

How to - Make JST-USB programming cable

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Some siliXcon devices use a JST JWPF connector as a plug for a USB cable. You can purchase this cable from siliXcon, but it is also possible to make your cable. This article shows how to make such a cable.

Preparation

You will need these parts for making JST-USB cable

- USB-A cable (or you can use a generic cable) - 1x
- JST JWPF 04R - 1x
- JWPF crimped cable - 4x
- Shrinking tubes


Instructions

1. Prepare a USB cable so you have a USB-A connector on one side and 4 bare cables on the other side.



2. Solder the JWPF crimped wires on the bare USB-A cables.

3. Insert the JWPF crimped wires into the JST JWPF connector according to this order

USB	Connector pin	Function
 1 2 3 4	1	USB DATA+
	2	USB DATA-
	3	USB GND
	4	USB +5V

4. Put a shrinking tube over the end of the USB cable protective cover and JST JWPF connector to ensure mechanical robustness.

5. Your cable is ready to use!