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Find the *BP Microsystems BP-1200/48* at our website: *Click HERE*

Device Socket Modules

Universal programmer socket modules and Flashstream® socket cards are the mechanical and electrical interface between the programmable semiconductor device and the programmer. The robust design of our socket modules and socket cards is ideal for manufacturing and design environments where high signal integrity and reliable performance are critical.

With support for thousands of devices from over 125 semiconductor manufacturers and a substantial library of socket modules and socket cards, chances are we currently offer a solution for your device programming requirements.

In addition, new socket module and socket card designs are continuously added and can be developed quickly to meet your programming needs. Our socket modules and socket cards provide you with the best combination of programming quality and cost of ownership. Contact us in regards to your specific needs.

» Download our **Device Socket Module Product Sheet** (.pdf download size: 3.7KB) **«**

FX4 and FX2 Socket Modules



The FX4 and FX2 socket modules are specifically designed for the 7th Generation series of programmers. With the capability of programming up to two or four devices simultaneously on just one programming site, these modules enable users to achieve greater productivity and reliability.
The independent socket daughter card design improves programming up-time and lowers operating cost because each socket daughter card can be replaced individually. FX4 and FX2 socket modules are offered in both manual and automated models

Compatible Programming Models: 1710, 2710, 3710MK2, 4710, HelixTR, HelixTU

FX Socket Modules

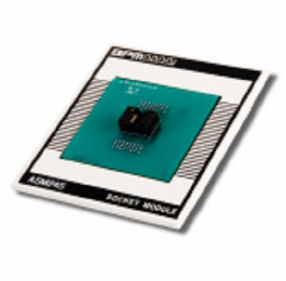


Our FX socket module technology offers improved programming speed over standard socket modules. FX modules are also designed with a replaceable socket daughter card, which extends the life of the socket module and improves signal integrity to the device.
Supported on both of BPM Microsystems' 6th and 7th Generation model programmers, we presently offer hundreds of manual and automated FX socket modules to support a variety of packages and devices.

Compatible Programming Models: 1610, 2610,1710, 2710, 3710MK2, 4710, HelixTR, HelixTU

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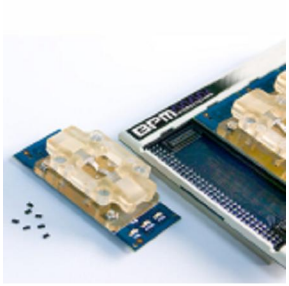
Standard Socket Modules



Designed to have high-fidelity signal integrity and robust architecture, our standard socket modules support a wide variety of devices and package types including BGA, SOIC, TSOP, QFP, DIP, PLCC, QFN and more.
Compatible with our full line of universal device programmers and manufactured in both manual and automated models, our standard socket modules provide the best combination of programming quality and cost of ownership.

Compatible Programming Models: 1410, 1610, 2610,1710, 2710, 3710MK2, 4710, HelixTR, HelixTU

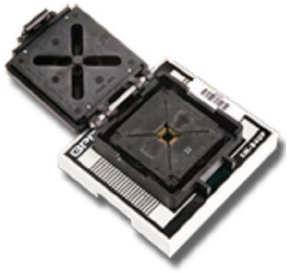
High Insertion Count Socket Modules



HIC (High Insertion Count) socket modules, also known as long-life socket modules, are designed for customers with high volume production requirements who aim for maximum programming yields. These socket modules are rated to 300,000 cycles and support multiple package types. In addition, pogo pins can be replaced to extend the life of the socket. Ultimately, our HIC socket modules ensure productivity, long-term reliability, and very low operating cost per insertion

Compatible Programming Models: 1410, 1610, 2610,1710, 2710, 2800F, 2800F-MK2, 3000FS, 3710-MK2, 4710, Helix-TR, Helix-TU, HelixFS-TR, HelixFS-TU

Universal Socket Modules



For a flexible and economic programming solution, we offer universal socket modules to support PLCC and DIP packages. The SM84UP supports over 5,000 PLCC devices with the use of individual templates to accommodate different pin counts. Templates for 20, 28, 32, 44, 52, 68, and 84 pin devices are included with each module. The SM48D, one of our earliest socket module designs, supports over 6,000 DIP devices. Both modules are compatible with all of our manual universal device programmers.

Compatible Programming Models: 1410, 1610, 2610,1710, 2710

Socket Module Replacement Socket Daughter Cards



Get the most out of your socket module with our individual replacement socket daughter cards. Unlike our competitors' "gang" cards that are soldered to a common PCB, our customers can optimize the number of socket daughter cards needed and replace them individually without dramatically affecting programming capacity. This fault-tolerant design increases manufacturing up-time and saves replacement costs by as much as 75 percent.

Compatible Programming Models: 1410, 1610, 2610,1710, 2710, 2800F, 2800F-MK2, 3000FS, 3710-MK2, 4710, Helix-TR, Helix-TU, HelixFS-TR, HelixFS-TU

Receptacle-Base Socket Modules and Socket Cards



Our receptacle-base socket modules and socket cards include a receptacle interface between the printed circuit board and the socket. This allows our customers to replace only the individual consumable socket once it reaches its useful life.
This has proven to extend the life of the socket module and socket card, producing higher yields and lowering programming cost per device.

Compatible Programming Models: 1410, 1610, 2610,1710, 2710, 2800F, 2800F-MK2, 3000FS, 3710-MK2, 4710, Helix-TR, Helix-TU, HelixFS-TR, HelixFS-TU

ISP-PRO



Known for our off-line programming solutions, we at BPM Microsystems can provide in-system programming solutions as well. With the combination of our ISP-PRO socket module and a BPM Microsystems manual device programmer, customers are now able to program devices after they have been placed "on board."
If you are interested, please submit a device request specifying support for in-system programming. Our experienced device support engineers will then review your request and contact you for the information needed to complete support for your ISP algorithm.

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