



V-LAB ELECTRONICS  
Trusted by Engineers



### UPA-USB Serial Programmer

- USB 2.0 and USB 3.0 compatible
- No power supply required
- In-circuit connector including 6 general purpose I/Os, overcurrent protected (40mA)
- 30 pins adapter connector
- Supports low voltage devices down to 1.2V
- Supports Motorola/Freescale HC12, HCS12, HCS12(X), HCS12(XE) families
- Supports Renesas/NEC RH850, RL78 families
- Supports Cypress/Fujitsu MB90, MB91, MB96 families
- Supports EEPROMs 24x, 25x, 93x, M35080, more...
- Can be used with TMS and BDM Lockout Disable adapters
- Small dimensions 5.5x11.5cm

