



215 E. Michigan Ave. Orange City, FL 32763

Tel: (386) 774-7785 / Fax: (386) 774-7796

# Price List

## September 2010

### Programmers

<u>Part No</u>	<u>Description</u>	<u>Price</u>
Dataman 40Pro	Universal 40-pin programmer with ISP capabilities and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 3 year parts and labour warranty.	\$ 595.00
Dataman 48Pro+	Universal 48-pin programmer with ISP capabilities and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 3 year parts and labour warranty.	\$ 995.00
Dataman 48UXP	Universal 48-pin programmer with USB 2.0 and parallel connectivity. Complete with free 44-pin universal PLCC adapter, Windows® driver software, moulded USB and parallel cable and a 3 year parts and labour warranty.	\$ 1295.00
Dataman 48Pro2	Super fast universal 48-pin programmer with ISP capabilities and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 3 year parts and labour warranty.	\$ 1195.00
Dataman 448Pro+	Universal ISP gang programmer with four independent 48-pin ZIF sockets and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 3 year parts and labour warranty.	\$ 3250.00
Dataman 848XP	Universal gang programmer with eight fully isolated 48-pin ZIF sockets and USB 2.0 connectivity. Complete with free vacuum pick up kit, Windows® driver software, moulded USB and parallel cable and a 3 year parts and labour warranty.	\$ 2995.00
Dataman 448Pro2	Super fast universal ISP gang programmer with four independent 48-pin ZIF sockets and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 3 year parts and labour warranty.	\$ 3595.00
Dataman 848Pro2	Super fast stand-alone universal ISP gang programmer with eight independent 48-pin ZIF sockets and USB 2.0 connectivity. Complete with Windows® software, manual and a 3 year parts and labour warranty.	\$ 8995.00
Dataman MEMPro	40-pin memory programmer with USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 1 year parts and labour warranty.	\$ 395.00
Dataman PIKPro	40-pin PIC and dsPIC programmer with ISP capabilities and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 1 year parts and labour warranty.	\$ 395.00
Dataman T51Pro	40-pin MCS51 and AVR programmer with ISP capabilities and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 1 year parts and labour warranty.	\$ 395.00

**Software upgrades for all our programmers are free of charge and can be downloaded from our website**

### USB Oscilloscopes

<u>Part No</u>	<u>Description</u>	<u>Price</u>
Dataman 522	Dual channel oscilloscope with 60 MHz bandwidth and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 2 year parts and labour warranty.	\$ 720.00
Dataman 524	Dual channel oscilloscope with 120 MHz bandwidth and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 2 year parts and labour warranty.	\$ 895.00
Dataman 526	Dual channel oscilloscope with 150 MHz bandwidth and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 2 year parts and labour warranty.	\$ 1095.00
Dataman 574	Dual channel oscilloscope with 150 MHz bandwidth and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 2 year parts and labour warranty.	\$ 1095.00
Dataman 774	Dual channel isolated oscilloscope with 150 MHz bandwidth and USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 2 year parts and labour warranty.	\$ 1295.00

**Software upgrades for all our oscilloscopes are free of charge and can be downloaded from our website**

### Waveform Generators

<u>Part No</u>	<u>Description</u>	<u>Price</u>
Dataman 531	Single channel arbitrary waveform generator with USB 2.0 connectivity. Complete with Windows® driver software, moulded USB cable and a 2 year parts and labour warranty.	\$ 720.00

**Software upgrades for all our waveform generators are free of charge and can be downloaded from our website**

### Device Validators

<u>Part No</u>	<u>Description</u>	<u>Price</u>
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## Device Validators

<u>Part No</u>	<u>Description</u>	<u>Price</u>
Vali-File	PC based file Validator program with built-in encrypted database. Produces CRC-32 and SHA-1 signatures for any file format or size then searches against database for match.	\$ 495.00
Vali-Flash E 4.1	PC based Validator for CompactFlash® devices. End User version can identify, read and produce CRC-32 and SHA-1 signatures and search the database for a match.	\$ 1495.00
Vali-Flash M 4.1	PC based Validator for CompactFlash® devices. Manufacturer's version includes all the features of the E version and in addition, it can save the data read to an image file and program a duplicate copy of any device.	\$ 1995.00

