Hardware info:

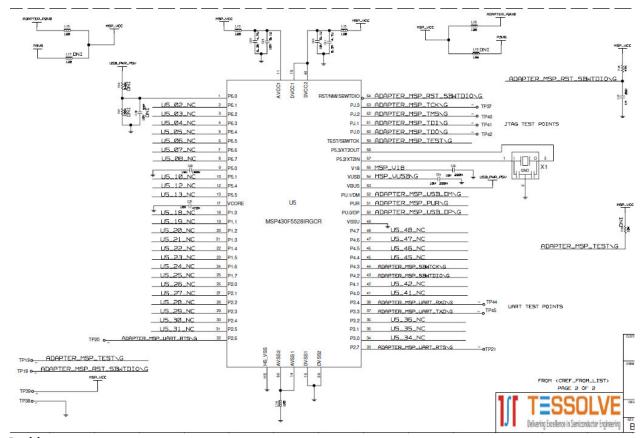
We have designed EZ FET Custom board using below Launch pad reference schematic.

https://www.digikey.in/products/en/development-boards-kits-programmers/evaluation-boards-embedded-mcu-dsp/786?k=msp430fr5969

IC:MSP430F55281RGCR

Tessolve Schematic design:

Voltage: 3.6Voltage



Problem:

Here we are not able to flash MSP430FR5969 using our EZ-FET custom board.

Note: We are able to flash MSP430FR5969 using TI recommended below MSP430 EMULATOR.

 https://www.digikey.com/product-detail/en/texas-instruments/MSP-FET/296-37897-ND/4914406

Suggested Solution by TI:

Put the MSP that is acting as your EZ-FET into BSL mode as described here:

https://www.ti.com/lit/ug/slau319ad/slau319ad.pdf

You will then need to flash the EZ-FET firmware to that MSP using the Python Firmware Upgrader

 http://softwaredl.ti.com/msp430/msp430 public_sw/mcu/msp430/MSP430 USB_Developers_Package/latest/index_FDS.html

For EZ-FET firmware we downloaded files from below link:

 http://softwaredl.ti.com/msp430/msp430_public_sw/mcu/msp430/MSP430_ezFETLite/latest/exports/eZ-FET_lite_Release_Package_rev_1_10_20130712.zip

Programing for MSP430F55281RGCR:

- 1. Connect module with PM using USB cable.
- 2. Open Python firmware upgrader GUI.
- 3. Scan for device. Device found. (MSP430F55281RGCR already in BSL Mode)
- 4. Select file EZFET_LITE_Rev1_1_BSL_1_1.txt, Programming failed.
- 5. Scan again. Device found.
- 6. Select file EZFET_LITE_Rev1_1_FW_3_3_0_6.txt, and Programming successful.
- 7. Device detected as 2 separate COM Ports. (MSP Application UART1 and MSP Debug Interface)

PUT MSP430F55281RGCR programmed with EZFET_LITE_Rev1_1_FW_3_3_0_6.txt to BSL Mode:

- 1. Connect TEST with LOW and RSTEN with High.
- 2. Make RSTEN low.
- 3. Make TEST High after 1 sec low. Repeat 1-2 times.
- 4. Make TEST High and hold.
- 5. Make RSTEN HIGH.
- 6. Make TEST Low.
- 7. Scan device using Python Upgrade GUI.
- 8. No device found.
- 9. Please suggest if we are not following the steps correctly. Also, please suggest if we should use EZFET_LITE_Rev1_1_BSL_1_1.txt provided witheZ-FET_lite_Release_Package_rev_1_10_20130712.