

C8051F020 UNI PROTOTYPE BOARD USER'S GUIDE

1. Summary

The UNI Prototype Board provides easy development and debugging of applications on the C8051F020 microcontroller through use of a JTAG debug header and direct through-hole access to each pin.

2. Features

- C8051F020 MCU
- JTAG debug header
- 0.1-inch center through-hole access to each pin
- Access to V_{DD} and DGND for an external voltage supplier

3. Hardware Setup

A USB Debug Adapter or EC2 Serial Adapter may be used to connect through the JTAG interface as shown in Figure 1. Power to the device must be supplied externally through pin V_{DD} on J6.

1. Connect the 10-pin ribbon cable from the debug adapter to the JTAG interface.
2. Connect the other end of the debug adapter to the appropriate port on the PC.
3. Connect an external power supply to the device by connecting the grounding cable to pin DGND on J6 and the power cable to pin V_{DD} .
4. Set the power supply voltage to +3.3 V.

Note: Ensure the power supply is off when connecting or disconnecting cables to the device in order to prevent accidental damage to device and/or debug adapter.

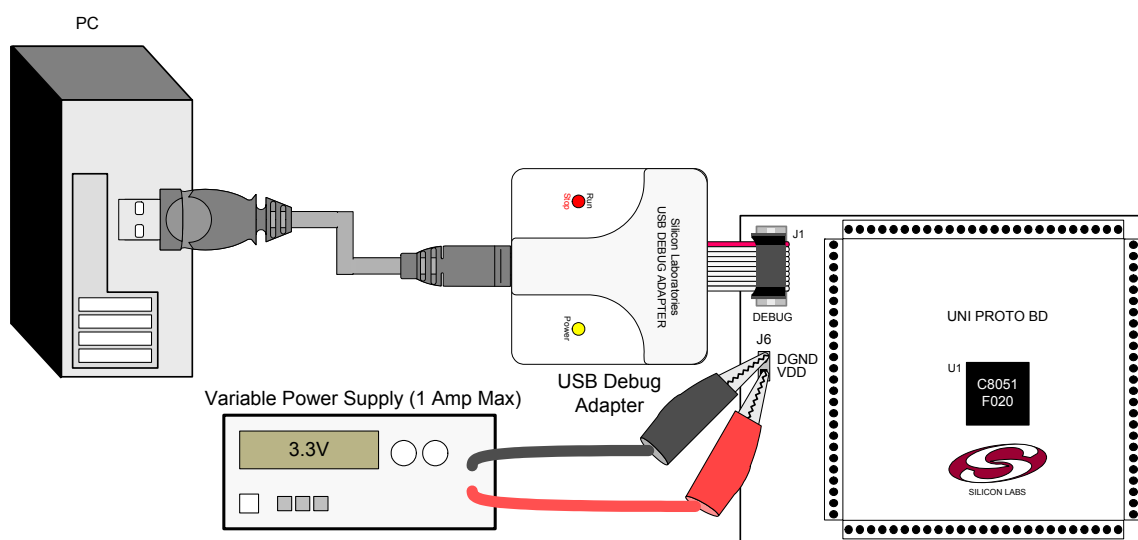


Figure 1. UNI Prototype Board Hardware Setup

Table 1. Adapters

USB Debug Adapter		EC2 Serial Adapter	
Pin #	Description	Pin #	Description
1,8	Not Connected	1	3.0 to 3.6 VDC Input
2,3,9	GND (Ground)	2,3,9	GND (Ground)
4	TCK (C2D)	4	TCK (C2D)
5	TMS	5	TMS
6	TDO	6	TDO
7	TDI (C2CK)	7	TDI (C2CK)
10	USB Power	8,10	Not Connected

NOTES:

CONTACT INFORMATION

Silicon Laboratories Inc.
400 West Cesar Chavez
Austin, TX 78701
Tel: 1+(512) 416-8500
Fax: 1+(512) 416-9669
Toll Free: 1+(877) 444-3032
Email: MCUinfo@silabs.com
Internet: www.silabs.com

The information in this document is believed to be accurate in all respects at the time of publication but is subject to change without notice. Silicon Laboratories assumes no responsibility for errors and omissions, and disclaims responsibility for any consequences resulting from the use of information included herein. Additionally, Silicon Laboratories assumes no responsibility for the functioning of undescribed features or parameters. Silicon Laboratories reserves the right to make changes without further notice. Silicon Laboratories makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Silicon Laboratories assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Silicon Laboratories products are not designed, intended, or authorized for use in applications intended to support or sustain life, or for any other application in which the failure of the Silicon Laboratories product could create a situation where personal injury or death may occur. Should Buyer purchase or use Silicon Laboratories products for any such unintended or unauthorized application, Buyer shall indemnify and hold Silicon Laboratories harmless against all claims and damages.

Silicon Laboratories and Silicon Labs are trademarks of Silicon Laboratories Inc.

Other products or brandnames mentioned herein are trademarks or registered trademarks of their respective holders.

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>