TI QFP SCHMARDBOARD

Description:
TI QFP SCHAMRTBOARD can support MSP430(64 pins), Piccolo(64 pins) and
Stellaris(48 pins) micro-controllers in QFP package with 0.5mm pitch based on
the following configurations table

|	Power/Gnd	RESET	EXTERNAL OSCILLATOR	PROGRAMING INTREFACE
MSP430	J5	J7	J8,J9	J12,J13,J20
Piccolo	J19	J7	J8,J9	J10,J15
Stellaris	J6	J7	J8,J9	J17,J18

Features:
♦On board 3.3V regulator (max DC 12V input, 2.1mm power jack pole diameter)
♦On board reset circuit
♦External clock options: Crystal (Y1, C1, C2) option
♦Fully access each pin of the chip
♦Schmart-EZ Soldering Technology

Dimensions:
4" X 4"

**Hand solder your chip as per the enclosed SchmartBoard|ez instructions,
solder headers for the pin out and then configure the board jumpers based
on your micro controller type**
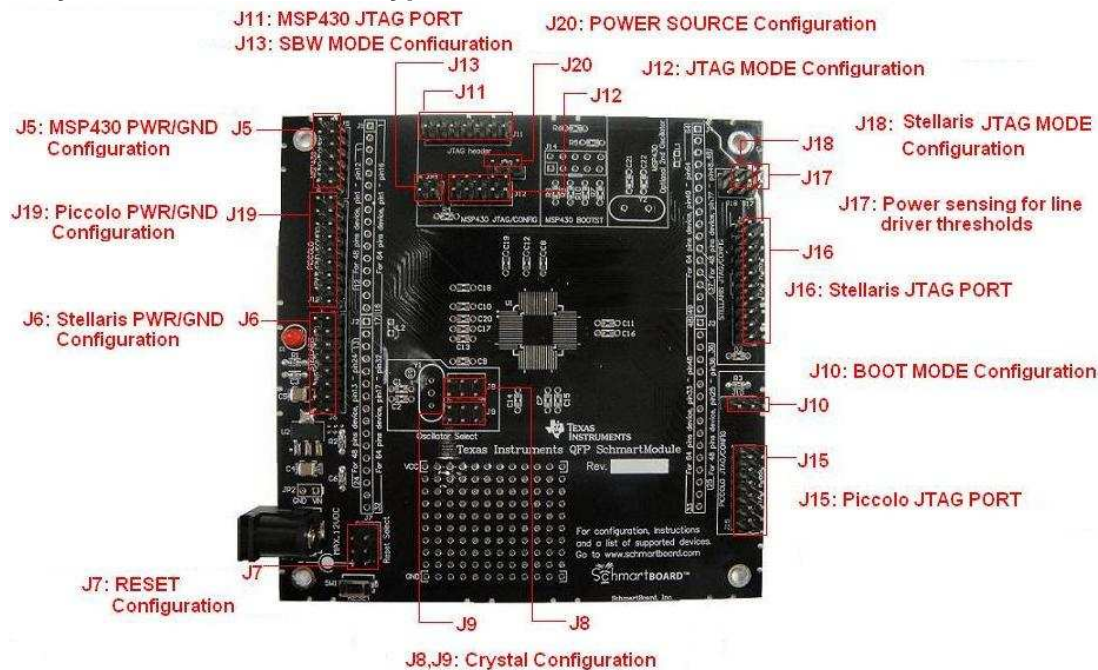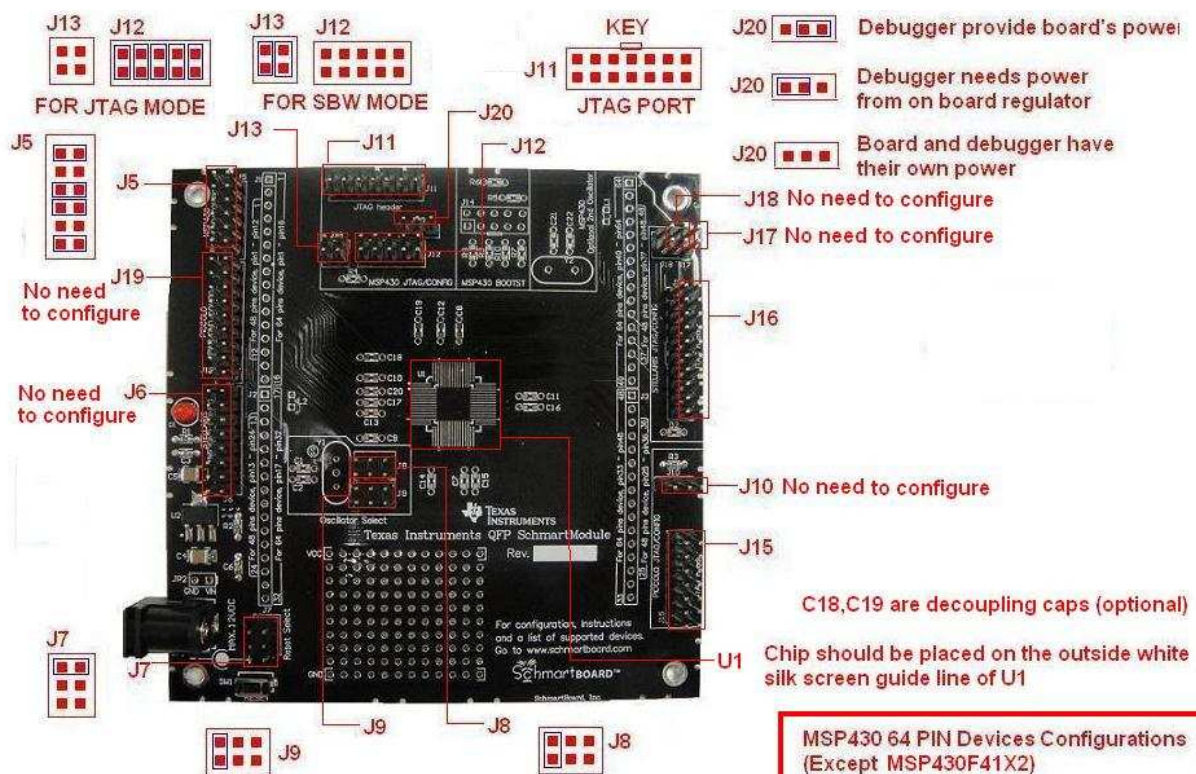
MSP430 A type configuration