## Erasers

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DataPro1	Battery powered UV EPROM eraser makes the perfect companion for portable programmers.	\$ 55.00
DataPro2T	Portable UV EPROM eraser that incorporates an adjustable timer pre-settable up to 24 minutes.	\$ 50.00
DataPro4	UV EPROM eraser featuring high power UV bulb capable of erasing up to 8 devices simultaneously.	\$ 110.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
BGA-Bottom-1	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	\$ 155.00
BGA-Bottom-10	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	\$ 155.00
BGA-Bottom-101	Bottom board of BGA adaptor for FPGA devices of Actel ProASIC3/E / ProASIC3L / IGL00/E families with balls in matrix 16x16	\$ 260.00
BGA-Bottom-103	Bottom board of BGA adaptor for FPGA devices of Actel Fusion family with balls in matrix 16x16	\$ 275.00
BGA-Bottom-105	Bottom board of BGA adaptor for Flash devices with balls in matrix 12x8	\$ 155.00
BGA-Bottom-106	Bottom board of BGA adaptor for Altera EPM240Z with balls in matrix 9x9-3x3	\$ 245.00
BGA-Bottom-108	Bottom board of BGA adaptor for ST STM32F101xx / STM32F103xx devices with balls in matrix 10x10	\$ 155.00
BGA-Bottom-11	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-111	Bottom board of BGA adaptor for Sandisk MD2534-d2G-X-P / HY23DF2GAM devices with balls in matrix 12x18	\$ 155.00
BGA-Bottom-115	Bottom board of BGA adaptor for Intel PF38F4060M0Y3CE with balls in matrix 12x9	\$ 180.00
BGA-Bottom-118	Bottom board of BGA adaptor for Atmel AT91SAM7SE512/256/32 devices in BGA144 with balls in matrix 12x12	\$ 210.00
BGA-Bottom-12	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	\$ 155.00
BGA-Bottom-125	Bottom board of BGA adaptor for Spansion S29GL512P11FFI10 devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-126	Bottom board of BGA adaptor for Intel 28F256J3 / Macronix MX29GA129Ex with balls in matrix 8x8	\$ 155.00
BGA-Bottom-127	Bottom board of BGA adaptor for Xilinx XC2Cxxx devices with balls in matrix 22x22-14x14+6x6	\$ 215.00
BGA-Bottom-13	Bottom board of BGA adaptor for Flash devices with balls in matrix 13x8	\$ 205.00
BGA-Bottom-131	Bottom board of BGA adaptor for Samsung MCP devices with balls in matrix 22x22	\$ 175.00
BGA-Bottom-14	Bottom board of BGA adaptor for flash devices with balls in matrix 8x6	\$ 155.00
BGA-Bottom-144	Bottom board of BGA adaptor for Intel PF38FxxxxM0Y0C with balls in matrix 16x16	\$ 180.00
BGA-Bottom-145	Bottom board of BGA adaptor for Intel PF38(48)FxxxxM0Y0C with balls in matrix 16x16	\$ 175.00
BGA-Bottom-146	Bottom board of BGA adaptor for Atmel AT91FR4042 / AT91FR40162S devices with balls in matrix 16x16	\$ 235.00
BGA-Bottom-148	Bottom board of BGA adaptor for Samsung K9F5608/16 / Micron MT29F2G16ABDHC-ET devices with balls in matrix 8x6	\$ 205.00
BGA-Bottom-149	Bottom board of BGA adaptor for Freescale MCF5216 devices with balls in matrix 16x16	\$ 235.00
BGA-Bottom-15	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	\$ 155.00
BGA-Bottom-150	Bottom board of BGA adaptor for Xilinx XC3S700AN with balls in matrix 22x22	\$ 215.00
BGA-Bottom-151	Bottom board of BGA adaptor for PLD Lattice ispMACH4000ZE with balls in matrix 8x8	\$ 175.00
BGA-Bottom-153	Bottom board of BGA adaptor for STM32F103xC/103xD/103xE with balls in matrix 12x12	\$ 150.00
BGA-Bottom-16	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	\$ 155.00
BGA-Bottom-164	Bottom board of BGA adaptor for Spansion S72NS-N Based MCPs devices with balls in matrix 14x14-8x8	\$ 155.00
BGA-Bottom-166	Bottom board of BGA adaptor for MCP NAND flash x8/x16 devices with balls in matrix 15x10	\$ 155.00
BGA-Bottom-169	Bottom board of BGA adaptor for Intel PF38FxxxxM0Y0B with balls in matrix 12x9	\$ 150.00
BGA-Bottom-170	Bottom board of BGA adaptor for Intel PF38FxxxxM0Y0B with balls in matrix 12x9	\$ 155.00
BGA-Bottom-171	Bottom board of BGA adaptor for ST M39P0R9070EO with balls in matrix 12x9	\$ 155.00
BGA-Bottom-187	Bottom board of BGA adaptor for MXIC MX25L1655D / MX25L12855E / AT45DB161D / M25PX64 with balls in matrix 8x6	\$ 155.00
BGA-Bottom-19	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-191	Bottom board of BGA adaptor for Intel PF38F5060M0Y3DF / PF38F5060M0Y3DF	\$ 155.00
BGA-Bottom-192	Bottom board of BGA adaptor for STM M58LT256GSTxZA / M58LT256GSBxZA with balls in matrix 8x8	\$ 155.00
BGA-Bottom-194	Bottom board of BGA adaptor for Samsung K5G5629ATB-SF75 with balls in matrix 14x14-8x8	\$ 155.00
BGA-Bottom-195	Bottom board of BGA adaptor for Atmel AT32UC3A3 in BGA144 with balls in matrix 12x12	\$ 155.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
BGA-Bottom-198	Bottom board of BGA adaptor for CPU STM32F10xxx in TFBGA64 with balls in matrix 8x8-5x5	\$ 175.00
BGA-Bottom-2	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-20	Bottom board of BGA adaptor for PLD devices Lattice LC4xxxZC / Xilinx XC2Cxxx / XCR3xxxXL with balls in matrix 10x10	\$ 280.00
BGA-Bottom-202	Bottom board of BGA adaptor for MCP devices with MuxOneNAND with balls in matrix 14x14	\$ 155.00
BGA-Bottom-204	Bottom board of BGA adaptor for LPC2468FET208 BGA208 with balls in matrix 17x17-9x9	\$ 280.00
BGA-Bottom-21	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-22	Bottom board of BGA adaptor for flash devices with balls in matrix 8x6	\$ 255.00
BGA-Bottom-24	Bottom board of BGA adaptor for Flash devices with balls in matrix 12x8	\$ 155.00
BGA-Bottom-24a	Bottom board of BGA adaptor for Flash devices with balls in matrix 12x8	\$ 155.00
BGA-Bottom-25	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	\$ 155.00
BGA-Bottom-28	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	\$ 225.00
BGA-Bottom-3	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-30	Bottom board of BGA adaptor for Flash devices with balls in matrix 10x8	\$ 160.00
BGA-Bottom-31	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-32	Bottom board of BGA adaptor for PLD devices with balls in matrix 16x16	\$ 255.00
BGA-Bottom-33	Bottom board of BGA adaptor for PLD Xilinx XC95xxx/XV/XL family with balls in matrix 7x7	\$ 155.00
BGA-Bottom-34	Bottom board of BGA adaptor for PLD devices Xilinx XCRxxxXL family with balls in matrix 7x7	\$ 155.00
BGA-Bottom-37	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x7	\$ 185.00
BGA-Bottom-38	Bottom board of BGA adaptor for PLD devices Altera EPM240/570 with balls in matrix 10x10	\$ 185.00
BGA-Bottom-4	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-41	Bottom board of BGA adaptor for Lattice LC4xxxV/B/C family with balls in matrix 16x16	\$ 155.00
BGA-Bottom-42	Bottom board of BGA adaptor for Altera EPM240/570 with balls in matrix 11x11	\$ 245.00
BGA-Bottom-43	Bottom board of BGA adaptor for PLD devices Altera EPM3xxxA / EPM7xxxA/B/AE family with balls in matrix 10x10 and 16x16	\$ 245.00
BGA-Bottom-45	Bottom board of BGA adaptor for Xilinx XC95xxxXL/XV with balls in matrix 16x16	\$ 255.00
BGA-Bottom-46	Bottom board of BGA adaptor for STM STR71xF family with balls in matrix 8x8	\$ 155.00
BGA-Bottom-47	Bottom board of BGA adaptor for PLD devices Xilinx XC2Cxxx family with balls in matrix 16x16	\$ 255.00
BGA-Bottom-48	Bottom board of BGA adaptor for Xilinx XC2Cxxx family with balls in matrix 14x14	\$ 200.00
BGA-Bottom-49	Bottom board of BGA adaptor for PLD devices Lattice LC4xxxZ with balls in matrix 14x14	\$ 155.00
BGA-Bottom-5	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	\$ 155.00
BGA-Bottom-52	Bottom board of BGA adaptor for Intel RD/LF38/48FxxxxW/L with balls in matrix 10x8	\$ 155.00
BGA-Bottom-53	Bottom board of BGA adaptor for Intel RD/LF38/48FxxxxW/L with balls in matrix 10x8	\$ 220.00
BGA-Bottom-55	Bottom board of BGA adaptor for STR710 with balls in matrix 12x12	\$ 155.00
BGA-Bottom-57	Bottom board of BGA adaptor for Atmel AT89C51SND2C with balls in matrix 10x10	\$ 280.00
BGA-Bottom-6	Bottom board of BGA adaptor for flash devices with balls in matrix 11x6	\$ 285.00
BGA-Bottom-60	Bottom board of BGA adaptor for Samsung K5E5658 with balls in matrix 13x8	\$ 155.00
BGA-Bottom-61	Bottom board of BGA adaptor for SSTLF/VF512/010/020/040 with balls in matrix 9x6	\$ 200.00
BGA-Bottom-62	Bottom board of BGA adaptor for PLD device Lattice LCMOXxxx with balls in matrix 16x16	\$ 200.00
BGA-Bottom-63	Bottom board of BGA adaptor for PLD device Lattice LFXPxxx with balls in matrix 16x16	\$ 155.00
BGA-Bottom-64	Bottom board of BGA adaptor for STM STR751FR0H6 with balls in matrix 8x8	\$ 155.00
BGA-Bottom-7	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x6	\$ 155.00
BGA-Bottom-73	Bottom board of BGA adaptor for Renesas DF2116VBG20MSJV with balls in matrix 15x15	\$ 245.00
BGA-Bottom-74	Bottom board of BGA adaptor for Intel RD/PF48F4400P0 with balls in matrix 10x8	\$ 155.00
BGA-Bottom-75	Bottom board of BGA adaptor for Spansion S98WS256NE0FW001 with balls in matrix 17x12	\$ 155.00
BGA-Bottom-76	Bottom board of BGA adaptor for Samsung One NAND with balls in matrix 8x6	\$ 185.00
BGA-Bottom-79	Bottom board of BGA adaptor for PLD Xilinx Spartan-3AN with balls in matrix 16x16	\$ 200.00
BGA-Bottom-8	Bottom board of BGA adaptor for Flash devices with balls in matrix 8x8	\$ 155.00
BGA-Bottom-80	Bottom board of BGA adaptor for Xilinx XC95xxxXL/XV with balls in matrix 13x13	\$ 260.00
BGA-Bottom-83	Bottom board of BGA adaptor for EPC16 devices with balls in matrix 12x8	\$ 155.00
BGA-Bottom-85	Bottom board of BGA adaptor for PF38F3040LOYUQ3 with balls in matrix 10x8	\$ 155.00
BGA-Bottom-86	Bottom board of BGA adaptor for TMS320F2812 with balls in matrix 14x14	\$ 200.00
BGA-Bottom-87	Bottom board of BGA adaptor for Atmel AT24C512 with balls in matrix 4x2	\$ 155.00
BGA-Bottom-88	Bottom board of BGA adaptor for ST M58LW032D with balls in matrix 8x8	\$ 155.00
BGA-Bottom-9	Bottom board of BGA adaptor for Flash devices with balls in matrix 14x14	\$ 155.00
BGA-Bottom-90	Bottom board of BGA adaptor for Intel GE28F256L18 devices with balls in matrix 9x7	\$ 155.00
BGA-Bottom-91	Bottom board of BGA adaptor for NAND flash MCP devices with balls in matrix 13x13	\$ 155.00
BGA-Bottom-94	Bottom board of BGA adaptor for S71WS256PC0HF3TL with balls in matrix 10x8	\$ 155.00
BGA-Bottom-96	Bottom board of BGA adaptor for Altera EPM2210 PLD with balls in matrix 18x18	\$ 270.00
BGA-Top-1 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-10 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-103 ZIF-CS	Top board of BGA adaptor for ZIF BGA100	\$ 695.00
BGA-Top-106 ZIF-CS	Top board of BGA adaptor for ZIF BGA121	\$ 695.00
BGA-Top-107 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 595.00
BGA-Top-11 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-110 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 595.00
BGA-Top-112 ZIF-CS	Top board of BGA adaptor for ZIF BGA63	\$ 495.00
BGA-Top-115 ZIF	Top board of BGA adaptor for ZIF BGA169	\$ 625.00
BGA-Top-118 ZIF-CS	Top board of BGA adaptor for ZIF BGA130	\$ 595.00
BGA-Top-121 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-122 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-127 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 450.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
BGA-Top-129 ZIF-CS	Top board of BGA adaptor for ZIF BGA63	Call Us
BGA-Top-13 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-130 ZIF-CS	Top board of BGA adaptor for ZIF BGA80	\$ 495.00
BGA-Top-132 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-134 ZIF	Top board of BGA adaptor for ZIF BGA179	\$ 495.00
BGA-Top-135 ZIF	Top board of BGA adaptor for ZIF BGA88	\$ 595.00
BGA-Top-137 ZIF-CS	Top board of BGA adaptor for ZIF BGA8	\$ 650.00
BGA-Top-14 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-140 ZIF-CS	Top board of BGA adaptor for ZIF BGA79	\$ 495.00
BGA-Top-146 ZIF	Top board of BGA adaptor for ZIF BGA115	\$ 495.00
BGA-Top-147 ZIF-CS	Top board of BGA adaptor for ZIF BGA149	Call Us
BGA-Top-148 ZIF	Top board of BGA adaptor for ZIF BGA324	\$ 695.00
BGA-Top-15 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-152 ZIF-CS	Top board of BGA adaptor for ZIF BGA107	\$ 595.00
BGA-Top-16 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-162 ZIF-CS	Top board of BGA adaptor for ZIF BGA76	\$ 595.00
BGA-Top-175 ZIF	Top board of BGA adaptor for ZIF BGA107	\$ 510.00
BGA-Top-18 ZIF	Top board of BGA adaptor for ZIF BGA48	Call Us
BGA-Top-182 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 695.00
BGA-Top-185 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 595.00
BGA-Top-191 ZIF-CS	Top board of BGA adaptor for ZIF BGA133	Call Us
BGA-Top-196 ZIF-CS	Top board of BGA adaptor for ZIF BGA96	\$ 595.00
BGA-Top-207 ZIF	Top board of BGA adaptor for ZIF BGA56	\$ 650.00
BGA-Top-208 ZIF	Top board of BGA adaptor for ZIF BGA256	\$ 595.00
BGA-Top-21 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-213 ZIF	Top board of BGA adaptor for ZIF BGA208	\$ 695.00
BGA-Top-214 ZIF-CS	Top board of BGA adaptor for ZIF BGA24	\$ 660.00
BGA-Top-218 ZIF	Top board of BGA adaptor for ZIF BGA144	\$ 620.00
BGA-Top-225 ZIF	Top board of BGA adaptor for ZIF BGA80	\$ 560.00
BGA-Top-227 ZIF-CS	Top board of BGA adaptor for ZIF BGA25	\$ 660.00
BGA-Top-23 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-239 ZIF	Top board of BGA adaptor for ZIF BGA144	\$ 695.00
BGA-Top-240 ZIF	Top board of BGA adaptor for ZIF BGA144	\$ 695.00
BGA-Top-25 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-26 ZIF	Top board of BGA adaptor for ZIF BGA88	\$ 495.00
BGA-Top-27 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-28 ZIF-CS	Top board of BGA adaptor for ZIF BGA56	\$ 495.00
BGA-Top-29 ZIF	Top board of BGA adaptor for ZIF BGA80	\$ 495.00
BGA-Top-3 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-30 ZIF-CS	Top board of BGA adaptor for ZIF BGA66	\$ 595.00
BGA-Top-31 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-32 ZIF-CS	Top board of BGA adaptor for ZIF BGA19	\$ 495.00
BGA-Top-34 ZIF-CS	Top board of BGA adaptor for ZIF BGA66	\$ 495.00
BGA-Top-36 ZIF-CS	Top board of BGA adaptor for ZIF BGA66	\$ 545.00
BGA-Top-4 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-41 ZIF-CS	Top board of BGA adaptor for ZIF BGA40	\$ 495.00
BGA-Top-43 ZIF-CS	Top board of BGA adaptor for ZIF BGA100	\$ 495.00
BGA-Top-44 ZIF	Top board of BGA adaptor for ZIF BGA256	\$ 495.00
BGA-Top-45 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-46 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-48 ZIF	Top board of BGA adaptor for ZIF BGA80	\$ 495.00
BGA-Top-5 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-51 ZIF-CS	Top board of BGA adaptor for ZIF BGA96	\$ 495.00
BGA-Top-51a ZIF-CS	Top board of BGA adaptor for ZIF BGA107	\$ 695.00
BGA-Top-54 ZIF	Top board of BGA adaptor for ZIF BGA96	\$ 495.00
BGA-Top-56 ZIF-CS	Top board of BGA adaptor for ZIF BGA49	\$ 695.00
BGA-Top-57 ZIF	Top board of BGA adaptor for ZIF BGA56	\$ 495.00
BGA-Top-58 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-61 ZIF-CS	Top board of BGA adaptor for ZIF BGA56	\$ 595.00
BGA-Top-62 ZIF-CS	Top board of BGA adaptor for ZIF BGA60	\$ 595.00
BGA-Top-65 ZIF	Top board of BGA adaptor for ZIF BGA108	\$ 400.00
BGA-Top-66 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 695.00
BGA-Top-67 ZIF	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-69 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-7 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-71 ZIF	Top board of BGA adaptor for ZIF BGA100	\$ 495.00
BGA-Top-77 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 495.00
BGA-Top-78 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-79 ZIF-CS	Top board of BGA adaptor for ZIF BGA48	\$ 495.00
BGA-Top-84 ZIF	Top board of BGA adaptor for ZIF BGA64	\$ 595.00
BGA-Top-87 ZIF-CS	Top board of BGA adaptor for ZIF BGA132	\$ 595.00
BGA-Top-89 ZIF	Top board of BGA adaptor for ZIF BGA144	\$ 495.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
BGA-Top-92 ZIF	Top board of BGA adaptor for ZIF BGA176	\$ 495.00
BGA-Top-94 ZIF	Top board of BGA adaptor for ZIF BGA100	\$ 495.00
BGA-Top-95 ZIF-CS	Top board of BGA adaptor for ZIF BGA52	\$ 495.00
BGA-Top-96 ZIF-CS	Top board of BGA adaptor for ZIF BGA204	\$ 695.00
Bottom PSOP44 NOR-1	Bottom board of PSOP44 adaptor for Flash devices with pinout NOR-1	\$ 25.00
Bottom PSOP44 NOR-2	Bottom board of PSOP44 adaptor for Flash devices with pinout NOR-2	\$ 25.00
Bottom PSOP44 NOR-3	Bottom board of PSOP44 adaptor for Flash devices with pinout NOR-3	\$ 25.00
Bottom TSOP32 NOR-1	Bottom board of TSOP32 adaptor for Flash devices with pinout NOR-1	\$ 25.00
Bottom TSOP32 NOR-2	Bottom board of TSOP32 adaptor for Flash devices with pinout NOR-2	\$ 25.00
Bottom TSOP40 NOR-1	Bottom board of TSOP40 adaptor for Flash devices with pinout NOR-1	\$ 25.00
Bottom TSOP40 NOR-2	Bottom board of TSOP40 adaptor for Flash devices with pinout NOR-2	\$ 25.00
Bottom TSOP40 NOR-3	Bottom board of TSOP40 adaptor for Flash devices with pinout NOR-3	\$ 25.00
Bottom TSOP40 NOR-4	Bottom board of TSOP40 adaptor for Flash devices with pinout NOR-4	\$ 25.00
Bottom TSOP40 NOR-5	Bottom board of TSOP40 adaptor for Flash devices with pinout NOR-5	\$ 25.00
Bottom TSOP40 NOR-6	Bottom board of TSOP40 adaptor for Flash devices with pinout NOR-6	\$ 25.00
Bottom TSOP48 NOR-1	Bottom board of TSOP48 adaptor for Flash devices with pinout NOR-1	\$ 25.00
Bottom TSOP48 NOR-2	Bottom board of TSOP48 adaptor for Flash devices with pinout NOR-2	\$ 25.00
Bottom TSOP48 NOR-3	Bottom board of TSOP48 adaptor for Flash devices with pinout NOR-3	\$ 25.00
Bottom TSOP48 NOR-4	Bottom board of TSOP48 adaptor for Flash devices with pinout NOR-4	\$ 25.00
Bottom TSOP48 NOR-5	Bottom board of TSOP48 adaptor for Flash devices with pinout NOR-5	\$ 25.00
Bottom TSOP48 NOR-6	Bottom board of TSOP48 adaptor for Flash devices with pinout NOR-6	\$ 25.00
Bottom TSOP56 NOR-1	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-1	\$ 25.00
Bottom TSOP56 NOR-10	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-10	\$ 25.00
Bottom TSOP56 NOR-11	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-11	\$ 25.00
Bottom TSOP56 NOR-12	Bottom board of TSOP56 adaptor for JS28F00AP30 / JS28F00AP33 in TSOP56	\$ 25.00
Bottom TSOP56 NOR-2	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-2	\$ 25.00
Bottom TSOP56 NOR-3	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-3	\$ 25.00
Bottom TSOP56 NOR-4	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-4	\$ 25.00
Bottom TSOP56 NOR-5	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-5	\$ 25.00
Bottom TSOP56 NOR-6	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-6	\$ 25.00
Bottom TSOP56 NOR-7	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-7	\$ 25.00
Bottom TSOP56 NOR-8	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-8	\$ 25.00
Bottom TSOP56 NOR-9	Bottom board of TSOP56 adaptor for Flash devices with pinout NOR-9	\$ 25.00
DIL12/QFN11-1 ZIF-CS	Universal adaptor for devices in QFN11 / MLP11	\$ 355.00
DIL14/DIL14 ZIF AddCap	Device specific 1:1 wired DIL/DIL adaptor allowing additional bypass capacitors for programming DIL devices to be added	\$ 50.00
DIL14/SOIC14 ZIF 150mil	Universal adaptor for SOIC devices up to 14-pins	\$ 125.00
DIL14W/SOIC14 ZIF 150mil	Universal adaptor for SOIC devices up to 14-pins	\$ 119.00
DIL14W/TSSOP14 ZIF 170mil	Universal adaptor for TSSOP devices up to 14-pins	\$ 219.00
DIL16/QFN16-1 ZIF-CS	Universal adaptor for devices in QFN16 / MLP16 / MLF16	\$ 485.00
DIL16/QFN16-2 ZIF-CS	Universal adaptor for devices in QFN16	\$ 365.00
DIL16/QFN16-3 ZIF-CS	Universal adaptor for devices in QFN16	\$ 389.00
DIL16/SOIC16-1 ZIF 170mil	Universal adaptor for SOIC devices up to 16-pins	\$ 265.00
DIL16W/SOIC16 ZIF 150mil	Universal adaptor for SOIC devices up to 16-pins	\$ 119.00
DIL16W/SOIC16 ZIF 300mil	Universal adaptor for SOIC devices up to 16-pins	\$ 119.00
DIL16W/SOIC16 ZIF 300mil SFlash-1	Device specific adaptor for SFlash-1 SOIC16 devices up to 16-pins	\$ 115.00
DIL16W/TSSOP16 ZIF 170mil	Universal adaptor for TSSOP devices up to 16-pins	\$ 219.00
DIL18W/SOIC18 ZIF 300mil	Universal adaptor for 300mil SOIC devices up to 18-pins	\$ 119.00
DIL20/PLCC20 ZIF	Universal adaptor for devices in PLCC20	\$ 155.00
DIL20/PLCC20 ZIF-CS	Universal adaptor for devices in PLCC20	\$ 219.00
DIL20/QFN20-1 ZIF-CS	Universal adaptor for devices in QFN20 / MLP20	\$ 339.00
DIL20/SOIC20 ZIF 200mil	Universal adaptor for SOIC devices up to 20-pins	\$ 195.00
DIL20/SOIC20 ZIF 300mil	Universal adaptor for SOIC devices up to 20-pins	\$ 119.00
DIL20W/PLCC20 ZIF	Universal adaptor for devices in PLCC20	\$ 155.00
DIL20W/SOIC20 ZIF 300mil	Universal adaptor for SOIC devices up to 20-pins	\$ 119.00
DIL20W/SSOP20 ZIF 200mil	Universal adaptor for SSOP devices up to 20-pins	\$ 155.00
DIL20W/TSSOP20 ZIF 170mil	Universal adaptor for TSSOP devices up to 20-pins	\$ 219.00
DIL24/PLCC28 ZIF PLD-1	Device specific adaptor for PAL / GAL in PLCC28	\$ 155.00
DIL24/QFN24-1 ZIF-CS	Universal adaptor for devices in QFN24	\$ 355.00
DIL24/QSOP24 ZIF 150mil	Universal adaptor for QSOP devices up to 24-pins	\$ 329.00
DIL24W/SOIC24 ZIF 300mil	Universal adaptor for 300mil SOIC devices up to 20-pins	\$ 119.00
DIL24W/TSSOP24 ZIF 170mil	Universal adaptor for TSSOP devices up to 24-pins	\$ 219.00
DIL28/MLF28-1 ZIF-CS	Universal adaptor for QFN28 devices up to 28-pins	\$ 395.00
DIL28/PLCC28 ZIF	Universal adaptor for devices in PLCC28	\$ 155.00
DIL28/PLCC28 ZIF-CS	Universal adaptor for devices in PLCC28	\$ 219.00
DIL28/PLCC84 ZIF H8-1	Device specific adaptor for Renesas HD6473308CP10 in PLCC84	\$ 299.00
DIL28/PLCC84 ZIF HS538ESC01H	Device specific adaptor for Renesas HD6475348RCP / HD6475348SCP in PLCC84	\$ 339.00
DIL28/QFN28-1 ZIF-CS	Universal adaptor for devices in QFN28 / MLP28	\$ 469.00
DIL28/QFN28-1 ZIF-CS (id)	Universal adaptor for devices in QFN28 / MLP28	\$ 340.00
DIL28/QFN28-2 ZIF-CS	Universal adaptor for devices in QFN28 / MLP28	\$ 329.00
DIL28/QFP32 ZIF AVR-1	Device specific adaptor for ATmega48 / Atmega8 in QFP32	\$ 265.00
DIL28/QFP52 ZIF-CS SX52	Device specific adaptor for Ubicom SX52BD in PQFP52	\$ 425.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL28/QFP64 ZIF H8/3644	Device specific adaptor for Renesas HD6473644 in QFP64	\$ 399.00
DIL28/SOIC28 ZIF 300mil	Universal adaptor for SOIC devices up to 28-pins	\$ 119.00
DIL28/SOIC28 ZIF 330mil	Universal adaptor for SOIC devices up to 28-pins	\$ 229.00
DIL28/TSOP28 ZIF 11.8mm	Universal adaptor for TSOP devices up to 28-pins	\$ 155.00
DIL28/TSOP28 ZIF 11.8mm SFlash-1	Device specific adaptor for SFlash-1 TSOP devices with 28-pins	\$ 150.00
DIL28/TSSOP28 ZIF 170mil	Universal adaptor for TSSOP devices up to 28-pins	\$ 229.00
DIL28W/SOIC28 ZIF 300mil	Universal adaptor for 300mil SOIC devices up to 28-pins	\$ 119.00
DIL28W/SSOP28 ZIF 200mil	Universal adaptor for SSOP devices up to 28-pins	\$ 155.00
DIL3/SOT23-3 ZIF-CS	Universal adaptor for devices in SOT23-3	\$ 330.00
DIL30/SSOP30 ZIF-CS 220mil	Universal adaptor for SSOP devices up to 30-pins	\$ 289.00
DIL32/MLF32-1 ZIF-CS	Universal adaptor for devices in MLF32	\$ 355.00
DIL32/PLCC32 ZIF	Universal adaptor for devices in PLCC32	\$ 119.00
DIL32/PLCC32 ZIF-CS	Universal adaptor for devices in PLCC32	\$ 149.00
DIL32/PLCC32 ZIF-CS NOR-1	Universal adaptor for NOR Flash devices in PLCC32	\$ 135.00
DIL32/PLCC84 ZIF HS3334ESCF1H	Device specific adaptor for Renesas HD64F3334YCF16 / HD64F3337YCP16 in PLCC84	\$ 299.00
DIL32/QFN32-1 ZIF-CS	Universal adaptor for devices in QFN32	\$ 395.00
DIL32/QFN32-1 ZIF-CSa	Universal adaptor for devices in QFN32	\$ 415.00
DIL32/QFP100 ZIF-CS HS3836ESF01H	Device specific adaptor for Renesas HD6473837F / HD6473837E / HD6473837UF in PQFP100	\$ 620.00
DIL32/QFP64 ZIF H8-1	Device specific adaptor for Renesas HD64F3644 / HD64F3643 / HD64F3642A in QFP64	\$ 399.00
DIL32/QFP80 ZIF HS3334ESHF1H	Device specific adaptor for Hitachi HD64F3334YF16 / HD64F3337YF16 in QFP80	\$ 399.00
DIL32/SDIP32 ZIF 400mil	Universal adaptor for devices in SDIP32	\$ 299.00
DIL32/SDIP64 ZIF H8-1	Device specific adaptor for Renesas HD64F3644P in SDIP64	\$ 349.00
DIL32/SDIP64 ZIF NEC78K-1	Device specific adaptor for NEC uPD78P014 / uPD78P018 in SDIP64	\$ 399.00
DIL32/SDIP64-1 ZIF Toshiba-BM1136	Device specific adaptor for Toshiba TMP87PH40A / TMP87PM40A / TMP87PM41 microcontrollers	\$ 299.00
DIL32/SOIC32 ZIF 300mil	Universal adaptor for SOIC devices with 32-pins	\$ 235.00
DIL32/SOIC32 ZIF 445mil	Universal adaptor for devices in SOIC32	\$ 325.00
DIL32/TQFP100 ZIF HS3434ESNF1H	Device specific adaptor for Renesas HD64F3437F16 / HD64F3437TF16 / HD64F3434F16 / HD64F3434TF16 in TQFP100	\$ 469.00
DIL32/TQFP32-1 ZIF	Universal adaptor for devices in TQFP32	\$ 235.00
DIL32/TQFP32-1 ZIF R5F-1	Device specific adaptor for devices Renesas R5F21103FP in TQFP32	\$ 230.00
DIL32/TSOP32 ZIF 11.8mm	Universal adaptor for devices in TSOP32	\$ 399.00
DIL32/TSOP32 ZIF 12.4mm Flash	Device specific adaptor for Flash EPROMs in TSOP32	\$ 235.00
DIL32/TSOP32 ZIF 18.4mm	Universal adaptor for TSOP devices with 32-pins	\$ 299.00
DIL32/TSOP32 ZIF 18.4mm Flash	Device specific adaptor for Flash EPROMs in TSOP32	\$ 235.00
DIL32/TSOP32 ZIF-CS 14mm	Universal adaptor for I 32-pin 600mil devices	\$ 250.00
DIL32W/SSOP32 ZIF 200mil	Universal adaptor for SSOP32 200mil devices	\$ 215.00
DIL33/MLF32-1 ZIF-CS-2	Universal adaptor for devices in MLF32	\$ 340.00
DIL34/SSOP34-1 ZIF-CS	Universal adaptor for devices in SSOP34	\$ 299.00
DIL34W/SSOP34 ZIF 200mil	Universal adaptor for SSOP devices up to 34-pins	\$ 155.00
DIL36/SSOP36 ZIF-CS 330mil	Universal adaptor for SSOP devices with 36-pins	\$ 475.00
DIL37/QFN36-1 ZIF-CS	Universal adaptor for devices in QFN36	\$ 425.00
DIL38/SSOP38 ZIF 170mil	Universal adaptor for SSOP devices up to 38-pins	\$ 329.00
DIL38/SSOP38 ZIF PMA7-1	Device specific adaptor for PMA7110 / PMA7107 / PMA7106 / PMA7105 / PMA5110 / PMA5105 in SSOP38	\$ 485.00
DIL40/MLF64 ZIF-CS AVR-1	Device specific adaptor for Atmel AVR family in MLF64	\$ 329.00
DIL40/MQFP52 ZIF ADuC812	Device specific adaptor for Analog Devices ADuC812 in MQFP52	\$ 329.00
DIL40/PLCC28 ZIF AWM-1	Device specific adaptor for Atmel AT89C5115 / T89C51CC02 in PLCC28	\$ 155.00
DIL40/PLCC44 ZIF AWM-1	Device specific adaptor for Atmel T89C51AC2 / T89C51CC01 in PLCC44	\$ 175.00
DIL40/PLCC44 ZIF PIC-1	Device specific adaptor for PICmicro in the PLCC44	\$ 185.00
DIL40/PLCC44 ZIF W-EPROM/MCS51	Device specific adaptor for microcontrollers '51 family and 16-bit EPROMs	\$ 155.00
DIL40/PLCC52 ZIF AWM-1	Device specific adaptor for Temic T89C5131 in PLCC52	\$ 245.00
DIL40/PLCC52 ZIF AWM-2	Device specific adaptor for Atmel AT89C51CC03 in PLCC52	\$ 339.00
DIL40/PLCC52 ZIF DS87C530	Device specific adaptor for DALLAS DS87C530 in PLCC52	\$ 185.00
DIL40/PLCC52 ZIF MCS51-2	Device specific adaptor for Atmel T87C5112 in PLCC52	\$ 265.00
DIL40/PLCC68 ZIF AWM-1	Device specific adaptor for Atmel T89C51RD2 in PLCC68	\$ 255.00
DIL40/PLCC68 ZIF DS87C550	Device specific adaptor for DALLAS DS87C550 in PLCC68	\$ 219.00
DIL40/PLCC68 ZIF PIC-1	Device specific adaptor for PICmicro in PLCC68	\$ 219.00
DIL40/PLCC68 ZIF PIC-2	Device specific adaptor for PICmicro in PLCC68	\$ 265.00
DIL40/PLCC68 ZIF W-1	Device specific adaptor for Winbond W79Ex48 family in PLCC68	\$ 339.00
DIL40/PLCC84 ZIF PIC-1	Device specific adaptor for PICmicro in PLCC84	\$ 289.00
DIL40/PQFP80 ZIF M37702	Device specific adaptor for Renesas M37702E4LGP in PQFP80	\$ 495.00
DIL40/QFN40-1 ZIF-CS	Universal adaptor for devices in QFN40	\$ 395.00
DIL40/QFN64 ZIF-CS LPC-1	Device specific adaptor for Philips LPC21x4 / LPC21x9 in QFN64	\$ 485.00
DIL40/QFP100 ZIF AVR-1	Device specific adaptor for Atmel AVR family in QFP100	\$ 469.00
DIL40/QFP128 ZIF W83L951	Device specific adaptor for Winbond W83L951D in QFP128	\$ 685.00
DIL40/QFP144 ZIF H8S-1	Device specific adaptor for Renesas HD64F25x2 / HD64F25x6 in QFP144	\$ 469.00
DIL40/QFP144 ZIF LPC-1	Device specific adaptor for Philips LPC22xx family in QFP144	\$ 469.00
DIL40/QFP64 ZIF GC-1	Device specific adaptor for Gencore GC89C591A0 in TQFP64	\$ 545.00
DIL40/QFP64 ZIF LPC-1	Device specific adaptor for Philips LPC21xx family in QFP64	\$ 329.00
DIL40/QFP64-1 ZIF-CS NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in QFP64	\$ 365.00
DIL40/QFP64-2 ZIF-CS NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in QFP64	\$ 365.00
DIL40/QFP64-3 ZIF NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in LQFP64	\$ 399.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL40/QFP64-4 ZIF NEC-1	Device specific adaptor for NEC 78K/0 and 78K/0S Flash MCU family in LQFP64	\$ 399.00
DIL40/QFP80 ZIF M37702	Device specific adaptor for Mitsubishi / Renesas M37702 in QFP80	\$ 495.00
DIL40/QFP80 ZIF W83L950	Device specific adaptor for Winbond W83L950 in QFP80	\$ 469.00
DIL40/SDIP52 ZIF 55x	Device specific adaptor for Micronas SDA55xx in SDIP52	\$ 419.00
DIL40/SDIP64 ZIF GC-1	Device specific adaptor for Gencore GC89C591A0 in SDIP64	\$ 365.00
DIL40/SOIC20 ZIF AWM-1	Device specific adaptor for Atmel AT89C5114 in SOIC20	\$ 175.00
DIL40/SOIC28 ZIF AWM-1	Device specific adaptor for Atmel AT89C5115 / T89C51CC02 in SOIC28	\$ 175.00
DIL40/TQFP100-1 ZIF PIC-1	Device specific adaptor for PICmicro dsPIC33F / PIC24H / PIC24F in TQFP100 (12x12)	\$ 595.00
DIL40/TQFP100-2 ZIF PIC-1	Device specific adaptor for PICmicro dsPIC33F / PIC24H / PIC24F in TQFP100	\$ 395.00
DIL40/TQFP100-2 ZIF PIC-1A	Device specific adaptor for PICmicro dsPIC33F / PIC24H / PIC24F in TQFP100	\$ 395.00
DIL40/TQFP44 ZIF AWM-1	Device specific adaptor for Atmel T89C51AC2 / T89C51CC01 in TQFP44	\$ 319.00
DIL40/TQFP44 ZIF EM652X	Device specific adaptor for EM652x in TQFP44	\$ 315.00
DIL40/TQFP44 ZIF PIC-1	Device specific adaptor for PICmicro in TQFP44	\$ 219.00
DIL40/TQFP44-1 ZIF MCS51	Device specific adaptor for Atmel MCS51 family / AT90S/LS8515 / AT90S/LS4414 in TQFP44	\$ 319.00
DIL40/TQFP52 ZIF EM652X	Device specific adaptor for EM652x in TQFP52	\$ 399.00
DIL40/TQFP64 ZIF AVRmega-2	Device specific adaptor for Atmel AVR-Mega series in TQFP64	\$ 555.00
DIL40/TQFP64 ZIF CC-1	Device specific adaptor for Chipcon CC1010 in TQFP64	\$ 399.00
DIL40/TQFP64 ZIF EM652X	Device specific adaptor for EM652x in TQFP64	\$ 399.00
DIL40/TQFP64 ZIF PIC-1A	Device specific adaptor for PICmicro in TQFP64	\$ 345.00
DIL40/TQFP64 ZIF PIC-2	Device specific adaptor for PICmicro in TQFP64	\$ 365.00
DIL40/TQFP64 ZIF PIC-3	Device specific adaptor for PIC32 in TQFP64	\$ 485.00
DIL40/TQFP80 ZIF PIC-2	Device specific adaptor for PICmicro PIC18FxxJxx / dsPIC33F / PIC24F/H in TQFP80	\$ 365.00
DIL40/TQFP80-1 ZIF AWM-1	Device specific adaptor for Temic T89C51SND1 in TQFP80	\$ 399.00
DIL40/TQFP80-1 ZIF PIC-1A	Device specific adaptor for PICmicro in TQFP80	\$ 399.00
DIL40/TQFP80-2 ZIF PIC-2	Device specific adaptor for PICmicro in TQFP80	\$ 355.00
DIL40/TSOP40 ZIF 18.4mm	Universal adaptor for TSOP devices with 40-pins	\$ 299.00
DIL40/TSOP40 ZIF 18.4mm 3D +	Device specific adaptor for 'cube' devices from 3D plus company in TSOP	\$ 290.00
DIL40/TSOP40 ZIF 18.4mm Flash-1	Device specific adaptor for EPROM / Flash in TSOP40	\$ 319.00
DIL40/TSOP40 ZIF-CS 12.4mm	Universal adaptor for TSOP devices up to 40-pins	\$ 299.00
DIL40/VQFP64 ZIF AWM-1	Device specific adaptor for Atmel T89C51RD2 in VQFP64	\$ 345.00
DIL40/VQFP64 ZIF AWM-2	Device specific adaptor for Atmel AT89C51CC03 in VQFP64	\$ 395.00
DIL40/VQFP64 ZIF AWM-3	Device specific adaptor for Atmel T89C5122 in QFP64	\$ 465.00
DIL40/VQFP64 ZIF AWM-4	Device specific adaptor for Atmel AT89C5130/89C5131 in QFP64	\$ 465.00
DIL42/SDIP42 ZIF 600mil	Universal adaptor for devices in SDIP42	\$ 409.00
DIL42/SSOP42 ZIF 330mil	Universal adaptor for devices in SSOP42	\$ 369.00
DIL44/MLF44-1 ZIF-CS	Universal adaptor for devices in MLF44	\$ 399.00
DIL44/PLCC44 ZIF	Universal adaptor for devices in PLCC44	\$ 119.00
DIL44/PLCC44 ZIF PLD-1	Device specific adaptor for obsolete PLD in PLCC44	\$ 469.00
DIL44/PLCC44 ZIF-CS	Universal adaptor for devices in PLCC44	\$ 185.00
DIL44/PSOP44 ZIF 600mil	Universal adaptor for PSOP devices up to 44-pins	\$ 155.00
DIL44/QFN44-2 ZIF-CS	Universal adaptor for devices in QFN 44	\$ 329.00
DIL44/QFP44-4 ZIF-CS	Universal adaptor for devices in TQFP44	\$ 285.00
DIL44/SOIC44 ZIF-CS	Universal adaptor for SOIC and PSOP devices up to 44-pins	\$ 549.00
DIL44/SSOP44 ZIF 240mil	Universal adaptor for SSOP devices up to 44-pins	\$ 299.00
DIL44/TQFP44-1 ZIF	Universal adaptor for devices in TQFP44	\$ 219.00
DIL44/TQFP44-1 ZIF-CS	Universal adaptor for devices in TQFP44	\$ 269.00
DIL44/TQFP44-2 ZIF	Universal adaptor for devices in TQFP44	\$ 240.00
DIL44/TQFP44-3 ZIF	Universal adaptor for devices in TQFP44	\$ 235.00
DIL44/TSOP44-II ZIF 400mil	Universal adaptor for TSOP-II devices up to 44-pins	\$ 455.00
DIL48/DIL28 ZIF LPC-1	Device specific adaptor for NXP LPC1112BN28 in DIP28	\$ 250.00
DIL48/LQFP100 ZIF LM3S-1	Device specific adaptor for Luminary Micro in LQFP100	\$ 485.00
DIL48/LQFP100 ZIF MB95-1	Device specific adaptor for Fujitsu MB95F128NB in LQFP100	\$ 455.00
DIL48/LQFP128 ZIF AX-1	Device specific adaptor for Asix AX11015 in LQFP128	\$ 450.00
DIL48/LQFP144 ZIF AVR32-1	Device specific adaptor for Atmel AVR32 family in LQFP144	\$ 399.00
DIL48/LQFP48 ZIF ISD151	Universal adaptor for I15102FYIR devices in LQFP48	\$ 485.00
DIL48/LQFP52 ZIF R5F-1	Device specific adaptor for devices Renesas R5F21356AN-FP in QFP52	\$ 350.00
DIL48/LQFP64 ZIF HD64-2	Device specific adaptor for HD64F36074 in LQFP64	\$ 485.00
DIL48/LQFP64 ZIF HD64-3	Device specific adaptor for H8-300H Tiny-1 family in LQFP64	\$ 485.00
DIL48/LQFP64 ZIF M16C/Tiny	Device specific adaptor for Renesas M16C/26A / M16C/28 / M16C/29 family in LQFP64	\$ 469.00
DIL48/LQFP64 ZIF M38039/M39049	Device specific adaptor for Renesas M38039FFHKP / M38049FFHHP in LQFP64	\$ 469.00
DIL48/LQFP64 ZIF W83-1	Device specific adaptor for Winbond / Nuvoton W83960G in LQFP64	\$ 465.00
DIL48/LQFP64 ZIF-CS MB90F-2	Device specific adaptor for Fujitsu MB90F462 in LQFP64	\$ 395.00
DIL48/LQFP64 ZIF-CS R5F-1	Device specific adaptor for Renesas R5F212B8SNFA in LQFP64	\$ 419.00
DIL48/LQFP64-1 ZIF R5F-1	Device specific adaptor for Renesas R5F212 in QFP64	\$ 495.00
DIL48/LQFP64-2 ZIF M38039/M39049	Device specific adaptor for M38039FFHHP / M38049FFHHP in LQFP64	\$ 425.00
