**PIC, IC & Universal Programmers**

**PIC™ Programmer Board**
- Regularly updated list of microcontrollers through Velleman’s website (www.vellemanusa.com)
- On-board configurable 40-pin ZIF socket
- Easy to use programming PICprog06 software included
  - Size: 5.3’’ x 2.6’’
- On-board “In Circuit Programming” OSUB-9 connector
- Power supply: 15VDC @ 300mA adapter (recommend P/N 19001, pg 125)
- Supports over 50 PIC products. Visit www.vellemanusa.com for details

**System Requirements: IBM compatible PC, Pentium or better, Windows® 98/ME/NT/XP/Vista, CDROM drive, RS-232 port**

**Part No.** | **Mfr. Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | --- | ---
132679 | | EPIC Plus PICmicro programmer | $54.95 | $49.95
136397 | 8/18/20-pin ZIF adapter | $29.95 | $26.95
132610 | 40/28-pin ZIF adapter | $29.95 | $26.95
162317 | AC wall adapter (16VDC/500mA, details on pg 125) | $0.95 | $0.85
67257 | 6’ DB25 cable (details on pg 188) | $7.95 | $6.95

**EPROM Eraser**
- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1’
- Built-in safety lock to prevent UV exposure
- UV intensity: 6.8mW/cm²

**Part No.** | **Description** | **Size (L x W x H)”** | **Weight** | **Price** | **Price**
--- | --- | --- | --- | --- | ---
15712 | 8-chip eraser | 9.0 x 3.7 x 2.6 | 2.5 lbs. | $185.95 | $169.95
34382 | Lamp for 15712 | — | 0.6 oz. | $39.95 | $34.95

**IC Programming Solutions**
EE Tools’ main goal is to develop and manufacture the most sophisticated, reliable, and fast stand-alone and PC based device programmers which will surpass those introduced by the manufacturers from the Far East. All products are CE approved, and design.

- All products made in the USA
- Free software updates for life
- CE approved
- Over 100 adapters available @ www.Jameco.com

**ChipMax Low Cost Universal Programmer**
- USB interface
- 40-pin ZIF socket
- Input voltage: 5V
- No. of devices supported: 8,000+
- Supports: Flash EPROM, EEPROM, Microcontroller, PALCE, GAL

**Part No.** | **Mfr. Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | --- | ---
210103 | Emulator | $92.95
210120 | 28-pin PLCC adapter | $84.95
210111 | 32-pin PLCC adapter | $84.95

**Adapters for Universal Programmers**

**Part No.** | **Mfr. Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | --- | ---
210166 | 32-pin PLCC adapter | $79.95
694840 | 44-pin PLCC adapter | $114.95
210191 | 20-pin SOIC adapter | $79.95

**ChipMax Low Cost Fast Universal Programmer**
- USB interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 1.8V
- No. of devices supported: 15,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EEPROM, Serial PROM, GAL, FPGA, MCU

**Part No.** | **Mfr. Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | --- | ---
210182 | 16-pin TSOP adapter | $79.95
2110174 | 48-pin TSOP adapter | $134.95

**TopMaxII High Speed Universal Programmer**
- USB 2.0 PC interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 1.8V
- No. of devices supported: 20,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EEPROM, EEPROM, Serial PROM, GAL, FPGA, MCU

**Part No.** | **Mfr. Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | --- | ---
2110158 | TOPMAXII | $794.95

**Electro Design**

**Web Code: EAT**

**Microchip**

**PICKit™ 2 Microcontroller Starter Kit**
- Supports Flash EPROMs, EEPROMs & EPROMs
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
  - High speed: only 22 seconds to blank chip, verify and program MXIC MX29F040
- File formats supported: binary & machine code. Intel HEX, Motorola HEX, Tektronix

**Includes:**
- USB cable, 12V @ 500mA adapter, CD-ROM software and manual

**Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | ---
697338 | Programmer starter kit | $199.95 | $179.95

**Flash Writer/Programmer with USB Interface**

**Part No.** | **Description** | **Price** | **Price**
--- | --- | --- | ---
225947 | Leaper 3D | $199.95 | $179.95

**Data sheets are available for most of the products we carry. Find them easily on the product specification page. www.Jameco.com**

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