adaptors	Description	
GDP-1305-48TSS	48-pin TSSOP Adaptor for Sharp LRS1305	349
GDP-130X-48TSS	48-pin TSSOP Adaptor for Sharp LRS1305	264
GDP-1611-48TS	48-pin TSOP Adaptor for Macronix MX29L1611	264
GDP-DIP-001	DIP Adaptor for Motorola HC705P6/A/P9 & Atmel AT90S44xx/AT90S85xx	170
GDP-DIP-002	DIP Adaptor for Altera EPC1/2 and Atmel 17Cxxx, 17LVxxx PROM	170
GDP-DIP-003	DIP Adaptor for PIC 16C64/5A/5B/7, 16C74A, 16C77/774, 17LVxxx PROM	170
GDP-F016-56TS	56-pin TSOP Adaptor for Intel FLASH 28F016SA	298
GDP-F320-56SS	56-pin SSOP Adaptor for Intel 28F320/640/128J5/J3	264
GDP-F640-56TS	56-pin TSOP Adaptor for Intel 28F320/640J5/J3	264
GDP-PLCC-4401C	44-pin PLCC to DIP Adaptor for Motorola 68HC705C8/A	128
GDP-PLCC-4402	44-pin PLCC Adaptor for PIC devices	128
GDP-SOIC-1601	16-pin SOIC Adaptor for PIC12F629/675	187

GDP-SOIC-1602	16-pin SOIC Adaptor for ST M25P10/20/40	187
GDP-ST064-48TS	48-pin TSOP Adaptor for STM29KW016/032/064	264
GDP-TQFP-4401	44-pinTQFP to DIP Adaptor for Motorola 68HC705C8/A44	298
GDP-TSOP-2801	28-pin TSOP (8x14mm) Adaptor for ATMEL45DB161/081	264
LVT-6408W30-80F	80-pin UBGA Adaptor for Intel 28F6408W18 CSP FLASH	417
LVT-640W18-56U	56-pin UBGA Adaptor for Intel 28F128/320/640W18 (1.8Vcc, I/O)	502
PLCC-2020-01	20-pin DIL to 20-pin PLCC Adaptor	116
PLCC-3228	28-pin DIL to 32-pin PLCC Adaptor (Universal)	116
PLCC-3232 (DIL32/PLCC32 ZIF)	Adaptor for devices in PLCC32	128
PLCC-4440-01	44-pin PLCC Adaptor for 16 bit EPROM (NC=1, 13, 23, 33)	187
PLCC-4440-02	44-pin PLCC Adaptor for 875X processor (NC=1, 12, 23, 34)	187
SDP-1329-64F	72-pin CSP Adaptor (8mm x 11mm) for Sharp LRS1329/40/49/56	417
SDP-1331-64F	72-pin CSP Adaptor (8mm x 11mm) for Sharp LRS1331/37/41/42/57/58/6	417
SDP-1826-64F	64-pin FBGA Adaptor for Atmel AT52BR3244/48 and Sharp LRS1826	417
SDP-3204-64F	72-pin CSP Adaptor for Intel RD28F1604/ RD28F3204	417
SDP-3224-100Q	100-pin QFP Adaptor for ST STV0680	332
SDP-41DL16-69F	69-pin FBGA Adaptor for AMD 41DL16xxMCP	417
SDP-42DL32-73F	73-pin FBGA Adaptor for AMD 41DL32xxMCP	417
SDP-49PDL64-73F	73-pin FBGA Adaptor for AMD Am49PDL640AG	417
SDP-6408-64F	64-pin uBGA Adaptor for Intel RD28F3208C3B/T and RD28F6408J3A	417
SDP-A128M-64E	64-pin EBGA Adaptor for AMD 29LV640MH/L	417
SDP-A160-48F	48-pin FBGA Adapter for AMD 29LV160 (0.8mm pitch)	349
SDP-A256M-56TS	56-pin TSOP Adaptor for AMD AM29LV256MH/L	264
SDP-A320-48F	48-pin uFBGA Adaptor for AMD29DL32X (6 x 12 mm)	417
SDP-A640-48F	48-pin FBGA Adaptor (0.8mm pitch) for AMD 29DL640D	417
SDP-A642-64E	64-pin EBGA Adaptor for AMD 29LV642D	417
SDP-A800-48F	48-pin FBGA Adaptor for AMD 29LV800 (0.8mm pitch)	349
SDP-AT128-64TQ	64-pin TQFP Adaptor for Atmel ATmega64/128	264
SDP-C508-64	64-pin QFP Adaptor for Infineon C508-4E	264