MSP430x1xx 8MHz Series (64 pin), MSP430x2xx 8MHz Series (64 pin) and

MSP430x4xx 8/16MHz LCD Series (64pin) are supported except MSP430FX2 series

1. Put jumpers on J5(2X6 header) as following picture for POWER/GND

2. Put jumpers on J7(2X3 header) as following picture for RESET

3. Put headers/jumpers on J8(2X3 header) and J9(2X3 header)   as following picture if an external oscillator is used

4. For SBW programming mode put header/jumpers on J13(2X2 header), and no jumpers on J12(2X5 header).

For JTAG programming mode put headers/jumpers on J12, and no jumpers

   on J13

5. J20 configuration depend on the type of programmer or debugger. Please see the

   following picture for the configuration

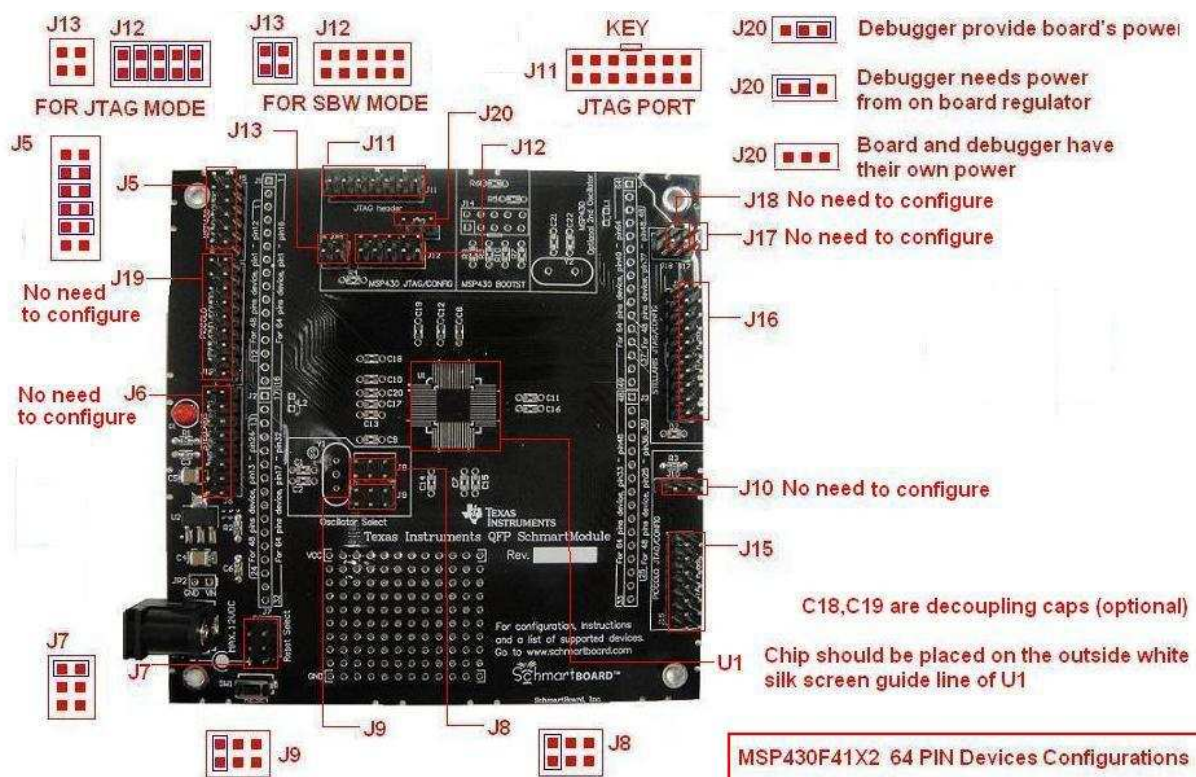6. J11(2X7 header) is the JTAG/SBW programming interface

