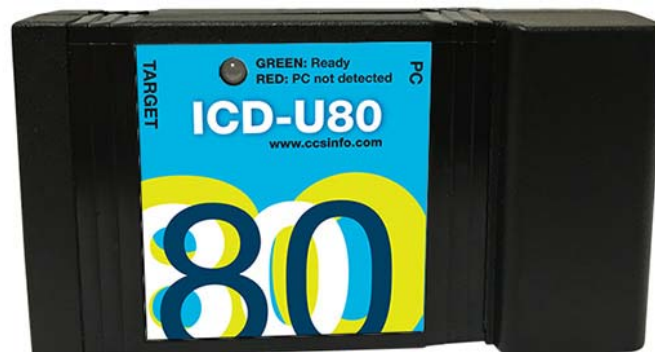# ICD-U80 In-Circuit Programmer/Debugger

Sku: 53506-1648

ICD-U80 is a complete In-Circuit Programming and In-Circuit Debugging solution for Microchip's PIC® MCUs and dsPIC® DSCs. ICD-U80 debug support covers all targets that have debug mode when used in conjunction with the C-Aware IDE Compilers. The unit also provides in-circuit serial programming (ICSP) support for all Flash chips.

ICD-U80 Advantages:

- *Accelerated programming speed using a 140MHz internal processor*
- *Integrated Vdd generator to supply 1.5-5.5V and 400mA to target*
- *Software controlled power to target - no jumpers to change*
- Fully integrated with the CCS C-Aware IDE or can be used stand-alone
- Supports all Microchip PIC® MCU or Flash Devices
- Powers and Connects with USB
- Includes FREE *CCSLOAD* **Software**
- **Data Streaming** - Obtain Real-time Diagnostic Data, and more...
- RoHS Compliant

CCSLOAD **FREE** programmer control software supports the ICD-U80 and offers many new key features including; powerful command line options in Windows/Linux, extensive diagnostics, easy to use production interface, and enhanced security options.

- Easy to use GUI interface
- Include configuration fuses in the programming
- Optionally can verify hex file CRC's to ensure the file was not corrupted
- Optionally can verify chip is actually read protected after programming
- Can program encrypted hex files to reduce the chance of reverse engineering
- Serial numbering and logging built into the software

Connection to your target chip is easy using universally accepted connections:

RJ12 cable included	Tag-Connect cable for connector-less PCB's	Third-party straight connectors