SDP-C923-68	68-pin PLCC Adaptor for Microchip PIC 16C923/924	187
SDP-D641-52TS/W	52-pin TSOP Adaptor for Mitsubishi M6MGT321S4TP, M6MGT641S8TP	264
SDP-EBGA-001	64-pin EBGA Adaptor (1.0mm pitch) for Intel 28F800/160/320F3/C3	417
SDP-EBGA-002	64-pin Easy EBGA (1.0mm pitch) Adaptor for Intel 28F320/640/128J3A	417
SDP-EBGA-003	64-pin EBGA Adaptor for Intel 28F128J3C	417
SDP-F1316-64F	72-pin FBGA Adaptor (0.8mm pitch) for Sharp LRS1306/16A	417
SDP-F320-56SS	56-pin SSOP Adaptor for Intel 28F016X	264
SDP-i320-48U	48-pin uBGA Adaptor for Intel 28F320B3/C3 (0.75mm pitch)	349
SDP-i320-48VF	48-pin VFBGA Adaptor for Intel 28F320B3, 28F320C3C, 28F160C3C	417
SDP-i640-48VF	48-pin VFBGA Adaptor for Intel GE28F640C3	417
SDP-M157-52TS/W	52-pin TSOP Adaptor for Mitsubishi M5M29KE-157MT	349
SDP-MF00-783A	100-pin QFP Adapter for Fujitsu MB91F109	587
SDP-SDA555-52SD	52-pin TSOP Adaptor for Micronas SDA555XFL	230
SDP-SST800-48F	48-pin FBGA Adaptor for SST39VF800/160	417
SDP-ST064-56TS	56-pin TSOP Adaptor for ST 58LW064A	264
SDP-ST320-48U	48-pin UBGA (0.75mm pitch) Adaptor for ST28W320CT	417
SDP-UNIV-20SO	20-pin SOIC Adaptor (Universal)	187
SDP-UNIV-20SO/200	20-pin SOIC Adaptor for 207mil devices (Universal)	187

SDP-UNIV-28SO/300	28-pin SOIC Adaptor for 0.300" devices (Universal)	187
SDP-UNIV-28SS/200	Universal Adaptor for 28-pin SSOP devices (200 mil body, 0.65mm pitch)	187
SDP-UNIV-28TS	28-pin TSOP Adaptor for 8mm X 14mm devices (Universal)	230
SDP-UNIV-32TS (DIL32/TSOP32 ZIF 18.4mm)	Adaptor for Flash EPROMs in TSOP32 package	221
SDP-UNIV-32TS/W	32-pin TSOP Adaptor for 8mm X 14mm devices (Universal)	187
SDP-UNIV-40TS	40-pin TSOP Adaptor (Universal)	255
SDP-UNIV-40TS/W	40-pin TSOP Adaptor for 10mm X 14mm devices (Universal)	264
SDP-UNIV-40TSS	40-pin TSSOP universal Adaptor for 40-pin TSSOP flash memory	255
SDP-UNIV-44 (DIL44/PLCC44 ZIF)	Universal adaptor for devices in PLCC44	128
SDP-UNIV-44C	44-pin PLCC Clamshell Adaptor (Universal)	187
SDP-UNIV-44PSO	44-pin PSOP Adaptor (Universal)	264
SDP-UNIV-44Q	44-pin QFP Adaptor (Universal)	255
SDP-UNIV-44TQ	44-pin Thin QFP Adaptor (Universal)	264
SDP-UNIV-44TS	44-pin TSOP Adaptor (Universal)	255
SDP-UNIV-48SS/300	48-pin SSOP Adaptor for 300 mil devices (Universal)	264
SDP-UNIV-48TS	48-pin TSOP Adaptor (Universal)	264
SDP-UNIV-48TS/W	48-pin TSOP Adaptor for 12mm X 14mm devices (Universal)	264
SDP-UNIV-48TSS	48-pin TSSOP (10mm x 14mm) with 0.4mm pitch universal Adaptor for FLASH memory	264
Option-1	8 x SDP-UNIV-48TS Adaptors	
Option-2	8 x SDP-UNIV-40TS Adaptors	
Option-3	8 x SDP-UNIV-44PS Adaptors	
Option-4	8 x PLCC-3232 (DIL32/PLCC32 ZIF) Adaptors	
Option-X	Consists of Options 1, 2, 3 and 4	
S4 Accessories	Description	
RS 925	RS232 serial cable, 9-pin F to 25-pin M	24