DIL48/LQFP80 ZIF R5F-1	Device specific adaptor for R5F212CASNFP in LQFP80	\$ 399.00
DIL48/LQFP80 ZIF-CS MLC-1	Device specific adaptor for MCS Logic MLC1081 / MLC1082 in LQFP80	\$ 395.00
DIL48/LQFP80-1 ZIF NEC-1	Device specific adaptor for uPD78F0828B in QFP80	\$ 485.00
DIL48/LQFP80-1 ZIF-CS NEC-1	Device specific adaptor for uPD78F0828B in QFP80	\$ 555.00
DIL48/LQFP80-2 ZIF NEC-1	Device specific adaptor for 78F0892GK / 78F0547GK in LQFP80	\$ 465.00
DIL48/MLF56 ZIF-CS CY-1	Device specific adaptor for Cypress CY8C24794 / CY8C24894 in MLF56	\$ 329.00
DIL48/MLF56 ZIF-CS CY-2	Device specific adaptor for CY7C66113C in MLF56	\$ 365.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL48/MQFP80 ZIF C164	Device specific adaptor for Infineon SAKC164CI-8EM / SAFC164CI-8EM in MQFP80	\$ 389.00
DIL48/MQFP80 ZIF C500	Device specific adaptor for Infineon C505 and C515 family in MQFP80	\$ 345.00
DIL48/PLCC52 ZIF 68HC05Bx	Device specific adaptor for Motorola microcontrollers 68HC05Bx family	\$ 265.00
DIL48/PLCC52 ZIF 68HC11	Device specific adaptor for Motorola microcontrollers 68HC11 / 68HC08 family	\$ 219.00
DIL48/PLCC52 ZIF MCS196-1	Device specific adaptor for Intel chips MCS196 in PLCC52	\$ 339.00
DIL48/PLCC52 ZIF PSD-1	Device specific adaptor for STM PSD8xxF family in PLCC52	\$ 355.00
DIL48/PLCC52 ZIF-CS 68HC11	Device specific adaptor for Motorola microcontrollers 68HC11 / 68HC08 family	\$ 315.00
DIL48/PLCC68 ZIF 68HC11	Device specific adaptor for Motorola microcontrollers 68HC11 family	\$ 219.00
DIL48/PLCC68 ZIF MCS196-1	Device specific adaptor for Intel chips MCS196 in PLCC68	\$ 219.00
DIL48/PLCC68 ZIF MCS196-2	Device specific adaptor for Intel AN87C196CA18 in PLCC68	\$ 355.00
DIL48/PLCC68 ZIF MCS51-1	Device specific adaptor for Philips 87C451 / 87C453 / 87C552 / 87C554 / 89C739 in PLCC68	\$ 155.00
DIL48/PLCC68 ZIF MCS51-2	Device specific adaptor for Philips PXAS37KB series in PLCC68	\$ 219.00
DIL48/PLCC68 ZIF PLD-1	Device specific adaptor for Atmel ATF1504 / Altera EPM70xx / Coolrunner family in PLCC68	\$ 355.00
DIL48/PLCC68 ZIF PLD-2	Device specific adaptor for Altera EP18xxx / Intel xC180 / TI EP18xxx in PLCC68	\$ 429.00
DIL48/PLCC68 ZIF PLD-3	Device specific adaptor for ispLSI1024 and ispLSI1024E in PLCC68	\$ 495.00
DIL48/PLCC84 ZIF 68HC11	Device specific adaptor for MC68HC711P2 in PLCC84	\$ 395.00
DIL48/PLCC84 ZIF MCS196-2	Device specific adaptor for Intel chips MCS196 in PLCC84	\$ 309.00
DIL48/PLCC84 ZIF PLD-1	Device specific adaptor for programming Atmel ATF1504/8 / Altera EPM7064 in PLCC84	\$ 299.00
DIL48/PLCC84 ZIF PLD-2	Device specific adaptor for Xilinx XC9572 in PLCC84	\$ 299.00
DIL48/PLCC84 ZIF PLD-3	Device specific adaptor for AMD / Vantis / Lattice / MACH13x/23x/435 in PLCC84	\$ 355.00
DIL48/PLCC84 ZIF PLD-4	Device specific adaptor for programming Altera EPM7128 / EPM7128E in PLCC84	\$ 289.00
DIL48/PLCC84 ZIF PLD-6	Device specific adaptor for Altera EPM9320/A / EPM9400 with JAM/SVF support in PLCC84	\$ 300.00
DIL48/PQFP100 ZIF PLD-1	Device specific adaptor for Xilinx XC9572 / XC95108 / XC95144 in PQFP100	\$ 379.00
DIL48/PQFP100 ZIF ST10-1	Device specific adaptor for ST10F166 in PQFP100	\$ 469.00
DIL48/PQFP100 ZIF ST62T80	Device specific adaptor for ST62T80B in PQFP100	\$ 595.00
DIL48/PQFP100 ZIF ST92Fxxx	Device specific adaptor for ST92 family in PQFP100	\$ 469.00
DIL48/PQFP100 ZIF-CS ST92Fxxx	Device specific adaptor for ST92 family in PQFP100	\$ 399.00
DIL48/PQFP144 ZIF ST10-1	Device specific adaptor for ST10F168 / ST10F269 in PQFP144	\$ 469.00
DIL48/PQFP144 ZIF ST10-2	Device specific adaptor for ST10F276 in PQFP144	\$ 595.00
DIL48/PQFP80 ZIF 29BDD-1	Device specific adaptor for AM29BDD160GB and other in PQFP80	\$ 485.00
DIL48/PQFP80 ZIF M58BW-1	Device specific adaptor for M58BW016 in PQFP80	\$ 469.00
DIL48/QFN20-1 ZIF-CS STM8-1	Device specific adaptor for devices in QFN20	\$ 695.00
DIL48/QFN20-1 ZIF-CS STM8-2	Device specific adaptor for STM8S in QFN20	\$ 695.00
DIL48/QFN20-2 ZIF-CS	Universal adaptor for devices in QFN20	\$ 345.00
DIL48/QFN24 ZIF-CS nRF-1	Device specific adaptor for NORDIC nRF24LE1 in QFN24	\$ 465.00
DIL48/QFN32 ZIF-CS LPC-1	Device specific adaptor for LPC1xxx ARM Cortex-M3 NXP devices in HVQFN33	\$ 415.00
DIL48/QFN32 ZIF-CS nRF-1	Device specific adaptor for Nordic nRF24LE1 devices in QFN32	\$ 485.00
DIL48/QFN32 ZIF-CS PLD-2	Device specific adaptor for Lattice Power Manager II in QFN32	\$ 395.00
DIL48/QFN36 ZIF-CS CC-1	Device specific adaptor for CC1110 / CC2510 / CC2511 in QFN36	\$ 395.00
DIL48/QFN36 ZIF-CS ZL-1	Device specific adaptor for ZilkerLabs ZL2005 / ZL2005P / ZL2006 in QFN36	\$ 485.00
DIL48/QFN36 ZIF-CS ZL-2	Device specific adaptor for ZilkerLabs ZL2105 / ZL2106 in QFN36	\$ 485.00
DIL48/QFN40 ZIF-CS CC-1	Universal adaptor for devices in QFN40	\$ 485.00
DIL48/QFN40 ZIF-CS EM-1	Device specific adaptor for EMBER EM260 in QFN40	\$ 500.00
DIL48/QFN40 ZIF-CS MAXQ-1	Device specific adaptor for MAQ6xxx in QFN40	\$ 485.00
DIL48/QFN44 ZIF-CS MAXQ-1	Device specific adaptor for MAXQ613 in TQFN44	\$ 355.00
DIL48/QFN44 ZIF-CS MAXQ-2	Device specific adaptor for MAQ6xxx in QFN44	\$ 355.00
DIL48/QFN48 ZIF-CS	Universal adaptor for devices in MLF with 48-pins	\$ 399.00
DIL48/QFN48 ZIF-CS CC-1	Device specific adaptor for CC2430 / CC2431 in QFN48	\$ 395.00
DIL48/QFN48 ZIF-CS CY8C-1	Universal adaptor for CY8C28623/643/645 devices in QFN48 with 48-pins	\$ 500.00
DIL48/QFN48 ZIF-CS EM-1	Device specific adaptor for EMBER EM250 in QFN48	\$ 485.00
DIL48/QFN48 ZIF-CS nRF-1	Device specific adaptor for NORDIC nRF24LE1 in QFN48	\$ 485.00
DIL48/QFN56 ZIF-CS ADuC-1	Device specific adaptor for ADUC8xx in LFCSP56	\$ 425.00
DIL48/QFN56 ZIF-CS ADuC-2	Device specific adaptor for ADUC845/847/848 in LFCSP56	\$ 495.00
DIL48/QFN56 ZIF-CS ICPZBS240	Device specific adaptor for ICPZBS240 in QFN56	\$ 500.00
DIL48/QFN56 ZIF-CS ICPZBS241	Device specific adaptor for ICPZBS241 in QFN56	\$ 500.00
DIL48/QFN64 ZIF-CS ARM-1	Device specific adaptor for Atmel AT91SAM7xxx family in QFN64	\$ 485.00
DIL48/QFN64 ZIF-CS AVR32-1	Device specific adaptor for Atmel AVR32 family in VQFN64	\$ 415.00
DIL48/QFN64 ZIF-CS MSP430-1	Device specific adaptor for TI MSP430F13x/14x/14x1/41x in QFN64	\$ 410.00
DIL48/QFN64 ZIF-CS XMEGA-1	Device specific adaptor for Atmel XMEGA family in QFN64	\$ 415.00
DIL48/QFN68 ZIF-CS CY-1	Device specific adaptor for Cypress CY8C24994-24LFXI in QFN68	\$ 535.00
DIL48/QFN68 ZIF-CS CY-2	Device specific adaptor for Cypress PSoC3 family in QFN68	\$ 535.00
DIL48/QFN68 ZIF-CS PLD-1	Device specific adaptor for Actel IGLOO/ProASIC3 in QFN68	\$ 555.00
DIL48/QFP100 ZIF ARM-1	Device specific adaptor for Atmel AT91SAM7xxx family in QFP100	\$ 395.00
DIL48/QFP100 ZIF CY-1	Device specific adaptor for Cypress CY8C29866 in QFP100	\$ 399.00
DIL48/QFP100 ZIF H8-1	Device specific adaptor for Renesas H8/3026 / H8/3028 / H8/3029 / H8/3048B / H8/3052B / H8/3062B / H8/3064B / H8/3068 / H8/3069R in QFP100	\$ 469.00
DIL48/QFP100 ZIF H8S-4	Device specific adaptor for Renesas H8S/2149 / H8S/2148 / H8S/2147 / H8S/2145 / H8S/2142 / H8S/2141 / H8S/2110 in QFP100	\$ 469.00
DIL48/QFP100 ZIF H8S-5	Device specific adaptor for Renesas H64F2239F16 in QFP100 (FP-100B)	\$ 409.00
DIL48/QFP100 ZIF LPC-1	Device specific adaptor for LPC2368FBD100 and other in QFP100	\$ 395.00
DIL48/QFP100 ZIF MB90F-1	Device specific adaptor for Fujitsu MB90F546GSPFV-G in LQFP100	\$ 469.00
DIL48/QFP100 ZIF MB90F-2	Device specific adaptor for Fujitsu MB90F598 / MB90F598GPF-GE1 in QFP100	\$ 469.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL48/QFP100 ZIF MB90F-3	Device specific adaptor for Fujitsu MB90F947 / MB90F949 in QFP100	\$ 485.00
DIL48/QFP100 ZIF MB90F-4	Device specific adaptor for Fujitsu MB90F34xxx in LQFP100	\$ 485.00
DIL48/QFP100 ZIF MB90F-5	Device specific adaptor for Fujitsu MB90F591 in QFP100	\$ 395.00
DIL48/QFP100 ZIF MCF-1	Device specific adaptor for Freescale MCF52xxxx in QFP100	\$ 399.00
DIL48/QFP100 ZIF MSP430-2	Device specific adaptor for TI MSP430xxxx in QFP100	\$ 500.00
DIL48/QFP100 ZIF NEC-1	Device specific adaptor for NEC uPD70F3114GC-8EU in QFP100	\$ 499.00
DIL48/QFP100 ZIF NEC-2	Device specific adaptor for NEC uPD70F3017A in LQFP100	\$ 469.00
DIL48/QFP100 ZIF NEC-5	Device specific adaptor for NEC UPD78F4218AYGC in QFP100	\$ 395.00
DIL48/QFP100 ZIF NEC-6	Device specific adaptor for NEC uPD78P0308GC-8EU in QFP100	\$ 395.00
DIL48/QFP100 ZIF NEC-7	Device specific adaptor for UPD78F0395GC(R)-8EU-A in LQFP100	\$ 395.00
DIL48/QFP100 ZIF NEC-8	Device specific adaptor for NEC UPD70F3706GC-8EA-A / UPD70F3707GC-8EA-A in QFP100	\$ 545.00
DIL48/QFP100 ZIF PCD-1	Device specific adaptor for Philips PCD80715 / PCD80725 in LQFP100	\$ 485.00
DIL48/QFP100 ZIF PLD-11	Device specific adaptor for Lattice ispPAC-CLK5520/5620/5620A in TQFP100	\$ 485.00
DIL48/QFP100 ZIF PLD-12	Device specific adaptor for Lattice Power Manager II in TQFP100	\$ 425.00
DIL48/QFP100 ZIF PLD-13	Device specific adaptor for Actel IGLOO / ProASIC3/L in VQFP100	\$ 600.00
DIL48/QFP100 ZIF PLD-15	Device specific adaptor for ACTEL ProASICplus in TQFP100	\$ 620.00
DIL48/QFP100 ZIF PLD-2	Device specific adaptor for Altera MAX II / Cypress Ultra37000 / Cypress FLASH370i in TQFP100	\$ 469.00
DIL48/QFP100 ZIF PLD-3	Device specific adaptor for Altera EPM7064S/AE/B / EPM7128S/AE/B / EPM7256AE/B in TQFP100	\$ 329.00
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	\$ 469.00
DIL48/QFP100 ZIF PLD-5	Device specific adaptor for Altera EPM7128E / EPM7128S / EPM7128S / Atmel ATF1504AS/ASL/ASV/ASVL / ATF1508AS/ASL/ASV/ASVL in PQFP100	\$ 485.00
DIL48/QFP100 ZIF PLD-6	Device specific adaptor for Altera EPC4/8/16 for OPTION 1 in PQFP100	\$ 485.00
DIL48/QFP100 ZIF PLD-7	Device specific adaptor for Lattice LCMXO256C/E / LCMXO640C/E in TQFP100	\$ 399.00
DIL48/QFP100 ZIF PLD-9	Device specific adaptor for LatticeXP devices in TQFP100	\$ 465.00
DIL48/QFP100 ZIF STM32	Device specific adaptor for STM32 family in QFP100	\$ 425.00
DIL48/QFP100 ZIF STR73x	Device specific adaptor for STR73x family and other in QFP100	\$ 395.00
DIL48/QFP100 ZIF STR75x	Device specific adaptor for STR75x family in QFP100	\$ 399.00
DIL48/QFP100 ZIF TMP-1	Device specific adaptor for Toshiba TMP91FY42 in QFP100	\$ 399.00
DIL48/QFP100 ZIF TMS320-1	Device specific adaptor for TMS320 family in QFP100	\$ 375.00
DIL48/QFP100 ZIF XC-1	Device specific adaptor for SAK-XC164CS in QFP100	\$ 395.00
DIL48/QFP100 ZIF-CS NEC-4	Device specific adaptor for NEC uPD78P064 / uPD78P0308 in QFP100	\$ 485.00
DIL48/QFP100 ZIF-CS PLD-10	Device specific adaptor for Altera EPC8/16 v PQFP100 for OPTION 2 in PQFP100	\$ 425.00
DIL48/QFP100 ZIF-CS W-1	Device specific adaptor for W79E659A in QFP100	\$ 395.00
DIL48/QFP100-1 ZIF C8051	Device specific adaptor for Cygnal 8051 MCU in TQFP100	\$ 385.00
DIL48/QFP100-1 ZIF H8-1	Device specific adaptor for Renesas H8/3026 / H8/3028 / H8/3029 / H8/3048B / H8/3052B / H8/3062B / H8/3064B / H8/3068 / H8/3069R in QFP100	\$ 399.00
DIL48/QFP100-1 ZIF H8S-4	Device specific adaptor for Renesas H8S/2149 / H8S/2148 / H8S/2147 / H8S/2145 / H8S/2142 / H8S/2141 / H8S/2110 in QFP100	\$ 399.00
DIL48/QFP100-1 ZIF M16C/62-1	Device specific adaptor for Renesas M3062x in LQFP100	\$ 379.00
DIL48/QFP100-1 ZIF MB90F-4	Device specific adaptor for Fujitsu MB90F342CASPF in QFP100	\$ 409.00
DIL48/QFP100-1 ZIF MSP430	Device specific adaptor for TI MSP430Fxxx family in QFP100	\$ 399.00
DIL48/QFP100-1 ZIF NEC-10	Device specific adaptor for NEC UPD70F3454 in LQFP100	\$ 570.00
DIL48/QFP100-1 ZIF NEC-11	Device specific adaptor for NEC uPD78F1164GC / uPD78F1164AGC in LQFP100	\$ 570.00
DIL48/QFP100-1 ZIF NEC-3	Device specific adaptor for NEC uPD70F3079AYGC in QFP100	\$ 469.00
DIL48/QFP100-1 ZIF R32C-1	Device specific adaptor for Renesas R5F64176DFB / R5F64116DFB / R5F64167DFB in QFP100	\$ 465.00
DIL48/QFP100-1 ZIF R5F-1	Device specific adaptor for Renesas R5F3640DNFB / R5F364AENFB devices in QFP100	\$ 485.00
DIL48/QFP100-1 ZIF-CS NEC-11	Device specific adaptor for NEC uPD78F1164GC / uPD78F1164AGC in LQFP100	\$ 625.00
DIL48/QFP100-2 ZIF M16C/62-1	Device specific adaptor for Renesas M3062x in QFP100	\$ 379.00
DIL48/QFP112 ZIF HC12-1	Device specific adaptor for HC12 in LQFP112	\$ 399.00
DIL48/QFP112 ZIF HCS12-1	Device specific adaptor for Motorola MC9S12 family in QFP112	\$ 379.00
DIL48/QFP112 ZIF HCS12-2	Device specific adaptor for Motorola MC9S12 family in QFP112	\$ 425.00
DIL48/QFP112 ZIF HCS12-4	Device specific adaptor for Freescale MC9S12HZ in QFP112	\$ 395.00
DIL48/QFP112 ZIF-CS HD64-1	Device specific adaptor for Renesas HD6477042F in QFP112	\$ 390.00
DIL48/QFP112 ZIF-CS SH-1	Device specific adaptor for Renesas HD64F7144F in QFP112	\$ 460.00
DIL48/QFP120 ZIF MB91-2	Device specific adaptor for Fujitsu MB91F366GBPMT in LQFP120	\$ 595.00
DIL48/QFP120 ZIF MB91-3	Device specific adaptor for Fujitsu MB91F376GPMT in LQFP120	\$ 690.00
DIL48/QFP120 ZIF-CS HD64F-1	Device specific adaptor for Renesas HD64F2215TE in TQFP120	\$ 499.00
DIL48/QFP120-1 ZIF MB9-1	Device specific adaptor for Fujitsu MB96F386RSA in LQFP120	\$ 425.00
DIL48/QFP128 ZIF ARM-1	Device specific adaptor for Atmel family in QFP128	\$ 395.00
DIL48/QFP128 ZIF M30-1	Device specific adaptor for M30625FGPGP in QFP128	\$ 399.00
DIL48/QFP128 ZIF MC56F-1	Device specific adaptor for M30625FGPGP in QFP128	\$ 425.00
DIL48/QFP128 ZIF PLD-3	Device specific adaptor for Lattice LC4xxxB/C/V in TQFP128	\$ 495.00
DIL48/QFP128 ZIF STR91x	Device specific adaptor for STR91x family in LQFP128	\$ 445.00
DIL48/QFP128 ZIF TMS320-1	Device specific adaptor for DSPs TMS320 family in QFP128	\$ 450.00
DIL48/QFP128 ZIF UOC-FD	Device specific adaptor for Philips UOCIIIN processors in QFP128	\$ 545.00
DIL48/QFP128 ZIF UOC-FU	Device specific adaptor for Philips UOCIIIN processors in QFP128	\$ 495.00
DIL48/QFP128 ZIF-CS NT68-1	Device specific adaptor for Novatek NT68664MEFG in TQFP128	\$ 485.00
DIL48/QFP128 ZIF-CS NT68-2	Device specific adaptor for Novatek NT68665-128kB / NT68625-128kB / NT68665-64kB / NT68625-64kB in QFP128	\$ 399.00
DIL48/QFP144 ZIF H8S-2	Device specific adaptor for Renesas HD64F2111BV / HD64F2160BV / HD64F2161BV / HD64F2169YV / RE144AV in QFP144	\$ 469.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL48/QFP144 ZIF H8S-3	Device specific adaptor for Renesas HD64F2376 / HD64F2377/R / HD64F2378/R in QFP144	\$ 469.00
DIL48/QFP144 ZIF H8S-4	Device specific adaptor for Renesas H8S/2116 in QFP144	\$ 485.00
DIL48/QFP144 ZIF H8S-5	Device specific adaptor for HD64F2166vet33v in QFP144	\$ 355.00
DIL48/QFP144 ZIF H8S-6	Device specific adaptor for Renesas R4F2117 in TQFP144	\$ 395.00
DIL48/QFP144 ZIF HCS12-1	Device specific adaptor for Freescale HCS12XDP in LQFP144	\$ 485.00
DIL48/QFP144 ZIF HCS12-2	Device specific adaptor for Motorola / Freescale MC9S12Hxxx / MC9S12XHZxxx in LQFP144	\$ 485.00
DIL48/QFP144 ZIF LPC-1	Device specific adaptor for LPC2378 in QFP144	\$ 650.00
DIL48/QFP144 ZIF M16C-1	Device specific adaptor for Renesas M16C/6K M306K9FCLRP in QFP144	\$ 569.00
DIL48/QFP144 ZIF M32C-1	Device specific adaptor for M3087BFLGP in QFP144	\$ 495.00
DIL48/QFP144 ZIF MC56F-1	Device specific adaptor for Freescale Semi. MC56Fxxx in LQFP144	\$ 495.00
DIL48/QFP144 ZIF MCF52-1	Device specific adaptor for Freescale MCF52259 in LQFP144	\$ 555.00
DIL48/QFP144 ZIF NEC-1	Device specific adaptor for NEC UPD70F3421GJ(A) in LQFP144	\$ 585.00
DIL48/QFP144 ZIF NEC-2	Device specific adaptor for NEC 70F3379M2(A) devices in QFP144	\$ 485.00
DIL48/QFP144 ZIF PLD-1	Device specific adaptor for Altera EPM3128A/256A / EPM7128A/256A / EPM7128AE/256AE/512AE / EPM7128B/256B/512B in TQFP144	\$ 469.00
DIL48/QFP144 ZIF PLD-2	Device specific adaptor for Xilinx XC95144XL/288XL / XC95144XV/288XV / XC2C128/256/384 in TQFP144	\$ 469.00
DIL48/QFP144 ZIF PLD-3	Device specific adaptor for Altera MAX II family in TQFP144	\$ 485.00
DIL48/QFP144 ZIF PLD-4	Device specific adaptor for Xilinx CoolRunner XPLA3 family in TQFP144	\$ 425.00
DIL48/QFP144 ZIF PLD-5	Device specific adaptor for LatticeXP family in TQFP144	\$ 425.00
DIL48/QFP144 ZIF PLD-6	Device specific adaptor for Lattice MachXO family in TQFP144	\$ 429.00
DIL48/QFP144 ZIF PLD-7	Device specific adaptor for Lattice LC4xxxV devices in TQFP144	\$ 465.00
DIL48/QFP144 ZIF PLD-9	Device specific adaptor for Xilinx XC3S50AN devices in TQFP144	\$ 595.00
DIL48/QFP144 ZIF STM32	Device specific adaptor for STM32 family in LQFP144	\$ 495.00
DIL48/QFP144 ZIF STR71x	Device specific adaptor for STR71x family in QFP144	\$ 395.00
DIL48/QFP144 ZIF STR73x	Device specific adaptor for STR73x family in QFP144	\$ 485.00
DIL48/QFP144 ZIF XC-1	Device specific adaptor for SAK-XC167CI-16F40F / SAK-XC167CI-32F40F in QFP144	\$ 425.00
DIL48/QFP144 ZIF-CS H8S-7	Device specific adaptor for Renesas R4F2461 in LQFP144	\$ 399.00
DIL48/QFP144 ZIF-CS H8S-8	Device specific adaptor for Renesas R4J01102DFP in QFP144	\$ 535.00
DIL48/QFP160 ZIF-CS PLD-1	Device specific adaptor for Xilinx XC9500 in PQFP160	\$ 695.00
DIL48/QFP176 ZIF HD64-1	Device specific adaptor for Renesas HD64F7065 in QFP176	\$ 425.00
DIL48/QFP176 ZIF PLD-1	Device specific adaptor for Lattice ispMACH 4000V/B/C/ZC in TQFP176	\$ 695.00
DIL48/QFP176 ZIF SAF-1	Device specific adaptor for Philips SAF7780 in QFP176	\$ 425.00
DIL48/QFP176-1 ZIF TMS320-1	Device specific adaptor for DSPs TMS320 family in QFP176	\$ 495.00
DIL48/QFP208 ZIF LPC-1	Device specific adaptor for ARM Philips LPC24xx devices in LQFP208	\$ 600.00
DIL48/QFP208 ZIF PLD-3	Device specific adaptor for Xilinx XC9500 in HQFP208 / XC95000XL/XV in PQFP208	\$ 495.00
DIL48/QFP208 ZIF PLD-6	Device specific adaptor for LatticeXP devices in PQFP208	\$ 695.00
DIL48/QFP208 ZIF PLD-8	Device specific adaptor for Actel ProASIC3/E/L in PQFP208	\$ 695.00
DIL48/QFP256 ZIF HD64F-1	Device specific adaptor for HD64F7055SF in QFP256	\$ 495.00
DIL48/QFP256 ZIF HD64F-2	Device specific adaptor for HD64F7058BF in QFP256	\$ 595.00
DIL48/QFP32-1 ZIF STM8-1	Device specific adaptor for STM8 in QFP32	\$ 345.00
DIL48/QFP32-1 ZIF STM8-2	Device specific adaptor for STM8L101K3T in LQFP32	\$ 330.00
DIL48/QFP44 ZIF XMEGA-1	Device specific adaptor for Atmel XMEGA family in QFP44	\$ 450.00
DIL48/QFP44-1 ZIF STM8-1	Device specific adaptor for STM8 family in QFP44	\$ 465.00
DIL48/QFP48 ZIF PLD-1	Device specific adaptor for Lattice Power Manager II in TQFP48	\$ 695.00
DIL48/QFP48 ZIF XC-1	Device specific adaptor for SAF-XC886/XC888 in QFP48	\$ 515.00
DIL48/QFP48-1 ZIF STM8-1	Device specific adaptor for STM8 in QFP48	\$ 465.00
DIL48/QFP48-1 ZIF STM8-2	Device specific adaptor for STM8 in QFP48	\$ 485.00
DIL48/QFP48-1 ZIF-CS STM8-1	Device specific adaptor for STM8 in QFP48	\$ 485.00
DIL48/QFP52 ZIF ADUC-1	Device specific adaptor for ADuC8xx in QFP52	\$ 500.00
DIL48/QFP52 ZIF HCS12-1	Device specific adaptor for Freescale HCS12C/GC/Q in LQFP52	\$ 355.00
DIL48/QFP52 ZIF PSD-1	Device specific adaptor for SGS-Thomson PSD/uPSD in QFP52	\$ 399.00
DIL48/QFP52 ZIF R8C/Tiny-1	Device specific adaptor for Renesas R8C/Tiny family in QFP52	\$ 395.00
DIL48/QFP52 ZIF-CS PSD-2	Device specific adaptor for STM PSD8xxF family in QFP52	\$ 495.00
DIL48/QFP64 ZIF 68HC-1	Device specific adaptor for Motorola 68HC11xxx series in QFP64	\$ 299.00
DIL48/QFP64 ZIF 68HC-2	Device specific adaptor for Motorola 68HC705xxx series in QFP64	\$ 319.00
DIL48/QFP64 ZIF ARM-1	Device specific adaptor for Atmel AT91SAM family in LQFP64	\$ 395.00
DIL48/QFP64 ZIF HD64-1	Device specific adaptor for Renesas HD64F2128 in QFP64	\$ 329.00
DIL48/QFP64 ZIF HD64-2	Device specific adaptor for HD64F36074 in QFP64	\$ 395.00
DIL48/QFP64 ZIF MCF52-1	Device specific adaptor for MCF5212 devices in QFP64	\$ 395.00
DIL48/QFP64 ZIF MSP430-1	Device specific adaptor for TI MSP430Fxxx family in QFP64	\$ 319.00
DIL48/QFP64 ZIF PLD-1	Device specific adaptor for Xilinx CPLD XC95xxXL in VQFP64	\$ 329.00
DIL48/QFP64 ZIF STM32	Device specific adaptor for STM32 family in QFP64	\$ 399.00
DIL48/QFP64 ZIF STR71x	Device specific adaptor for STR71x family in QFP64	\$ 399.00
DIL48/QFP64 ZIF STR75x	Device specific adaptor for STR75x family in QFP64	\$ 495.00
DIL48/QFP64 ZIF TMP-1	Device specific adaptor for TMP86PM72FG devices in QFP64	\$ 325.00
DIL48/QFP64 ZIF TMP-2	Device specific adaptor for TMP86FS23UG in LQFP64	\$ 465.00
DIL48/QFP64 ZIF TMP-3	Device specific adaptor for TMP86FM29UG in QFP64	\$ 485.00
DIL48/QFP64 ZIF TMP86FS-1	Device specific adaptor for TMP86FS49AFJ devices in QFP64	\$ 425.00
DIL48/QFP64 ZIF XC-1	Device specific adaptor for SAF-XC164TM-8F40 in QFP64	\$ 329.00
DIL48/QFP64 ZIF XE-1	Device specific adaptor for Xemixs XE88LC05A in QFP64	\$ 499.00
DIL48/QFP64 ZIF XMEGA-1	Device specific adaptor for Atmel XMEGA family in QFP64	\$ 500.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL48/QFP64 ZIF-CS TMP86FS-1	Device specific adaptor for TMP86FS49AFJ in QFP64	\$ 580.00
DIL48/QFP64-1 ZIF C8051	Device specific adaptor for Cygnal 8051 MCU in TQFP64	\$ 469.00
DIL48/QFP64-1 ZIF HCS08-1	Device specific adaptor for Freescale MC9S08AW in LQFP64	\$ 395.00
DIL48/QFP64-1 ZIF STM8-1	Device specific adaptor for STM8 family in QFP64	\$ 465.00
DIL48/QFP64-1 ZIF-CS MB9-1	Device specific adaptor for MB95F108AHSFPV in QFP64	\$ 329.00
DIL48/QFP64-1 ZIF-CS NEC-3	Device specific adaptor for uPD75P036GC in QFP64	\$ 399.00
DIL48/QFP64-1 ZIF-CS NEC78K-1	Device specific adaptor for NEC uPD78P014 / uPD78P018 in QFP64	\$ 469.00
DIL48/QFP64-2 ZIF 68HC-2	Device specific adaptor for Freescale MC705X32 in QFP64	\$ 300.00
DIL48/QFP64-2 ZIF HCS08-2	Device specific adaptor for Freescale MC9S08AW in QFP64	\$ 375.00
DIL48/QFP64-2 ZIF MB9-1	Device specific adaptor for Fujitsu MB95F108AHSFPV in QFP64	\$ 329.00
DIL48/QFP64-2 ZIF-CS NEC-2	Device specific adaptor for NEC uPD78F0533 / uPD78F0534 in LQFP64	\$ 465.00
DIL48/QFP64-3 ZIF HCS08-3	Device specific adaptor for MC9S08QE128 / MC9S08DZ/V/N devices in LQFP64	\$ 385.00
DIL48/QFP64-3 ZIF NEC-2	Device specific adaptor for NEC 78K/0 / 78K/0S Flash MCU family in LQFP64	\$ 485.00
DIL48/QFP64-4 ZIF NEC-2	Device specific adaptor for NEC uPD78F0533 / uPD78F0534 in LQFP64	\$ 395.00
DIL48/QFP64-4 ZIF NEC-3	Device specific adaptor for NEC UPD70F3612M2GB-GAH in QFP64	\$ 485.00
DIL48/QFP64-5 ZIF NEC-3	Device specific adaptor for UPD70F3231GB-YEU in QFP64	\$ 425.00
DIL48/QFP80 ZIF HC11-1	Device specific adaptor for Motorola HC11 family in QFP80	\$ 329.00
DIL48/QFP80 ZIF HC12-1	Device specific adaptor for HC12 family in QFP80	\$ 395.00
DIL48/QFP80 ZIF HC12-2	Device specific adaptor for HC12 family in QFP80	\$ 415.00
DIL48/QFP80 ZIF HCS12-1	Device specific adaptor for Motorola MC9S12 family in QFP80	\$ 379.00
DIL48/QFP80 ZIF HCS12-2	Device specific adaptor for Motorola MC9S12 family in QFP80	\$ 379.00
DIL48/QFP80 ZIF HCS12-3	Device specific adaptor for Motorola MC9S12 family in QFP80	\$ 395.00
DIL48/QFP80 ZIF HD-1	Device specific adaptor for Renesas HD4074818H in QFP80	\$ 595.00
DIL48/QFP80 ZIF HD64-2	Device specific adaptor for Renesas HD64F2612F / HD64F2615F in QFP80	\$ 415.00
DIL48/QFP80 ZIF HD64-3	Device specific adaptor for Renesas HD64F38327H in QFP80	\$ 375.00
DIL48/QFP80 ZIF HD64-4	Device specific adaptor for Renesas HD64F2138FA in QFP80	\$ 375.00
DIL48/QFP80 ZIF HD64-5	Device specific adaptor for Renesas HD6473827RH in QFP80	\$ 385.00
DIL48/QFP80 ZIF HD64-6	Device specific adaptor for Renesas H836047 / H836049 / HD64F39047GHV in QFP80	\$ 395.00
DIL48/QFP80 ZIF HD64-7	Device specific adaptor for Renesas HD6475378F in QFP80	\$ 400.00
DIL48/QFP80 ZIF HD64-8	Device specific adaptor for Renesas HD64738024HV in TQFP80	\$ 585.00
DIL48/QFP80 ZIF LPC-1	Device specific adaptor for LPC17xx ARM Cortex-M3 NXP in LQFP80	\$ 485.00
DIL48/QFP80 ZIF MCF52-1	Device specific adaptor for Coldfire family MCF52230 / MCF52231 / MCF52233CAF60 / MCF52234 / MCF52235 in QFP80	\$ 485.00
DIL48/QFP80 ZIF PCD-1	Device specific adaptor for PCD80721 in QFP80	\$ 425.00
DIL48/QFP80 ZIF PSD-1	Device specific adaptor for SGS-Thomson uPSD in QFP80	\$ 425.00
DIL48/QFP80 ZIF ST7-1	Device specific adaptor for ST72F521M9T6 and other in QFP80	\$ 465.00
DIL48/QFP80 ZIF-CS MCS51-2	Device specific adaptor for Philips P87C557 in QFP80	\$ 495.00
DIL48/QFP80 ZIF-CS UOC-FD	Device specific adaptor for Philips UOC family in QFP80	\$ 425.00
DIL48/QFP80 ZIF-CS UOC-FDa	Device specific adaptor for Philips UOC family in QFP80	\$ 465.00
DIL48/QFP80 ZIF-CS UOC-FU	Device specific adaptor for Philips UOC family in QFP80	\$ 425.00
DIL48/QFP80 ZIF-CS UOC-FUa	Device specific adaptor for Philips UOC family in QFP80	\$ 465.00
DIL48/QFP80 ZIF-CS Z8F-1	Device specific adaptor for Zilog Z8F6423 / Z8F4828 in QFP80	\$ 469.00
DIL48/QFP80-1 ZIF HC908-1	Device specific adaptor for Motorola HC908LJ24 in LQFP80	\$ 329.00
DIL48/QFP80-1 ZIF HCS08-1	Device specific adaptor for Motorola MC9S08xxx and MCF51xxx family in LQFP80	\$ 485.00
DIL48/QFP80-1 ZIF M30-1	Device specific adaptor for Renesas M30280FCHP in QFP80	\$ 415.00
DIL48/QFP80-1 ZIF MCS51-1	Device specific adaptor for Philips PXAS37KB series in QFP80	\$ 365.00
DIL48/QFP80-1 ZIF MSP430	Device specific adaptor for TI MSP430F43x / MSP430FG43x in QFP80	\$ 395.00
DIL48/QFP80-1 ZIF MSP430-2	Device specific adaptor for TI MSP430F241x/261x in QFP80	\$ 600.00
DIL48/QFP80-1 ZIF MSP430-3	Device specific adaptor for TI MSP430Fxxx in QFP80	\$ 565.00
DIL48/QFP80-1 ZIF NEC-1	Device specific adaptor for NEC UPD70F3306GK in TQFP80	\$ 429.00
DIL48/QFP80-1 ZIF NEC-2	Device specific adaptor for uPD78F0828B in QFP80	\$ 395.00
DIL48/QFP80-1 ZIF NEC-3	Device specific adaptor for NEC uPD75P3018AGC-8BT-A in QFP80	\$ 485.00
DIL48/QFP80-1 ZIF STM8-1	Device specific adaptor for STM8 in QFP80	\$ 455.00
DIL48/QFP80-2 ZIF HC908-1	Device specific adaptor for Motorola HC908LJ24 in QFP80	\$ 395.00
DIL48/QFP80-2 ZIF HCS08-2	Device specific adaptor for MC9S08LG32 in LQFP80	\$ 485.00
DIL48/QFP80-2 ZIF NEC-1	Device specific adaptor for NEC UPD70F3306GC / D70F3729GC in QFP80	\$ 600.00
DIL48/QFPN32-1 ZIF STM8-1	Device specific adaptor for STM8L in FQFPN32	\$ 345.00
DIL48/QFPN48-1 ZIF STM8-1	Device specific adaptor for STM8 in VFQFPN48	\$ 485.00
DIL48/QIP90 ZIF UOC-FD	Device specific adaptor for Philips UOCIIIN processors in QIP90	\$ 595.00
DIL48/QIP90 ZIF UOC-FU	Device specific adaptor for Philips UOCIIIN processors in QIP90	\$ 595.00
DIL48/QUIP64 ZIF NEC-1	Device specific adaptor for NEC uPD78CP18GQ in QUIP64	\$ 360.00
DIL48/SDIP32-1 ZIF STM8-1	Device specific adaptor for STM family in SDIP32	\$ 285.00
DIL48/SDIP56 ZIF 68HC05Bx	Device specific adaptor for Motorola 68HC05Bx family in SDIP56	\$ 379.00
DIL48/SDIP56 ZIF HC908-1	Device specific adaptor for Motorola / Freescale 908MR16 family in SDIP56	\$ 595.00
DIL48/SDIP56 ZIF ST7-1	Device specific adaptor for ST72C314N4B6 in SDIP56	\$ 365.00
DIL48/SDIP64 ZIF M38-1	Device specific adaptor for Renesas / Mitsubishi M38002E4 in SDIP64	\$ 395.00
DIL48/SDIP64 ZIF MB90F-2	Device specific adaptor for Fujitsu MB90F462 in SDIP64	\$ 395.00
DIL48/SDIP64 ZIF NEC-2	Device specific adaptor for NEC 78F0034A in SDIP64	\$ 385.00
DIL48/SDIP64 ZIF TMP91-1	Device specific adaptor for TMP91P640N in SDIP64	\$ 399.00
DIL48/SDIP64 ZIF UOC-1	Device specific adaptor for Phillips UOC-TOP in SDIP64	\$ 385.00
DIL48/SSOP44 ZIF CubeXC17V16	Device specific adaptor for 3DPO64M08VS2299 in SSOP44	\$ 485.00
DIL48/SSOP48 ZIF 300mil	Universal adaptor for devices in SSOP48	\$ 355.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL48/SSOP56 ZIF Flash-1	Device specific adaptor for Flash EPROMs in SSOP56	\$ 455.00
DIL48/SSOP56 ZIF Flash-2	Device specific adaptor for AMD AM29BL802/162 Flash EPROMs in SSOP56	\$ 455.00
DIL48/SSOP56 ZIF Flash-3	Device specific adaptor for Flash EPROMs in SSOP56	\$ 455.00
DIL48/SSOP56 ZIF-CS CY-1	Device specific adaptor for Cypress CY7C66111 / CY7C66112 / CY7C66113 in SSOP56	\$ 345.00
DIL48/SSOP70 ZIF OKI-1	Device specific adaptor for EPROMs OKI MR26V256x5 in SSOP70	\$ 399.00
DIL48/SSOP90 ZIF Flash-1	Device specific adaptor for Fujitsu Flash MBM29XL12DF / MBM29PL3200TE in SSOP90	\$ 499.00
DIL48/TQFP100 ZIF AVR32-1	Device specific adaptor for Atmel AVR32 family in TQFP100	\$ 425.00
DIL48/TQFP100 ZIF PLD-2	Device specific adaptor for Xilinx CPLD XC95xxx / CoolRunner-II family in TQFP100	\$ 399.00
DIL48/TQFP100 ZIF ST92Fxxx	Device specific adaptor for ST92 family in TQFP100	\$ 469.00
DIL48/TQFP100-2 ZIF PLD-1	Device specific adaptor for Altera EPM / Atmel ATF / Xilinx XCR in TQFP100	\$ 399.00
DIL48/TQFP144 ZIF ST10-1	Device specific adaptor for ST10F276Z5T3 in TQFP144	\$ 469.00
DIL48/TQFP144 ZIF ST10-2	Device specific adaptor for ST10F276 in TQFP144	\$ 550.00
DIL48/TQFP48-1 ZIF	Universal adaptor for devices in TQFP48	\$ 309.00
DIL48/TQFP64 ZIF AVR32-1	Device specific adaptor for Atmel AVR32 family in TQFP64	\$ 425.00
DIL48/TQFP64 ZIF C164-1	Device specific adaptor for SAK-C164CM-4EF in QFP64	\$ 660.00
DIL48/TQFP64 ZIF HC908-1	Device specific adaptor for Motorola 68HC908AZ60 / 68HC908AS60 in TQFP64	\$ 319.00
DIL48/TQFP64 ZIF HC908-2	Device specific adaptor for Motorola HC908LJ12 / HC908LJ24 / HC908GR32A / HC908GR48A / HC908GR60A / HC908GZ32 / HC908GZ48 / HC908GZ60 in QFP64	\$ 289.00
DIL48/TQFP64 ZIF MSC1210	Device specific adaptor for TI MSC1210 family in TQFP64	\$ 319.00
DIL48/TQFP64-1 ZIF ST7-1	Device specific adaptor for ST7 family in TQFP64	\$ 399.00
DIL48/TQFP64-1 ZIF-CS ST7-1	Device specific adaptor for ST7 family in TQFP64	\$ 425.00
DIL48/TQFP64-2 ZIF HC908-2	Device specific adaptor for Motorola HC908LJ12 / HC908LJ24 in TQFP64	\$ 329.00
DIL48/TQFP64-2 ZIF ST7-1	Device specific adaptor for ST7 family in TQFP64	\$ 399.00
DIL48/TQFP64-2 ZIF ST7-2	Device specific adaptor for ST7 family in TQFP64	\$ 395.00
DIL48/TSOP48 ZIF 15.4mm	Universal adaptor for devices in WSOP48	\$ 499.00
DIL48/TSOP48 ZIF 18.4mm	Universal adaptor for TSOP devices up to 48-pins	\$ 299.00
DIL48/TSOP48 ZIF 18.4mm NAND	Universal adaptor for NAND Flash in TSOP48	\$ 275.00
DIL48/TSOP48 ZIF 18.4mm NAND-ONFI	Universal adaptor for NAND Flash with ONFI pinout in TSOP48	\$ 275.00
DIL48/TSOP56 ZIF 18.4mm Flash-1	Device specific adaptor for Flash EPROMs in TSOP56	\$ 425.00
DIL48/TSOP56 ZIF 18.4mm Flash-1 (x16)	Device specific adaptor for Flash EPROMs in TSOP56 in x16 mode	\$ 425.00
DIL48/TSOP56 ZIF 18.4mm Flash-10	Device specific adaptor for SHARP LH28F128BFHT-PBTL / LH28F128BFHT-PLF10B in TSOP56	\$ 425.00
DIL48/TSOP56 ZIF 18.4mm Flash-11	Device specific adaptor for Spansion S29GL01GPxxTxx in TSOP56	\$ 495.00
DIL48/TSOP56 ZIF 18.4mm Flash-2	Device specific adaptor for Flash EPROMs in TSOP56	\$ 455.00
DIL48/TSOP56 ZIF 18.4mm Flash-3	Device specific adaptor for Flash EPROMs in TSOP56	\$ 399.00
DIL48/TSOP56 ZIF 18.4mm Flash-4	Device specific adaptor for Flash EPROMs in TSOP56	\$ 419.00
DIL48/TSOP56 ZIF 18.4mm Flash-4 (x16)	Device specific adaptor for Flash EPROMs in TSOP56 in x16 mode	\$ 420.00
DIL48/TSOP56 ZIF 18.4mm Flash-5	Device specific adaptor for Flash EPROMs in TSOP56	\$ 379.00
DIL48/TSOP56 ZIF 18.4mm Flash-6	Device specific adaptor for Flash EPROMs in TSOP56	\$ 399.00
DIL48/TSOP56 ZIF 18.4mm Flash-7	Device specific adaptor for Flash EPROMs in TSOP56	\$ 385.00
DIL48/TSOP56 ZIF 18.4mm Flash-8 (x16)	Device specific adaptor for Flash EPROMs in TSOP56	\$ 365.00
DIL48/TSOP56 ZIF 18.4mm Flash-9	Device specific adaptor for Flash EPROMs in TSOP56	\$ 365.00
DIL48/TSSOP16 ZIF IDT-1	Universal adaptor for TSSOP ICS280 / ICS281 / ICS275 / ICS276 devices in TSSOP16	\$ 205.00
DIL48/TSSOP20-1 ZIF STM8-1	Device specific adaptor for STM8 devices in TSSOP	\$ 465.00
DIL48/TSSOP38 ZIF PL3120	Universal adaptor for TSSOP devices up to 38-pins	\$ 355.00
DIL48/TSSOP48 ZIF 240mil	Universal adaptor for devices in TSSOP48	\$ 395.00
DIL48/TVSOP48 ZIF-CS 170mil	Universal adaptor for devices in TVSOP up to 48-pins	\$ 399.00
DIL8/DIL14 AT24RF	Device specific adaptor for SEEPROM AT24RF	\$ 120.00
DIL8/QFN8-1 ZIF-CS	Universal adaptor for devices in QFN8 / MLP8 / MLF8 / SON8	\$ 419.00
DIL8/QFN8-1 ZIF-CS SFlash-1	Device specific adaptor for SFlash-1 QFN8 devices up to 8-pins	\$ 355.00
DIL8/QFN8-1 ZIF-CS SFlash-2	Device specific adaptor for SFlash-2 QFN8 devices up to 8-pins	\$ 355.00
DIL8/QFN8-2 ZIF-CS	Universal adaptor for EEPROM / Flash devices in QFN8 / MLP8 / MLF8 / SON8 / LAP8	\$ 485.00
DIL8/QFN8-3 ZIF-CS	Universal adaptor for devices in QFN8 / MLP8 / MLF8 / SON8 / DFN8	\$ 365.00
DIL8/QFN8-3 ZIF-CS SFlash-1	Device specific adaptor for SFlash-1 devices in QFN8	\$ 300.00
DIL8/QFN8-4 ZIF-CS	Universal adaptor for devices in QFN8 / MLP8 / MLF8 / SON8	\$ 355.00
DIL8/QFN8-4 ZIF-CS SFlash-1	Device specific adaptor for SFlash-1 devices in QFN8	\$ 300.00
DIL8/QFN8-5 ZIF-CS	Universal adaptor for devices in QFN8	\$ 365.00
DIL8/QFN8-5 ZIF-CS SFlash-1	Device specific adaptor for SFlash-1 MLP8 devices up to 8-pins	\$ 395.00
DIL8/QFN8-5 ZIF-CS SFlash-2	Device specific adaptor for SFlash-2 CASON8 devices up to 8-pins	\$ 395.00
DIL8/QFN8-6 ZIF-CS	Universal adaptor for devices in DFN8	\$ 355.00
DIL8/SOIC8 ZIF 150mil	Universal adaptor for SOIC devices up to 8-pins	\$ 125.00
DIL8/SOIC8 ZIF 200mil	Universal adaptor for 200mil SOIC devices up to 8-pins	\$ 219.00
DIL8/SOIC8-1 ZIF 170mil	Universal adaptor for SOIC devices with 8-pins	\$ 269.00
DIL8/SOT23-6 ZIF-CS PIC	Device specific adaptor for PICmicro in SOT23-6	\$ 329.00
DIL8/SSOP8 ZIF 120mil	Universal adaptor for SSOP8 devices	\$ 329.00
DIL8/SSOP8 ZIF-CS 110mil	Universal adaptor for SSOP devices with 8-pins	\$ 345.00
DIL8W/SOIC8 ZIF 150mil	Universal adaptor for SOIC devices up to 8-pins	\$ 139.00
DIL8W/SOIC8 ZIF 150mil SFlash-1	Device specific adaptor for SFlash-1 SOIC devices up to 8-pins	\$ 110.00
DIL8W/SOIC8 ZIF 150mil SFlash-2	Device specific adaptor for SFlash-2 SOIC devices up to 8-pins	\$ 110.00
DIL8W/SOIC8 ZIF 200mil	Universal adaptor for 200mil SOIC devices up to 8-pins	\$ 219.00
DIL8W/SOIC8 ZIF 200mil SFlash-1	Device specific adaptor for SFlash-1 SOIC8 devices up to 8-pins	\$ 130.00
DIL8W/SOIC8 ZIF 200mil SFlash-2	Device specific adaptor for SFlash-2 SOIC8 devices up to 8-pins	\$ 130.00
DIL8W/SOIC8-2 ZIF 200mil SFlash-1	Device specific adaptor for 25VF064C in S3A	\$ 130.00

