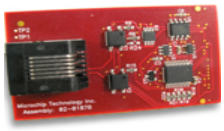
MPLAB ICD 2 Breadboard Cable

AC162069

This cable breaks out the ICD 2 RJ-11 to male pins for plugging into a solderless breadboard.

MPLAB REAL ICE ICSP Driver Board

AC244001



The MPLAB REAL ICE ICSP Driver Board allows connection to the target device with the standard RJ-11 modular connection. The electrical interface permits programming and debugging operations between the MPLAB REAL ICE system and the target device. This interface is compatible with all RJ-11 modular jacks on all Microchip demonstration boards.

MPLAB REAL ICE PERFORMANCE PAK

AC244002

The optional High Performace Pak consists of a High Speed Probe Driver and Receiver that employ two CAT5 cables. Debug pins are driven using LVDS communications, and the additional trace connections allow high speed serial trace uploads to the PC. The kit includes: - 1 High-Speed Probe Driver - 1 High-Speed Probe Receiver - 2 3 CAT5 cables - 1 RJ-11 ICSP adapter (AC164110)

MPLAB REAL ICE Loopback Test Board

AC244003

The AC244003, MPLAB(R) REAL ICE™ Loopback Test board, was designed to assist the engineer identify connectivity issues between the MPLAB(R) REAL ICE™ interface and the target emulation setup. Together with the latest version of MPLAB IDE, this tool provides assurance that the MPLAB(R) REAL ICE™ is functioning according to specification. In cases where there are faults, the included diagnostics display the localized failure mode. The AC244003 is shipped with a small RJ-11 Modular Cable and instructions on how to connect it.

MPLAB REAL ICE Isolator

AC244005

The MPLAB REAL ICE Isolator enables connectivity to AC and High-voltage applications not referenced to ground. Control signals are magnetically or optically isolated providing up to 2.5KV equivalent isolation protection. The isolator acts as an isolated bridge, where signals are passed through with complete transparency to the MPLAB REAL ICE or MPLAB IDE. The MPLAB REAL ICE Isolator requires Part Number AC244002, the MPLAB REAL ICE High Performance Pak with LVDS differential signaling supporting full-speed debugging. The isolator does not support the PIC10F PIC12F, PIC16F, PIC18F, PIC18FK, and dsPIC30F since they require a programming voltage on VPP.

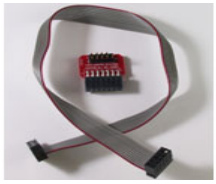
MPLAB REAL ICE Isolator and REAL ICE Performance Pak

AC244005-2

The MPLAB REAL ICE AC ISOLATION KIT is comprised of the MPLAB REAL ICE Isolator (AC244005) and the MPLAB REAL ICE Performance Pak (AC24402) bundled together in one complete kit. These optional accessories are integrated into one easy kit geared to assist the engineer with everything required for high-voltage AC isolation applications. The kit contains differential signaling allowing longer cabling to be used between the emulator and target device while being complemented with high voltage isolation components and design techniques.

MPLAB REAL ICE TRACE INTERFACE BOARD KIT

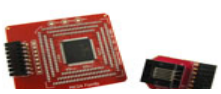
AC244006



The MPLAB REAL ICE TRACE KIT enables tracing of program flow instruction execution for PIC32MX devices with instruction trace capability. It is an optional accessory to the MPLAB Real ICE emulator system. The kit contains a polarized interface designed to interface with the PIC32MX Plug-in Modules (PIMs). The MPLAB Real ICE Trace Kit offers a quick and reliable connection.

Processor Extension Pak for PIC24FJ128GA010-ICE

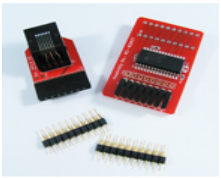
AC244022



The AC244022 processor pak provides debug capability for the 100/80/64-pin TQFP for the PIC24FJ128GA010 family with no pin loss to the target application. This Processor Extension Pak is to be used with the MPLAB ICD 2 or MPLAB REAL ICE. MPLAB REAL ICE offers the option to interface with the high-speed module (AC244002).

Processor Extension Pak for PIC18F1xK50

AC244023

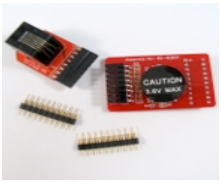


This processor extension pak is designed for those who wish to debug the PIC18F13K50 and PIC18F14K50 microcontrollers in circuit. The included header will interface with MPLAB REAL ICE, MPLAB ICD 2, MPLAB ICD 3, PICkit 2, and PICkit 3. Includes RJ-11 adapter and pin header.

