BASIC MICRO

TECHNOLOGY AT WORK

B0255 - PIC KIT RJ11 Adapter
Data Sheet

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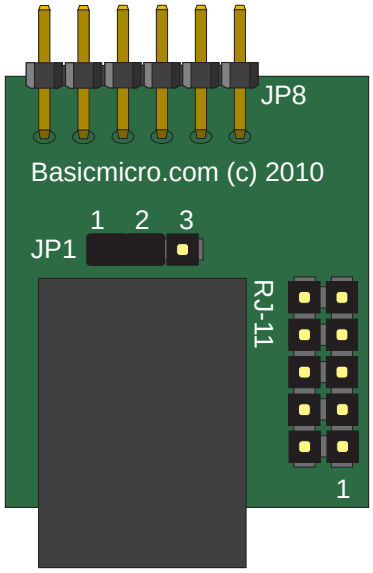
Feature Overview:

- Supports RJ11
- Supports SMT Sockets
- LVP Jumper Select
- Debugger (ICD) Support
- Compatible with 0818 and 2840



Description

The PIC Kit RJ11 Adapter works with both PIC Kit 2 and PIC Kit 3 programmers by Microchip. The RJ11 adapter replaces the Microchip AC164110 with more functionality. The adapter includes a 10 pin header that is compatible with Melabs.com surface mount PICmicro adapters. This allows you to use the PIC Kit 2 or 3 to program surface mount PICmicros out of circuit. The adapter is also for use with the Basic Micro 0818 and 2840 development boards.

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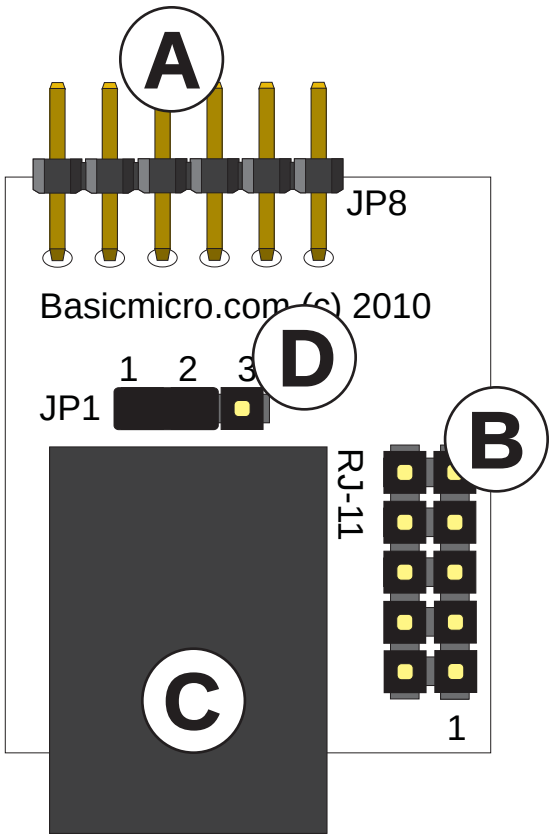
Hardware Overview:



A: PIC Kit 6 Pin Interface Header
B: Surface Mount Adapter 10 Pin Header
C: RJ11 Header
D: LVP Jumper

