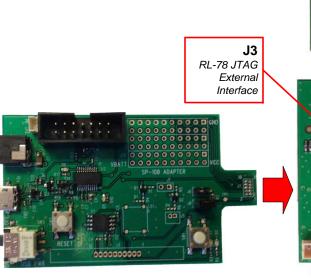


- J13 RF0 External PCS Band RF RX
- J15 RF0 External GPS L1 RF RX w/3.3V DC Bias Option
- J16 RF1 External Wideband RF TX/RX
- J17 RF1 External Wideband RF RX
- J18 RF1 External ISM Band RF RX/TX
- J19 RF1 External UHF Band RF RX

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	S Woodinvi	ille, WA 98033
Approved:	Www.lo	octronix.com

Make sure the orientation of the programmer is as shown before attempting to program the device.



RL-78 Serial Interface / Flash Programmer / Debugger



J5 FX-3 JTAG Interface

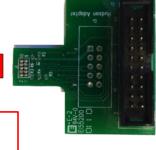
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Drawn By: Michael B Mathews Approved:	18815 NE 139 th A Woodinville,	onix Corporation 39 th Ave. NE, Suite A-1 nville, WA 98033 w.loctronix.com		

ASR-2300 Top View



Make sure the orientation of the JTAG Debugger adaptor is as shown before attempting to debug the **FX-3**.

Segger JTAG Debugger Adaptor for Cypress ARM 9 FX-3



Interface

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FIG. 1

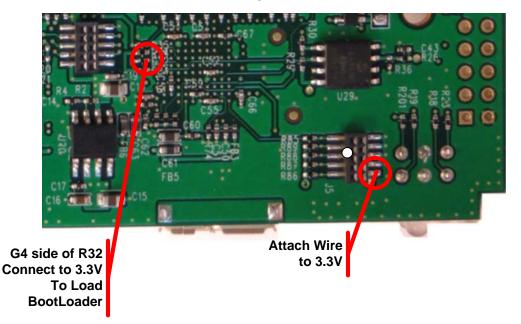


FIG. 2



15 cm wire tacked to 3.3V source.
Opposite end has 3 mm insulation
removed. Alternatively, push wire into
Pin #1 slot of the J5 Connector.
Requires 30 gauge wire.

Rev. A boards do not have a provision for enabling FX-3 boot loader once flash is programmed. To load the boot loader perform the following:

- 1) Power Down Board
- 2) Solder 15 cm wire (> 28 gauge) to 3.3V source as shown in Fig. 2. or push 30 gauge wire into Pin #1 slot of the J5 connector
- 3) Remove 3 mm insulation from other end of wire
- 4) Temporarily connect exposed wire end to G4 side of R32 in Fig.1
- 5) Power device.
- 6) Boot Loader should run (LED D4 will glow once loaded)
- 7) Disconnect wire from R32
- 8) To make the boot loader the default, program the FLASH using "fx3-bad_eei2c(clears flash).img" file, which corrupts the flash so boot loader will always run.
- 9) Once done, remove wire to prevent a short-circuit

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