This Processor Extension Pak is mandatory for debugging code since the production silicon does not have on-board debugging capability.

Processor Extension Pak for PIC18LF1xK50

AC244024

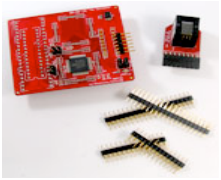


This Processor Extension Pak is designed for those who wish to debug the PIC18LF13K50 and PIC18LF14K50 microcontrollers in-circuit. The included header will interface with the MPLAB REAL ICE, MPLAB ICD 3, PICkit 3, MPLAB ICD 2, and PICkit 2 tools. Includes RJ-11 adapter and pin header.

This Processor Extension Pak is mandatory for debugging code since the production silicon does not have on-board debugging capability.

Processor Extension Pak (PIC16F727-ICE) 200K device

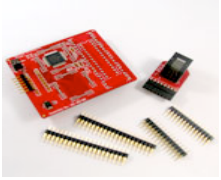
AC244026



This Processor Extension Pak is designed for those who wish to debug the PIC16F727 family of microcontrollers in circuit. In addition to the debug capabilities available on the production variants of PIC16F727 family, this Processor Extension Pak provides additional enhanced debug capabilities while freeing up I/O pins.

Processor Extension Pak (PIC16LF727-ICE) 200K device

AC244027



This Processor Extension Pak is designed for those who wish to debug the PIC16LF727 family of microcontrollers in circuit. In addition to the debug capabilities available on the production variants of PIC16LF727 family, this Processor Extension Pak provides additional enhanced debug capabilites while freeing up I/O pins.

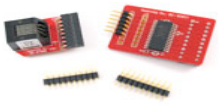
Processor Extension Pak for PIC24F16KA102 Family

AC244028

This Processor Extension Pak is designed for those who wish to in-circuit debug the PIC24F16KA102 family of MCUs. The included header will interface with MPLAB REAL ICE, MPLAB ICD 3, PICkit 3, MPLAB ICD 2, and PICkit 2. It includes an RJ-11 adapter and 3 pairs of pin headers for the 14-, 20-, and 28-pin targets. This Processor Extension Pak is mandatory for debugging PIC24F04KA200 and PIC24F04KA201 device family members, but it is optional for debugging PIC24F08KA101, PIC24F08KA102, PIC24F16KA101, and PIC24F16KA102 device family members.

PIC18F14K22-ICE Processor Extension Pak

AC244033



Product AC244033 supports debugging of:
PIC18F13K22
PIC18F14K22

PIC18LF14K22-ICE Processor Extension Pak

AC244034

Product AC244034 supports debugging of:
PIC18LF13K22
PIC18LF14K22

PIC16F1829-ICE Processor Extension Pak

AC244043

This Processor Extension Pak is designed for those who wish to debug with PIC16LF1829 family of microcontroller in-

circuit. In addition to the debug capabilities available on the product variants of PIC16LF1829, this Processor Extension Pack provides additional enhanced debug capabilities while freeing up I/O pins.

PIC16LF1829-ICE Processor Extension Pak

AC244044

This Processor Extension Pak is designed for those who wish to debug with PIC16F1829 family of microcontroller in-circuit. In addition to the debug capabilities available on the production variants of PIC16F1829 family, this Processor Extension Pak provides additional enhanced debug capabilities while freeing up I/O pins.

PIC16F1847-ICE Processor Extension Pak

AC244046

Buy AC244046

This Processor Extension Pak is designed for those who wish to debug with the PIC16F727 family of microcontrollers in-circuit. In addition to the debug capabilities available on the production variantars of PIC16F727 family, this Processor Extension Pak provides MPLAB ICD 3 and PICkit 3 tools. Package includes RJ-11 adapter and short pin headers for DIP packages.

MPLAB-ICE, LOGIC PROBES

ACICE0104

These logic probes can be used for MPLAB ICE 2000 and MPLAB ICE 4000 Emulators.

DB-25 M-M PARALLEL CABLE

ACICE0105

This parallel cable is for use with the ICE2000, the MCP2515 CAN Developers Kit, and the MCP250XXX CAN Developers Kit.