## 40Pro/48Pro/48Pro+/48Pro2/448Pro/448Pro+/448Pro2 Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL8W/TSSOP8 ZIF 170mil	Universal adaptor for TSSOP devices up to 8-pins	\$ 219.00
DIL8W/TSSOP8 ZIF 170mil SFlash-1	Device specific adaptor for SFlash-1 TSSOP devices up to 8-pins	\$ 130.00
Module ISP-1-20	Universal module for ISP programming devices with one wire for communication	\$ 165.00
Module PLD-1	Device specific module for obsolete PLD devices	\$ 155.00
Top PSOP44 ZIF 600mil	Top board of PSOP44 adaptor	\$ 140.00
Top TSOP32 ZIF 12.4mm	Top board of TSOP32 adaptor	\$ 175.00
Top TSOP32 ZIF 18.4mm	Top board of TSOP32 adaptor	\$ 205.00
Top TSOP40 ZIF 12.4mm	Top board of TSOP40 adaptor	\$ 220.00
Top TSOP40 ZIF 18.4mm	Top board of TSOP40 adaptor	\$ 205.00
Top TSOP48 ZIF 18.4mm	Top board of TSOP48 adaptor	\$ 205.00
Top TSOP56 ZIF 18.4mm	Top board of TSOP56 adaptor	\$ 220.00
BGA-Top-9 ZIF-CS	Top board of BGA adaptor for ZIF BGA64	\$ 595.00
DIL48/QFP100 ZIF PLD-1	Device specific adaptor for Altera EPM7096 in QFP100	\$ 499.00
DIL48/QFP208 ZIF PLD-1	Device specific adaptor for Altera EPM3xxxA / EPM7xxxA/AE/B in PQFP208	\$ 569.00
Module 2708	Device specific module for EPROMs 2708 series and EPROMs TMS2716 series	\$ 185.00