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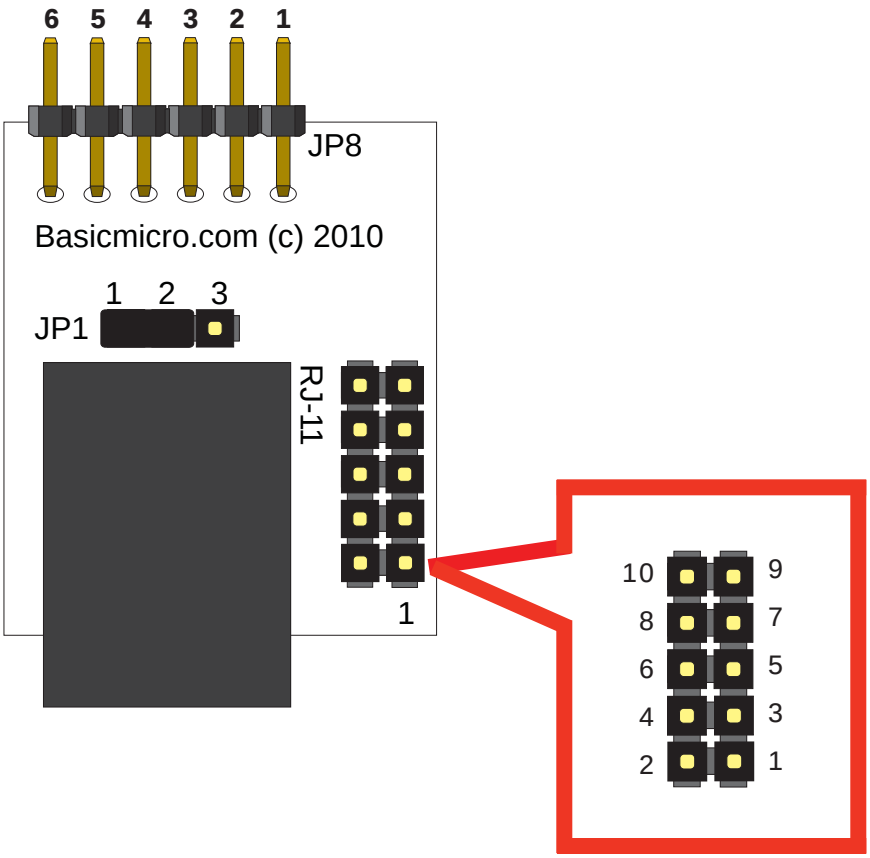
JP8 Header

The JP8 header interfaces to the PIC Kit programmer. Jp8 pin outs:

Pin	Signal
1	MCLR / VPP
2	VCC / VDD Target
3	VSS / GND
4	PGD (ICSPDAT)
5	PGC (ICSPCLK)
6	PGM (LVP)



SMT 10 Pin Header

The 10 pin header located on the RJ11 adapter is pin out compatible with all of melabs.com surface mount adapters for their pic programmers. This header allows the PIC Kit programmers to interface with surface mount PICmicros.

Pin	Signal
1	VDD / VCC
2	MCLR
3	VSS / GND
4	VDD / VCC
5	VSS / GND
6	PGD
7	VSS / GND
8	PGC
9	VSS / GND
10	VSS / GND

JP1 LVP Jumper

Some PICmicro settings for the PIC Kit do not control LVP properly. JP1 was added to make the adapter more compatible. Place JP1 2-3 when using non Microchip boards such as Basic Micro or Melabs. Place JP1 1-2 when the PIC Kit programmers requires control over LVP.

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Connecting

Connect the PIC Kit programmer to the RJ11 adapter as shown below. Make sure to note pin 1 orientation.

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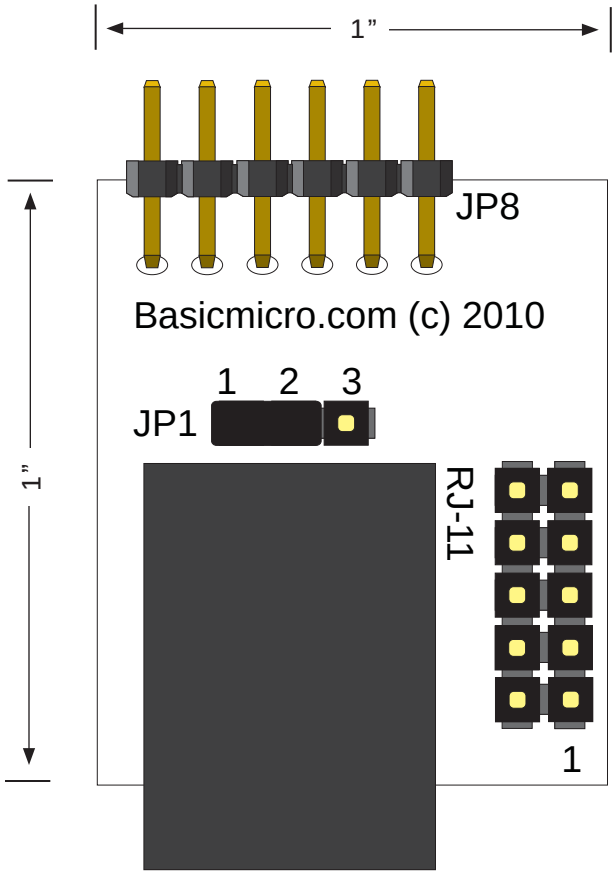
Dimensions:



