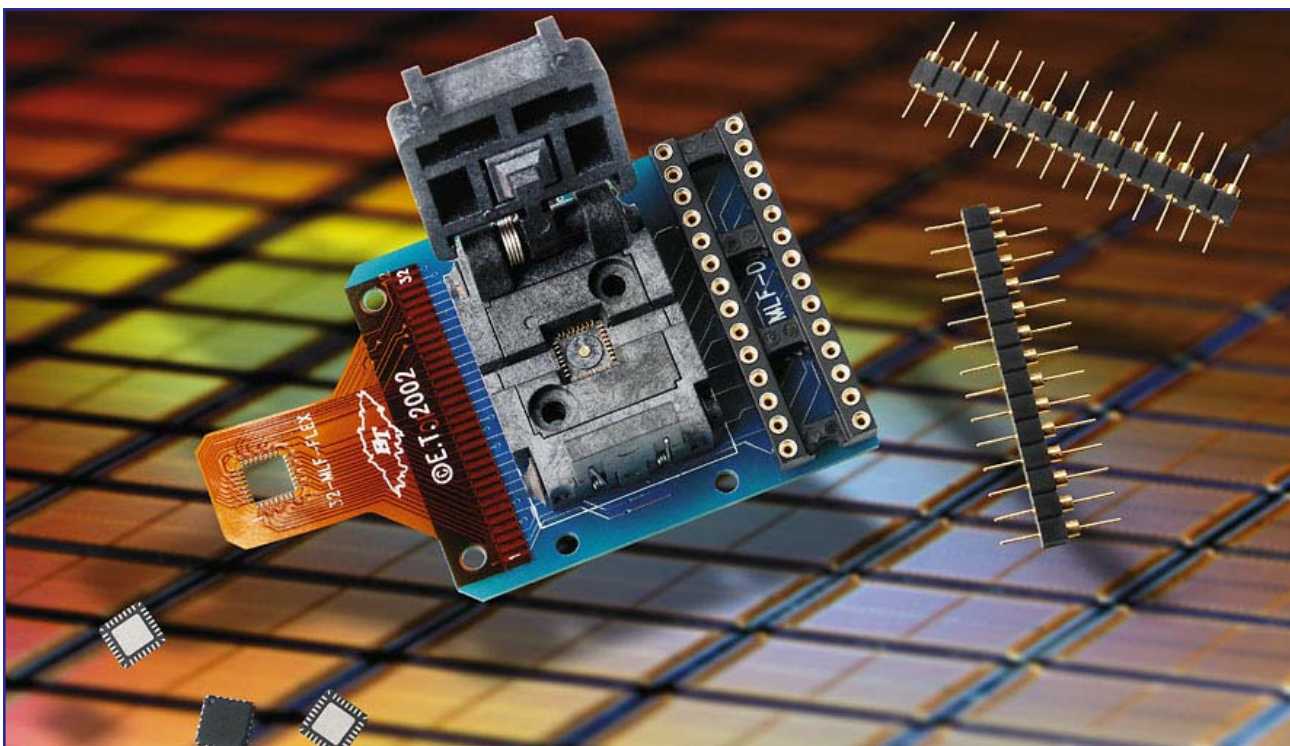


# QFN/MLF 3-In-1 Adapter System™

The new QFN/MLF 3-in-1 Adapter System™ ensures quick and easy configuring and interfacing to an in-circuit emulator, device programmer, logic analyzer or oscilloscope. The first of its kind, this 3-in-1 system provides the solution for test and design engineers needing QFN (Quad Flat Non-leaded) or MLF (Micro Lead Frame) signal access. The current system supports the ATMEL® tiny26, tiny28, Mega 8, Mega 16 and Mega 32 8-bit AVR® Microcontrollers with support for new devices available in the near future.



## Emulate. Program. Analyze.

### How Does It Work?

At the core of the system is the FlexProbe (flex circuit connected to a rigid board) which is easily soldered to the target board. The DUT is inserted into the test socket and programming or emulating are possible when cables are connected to the appropriate test instrument.

### System Features and Benefits

- Reduces cost of ownership by 50-66% by eliminating the need for three separate adapters
- Flexible target interconnect minimizes physical strain on target pads
- Excellent for in-circuit or out of circuit programming
- Monitor signals - Logic Analysis
- Quick interface In-Circuit Emulator
- Change chip packages rapidly
- Compact design ensures signal integrity

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[www.1800ADAPTER.COM](http://www.1800ADAPTER.COM)

ATMEL Device	ET Part Number	Pin Count	Body Size (mm)	Lead Pitch(mm)
Mega 8, tiny28	BCP-032-ML04Z-MEGA8-3IN1	32	5 X 5	0.50mm
tiny26	BCP-032-ML04Z-TINY26-3IN1	32	5 X 5	0.50mm
Mega 16/32, 8535	BCP-044-ML05Z-MEGA16/32-3IN1	44	7 X 7	0.50mm
Mega 162, 8515	BCP-044-ML05Z-MEGA162-3IN1	44	7 X 7	0.50mm

Quotes for custom and new designs are available upon request. For pricing and availability, please see our Web site: [www.emulation.com/060](http://www.emulation.com/060)

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