**Some adapters are programmer specific and we recommend checking the software for compatibility prior to ordering**

## 48/48LV/48XP/48UXP Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
GDP-F016-56TS	Device specific adaptor for 56-pin TSOP Intel FLASH 28F016/032S3/S5 devices	\$ 279.00
GDP-SOIC-2801	Device specific adaptor for 28-pin SOIC ST M25P80 devices	\$ 175.00
LVT-128K18-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128K18 devices	\$ 399.00
LVT-128K18-64E	Device specific adaptor for 64-pin EBGA Intel RC28F128K18 devices	\$ 399.00
LVT-128K3-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128K3 devices	\$ 399.00
LVT-128K3-64E	Device specific adaptor for 64-pin EBGA Intel RC28F128/640K3 devices	\$ 399.00
LVT-128W18-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128W18 devices	\$ 399.00
LVT-128W30-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128W30 devices	\$ 399.00
LVT-2240WY-80F	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWY devices	\$ 399.00
LVT-2240WY-80FC	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWY devices	\$ 399.00
LVT-2240WZ-80F	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWZ devices	\$ 399.00
LVT-2240WZ-80FC	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWZ devices	\$ 399.00
LVT-256K18-63VF	Device specific adaptor for 63-pin VFBGA Intel GE28F256K18C devices	\$ 399.00
LVT-256K18-64E	Device specific adaptor for 64-pin EBGA Intel RC28F256K18C devices	\$ 399.00
LVT-256K3-63VF	Device specific adaptor for 63-pin VFBGA Intel GE28F256K3C devices	\$ 399.00
LVT-256K3-64E	Device specific adaptor for 64-pin EBGA Intel RC28F256K3C devices	\$ 399.00
LVT-320D18-56U	Device specific adaptor for 56-pin uBGA Intel 28F320D18 devices	\$ 399.00
LVT-6408W18-80F	Device specific adaptor for 80-pin FBGA Intel 28F6408W18 devices	\$ 399.00
LVT-6408W30-80F	Device specific adaptor for 80-pin UBGA Intel 28F6408W18 CSP FLASH devices	\$ 449.00
LVT-640K18-56U	Device specific adaptor for 56-pin uBGA Intel GE28F640K18C devices	\$ 399.00
LVT-640K3-56U	Device specific adaptor for 56-pin uBGA Intel GE28F640K3C devices	\$ 399.00
LVT-640W18-56U	Device specific adaptor for 56-pin UBGA Intel 28F320/640/128W18 devices	\$ 449.00
LVT-640W30-56U	Device specific adaptor for 56-pin uBGA Intel 28F320 / 640W30 devices	\$ 399.00
LVT-ADS323-48TS	Device specific adaptor for 48-pin TSOP AMD 29DS32X devices	\$ 399.00
LVT-SST400-48WF	Device specific adaptor for 48-pin WFBGA SST 39WF400A devices	\$ 469.00
PLCC-2020-01	Universal adapter for 20-pin DIL to 20-pin PLCC	\$ 119.00
PLCC-2824-03	Device specific adapter for 24-pin DIL to 28-pin PLCC	\$ 139.00
PLCC-2824-04 (DIL24/PLCC28 ZIF PLD-1)	Device specific adaptor for PAL / GAL in PLCC28	\$ 155.00
PLCC-2824-05	Device specific adapter for 24-pin DIL to 28-pin PLCC	\$ 119.00
PLCC-2828	Universal adapter for 28-pin DIL to 28-pin PLCC	\$ 119.00
PLCC-3228 (DIL28/PLCC32 ZIF EPROM)	Device specific adaptor for 28-pins DIL EPROMs in PLCC32	\$ 155.00
PLCC-3232 (DIL32/PLCC32 ZIF)	Universal adapter for devices in PLCC32	\$ 119.00
PLCC-4440-01	Device specific adaptor for 44-pin PLCC 16-bit EPROM	\$ 175.00
PLCC-4440-02	Device specific adaptor for 44-pin PLCC 875X processor	\$ 175.00
QFN-0808-01	Universal adaptor for 8-pin QFN	\$ 695.00
QFN-0808-02	Universal adaptor for 8-pin QFN	\$ 460.00
QFN-1616-01	Device specific adaptor for 16-pin QFN Freescale MC9S08QG8 devices	\$ 399.00
QFN-2424-01	Device specific adaptor for 24-pin QFN Motorola MC68HC908JB8 devices	Call Us
QFN-2828-01	Device specific adaptor for 28-pin QFN Microchip PIC 16F87X family devices	\$ 299.00
QFN-3232-01	Device specific adaptor for 32-pin QFN devices	\$ 399.00
QFN-4444-01	Device specific adaptor for 44-pin QFN Microchip PIC18F4320 devices	\$ 399.00
QFN-4844-01	Device specific adaptor for 48-pin QFN Atmel ATmega16/L devices	\$ 399.00
QFN-6432-01	Device specific adaptor for 64-pin QFN Atmel ATmega128 devices	\$ 399.00
SDP-1024-68	Device specific adaptor for 68-pin PLCC Lattice PLSI1024 devices	\$ 175.00
SDP-1032-84	Device specific adaptor for 84-pin PLCC Lattice PLSI1032/2064 devices	\$ 199.00
SDP-11F1-68	Device specific adaptor for 68-pin PLCC Motorola 68HC11F1 devices	\$ 175.00
SDP-11K1-84	Device specific adaptor for 84-pin PLCC Motorola XC68HC11K1/K4 devices	\$ 199.00
SDP-11L6-68	Device specific adaptor for 68-pin PLCC Motorola MC68HC711L6 devices	\$ 175.00
SDP-1329-64F	Device specific adaptor for 72-pin CSP Sharp LRS1329/1340/1349/1356 devices	\$ 399.00
SDP-1331-64F	Device specific adaptor for 72-pin CSP Sharp LRS1331/37/41/42 / LRS1357/58 / LRS1362/63/64/65	\$ 399.00