Board Edge: 1”W X 1”L

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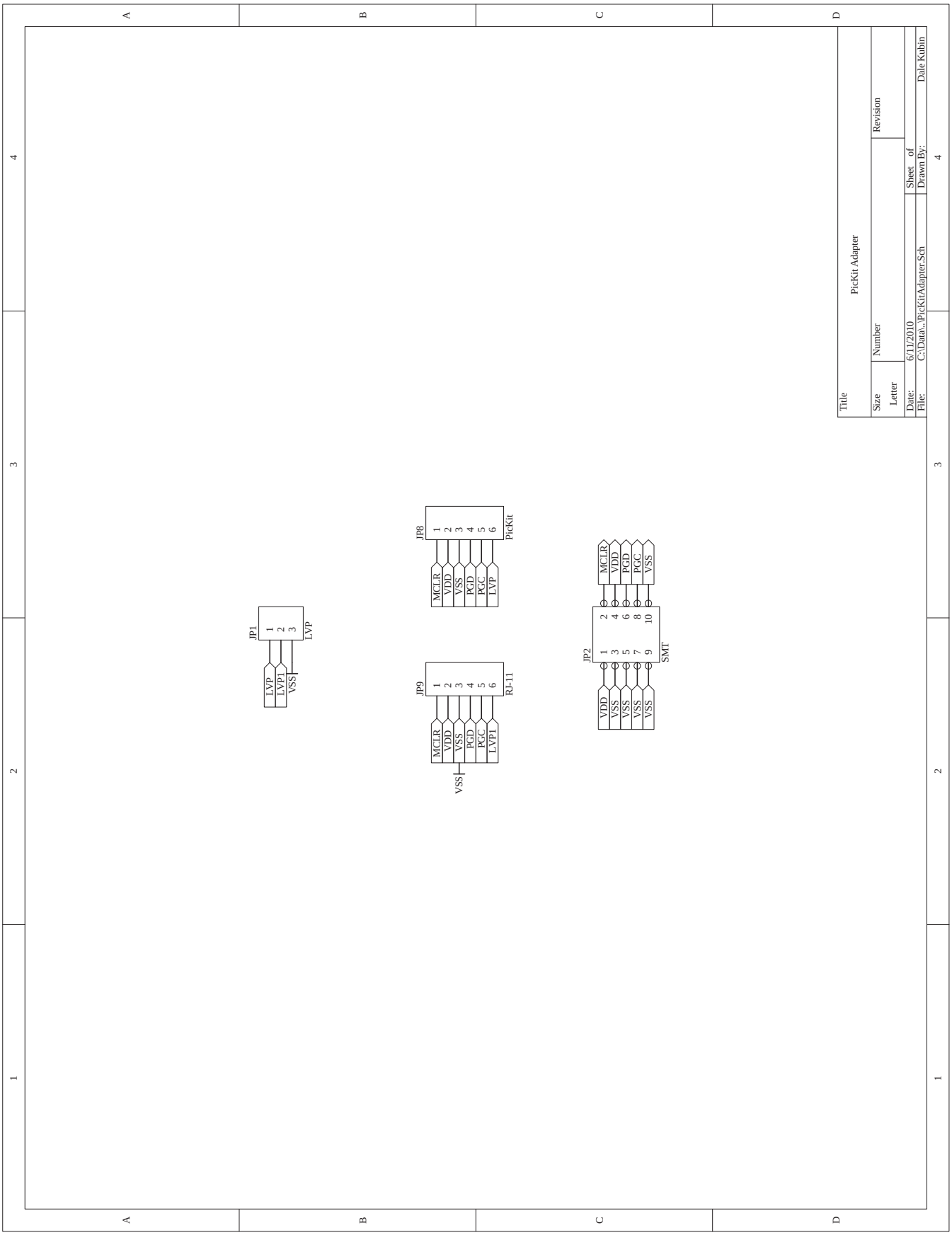

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Electrical Characteristics

Characteristic	Rating	Min	Max
VCC Input	VDC	0	5
Current Draw	mA	0	~
I/O Voltages	VDC	0	5
Tempature Range	C	-40	+125

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Discussion List

A web based discussion board is maintained at http://www.basicmicro.com.

Technical Support

Technical support is made available by sending an email to support@basicmicro.com. All email will be answered within 48 hours. All general syntax and programming questions, unless deemed to be a software issue, will be referred to the on-line discussion forums.

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