MPLAB ICE 2000 USB/Parallel Adapter

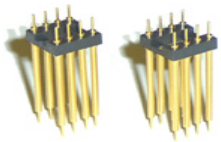
ACICE0108

The MPLAB ICE 2000 USB to Parallel Port Adapter is useful if your newest computer lacks a parallel port, but its also useful if you want to accelerate your parallel port. Improvements include faster initialization, faster MPLAB builds, faster single step, and faster trace and trigger. It is conveniently USB powered, and it features Microchips own PIC18F4550 USB device. With MPLAB ICE 2000 USB to Parallel Adapter, youre on your way to faster emulation.

ADAPTER PLUG, 8P 0.300

ACICE0201

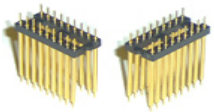
This adapter plug is used with 8-pin, 0.300 width extender.



ADAPTER PLUG, 18P 0.300

ACICE0202

This adapter plug is used with 18-pin, 0.300 width extender.



ADAPTER PLUG, 20P 0.300 — ACICE0203

This adapter plug is used with 20-pin, 0.300 width extender.

ADAPTER PLUG, 28P 0.300 — ACICE0204

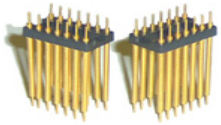
This adapter plug is used with 28-pin, 0.300 width extender.

ADAPTER PLUG, 40P 0.600 — ACICE0206

This adapter plug is used with 40-pin, 0.600 width extender.

ADAPTER PLUG, 14P 0.300 — ACICE0207

This adapter plug is used with 14-pin, 0.300 width extender.



3V/5V POWER SUPPLY w/DIN CONNECTOR — ACICE0401

This power supply is for use with the MPLAB ICE 4000 (pn: ICE4000) and the PM3 Programmer(pn: DV007004). Power Supply Specs: 3.3V @ 5A, 5V @ 0.75A with DIN connector.

Tag-Connect In-Circuit Cable Legged Version — TC2030-MCP

Tag-Connect In-Circuit programming and debug cable is compatible with MPLAB REAL ICE, MPLAB ICD 3 and MPLAB ICD 2. This cable uses high-reliability spring pins which connect to a tiny footprint of pads and locating holes on your PCB. It has plastic legs that snap directly into the board to hold it securely in place saving both board space and the cost of a mating header component on every PCB.

Tag-Connect is a trusted 3rd Party Tool Provider ***More Info >>***

Tag-Connect In-Circuit Cable No Legs — TC2030-MCP-NL

Tag-Connect In-Circuit programming cable is compatible with MPLAB REAL ICE, MPLAB ICD 3 and MPLAB ICD 2. This cable uses high-reliability spring pins which connect to a tiny footprint of pads and locating holes on your PCB. It has three steel pins that ensure accurate alignment and correct orientation and is hand-held during a fast programming operation. TC2030-MCP-NL is particularly suitable for production programming operations and applications where board space is a premium.

Tag-Connect is a trusted 3rd Party Tool Provider ***More Info >>***

Tag-Connect Starter Kit — TC2030-STK

Tag-Connect Starter Kit includes two Tag-Connect cables (Legged and No Legs) and a sample printed circuit board to demonstrate the footprint for each type of cable. These cables use high-reliability spring pins which connect to a tiny

footprint of pads and locating holes on your PCB. The Legged version has plastic legs that snap directly into the board to hold it securely in place. The No Legs version has three steel pins that ensure accurate alignment and correct orientation and is hand-held during a fast programming operation. Tag-Connect cables save the board space and expense of a mating header component on every PCB.

- Compatible with MPLAB REAL ICE, MPLAB ICD2, and MPLAB ICD 3
- Legged cable is available separately as TC2030-MCP
- No Legs cable is available separately as TC2030-MCP-NL

Tag-Connect is a trusted 3rd Party Tools Provider

Keterex USB-150 Full Speed USB Isolator

TKET001

The Keterex USB-150 Full Speed USB Isolator provides up to 2000Vrms of galvanic isolation between a USB host and peripheral. It is used in applications where the host and peripheral device operate at different ground potentials, such as when an in-circuit debugger is used with a target system attached to AC power. The USB-150 Isolator is connected between host and peripheral using standard USB A/B cables. An isolated 5V supply at up to 400mA is provided to the downstream device over the USB cable. The Isolator is invisible to both the host and peripheral - no device driver or configuration is required. Any full-speed USB device can be isolated using the USB-150 and standard USB cables.

Keterex is a trusted Third Party Tool Provider ***More Info >>***