## 48/48LV/48XP/48UXP Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
SDP-1800-68	Device specific adaptor for 68-pin PLCC Altera 1800/10/30 devices	\$ 175.00
SDP-1826-64F	Device specific adaptor for 64-pin FBGA Atmel AT52BR3244/48 / Sharp LRS1826	\$ 399.00
SDP-1876-64F	Device specific adaptor for 64-pin FBGA Sharp LRS1876 devices	\$ 399.00
SDP-18J01-64TQ	Device specific adaptor for 64-pin TQFP Microchip PIC18F67J60 devices	Call Us
SDP-196J-68	Device specific adaptor for 68-pin PLCC Intel 87C196KR/KQ/JR devices	\$ 175.00
SDP-196K-68	Device specific adaptor for 68-pin PLCC Intel 87C196KB/KD/KC devices	\$ 175.00
SDP-3108-100Q	Device specific adaptor for 100-pin QFP Xilinx 73108 devices	\$ 269.00
SDP-3108-84	Device specific adaptor for 84-pin PLCC Xilinx 73108 devices	\$ 199.00
SDP-3204-64F	Device specific adaptor for 72-pin CSP Intel RD28F1604/3204 devices	\$ 399.00
SDP-320E-68	Device specific adaptor for 68-pin PLCC TI TMS320E25 devices	\$ 199.00
SDP-3224-100Q	Device specific adaptor for 100-pin QFP ST STV0680 devices	\$ 399.00
SDP-41DL16-69F	Device specific adaptor for 69-pin FBGA AMD 41DL16xxMCP devices	\$ 399.00
SDP-42DL32-73F	Device specific adaptor for 73-pin FBGA AMD 41DL32xxMCP devices	\$ 399.00
SDP-5000-68	Device specific adaptor for 68-pin PLCC Atmel ATV5000/100 devices	\$ 189.00
SDP-5128-68	Device specific adaptor for 68-pin PLCC Altera EPM5128 devices	\$ 189.00
SDP-5192-84	Device specific adaptor for 84-pin PLCC Altera EPM5192/A devices	\$ 229.00
SDP-51RE2-44	Device specific adapter for 44-pin PLCC Atmel AT89C51RE2 devices	\$ 249.00
SDP-51RE2-44TQ	Device specific adapter for 44-pin TQFP Atmel AT89C51RE2 devices	\$ 289.00
SDP-6408-64F	Device specific adaptor for 64-pin uBGA Intel RD28F3208C3B/T/6408J3A devices	\$ 399.00
SDP-6811-52B	Device specific adaptor for 52-pin PLCC Motorola 68HC11A1/E9/E1/E2 / 68HC711E9/E20	\$ 229.00
SDP-705B-52	Device specific adaptor for 52-pin PLCC Motorola 68705B5/B16/B32 devices	\$ 175.00
SDP-705X-64Q	Device specific adaptor for 64-pin PQFP Motorola 68HC705X32 devices	\$ 249.00
SDP-7064-100Q	Device specific adaptor for 100-pin QFP Altera EPM7064 devices	\$ 269.00
SDP-7064-68	Device specific adaptor for 68-pin PLCC Altera EPM7064/96 devices	\$ 179.00
SDP-7064-84	Device specific adaptor for 84-pin PLCC Altera EPM7064/96 devices	\$ 229.00
SDP-7096-100Q	Device specific adaptor for 100-pin QFP Altera EPM7096 devices	\$ 269.00
SDP-7128-100Q	Device specific adaptor for 100-pin QFP Altera EPM7128/E devices	\$ 269.00
SDP-7128-84	Device specific adaptor for 84-pin PLCC Altera EPM7128/E devices	\$ 229.00
SDP-7160-100Q	Device specific adaptor for 100-pin QFP Altera EPM7160/E devices	\$ 269.00
SDP-7160-84	Device specific adaptor for 84-pin PLCC Altera EPM7160/E devices	\$ 229.00
SDP-7272-68	Device specific adaptor for 68-pin PLCC Xilinx 7272 devices	\$ 189.00
SDP-7272-84	Device specific adaptor for 84-pin PLCC Xilinx 7272 devices	\$ 229.00
SDP-7354-68	Device specific adaptor for 68-pin PLCC Xilinx 7354 devices	\$ 175.00
SDP-7372-68	Device specific adaptor for 68-pin PLCC Xilinx 7372 devices	\$ 189.00
SDP-7552-68	Device specific adaptor for 68-pin PLCC Philips 87C552 devices	\$ 175.00
SDP-7592-68	Device specific adaptor for 68-pin PLCC Philips 87C592 devices	\$ 189.00
SDP-908AS-52	Device specific adaptor for 52-pin PLCC Motorola 68HC908AS devices	\$ 249.00
SDP-908AZ-64Q	Device specific adaptor for 64-pin QFP Motorola MC68HC908AZ60 devices	\$ 279.00
SDP-95108-100Q	Device specific adaptor for 100-pin QFP Xilinx XC95108 devices	\$ 229.00
SDP-95108-84	Device specific adaptor for 84-pin PLCC Xilinx XC95108 devices	\$ 199.00
SDP-9572-84	Device specific adaptor for 84-pin PLCC Xilinx XC9572 devices	\$ 199.00
SDP-96MH-84	Device specific adaptor for 84-pin PLCC Intel 87C196MH/MC devices	\$ 199.00
SDP-A128M-64E	Device specific adaptor for 64-pin EBGA AMD 29LV128MH/L / 29LV640MH/L devices	\$ 399.00
SDP-A160-48F	Device specific adaptor for 48-pin FBGA AMD 29LV160 devices	\$ 329.00
SDP-A256M-56TS	Device specific adaptor for 56-pin TSOP AMD AM29LV256MH/L devices	\$ 229.00
SDP-A320-48F	Device specific adaptor for 48-pin uFBGA AMD 29DL32X devices	\$ 399.00
SDP-A320-63F	Device specific adaptor for 63-pin FBGA AMD 29DL32X devices	\$ 399.00
SDP-A640-48F	Device specific adaptor for 48-pin FBGA AMD 29DL640D devices	\$ 399.00
SDP-A642-64E	Device specific adaptor for 64-pin EBGA AMD 29LV642D devices	\$ 399.00
SDP-A800-48F	Device specific adaptor for 48-pin FBGA AMD 29LV800 devices	\$ 329.00
SDP-AD816-52Q	Device specific adaptor for 52-pin QFP Analog Devices AduC812/816 devices	\$ 249.00
SDP-AT128-64TQ	Device specific adaptor for 64-pin TQFP Atmel ATmega64/128 devices	\$ 249.00
SDP-AT1614-48F	Device specific adaptor for 48-pin FBGA Atmel AT49BV1614T devices	Call Us
SDP-AT640-64E	Device specific adaptor for 64-pin EBGA Atmel AT46BV640S devices	Call Us
SDP-AT91S-64TQ	Device specific adaptor for 64-pin TQFP Atmel AT91SAM7S64/128/256 devices	\$ 249.00
SDP-AX110-128LQ	Device specific adaptor for 128-pin LQFP ASIX AX11015 devices	\$ 399.00
SDP-BL802-56SS	Device specific adaptor for 56-pin SSOP AMD 29BL802C/162C devices	\$ 249.00
SDP-C374-84	Device specific adaptor for 84-pin PLCC Cypress CY7C373/374 devices	\$ 199.00
SDP-C508-64	Device specific adaptor for 64-pin QFP Infineon C508-4E devices	\$ 249.00
SDP-C508-64Q	Device specific adaptor for 64-pin QFP Infineon C508-4E devices	\$ 249.00
SDP-C515-80Q	Device specific adaptor for 80-pin QFP Siemens C515/C505L devices	\$ 249.00
SDP-C530-52	Device specific adaptor for 52-pin PLCC Dallas 87C530 devices	\$ 189.00
SDP-C752-68	Device specific adaptor for 68-pin PLCC PIC 17C752/6 devices	\$ 189.00
SDP-C923-64TQ	Device specific adaptor for 64-pin TQFP PIC16C923/4 devices	\$ 249.00
SDP-C923-68	Device specific adaptor for 68-pin PLCC Microchip PIC 16C923/924 devices	\$ 175.00
SDP-D641-52TS/W	Device specific adaptor for 52-pin TSOP Mitsubishi M6MGT321S4TP/641S8TP devices	\$ 249.00
SDP-EBGA-001	Device specific adaptor for 64-pin EBGA Intel 28F800/160/320F3/C3 devices	\$ 399.00
SDP-EBGA-002	Device specific adaptor for 64-pin Easy EBGA Intel 28F320/640/128J3A devices	\$ 399.00
SDP-EBGA-003	Device specific adaptor for 64-pin EBGA Intel 28F128J3C devices	\$ 399.00
SDP-EBGA-004	Device specific adaptor for 64-pin EBGA Intel RC28F256J3C devices	\$ 399.00
SDP-F016-56TS	Device specific adaptor for 56-pin TSOP Intel FLASH 28F016SV devices	\$ 279.00
SDP-F1316-64F	Device specific adaptor for 72-pin FBGA Sharp LRS1306/1316A devices	\$ 399.00

## 48/48LV/48XP/48UXP Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
SDP-F160-56SS	Device specific adaptor for 56-pin SSOP Intel FLASH 28F016F3 devices	\$ 249.00
SDP-F2108-56F	Device specific adaptor for 56-pin FBGA Fujitsu 84VD2108X MCP devices	\$ 399.00
SDP-F2228-56F	Device specific adaptor for 56-pin FBGA Fujitsu MB84VD22280/90FE devices	\$ 399.00
SDP-F2228-56F	Device specific adaptor for 56-pin FBGA Fujitsu MB84VD22280/90FE devices	\$ 399.00
SDP-F2238-56F	Device specific adaptor for 56-pin FBGA Fujitsu MB84VD2238X/39X EF/J	\$ 530.00
SDP-F256-80F	Device specific adaptor for 80-pin FBGA Intel RD28F256SJ3AM / RD28F192SJ3AM / RD28F128SJ3AM devices	\$ 399.00
SDP-F320-56SS	Device specific adaptor for 56-pin SSOP Intel 28F160/320S3/S5 devices	\$ 249.00
SDP-F400-56TS	Device specific adaptor for 56-pin TSOP Intel 28F200/400 devices	\$ 279.00
SDP-F554-96F	Device specific adaptor for 96-pin FBGA Fujitsu MB84VF5F5F4J2 devices	\$ 399.00
SDP-H338-84	Device specific adaptor for 84-pin PLCC Hitachi H8/338 / HD6473388 devices	\$ 199.00
SDP-H532-84	Device specific adaptor for 84-pin PLCC Hitachi H8/532 / HD6475328	\$ 199.00
SDP-I320-48U	Device specific adaptor for 48-pin uBGA Intel 28F320B3/C3 / 28F160B3/C3 devices	\$ 279.00
SDP-I320-48VF	Device specific adaptor for 48-pin VFBGA Intel 28F160C3C / 28F320B3C/C3C devices	\$ 399.00
SDP-I512P3-56TS	Device specific adaptor for 56-pin TSOP Intel TE28F256Pxxx devices	\$ 249.00
SDP-I640-48VF	Device specific adaptor for 48-pin VFBGA Intel GE28F640C3 devices	\$ 399.00
SDP-M120-68	Device specific adaptor for 68-pin PLCC MACH 12X/22X devices	\$ 199.00
SDP-M130-84	Device specific adaptor for 84-pin PLCC MACH 13X/23X/435 / M4/128 devices	\$ 229.00
SDP-M131-100Q	Device specific adaptor for 100-pin QFP AMD MACH 131/231SP devices	\$ 269.00
SDP-M157-52TS/W	Device specific adaptor for 52-pin TSOP Mitsubishi M5M29KE-157MT devices	\$ 329.00
SDP-MF00-783A	Device specific adaptor for 100-pin QFP Fujitsu MB91F109 devices	\$ 645.00
SDP-MT322-48U	Device specific adaptor for 48-pin uBGA Micron MT28F322P3FJ stack flash devices	Call Us
SDP-MX128D-64E	Device specific adaptor for 64-pin EBGA Macronix M29LA128DB/DT / Numonyx M29W640GB/T/H/L	\$ 565.00
SDP-N213X-64LQ	Device specific adaptor for 64-pin LQFP NXP P89LPC2131/2132/2134/2136/2138	\$ 325.00
SDP-PIC-20SS/200	Device specific adaptor for 20-pin SSOP Microchip PIC MCU	\$ 189.00
SDP-PIC18X-64TQ	Device specific adaptor for 64-pin TQFP Microchip PIC18F6X20 MCU devices	\$ 249.00
SDP-R21256-52LQ	Device specific adaptor for 52-pin LQFP Renesas R5F21256SNFP devices	\$ 399.00
SDP-RT2120-44	Device specific adaptor for 44-pin PLCC Realtek RTD2120S devices	\$ 299.00
SDP-RT2120-48LQ	Device specific adaptor for 48-pin LQFP Realtek RTD2120L devices	\$ 399.00
SDP-S064J-56F	Device specific adaptor for 56-pin FBGA Spansion S71PL032J / 064J devices	\$ 399.00
SDP-S127J-56TS	Device specific adaptor for 56-pin TSOP Spansion 29PL127J devices	\$ 249.00
SDP-SL3208-64F	Device specific adaptor for 64-pin FBGA SILICON7 SV4F16XX/32XX devices	\$ 399.00
SDP-SSK5A3-56F	Device specific adaptor for 56-pin FBGA Samsung K5A3x80YT/B devices	\$ 399.00
SDP-SST1621-56F	Device specific adaptor for 56-pin FBGA SST 34HF1621/1601 devices	\$ 399.00
SDP-SST800-48F	Device specific adaptor for 48-pin FBGA SST39VF800 / 160 devices	\$ 399.00
SDP-ST064-56TS	Device specific adaptor for 56-pin TSOP ST 58LW064A devices	\$ 249.00
SDP-ST160-48VF	Device specific adaptor for 48-pin VFBGA ST M28W160CT/B devices	\$ 399.00
SDP-ST320-48U	Device specific adaptor for 48-pin UPGA ST28W320CT devices	\$ 399.00
SDP-ST320-48VF	Device specific adaptor for 48-pin VFBGA ST M28W320CT/B devices	\$ 399.00
SDP-TH1282-48F	Device specific adaptor for 48-pin FBGA Toshiba TC581282AXB/58FYM6 devices	\$ 399.00
SDP-UNIV-16/TS	Universal adaptor for 16-pin TSOP devices	\$ 175.00
SDP-UNIV-16SO (DIL16W/SOIC16 ZIF 150mil)	Universal adaptor for SOIC devices up to 16-pins	\$ 119.00
SDP-UNIV-16SO/173	Universal adaptor for 8 - 16-pin SOIC devices	\$ 175.00
SDP-UNIV-16SO/O	Universal adaptor for 8 - 16-pin SOIC devices	\$ 149.00
SDP-UNIV-20SO	Universal adaptor for 20-pin SOIC devices	\$ 175.00
SDP-UNIV-20SO/200	Universal adaptor for 20-pin SOIC devices	\$ 175.00
SDP-UNIV-24SS/150	Universal adaptor for 24-pin SSOP devices	\$ 175.00
SDP-UNIV-28SO/300	Universal adaptor for 28-pin SOIC devices	\$ 175.00
SDP-UNIV-28SS/200	Universal adaptor for 28-pin SSOP devices	\$ 175.00
SDP-UNIV-28TS	Universal adaptor for 28-pin TSOP devices	\$ 175.00
SDP-UNIV-28TSS/170	Universal adaptor for 28-pin TSSOP devices	\$ 229.00
SDP-UNIV-32TQ	Universal adaptor for 32-pin TQFP devices	\$ 249.00
SDP-UNIV-32TS (DIL32/TSOP32 ZIF 18.4mm Flash)	Universal adaptor for TSOP devices with 32-pins	\$ 235.00
SDP-UNIV-32TS/W	Universal adaptor for 32-pin TSOP devices	\$ 175.00
SDP-UNIV-40TS	Universal adaptor for 40-pin TSOP devices	\$ 229.00
SDP-UNIV-40TS/W	Universal adaptor for 40-pin TSOP devices	\$ 169.00
SDP-UNIV-40TSS	Universal adaptor for 40-pin TSSOP devices	\$ 229.00
SDP-UNIV-42SD	Universal adaptor for 42-pin Shrink DIP devices	\$ 159.00
SDP-UNIV-44 (DIL44/PLCC44 ZIF)	Universal adaptor for 44-pin PLCC devices	\$ 119.00
SDP-UNIV-44C	Universal adaptor for 44-pin PLCC devices	\$ 150.00
SDP-UNIV-44PSO	Universal adaptor for 44-pin PSOP devices	\$ 279.00
SDP-UNIV-44Q	Universal adaptor for 44-pin QFP devices	\$ 229.00
SDP-UNIV-44TQ	Universal adaptor for 44-pin Thin QFP devices	\$ 229.00
SDP-UNIV-44TS	Universal adaptor for 44-pin TSOP devices	\$ 229.00
SDP-UNIV-48LQ	Universal adaptor for 48-pin LQFP devices	\$ 299.00
SDP-UNIV-48SS/300	Universal adaptor for 48-pin SSOP devices	\$ 279.00
SDP-UNIV-48TS	Universal adaptor for 48-pin TSOP devices	\$ 299.00
SDP-UNIV-48TS/W	Universal adaptor for 48-pin TSOP devices	\$ 279.00
SDP-UNIV-48TSS	Universal adaptor for 48-pin TSSOP devices	\$ 299.00
SDP-WT802-48LQ	Device specific adapter for 48-pin LQFP Weltrend WT61P802 devices	\$ 299.00

Some adapters are programmer specific and we recommend checking the software for compatibility prior to ordering