MSP430 B type configuration

MSP430FX2 series 64 pin devices are supported

1. Put jumpers on J5(2X6 header) as following picture for POWER/GND

2. Put jumpers on J7(2X3 header) as following picture for RESET

3. Put headers/jumpers on J8(2X3 header) and J9(2X3 header)   as following picture if an external oscillator is used

4. For SBW programming mode put header/jumpers on J13(2X2 header), and no jumpers on J12(2X5 header).

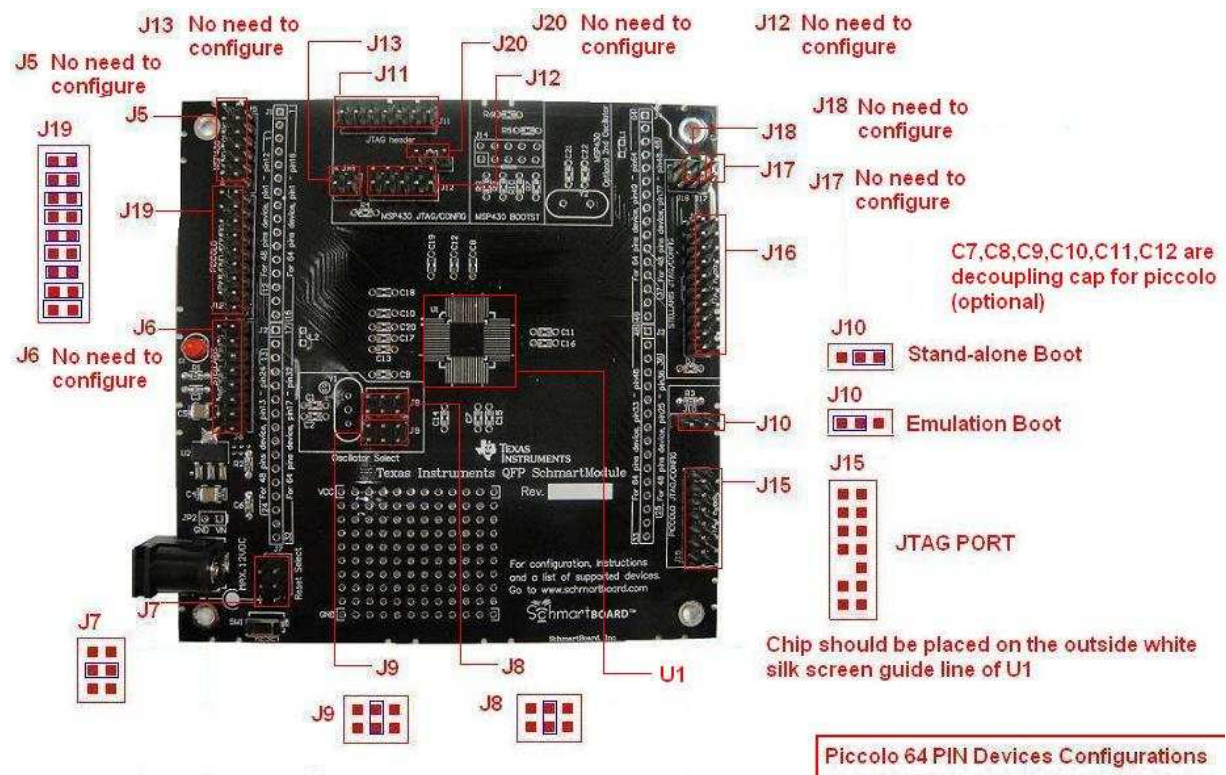   For JTAG programming mode put header/jumpers on J12, and no jumpers on J13

5. J20 configuration depend on the type of programmer or debugger. Please see the

   following picture for the configuration

6. J11(2X7 header) is the JTAG/SBW programming interface

Piccolo configuration

28X Piccolo series 64 pin devices are supported

1. Put jumpers on J9(2X9 header) as following picture for POWER/GND

2. Put jumpers on J7(2X3 header) as following picture for RESET

3. Put header/jumpers on J8(2X3 header) and J9(2X3 header) as following picture if a external oscillator is used

4. J10 configuration depend on the boot mode. Please see the following picture for the configuration

5. J15(2X7 header) is the JTAG programming interface

Piccolo 64 PIN Devices Configurations

Stellaris configuration

Stellaris 800-Series (48 pin), 600-Series (48 pin) and 300-Series (48 pin) devices

are supported

1. Put jumpers on J6(2X8 header) as following picture for POWER/GND

2. Put jumpers on J7(2X3 header) as following picture for RESET

3. Put header/jumpers on J8(2X3 header) and J9(2X3 header) as following picture if a external oscillator is used

4. For JTAG programming mode put header/jumpers on J18(2X2) header as following picture

For SWD programming mode put no jumpers on J18

5. J17 configuration depend on the type of programmer or debugger. Please see the

   following picture for the configuration

6. J16(2X7 header) is the JTAG/SWD programming interface

Stellaris X00 series 48 PIN Devices Configurations