

CHECKSUM ✓

On-Board Programming Service

In-circuit, on-board programming with no capital investment.

Improve your margins.

Save 30% to 50% over conventional part programming services.

Encrypted Data / Secure Code



Some of the advantages of on-board programming versus pre-programmed devices:

- Change device code instantly
- Lower inventory costs (only store blank version of the parts)
- Eliminate inventory management control issues of programmed chips
- Increased flexibility – add serial numbers, calibration data, tracking information, etc. This information is often added at functional test when pre-programmed parts are used. This step can be eliminated with on-board programming, saving money and increasing throughput, as functional test is generally the bottleneck.
- Reduce the cost of rework. Instead of unsoldering a chip and reprogramming it, the chip can be reprogrammed on the board.
- No capital equipment, fixture/startup costs

The MultiWriter on-board gang programming system uses proven, patent-pending simultaneous programming technology to program up to 24 parts each of up to 16 different types simultaneously — up to 384 chips at one time.



CheckSum's On-Board Programming Service supports:

- Medium to High Volume Production
- Customized Data Per Part (i.e., serial number, part specific clock compensation, etc)
- Large Library of Serial ISP Devices, no Parallel Flash Parts
- Multiple ISP Devices per Board
- Instant Code Changes
- Delicate Fine-Pitch Devices Potentially Damaged by Chip Programmers/Handling
- Encrypted Data / Secure Code Capabilities

Get Started Today

To get a quote for a specific project, please contact CheckSum.

Please provide the following project information:

- Device(s) to be programmed
- Boards per panel
- Line takt time
- Product Volume
- Schematic – so we can confirm that on-board programming is possible
- Current programming cost per chip



Available in manual and automated versions

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