## 848/848XP Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
GDP-1305-48TSS	Device specific adaptor for 48-pin TSSOP Sharp LRS1305 devices	\$ 279.00
GDP-130X-48TSS	Device specific adaptor for 48-pin TSSOP Sharp LRS1305 devices	\$ 149.00
GDP-1611-48TS	Device specific adaptor for 48-pin TSOP Macronix MX29L1611 devices	\$ 149.00
GDP-DIP-001	Device specific adaptor for Motorola HC705P6/A / HC705P9 / Atmel AT90S44xx / AT90S85xx devices	\$ 149.00
GDP-DIP-002	Device specific adaptor for Altera EPC1/2 / Atmel 17Cxxx / 17LVxxx PROM devices	\$ 149.00
GDP-DIP-003	Device specific adaptor for PIC 16C64/5A/5B/7 / 16C74A / 16C77/774 / 17LVxxx PROM devices	\$ 149.00
GDP-DIP-006	Device specific adaptor for DIP Atmel ATmega48 devices	\$ 149.00
GDP-DIP-008	Device specific adaptor for DIP SUNPLUS SPHE6400A devices	\$ 149.00
GDP-DIP-009	Device specific adaptor for DIP Freescale MC68HC908QY4 devices	\$ 149.00
GDP-F016-56TS	Device specific adaptor for 56-pin TSOP Intel FLASH 28F016/032S3/S5 devices	\$ 279.00
GDP-F320-56SS	Device specific adaptor for 56-pin SSOP Intel 28F320/640/128J5/J3 devices	\$ 249.00
GDP-F640-56TS	Device specific adaptor for 56-pin TSOP Intel 28F320/640J5/J3 devices	\$ 249.00
GDP-MSOP-0801	Device specific adaptor for 8-pin MSOP Microchip 24AA32A / 24LC32A devices	\$ 99.00
GDP-PLCC-2801	Device specific adaptor for 28-pin PLCC Philips 89LPC932 devices	\$ 175.00
GDP-PLCC-4401	Device specific adaptor for 44-pin PLCC Motorola 68HC705C8/A devices	\$ 175.00
GDP-PLCC-4401C	Device specific adaptor for 44-pin PLCC Motorola 68HC705C8/A devices	\$ 249.00
GDP-PLCC-4402	Device specific adaptor for 44-pin PLCC PIC devices	\$ 129.00
GDP-PLCC-4403	Device specific adaptor for 44-pin PLCC Myson MTV312M64/512 devices	\$ 175.00
GDP-QFN-0801	Device specific adaptor for 8-pin QFN ST M25P80	\$ 695.00
GDP-QFN-0802	Device specific adaptor for 8-pin QFN Macronix MX25L6405D	\$ 460.00
GDP-QFN-0805	Device specific adaptor for 8-pin QFN Atmel AT45DB011D/021D/041D/081D/161D/321D	\$ 695.00
GDP-QFN-0806	Device specific adaptor for 8-pin QFN Atmel AT45DB081B/161B/321D/642D	\$ 460.00
GDP-QFN-3201	Device specific adaptor for 32-pin QFN Atmel ATmega48/88/168(V) devices	\$ 530.00
GDP-QFN-4801	Device specific adaptor for 48-pin QFN Atmel ATmega16/L devices	\$ 299.00
GDP-SDIP-4201	Device specific adaptor for 42-pin Shrink DIP Myson MTV312M64/512 devices	Call Us
GDP-SOIC-1601	Device specific adaptor for 16-pin SOIC PIC12F629/675 devices	\$ 175.00
GDP-SOIC-1602	Device specific adaptor for 16-pin SOIC ST M25P10/20/40 devices	\$ 175.00
GDP-SOIC-1604	Device specific adaptor for 16-pin SOIC ST M25P10/20/40 devices	\$ 175.00
GDP-SOIC-1605	Device specific adaptor for 16-pin SOIC Microchip 93LC66 devices	\$ 175.00
GDP-SOIC-1606	Device specific adaptor for 16-pin SOIC Atmel AT45DB011D/021D/041D/081D	\$ 215.00
GDP-SOIC-2002	Device specific adaptor for 20-pin SOIC Atmel AT24C32/64	\$ 215.00
GDP-SOIC-2003	Device specific adaptor for 20-pin SOIC ST M25P80 devices	\$ 175.00
GDP-SOIC-2004	Device specific adaptor for 20-pin SOIC Freescale MC68HC908QY4 devices	\$ 175.00
GDP-SOIC-2005	Device specific adaptor for 20-pin SOIC Microchip 93AA46/56/66	\$ 215.00
GDP-SOIC-2006	Device specific adaptor for 20-pin SOIC Atmel AT45DB011D/021D/041D/081D/161D/321D	\$ 175.00
GDP-SOIC-2801	Device specific adaptor for 28-pin SOIC ST M25P80 devices	\$ 175.00
GDP-SOIC-2802	Device specific adaptor for 28-pin SOIC SyncMOS SM894051 devices	\$ 175.00
GDP-SOIC-2803	Device specific adaptor for 28-pin SOIC Freescale MC68HC908QY2/QY4 devices	\$ 175.00
GDP-SSOP-2801	Device specific adaptor for 28-pin SSOP Weltrend WT6702F devices	\$ 299.00
GDP-ST064-48TS	Device specific adaptor for 48-pin TSOP STM29KW016/032/064 devices	\$ 249.00
GDP-TQFP-3201	Device specific adaptor for 32-pin TQFP Atmel ATtiny8/48 devices	\$ 249.00
GDP-TQFP-4401	Device specific adaptor for 44-pin TQFP Motorola 68HC705C8/A44 devices	\$ 279.00
GDP-TQFP-4402	Device specific adaptor for 44-pin TQFP Microchip 18F4320 devices	\$ 289.00
GDP-TQFP-4403	Device specific adaptor for 44-pin TQFP Atmel AT89C51AC2 devices	\$ 289.00
GDP-TQFP-4404	Device specific adaptor for 44-pin TQFP Weltrend WT61P8 devices	\$ 289.00
GDP-TSOP-2801	Device specific adaptor for 28-pin TSOP Atmel AT45DB161B/081B devices	\$ 249.00
GDP-TSOP-2802	Device specific adaptor for 28-pin TSOP Atmel AT45DB021B/041B/081B/161B/161D/321D/642D	\$ 245.00
GDP-TSOP-3201	Device specific adaptor for 32-pin TSOP Atmel AT45DB321B devices	\$ 175.00
GDP-TSSOP-1601	Device specific adaptor for 16-pin TSSOP Microchip 24LC512 devices	\$ 175.00
GDP-TSSOP-1602	Device specific adaptor for 16-pin TSSOP Microchip 25LC080 devices	\$ 175.00
GDP-TSSOP-2801	Device specific adaptor for 28-pin TSSOP Philips 89LPC932 devices	\$ 175.00
GDP-TSSOP-2802	Device specific adaptor for 28-pin TSSOP Atmel AT93Cxx / Catalyst CAT93Cxx devices	\$ 175.00
LVT-128K18-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128K18 devices	\$ 399.00
LVT-128K18-64E	Device specific adaptor for 64-pin EBGA Intel RC28F128K18 devices	\$ 399.00
LVT-128K3-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128K3 devices	\$ 399.00
LVT-128K3-64E	Device specific adaptor for 64-pin EBGA Intel RC28F128/640K3 devices	\$ 399.00
LVT-128W18-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128W18 devices	\$ 399.00
LVT-128W30-56U	Device specific adaptor for 56-pin uBGA Intel GE28F128W30 devices	\$ 399.00
LVT-2240WY-80F	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWY devices	\$ 399.00
LVT-2240WY-80FC	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWY devices	\$ 399.00
LVT-2240WZ-80F	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWZ devices	\$ 399.00
LVT-2240WZ-80FC	Device specific adaptor for 80-pin FBGA Intel RD38FxxxxWZ devices	\$ 399.00
LVT-256K18-63VF	Device specific adaptor for 63-pin VFBGA Intel GE28F256K18C devices	\$ 399.00
LVT-256K18-64E	Device specific adaptor for 64-pin EBGA Intel RC28F256K18C devices	\$ 399.00
LVT-256K3-63VF	Device specific adaptor for 63-pin VFBGA Intel GE28F256K3C devices	\$ 399.00
LVT-256K3-64E	Device specific adaptor for 64-pin EBGA Intel RC28F256K3C devices	\$ 399.00
LVT-320D18-56U	Device specific adaptor for 56-pin uBGA Intel 28F320D18 devices	\$ 399.00
LVT-4050LY-80F	Device specific adaptor for 80-pin FBGA Intel RD38F4050L0YB/T devices	\$ 399.00
LVT-4050LZ-80F	Device specific adaptor for 80-pin FBGA Intel RD38F4050L0ZB/T devices	\$ 399.00

# 848/848XP Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
LVT-6408W18-80F	Device specific adaptor for 80-pin FBGA Intel 28F6408W18 devices	\$ 399.00
LVT-6408W30-80F	Device specific adaptor for 80-pin UBGA Intel 28F6408W18 CSP FLASH devices	\$ 449.00
LVT-640K18-56U	Device specific adaptor for 56-pin uBGA Intel GE28F640K18C devices	\$ 399.00
LVT-640K3-56U	Device specific adaptor for 56-pin uBGA Intel GE28F640K3C devices	\$ 399.00
LVT-640W18-56U	Device specific adaptor for 56-pin UBGA Intel 28F320/640/128W18 devices	\$ 449.00
LVT-640W30-56U	Device specific adaptor for 56-pin uBGA Intel 28F320 / 640W30 devices	\$ 399.00
LVT-ADS323-48TS	Device specific adaptor for 48-pin TSOP AMD 29DS32X devices	\$ 399.00
LVT-MT6428-64F	Device specific adaptor for 64-pin FBGA Micron MT28C6428P20/P18 devices	\$ 399.00
LVT-NEC6411-85F	Device specific adaptor for 85-pin FBGA NEC uPD29F064115F9 devices	\$ 399.00
LVT-S064J-80F	Device specific adaptor for 80-pin FBGA Spansion S71WS064JB0B0FW2Y devices	\$ 399.00
LVT-ST432-64F	Device specific adaptor for 64-pin FBGA ST M36DR432A/B devices	\$ 399.00
PLCC-2020-01	Universal adapter for 20-pin DIL to 20-pin PLCC	\$ 119.00
PLCC-3232 (DIL32/PLCC32 ZIF)	Universal adapter for devices in PLCC32	\$ 119.00
PLCC-4440-01	Device specific adaptor for 44-pin PLCC 16-bit EPROM	\$ 175.00
PLCC-4440-02	Device specific adaptor for 44-pin PLCC 875X processor	\$ 175.00
QFN-2828-01	Device specific adaptor for 28-pin QFN Microchip PIC 16F87X family devices	\$ 299.00
QFN-4444-01	Device specific adaptor for 44-pin QFN Microchip PIC18F4320 devices	\$ 399.00
QFN-6432-01	Device specific adaptor for 64-pin QFN Atmel ATmega128 devices	\$ 399.00
SDP-1329-64F	Device specific adaptor for 72-pin CSP Sharp LRS1329/1340/1349/1356 devices	\$ 399.00
SDP-1331-64F	Device specific adaptor for 72-pin CSP Sharp LRS1331/37/41/42 / LRS1357/58 / LRS1362/63/64/65	\$ 399.00
SDP-1826-64F	Device specific adaptor for 64-pin FBGA Atmel AT52BR3244/48 / Sharp LRS1826	\$ 399.00
SDP-3204-64F	Device specific adaptor for 72-pin CSP Intel RD28F1604/3204 devices	\$ 399.00
SDP-3224-100Q	Device specific adaptor for 100-pin QFP ST STV0680 devices	\$ 399.00
SDP-41DL16-69F	Device specific adaptor for 69-pin FBGA AMD 41DL16xxMCP devices	\$ 399.00
SDP-42DL32-73F	Device specific adaptor for 73-pin FBGA AMD 41DL32xxMCP devices	\$ 399.00
SDP-49PDL64-73F	Device specific adaptor for 73-pin FBGA AMD Am49PDL640AG devices	\$ 399.00
SDP-6408-64F	Device specific adaptor for 64-pin uBGA Intel RD28F3208C3B/T/6408J3A devices	\$ 399.00
SDP-A128M-64E	Device specific adaptor for 64-pin EBGA AMD 29LV128MH/L / 29LV640MH/L devices	\$ 399.00
SDP-A160-48F	Device specific adaptor for 48-pin FBGA AMD 29LV160 devices	\$ 329.00
SDP-A256M-56TS	Device specific adaptor for 56-pin TSOP AMD AM29LV256MH/L devices	\$ 229.00
SDP-A320-48F	Device specific adaptor for 48-pin uFBGA AMD 29DL32X devices	\$ 399.00
SDP-A320-63F	Device specific adaptor for 63-pin FBGA AMD 29DL32X devices	\$ 399.00
SDP-A640-48F	Device specific adaptor for 48-pin FBGA AMD 29DL640D devices	\$ 399.00
SDP-A642-64E	Device specific adaptor for 64-pin EBGA AMD 29LV642D devices	\$ 399.00
SDP-A800-48F	Device specific adaptor for 48-pin FBGA AMD 29LV800 devices	\$ 329.00
SDP-AT128-64TQ	Device specific adaptor for 64-pin TQFP Atmel ATmega64/128 devices	\$ 249.00
SDP-AT1614-48F	Device specific adaptor for 48-pin FBGA Atmel AT49BV1614T devices	Call Us
SDP-AT640-64E	Device specific adaptor for 64-pin EBGA Atmel AT46BV640S devices	Call Us
SDP-AX110-128LQ	Device specific adaptor for 128-pin LQFP ASIX AX11015 devices	\$ 399.00
SDP-AX110-80LQ	Device specific adaptor for 80-pin LQFP ASIX AX11001/11005 devices	\$ 399.00
SDP-C508-64	Device specific adaptor for 64-pin QFP Infineon C508-4E devices	\$ 249.00
SDP-C923-68	Device specific adaptor for 68-pin PLCC Microchip PIC 16C923/924 devices	\$ 175.00
SDP-D641-52TS/W	Device specific adaptor for 52-pin TSOP Mitsubishi M6MGT31S4TP/641S8TP devices	\$ 249.00
SDP-EBGA-001	Device specific adaptor for 64-pin EBGA Intel 28F800/160/320F3/C3 devices	\$ 399.00
SDP-EBGA-002	Device specific adaptor for 64-pin Easy EBGA Intel 28F320/640/128J3A devices	\$ 399.00
SDP-EBGA-003	Device specific adaptor for 64-pin EBGA Intel 28F128J3C devices	\$ 399.00
SDP-EBGA-004	Device specific adaptor for 64-pin EBGA Intel RC28F256J3C devices	\$ 399.00
SDP-F1316-64F	Device specific adaptor for 72-pin FBGA Sharp LRS1306/1316A devices	\$ 399.00
SDP-F160-56SS	Device specific adaptor for 56-pin SSOP Intel FLASH 28F016F3 devices	\$ 249.00
SDP-F2108-56F	Device specific adaptor for 56-pin FBGA Fujitsu 84VD2108X MCP devices	\$ 399.00
SDP-F2238-56F	Device specific adaptor for 56-pin FBGA Fujitsu MB84VD2238X/39X EF/J	\$ 530.00
SDP-F256-80F	Device specific adaptor for 80-pin FBGA Intel RD28F256SJ3AM / RD28F192SJ3AM / RD28F128SJ3AM devices	\$ 399.00
SDP-F320-56SS	Device specific adaptor for 56-pin SSOP Intel 28F160/320S3/S5 devices	\$ 249.00
SDP-F554-96F	Device specific adaptor for 96-pin FBGA Fujitsu MB84VF5F5F4J2 devices	\$ 399.00
SDP-i320-48U	Device specific adaptor for 48-pin uBGA Intel 28F320B3/C3 / 28F160B3/C3 devices	\$ 279.00
SDP-i320-48VF	Device specific adaptor for 48-pin VFBGA Intel 28F160C3C / 28F320B3C/C3C devices	\$ 399.00
SDP-i512P3-56TS	Device specific adaptor for 56-pin TSOP Intel TE28F256Pxxx devices	\$ 249.00
SDP-i640-48VF	Device specific adaptor for 48-pin VFBGA Intel GE28F640C3 devices	\$ 399.00
SDP-M157-52TS/W	Device specific adaptor for 52-pin TSOP Mitsubishi M5M29KE-157MT devices	\$ 329.00
SDP-MF00-783A	Device specific adaptor for 100-pin QFP Fujitsu MB91F109 devices	\$ 645.00
SDP-MT322-48U	Device specific adaptor for 48-pin uBGA Micron MT28F322P3FJ stack flash devices	Call Us
SDP-MX128D-64E	Device specific adaptor for 64-pin EBGA Macronix M29LA128DB/DT / Numonyx M29W640GB/T/H/L	\$ 565.00
SDP-N213X-64LQ	Device specific adaptor for 64-pin LQFP NXP P89LPC2131/2132/2134/2136/2138	\$ 325.00
SDP-PIC18-28SO	Device specific adaptor for 28-pin SOIC Microchip PIC18F24J10 devices	\$ 175.00
SDP-R21256-52LQ	Device specific adaptor for 52-pin LQFP Renesas R5F21256SNFP devices	\$ 399.00
SDP-RT2120-44	Device specific adaptor for 44-pin PLCC Realtek RTD2120S devices	\$ 299.00
SDP-RT2120-48LQ	Device specific adaptor for 48-pin LQFP Realtek RTD2120L devices	\$ 399.00
SDP-S064J-56F	Device specific adaptor for 56-pin FBGA Spansion S71PL032J / 064J devices	\$ 399.00
SDP-S160-48U	Device specific adaptor for 48-pin uBGA Sharp 28F160BJHG-BTL90	\$ 399.00
SDP-SDA555-52SD	Device specific adaptor for 52-pin TSOP Micronas SDA555XFL devices	\$ 199.00
SDP-SL3208-64F	Device specific adaptor for 64-pin FBGA SILICON7 SV4F16XX/32XX devices	\$ 399.00

## 848/848XP Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
SDP-SSK5A3-56F	Device specific adaptor for 56-pin FBGA Samsung K5A3x80YT/B devices	\$ 399.00
SDP-SST1621-56F	Device specific adaptor for 56-pin FBGA SST 34HF1621/1601 devices	\$ 399.00
SDP-SST800-48F	Device specific adaptor for 48-pin FBGA SST39VF800 / 160 devices	\$ 399.00
SDP-ST064-56TS	Device specific adaptor for 56-pin TSOP ST 58LW064A devices	\$ 249.00
SDP-ST160-48VF	Device specific adaptor for 48-pin VFBGA ST M28W160CT/B devices	\$ 399.00
SDP-ST320-48U	Device specific adaptor for 48-pin UBGA ST28W320CT devices	\$ 399.00
SDP-ST320-48VF	Device specific adaptor for 48-pin VFBGA ST M28W320CT/B devices	\$ 399.00
SDP-TH1282-48F	Device specific adaptor for 48-pin FBGA Toshiba TC581282AXB/58FYM6 devices	\$ 399.00
SDP-TH2580-56F	Device specific adaptor for 56-pin FBGA Toshiba TH50VSF2580/1AASB devices	\$ 399.00
SDP-TH5782-60F	Device specific adaptor for 60-pin FBGA Toshiba TH50VPF5782/83AASB devices	\$ 399.00
SDP-UNIV-28SO/300	Universal adaptor for 28-pin SOIC devices	\$ 175.00
SDP-UNIV-32TS (DIL32/TSOP32 ZIF 18.4mm Flash)	Universal adaptor for TSOP devices with 32-pins	\$ 235.00
SDP-UNIV-32TS/W	Universal adaptor for 32-pin TSOP devices	\$ 175.00
SDP-UNIV-40TS	Universal adaptor for 40-pin TSOP devices	\$ 229.00
SDP-UNIV-40TS/W	Universal adaptor for 40-pin TSOP devices	\$ 169.00
SDP-UNIV-44 (DIL44/PLCC44 ZIF)	Universal adaptor for 44-pin PLCC devices	\$ 119.00
SDP-UNIV-44C	Universal adaptor for 44-pin PLCC devices	\$ 150.00
SDP-UNIV-44PSO	Universal adaptor for 44-pin PSOP devices	\$ 279.00
SDP-UNIV-44Q	Universal adaptor for 44-pin QFP devices	\$ 229.00
SDP-UNIV-44TQ	Universal adaptor for 44-pin Thin QFP devices	\$ 229.00
SDP-UNIV-44TS	Universal adaptor for 44-pin TSOP devices	\$ 229.00
SDP-UNIV-48TS	Universal adaptor for 48-pin TSOP devices	\$ 299.00
SDP-UNIV-48TS/W	Universal adaptor for 48-pin TSOP devices	\$ 279.00
SDP-UNIV-48TSS	Universal adaptor for 48-pin TSSOP devices	\$ 299.00
SDP-WT802-48LQ	Device specific adapter for 48-pin LQFP Weltrend WT61P802 devices	\$ 299.00
Option-1	8 x SDP-UNIV-48TS universal adaptors for 48-pin TSOP devices	Call Us
Option-2	8 x SDP-UNIV-40TS universal adaptors for 40-pin TSOP devices	Call Us
Option-3	8 x SDP-UNIV-44PSO universal adaptors for 44-pin PSOP devices	Call Us
Option-4	8 x PLCC-3232 (DIL32/PLCC32 ZIF) universal adaptors for devices in PLCC32	Call Us
Option-X	Consists of Options 1, 2, 3 and 4	Call Us

