

## USB Mesh Node

Written by Jim Kinter, K5KTF - Last Updated Monday, 22 April 2013 21:59

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Wouldnt it be nice to have more storage space on these mesh nodes?

Or maybe to connect a peripheral to do something with?

Along comes the wonders of USB interconnect!

The Broadcom chips HAVE a USB host built in, just waiting to be used !

Linksys/Cisco just didnt bring them out in the older models.

*BUT I DID!* 🐛

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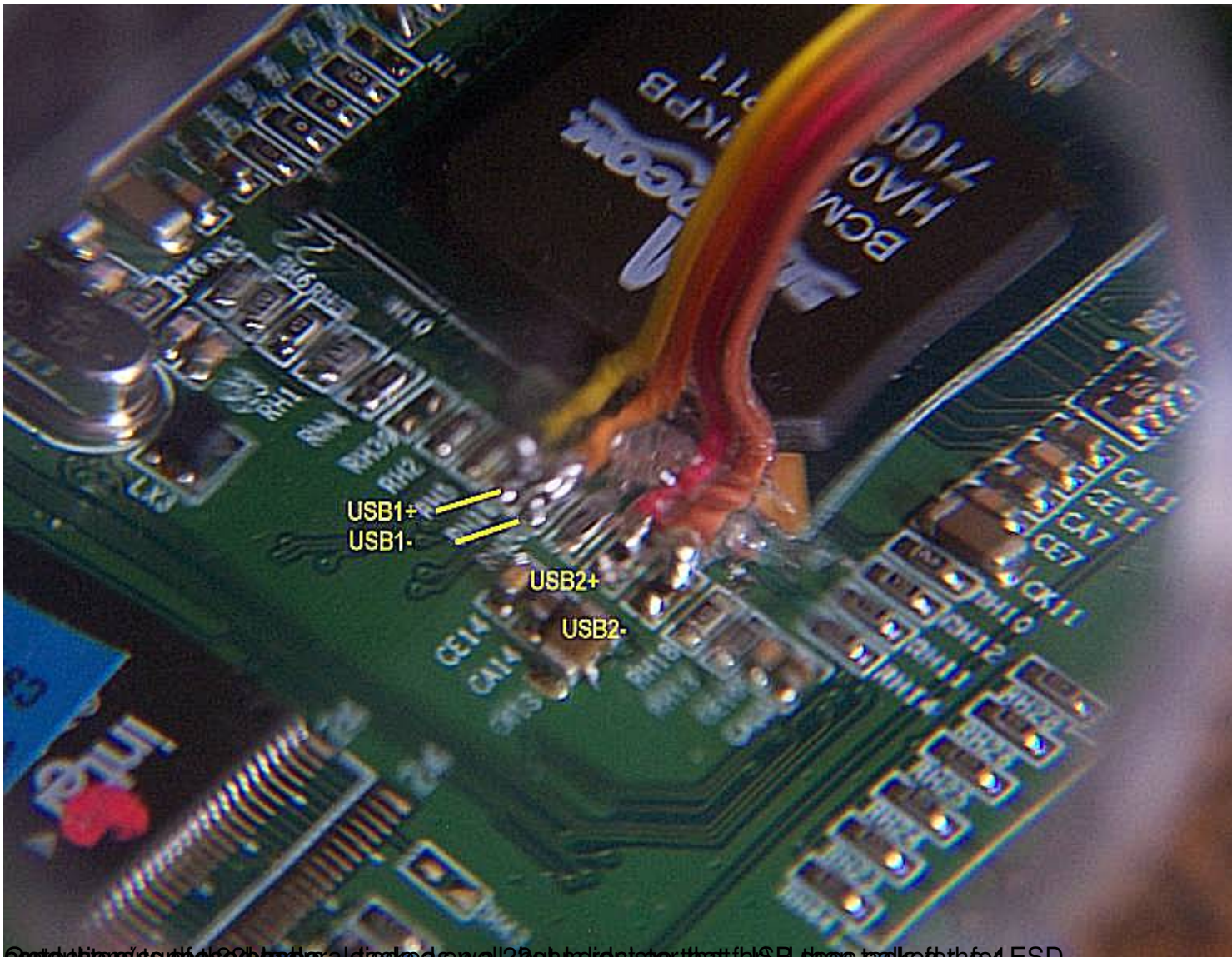
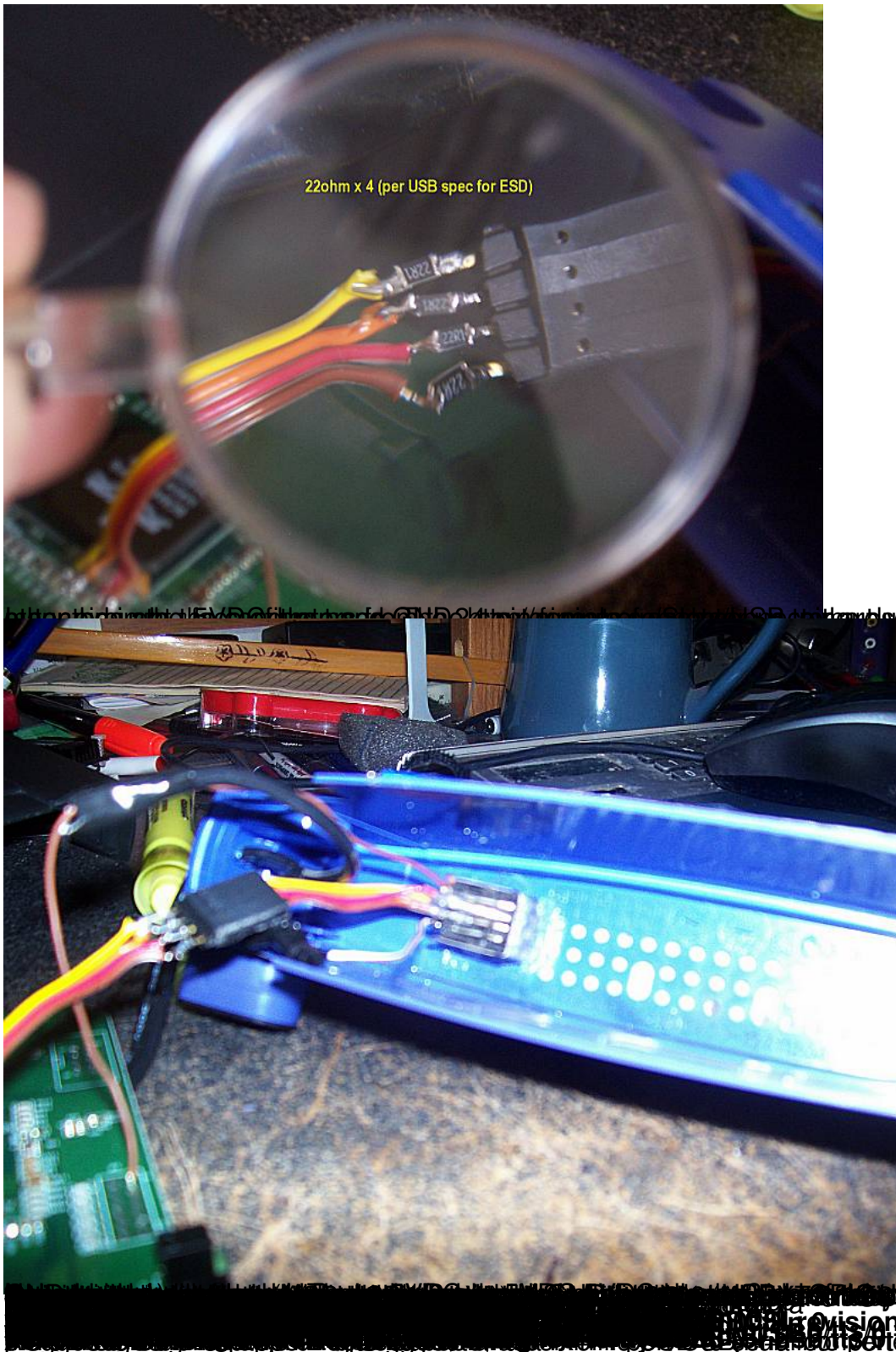


Photo of the USB connector on the board. The labels indicate the USB1+ and USB1- pins, and the USB2+ and USB2- pins. The board also features several other connectors and components, such as a 2-pin header labeled 'CE14' and a 4-pin header labeled 'CE15'. The text 'BCM4343' is visible on the right side of the board.

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http://www.k5ktf.com/wordpress/wp-content/uploads/2013/04/USB-connection-2

USB-connection-2 (revision: 02) dev's

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K5KTF-TunnelHost

**your address** 10.110.105.105  
K5KTF-100

**system time** Sun Aug 28 2011  
15:12:53 UTC

**uptime** 9:58

**load average** 0.08, 0.01, 0.00

flash = 276 KB

/tmp = 7068 KB

**free space** memory = 2056 KB

USB1 = 135385 KB

USB2 = 2701428 KB

~~Jim Kinter, K5KTF, is looking for a 4GB stick, but to come up with a solution, I'd like to see what you think of the USB Mesh Node (and if you have any ideas of what to use the USB~~