S4 batt	Spare NiCd battery pack	32
S4 c110	Spare charger, 110v	24
S4 c220	Spare charger, 220v	24
S4 Cal	Standard calibration charge for S4	162
S4 case	Padded carrying case for S4 & accessories	60
S4 CRC-32 lib	Upgrade CRC-32 library ROM (Available free from our website)	14
S4 eml	Emulation lead, 20 inch	17
S4 lib	Upgrade library ROM (Available free from our website)	14
S4 lith	Replacement lithium battery for the S4	
S4 man	Operator's Manual	
S4 Repair	Standard repair charge for S4 with 3 month warranty (after expiry of 3 year warranty)	162
S4 SHA-1 lib	Upgrade SHA-1 library ROM (Available free from our website)	14
S4 usb	USB serial adaptor (RS 925 required)	34
S4 wrl	Write lead, 20 inch	9
S4 xmem	512k bytes (4Mbit) RAM upgrade for S4-128k	77
40Pro and 48Pro Accessories	Description	
40Pro/48Pro Cal	Standard calibration charge for 40Pro/48Pro	162
40Pro/48Pro Repair	Standard repair charge for 40Pro/48Pro with 3 month warranty (after expiry of 3 year warranty)	162
48, LV, XP and UXP Accessories	Description	
D48 Cal	Standard calibration charge for Dataman 48	162
D48 Repair	Standard repair charge for Dataman 48 with 3 month warranty (after expiry of 3 year warranty)	162
D48-LVUpg	Low Voltage hardware upgrade for Dataman-48	425

D48-UXPUpg	UXP Software/Hardware Upgrade Kit for Dataman-48LV	425
RS 2525	RS232 serial cable, 25-pin F to 25-pin M	24
ZIF Socket	Replacement 48-pin Zif Socket	34
848 Accessories	Description	
D848 Cal	Standard calibration charge for Dataman 848	255
D848 Repair	Standard repair charge for Dataman 848 with 3 month warranty (after expiry of 1 year warranty)	255
RS 2525	RS232 serial cable, 25-pin F to 25-pin M	24
ZIF Socket	Replacement 48-pin Zif Socket	34
S3 Accessories	Description	
RS 925	RS232 serial cable, 9-pin F to 25-pin M	24
S3 batt	Spare NiCd battery pack	32
S3 c240	Spare Charger (Only available in 240v)	24
S3 Cal	Standard calibration charge for S4	162
S3 case	Padded carrying case for S4 & accessories	60
S3 CD ROM	CD ROM containing manual and all software	51
S3 eml	Emulation lead, 20 inch	17
S3 lib	Upgrade library ROM (Available free from our website)	14
S3 Repair	Standard repair charge for S4 with 3 month warranty (after expiry of 3 year warranty)	162
OMNI-PRO II Accessories	Description	
OMNI-PLCC-4428-01	28-pin DIL to 44-pin PLCC (for AMD MACH110/210/215)	213
OMNI-PLCC-4428-02	28-pin DIL to 44-pin PLCC (for Lattice ispLSI 1016)	213
OMNI-PLCC-6828-02	28-pin DIL to 68-pin PLCC (Lattice ispLSI 1024)	230
OMNI-PLCC-8428	28-pin DIL to 84-pin PLCC (for Lattice ispLSI 1032)	230
Eraser Accessories	Description	
Batt-Bulb	Replacement bulb for Battery Eraser	32
Speed-Bulb	Replacement bulb for Speed-EE Eraser	43
Strobe-Bulb	Replacement bulb for Strobe Eraser	60