**Some adapters are programmer specific and we recommend checking the software for compatibility prior to ordering**

## MEMPro/PIKPro/T51Pro Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
BGA-Bottom-57	Bottom board of BGA adaptor for Atmel AT89C51SND2C with balls in matrix 10x10	\$ 280.00
BGA-Top-94 ZIF	Top board of BGA adaptor for ZIF BGA100	\$ 495.00
DIL14/SOIC14 ZIF 150mil	Universal adaptor for SOIC devices up to 14-pins	\$ 125.00
DIL14W/SOIC14 ZIF 150mil	Universal adaptor for SOIC devices up to 14-pins	\$ 119.00
DIL14W/TSSOP14 ZIF 170mil	Universal adaptor for TSSOP devices up to 14-pins	\$ 219.00
DIL16/SOIC16-1 ZIF 170mil	Universal adaptor for SOIC devices up to 16-pins	\$ 265.00
DIL16W/SOIC16 ZIF 150mil	Universal adaptor for SOIC devices up to 16-pins	\$ 119.00
DIL16W/TSSOP16 ZIF 170mil	Universal adaptor for TSSOP devices up to 16-pins	\$ 219.00
DIL18W/SOIC18 ZIF 300mil	Universal adaptor for 300mil SOIC devices up to 18-pins	\$ 119.00
DIL20/PLCC20 ZIF	Universal adaptor for devices in PLCC20	\$ 155.00
DIL20/QFN20-1 ZIF-CS	Universal adaptor for devices in QFN20 / MLP20	\$ 339.00
DIL20/SOIC20 ZIF 300mil	Universal adaptor for SOIC devices up to 20-pins	\$ 119.00
DIL20W/SOIC20 ZIF 300mil	Universal adaptor for SOIC devices up to 20-pins	\$ 119.00
DIL20W/SSOP20 ZIF 200mil	Universal adaptor for SSOP devices up to 20-pins	\$ 155.00
DIL20W/TSSOP20 ZIF 170mil	Universal adaptor for TSSOP devices up to 20-pins	\$ 219.00
DIL24/PLCC28 ZIF PLD-1	Device specific adaptor for PAL / GAL in PLCC28	\$ 155.00
DIL24W/SOIC24 ZIF 300mil	Universal adaptor for 300mil SOIC devices up to 20-pins	\$ 119.00
DIL24W/TSSOP24 ZIF 170mil	Universal adaptor for TSSOP devices up to 24-pins	\$ 219.00
DIL28/PLCC28 ZIF	Universal adaptor for devices in PLCC28	\$ 155.00
DIL28/PLCC32 ZIF EPROM	Device specific adaptor for 28-pins DIL EPROMs in PLCC32	\$ 155.00
DIL28/QFN28-2 ZIF-CS	Universal adaptor for devices in QFN28 / MLP28	\$ 329.00
DIL28/QFP32 ZIF AVR-1	Device specific adaptor for ATmega48 / Atmega8 in QFP32	\$ 265.00
DIL28/QFP52 ZIF-CS SX52	Device specific adaptor for Uicom SX52BD in PQFP52	\$ 425.00
DIL28/SOIC28 ZIF 300mil	Universal adaptor for SOIC devices up to 28-pins	\$ 119.00
DIL28/SOIC28 ZIF 330mil	Universal adaptor for SOIC devices up to 28-pins	\$ 229.00
DIL28/TSOP28 ZIF 11.8mm	Universal adaptor for TSOP devices up to 28-pins	\$ 155.00
DIL28/TSSOP28 ZIF 170mil	Universal adaptor for TSSOP devices up to 28-pins	\$ 229.00
DIL28W/SOIC28 ZIF 300mil	Universal adaptor for 300mil SOIC devices up to 28-pins	\$ 119.00
DIL28W/SSOP28 ZIF 200mil	Universal adaptor for SSOP devices up to 28-pins	\$ 155.00
DIL32/MLF32-1 ZIF-CS	Universal adaptor for devices in MLF32	\$ 355.00
DIL32/PLCC32 ZIF	Universal adaptor for devices in PLCC32	\$ 119.00
DIL32/PLCC32 ZIF-CS	Universal adaptor for devices in PLCC32	\$ 149.00
DIL32/QFP100 ZIF-CS HS3836ESF01H	Device specific adaptor for Renesas HD6473837F / HD6473837E / HD6473837UF in PQFP100	\$ 620.00
DIL32/SOIC32 ZIF 300mil	Universal adaptor for SOIC devices with 32-pins	\$ 235.00

## MEMPro/PIKPro/T51Pro Adapters

<u>Part No</u>	<u>Description</u>	<u>Price</u>
DIL32/TQFP32-1 ZIF	Universal adaptor for devices in TQFP32	\$ 235.00
DIL32/TSOP32 ZIF 12.4mm Flash	Device specific adaptor for Flash EPROMs in TSOP32	\$ 235.00
DIL32/TSOP32 ZIF 18.4mm Flash	Device specific adaptor for Flash EPROMs in TSOP32	\$ 235.00
DIL32/TSOP32 ZIF-CS 14mm	Universal adaptor for I 32-pin 600mil devices	\$ 250.00
DIL34W/SSOP34 ZIF 200mil	Universal adaptor for SSOP devices up to 34-pins	\$ 155.00
DIL40/MLF64 ZIF-CS AVR-1	Device specific adaptor for Atmel AVR family in MLF64	\$ 329.00
DIL40/MQFP52 ZIF ADuC812	Device specific adaptor for Analog Devices ADuC812 in MQFP52	\$ 329.00
DIL40/PLCC28 ZIF AWM-1	Device specific adaptor for Atmel AT89C5115 / T89C51CC02 in PLCC28	\$ 155.00
DIL40/PLCC44 ZIF AWM-1	Device specific adaptor for Atmel T89C51AC2 / T89C51CC01 in PLCC44	\$ 175.00
DIL40/PLCC44 ZIF PIC-1	Device specific adaptor for PICmicro in the PLCC44	\$ 185.00
DIL40/PLCC44 ZIF W-EPROM/MCS51	Device specific adaptor for microcontrollers '51 family and 16-bit EPROMs	\$ 155.00
DIL40/PLCC52 ZIF AWM-1	Device specific adaptor for Temic T89C5131 in PLCC52	\$ 245.00
DIL40/PLCC52 ZIF AWM-2	Device specific adaptor for Atmel AT89C51CC03 in PLCC52	\$ 339.00
DIL40/PLCC52 ZIF DS87C530	Device specific adaptor for DALLAS DS87C530 in PLCC52	\$ 185.00
DIL40/PLCC52 ZIF MCS51-2	Device specific adaptor for Atmel T87C5112 in PLCC52	\$ 265.00
DIL40/PLCC68 ZIF AWM-1	Device specific adaptor for Atmel T89C51RD2 in PLCC68	\$ 255.00
DIL40/PLCC68 ZIF DS87C550	Device specific adaptor for DALLAS DS87C550 in PLCC68	\$ 219.00
DIL40/PLCC68 ZIF PIC-1	Device specific adaptor for PICmicro in PLCC68	\$ 219.00
DIL40/PLCC68 ZIF PIC-2	Device specific adaptor for PICmicro in PLCC68	\$ 265.00
DIL40/PLCC68 ZIF W-1	Device specific adaptor for Winbond W79Ex48 family in PLCC68	\$ 339.00
DIL40/PLCC84 ZIF PIC-1	Device specific adaptor for PICmicro in PLCC84	\$ 289.00
DIL40/QFN40-1 ZIF-CS	Universal adaptor for devices in QFN40	\$ 395.00
DIL40/QFP100 ZIF AVR-1	Device specific adaptor for Atmel AVR family in QFP100	\$ 469.00
DIL40/QFP80 ZIF W83L950	Device specific adaptor for Winbond W83L950 in QFP80	\$ 469.00
DIL40/SOIC20 ZIF AWM-1	Device specific adaptor for Atmel AT89C5114 in SOIC20	\$ 175.00
DIL40/SOIC28 ZIF AWM-1	Device specific adaptor for Atmel AT89C5115 / T89C51CC02 in SOIC28	\$ 175.00
DIL40/TQFP44 ZIF AWM-1	Device specific adaptor for Atmel T89C51AC2 / T89C51CC01 in TQFP44	\$ 319.00
DIL40/TQFP44 ZIF PIC-1	Device specific adaptor for PICmicro in TQFP44	\$ 219.00
DIL40/TQFP44-1 ZIF MCS51	Device specific adaptor for Atmel MCS51 family / AT90S/LS8515 / AT90S/LS4414 in TQFP44	\$ 319.00
DIL40/TQFP64 ZIF AVRmega-2	Device specific adaptor for Atmel AVR-Mega series in TQFP64	\$ 355.00
DIL40/TQFP64 ZIF PIC-1A	Device specific adaptor for PICmicro in TQFP64	\$ 345.00
DIL40/TQFP64 ZIF PIC-2	Device specific adaptor for PICmicro in TQFP64	\$ 365.00
DIL40/TQFP80 ZIF PIC-2	Device specific adaptor for PICmicro PIC18FxxJxx / dsPIC33F / PIC24F/H in TQFP80	\$ 365.00
DIL40/TQFP80-1 ZIF AWM-1	Device specific adaptor for Temic T89C51SND1 in TQFP80	\$ 399.00
DIL40/TQFP80-1 ZIF PIC-1A	Device specific adaptor for PICmicro in TQFP80	\$ 399.00
DIL40/TQFP80-2 ZIF PIC-2	Device specific adaptor for PICmicro in TQFP80	\$ 355.00
DIL40/TSOP40 ZIF 18.4mm Flash-1	Device specific adaptor for EPROM / Flash in TSOP40	\$ 319.00
DIL40/TSOP40 ZIF-CS 12.4mm	Universal adaptor for TSOP devices up to 40-pins	\$ 299.00
DIL40/VQFP64 ZIF AWM-1	Device specific adaptor for Atmel T89C51RD2 in VQFP64	\$ 345.00
DIL40/VQFP64 ZIF AWM-2	Device specific adaptor for Atmel AT89C51CC03 in VQFP64	\$ 395.00
DIL40/VQFP64 ZIF AWM-4	Device specific adaptor for Atmel AT89C5130/89C5131 in VQFP64	\$ 465.00
DIL8/DIL14 AT24RF	Device specific adaptor for SEEPROM AT24RF	\$ 120.00
DIL8/QFN8-1 ZIF-CS	Universal adaptor for devices in QFN8 / MLP8 / MLF8 / SON8	\$ 419.00
DIL8/QFN8-2 ZIF-CS	Universal adaptor for EEPROM / Flash devices in QFN8 / MLP8 / MLF8 / SON8 / LAP8	\$ 485.00
DIL8/QFN8-3 ZIF-CS	Universal adaptor for devices in QFN8 / MLP8 / MLF8 / SON8 / DFN8	\$ 365.00
DIL8/QFN8-4 ZIF-CS	Universal adaptor for devices in QFN8 / MLP8 / MLF8 / SON8	\$ 355.00
DIL8/QFN8-5 ZIF-CS	Universal adaptor for devices in QFN8	\$ 365.00
DIL8/QFN8-6 ZIF-CS	Universal adaptor for devices in DFN8	\$ 355.00
DIL8/SOIC8 ZIF 150mil	Universal adaptor for SOIC devices up to 8-pins	\$ 125.00
DIL8/SOIC8 ZIF 200mil	Universal adaptor for 200mil SOIC devices up to 8-pins	\$ 219.00
DIL8/SOIC8-1 ZIF 170mil	Universal adaptor for SOIC devices with 8-pins	\$ 269.00
DIL8/SOT23-6 ZIF-CS PIC	Device specific adaptor for PICmicro in SOT23-6	\$ 329.00
DIL8/SSOP8 ZIF 120mil	Universal adaptor for SSOP8 devices	\$ 329.00
DIL8/SSOP8 ZIF-CS 110mil	Universal adaptor for SSOP devices with 8-pins	\$ 345.00
DIL8W/SOIC8 ZIF 150mil	Universal adaptor for SOIC devices up to 8-pins	\$ 139.00
DIL8W/SOIC8 ZIF 200mil	Universal adaptor for 200mil SOIC devices up to 8-pins	\$ 219.00
DIL8W/TSSOP8 ZIF 170mil	Universal adaptor for TSSOP devices up to 8-pins	\$ 219.00

**Some adapters are programmer specific and we recommend checking the software for compatibility prior to ordering**

## S4 Adapters and Modules

<u>Part No</u>	<u>Description</u>	<u>Price</u>
MOD-28TS	Device specific adapter for 28-pin TSOP devices	\$ 135.00
MOD-32TS	Device specific adapter for 32-pin TSOP devices	\$ 160.00
MOD-42	Device specific module for 40-pin/42-pin 8-bit/16-bit EPROM devices	\$ 120.00
MOD-44PS	Device specific adapter for 44-pin PSOP AMD/Fujitsu 29F200/400 devices	\$ 225.00
MOD-AVR	Device specific module for 8-pin/20-pin/40-pin DIL AVR Micros	\$ 185.00
MOD-GAL	Device specific module for 20-pin/24-pin programmable erasable logic devices	\$ 295.00
MOD-MCS51	Device specific module for 8751 family microcontroller devices	\$ 185.00
MOD-PIC	Device specific module set for PIC 12/16/17/18 series	\$ 185.00

## S4 Adapters and Modules

<u>Part No</u>	<u>Description</u>	<u>Price</u>
MOD-PIC17C756	Device specific adapter for 68-pin PLCC PIC17C756 devices (requires MOD-PIC)	\$ 205.00
MOD-SRL-8SO	Device specific adapter for 8-Pin SOIC serial EEPROM devices	\$ 135.00
PDIL-3228	Device specific adapter for 32-pin PLCC to 28-pin DIL (for use with emulation lead)	\$ 135.00
PDIL-3232	Device specific adapter for 32-pin PLCC to 32-pin DIL (for use with emulation lead)	\$ 135.00
PDIL-4440	Device specific adapter for 44-pin PLCC to 40-pin DIL (for use with emulation lead)	\$ 135.00
PIC-12Cxxx-DIP	Device specific adapter for 8-pin DIP PIC12Cxxx devices (requires MOD-PIC)	\$ 135.00
PIC-12Cxxx-SOP	Device specific adapter for 8-pin SOIC PIC12Cxxx devices (requires MOD-PIC)	\$ 135.00
PIC-1744	Device specific adapter for PLCC PIC17C42 devices (requires MOD-PIC)	\$ 135.00
PIC-SO18	Device specific adapter for 18-pin SOIC to 18-pin DIL (requires MOD-PIC)	\$ 119.00
PIC-SO28	Device specific adapter for 28-pin SOIC to 28-pin DIL (requires MOD-PIC)	\$ 119.00
PIC-SS20	Device specific adapter for 20-pin SSOP to 18-pin DIL (requires MOD-PIC)	\$ 119.00
PIC-SS28	Device specific adapter for 28-pin SSOP to 28-pin DIL (requires MOD-PIC)	\$ 119.00
PLCC-2020-01	Universal adapter for 20-pin DIL to 20-pin PLCC	\$ 119.00
PLCC-2824-03	Device specific adapter for 24-pin DIL to 28-pin PLCC	\$ 139.00
PLCC-2824-04 (DIL24/PLCC28 ZIF PLD-1)	Device specific adaptor for PAL / GAL in PLCC28	\$ 155.00
PLCC-2824-05	Device specific adapter for 24-pin DIL to 28-pin PLCC	\$ 119.00
PLCC-2828	Universal adapter for 28-pin DIL to 28-pin PLCC	\$ 119.00
PLCC-3228 (DIL28/PLCC32 ZIF EPROM)	Device specific adaptor for 28-pins DIL EPROMs in PLCC32	\$ 155.00
PLCC-3232 (DIL32/PLCC32 ZIF)	Universal adapter for devices in PLCC32	\$ 119.00
PLCC-4440	Device specific adapter for 40-pin DIL to 44-pin PLCC (requires 1640 Module)	\$ 169.00

## 40Pro/48Pro/48Pro+/48Pro2 Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
40Pro Cal	Standard calibration charge for 40Pro	\$ 150.00
48Pro+PSU-Upg	PSU upgrade kit for 48Pro+ adding high current bipolar chip support	\$ 165.00
48Pro/48Pro+/48Pro2 Cal	Standard calibration charge for 48Pro/48Pro+/48Pro2	\$ 195.00
ISP-10	In-system programming 10-pin cable with missinsertion lock	\$ 20.00
ISP-20	In-system programming 20-pin cable with missinsertion lock	\$ 20.00
PK-Kit	Vacuum pick up kit for surface mount devices with small / medium / large suction cups	\$ 15.95

## 48/48LV/48XP/48UXP Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
48 Cal	Standard calibration charge for 48/48LV/48XP/48UXP	\$ 195.00
48UXP-Upg	UXP hardware upgrade kit for 48LV adding USB 2.0 connectivity and support for Windows XP	\$ 450.00
RS 2525	Parallel cable (25-pin F to 25-pin M)	\$ 20.00
ZIF Socket	Replacement 48-pin zif (zero insertion force) socket	\$ 20.00
PK-Kit	Vacuum pick up kit for surface mount devices with small / medium / large suction cups	\$ 15.95

## 448Pro/448Pro+/448Pro2 Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
448Pro/448Pro+/448Pro2 Cal	Standard calibration for the 448Pro/448Pro+/448Pro2	\$ 295.00
ISP-20	In-system programming 20-pin cable with missinsertion lock	\$ 20.00
PK-Kit	Vacuum pick up kit for surface mount devices with small / medium / large suction cups	\$ 15.95

## 848/848XP Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
848 Cal	Standard calibration charge for 848/848XP	\$ 295.00
848XP-Upg	XP hardware upgrade kit for 848 adding USB 2.0 connectivity and support for Windows XP	\$ 1000.00
RS 2525	Parallel cable (25-pin F to 25-pin M)	\$ 20.00
ZIF Socket	Replacement 48-pin zif (zero insertion force) socket	\$ 20.00
PK-Kit	Vacuum pick up kit for surface mount devices with small / medium / large suction cups	\$ 15.95

## MEMPro/PIKPro/T51Pro Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
ISP-10	In-system programming 10-pin cable with missinsertion lock	\$ 20.00
MEMPro/PIKPro/T51Pro Cal	Standard calibration charge for MEMPro/PIKPro/T51Pro	\$ 130.00
XPro-Upg	XPro hardware upgrade kit for MEMPro / PIKPro / T51Pro adding all features of the 40Pro universal ISP programmer	\$ 265.00
PK-Kit	Vacuum pick up kit for surface mount devices with small / medium / large suction cups	\$ 15.95

## S3 Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
RS 925	Serial cable for S3 / S4 (9-pin F to 25-pin M)	\$ 20.00
S3 batt	Replacement battery pack for S3 / S4 containing 7 AA fast charge cells (shipping restrictions apply)	\$ 35.00
S3 C240	Replacement mains charger for S3 - 240V	\$ 18.00
S3 Cal	Standard calibration charge for S3 / S4	\$ 195.00
S3 case	Padded carrying case for S3 / S4 programmer and accessories	\$ 35.00
S3 eml	Replacement emulation cable for S3 / S4	\$ 15.00
S3 lib	Upgrade Library ROM for S4 containing the latest device support	\$ 15.00

## S4 Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
RS 925	Serial cable for S3 / S4 (9-pin F to 25-pin M)	\$ 20.00
S4 Batt	Replacement battery pack for S3 / S4 containing 7 AA fast charge cells (shipping restrictions apply)	\$ 35.00
S4 C110	Replacement mains charger for S4 - 110V	\$ 18.00
S4 C220	Replacement mains charger for S4 - 230V	\$ 18.00
S4 Cal	Standard calibration charge for S3 / S4	\$ 195.00
S4 Case	Padded carrying case for S3 / S4 programmer and accessories	\$ 35.00
S4 Eml	Replacement emulation cable for S3 / S4	\$ 15.00
S4 Lib	Upgrade Library ROM for S4 containing the latest device support	\$ 15.00
S4 Man	Replacement user's manual for S4	\$ 15.00
S4 USB	USB to serial adaptor (requires S3 / S4 serial cable)	\$ 35.00
S4 Wrl	Replacement write lead for S4	\$ 7.50
S4 Xmem	4Mbit (512K bytes) RAM upgrade for S4 1MBit (128K bytes)	\$ 75.00

## USB Oscilloscope Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
D520DK	Development kit for 520 series	\$ 165.00
D520DKM	Multi licence development kit for 520 series	\$ 395.00
D520RM	Roll mode software for 520 series	\$ 35.00
D570DK	Development kit for 570 series	\$ 165.00
D570DKM	Multi licence development kit for 570 series	\$ 395.00
D570RM	Roll mode software for 570 series	\$ 35.00
D770DK	Development kit for 770 series	\$ 165.00
D770DKM	Multi licence development kit for 770 series	\$ 395.00
D770RM	Roll mode software for 770 series	\$ 35.00
E26106	60 MHz probe for 522	\$ 35.00
E26120	200 MHz probe for 520/570/770 series	\$ 55.00

## Waveform Generator Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
D530DK	Development kit for 530 series	\$ 165.00
D530DKM	Multi licence development kit for 530 series	\$ 395.00
E35051	BNC to 2 x banana jack for 530 series	\$ 20.00
E35061	BNC to 2 x crocodile clip patchcord for 530 series	\$ 20.00
E35202	BNC to BNC patchcord for 530 series	\$ 20.00
E390BN	BNC to 2 x banana jack adapter for 530 series	\$ 20.00

## Eraser Accessories

<u>Part No</u>	<u>Description</u>	<u>Price</u>
Batt-Bulb	Replacement bulb for DataPro 1 eraser	\$ 35.00
Speed-Bulb	Replacement bulb for Speed-E eraser	\$ 45.00

Prices only apply to goods bought directly from Dataman. E&OE

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