

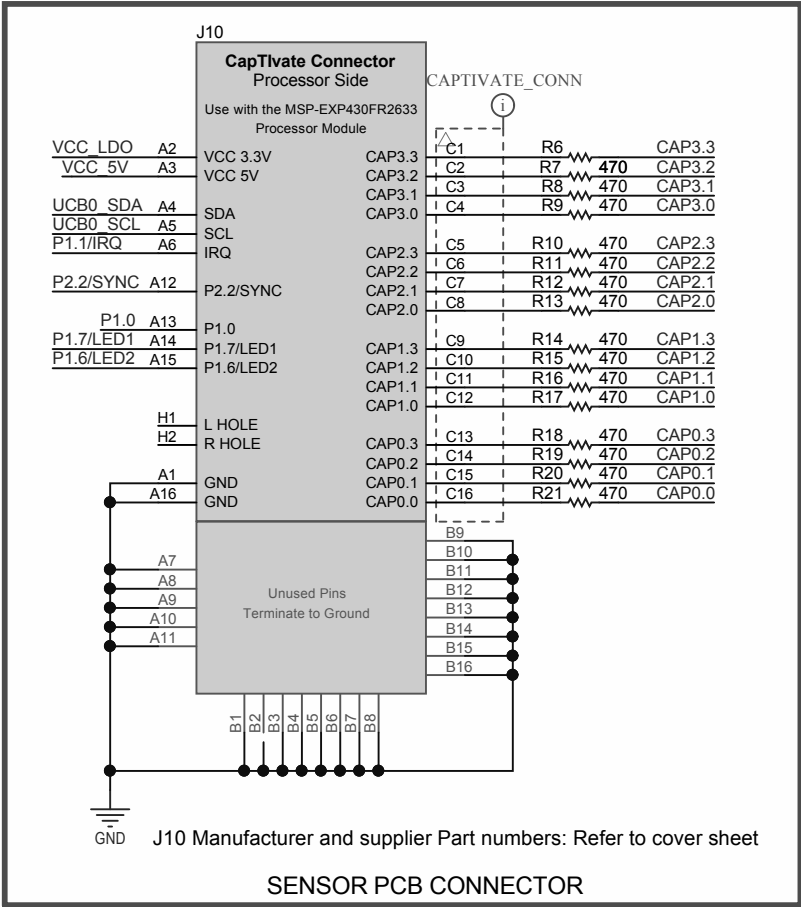
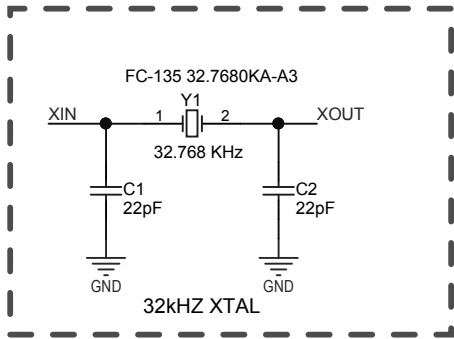
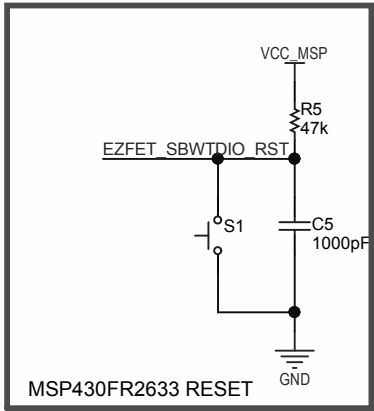
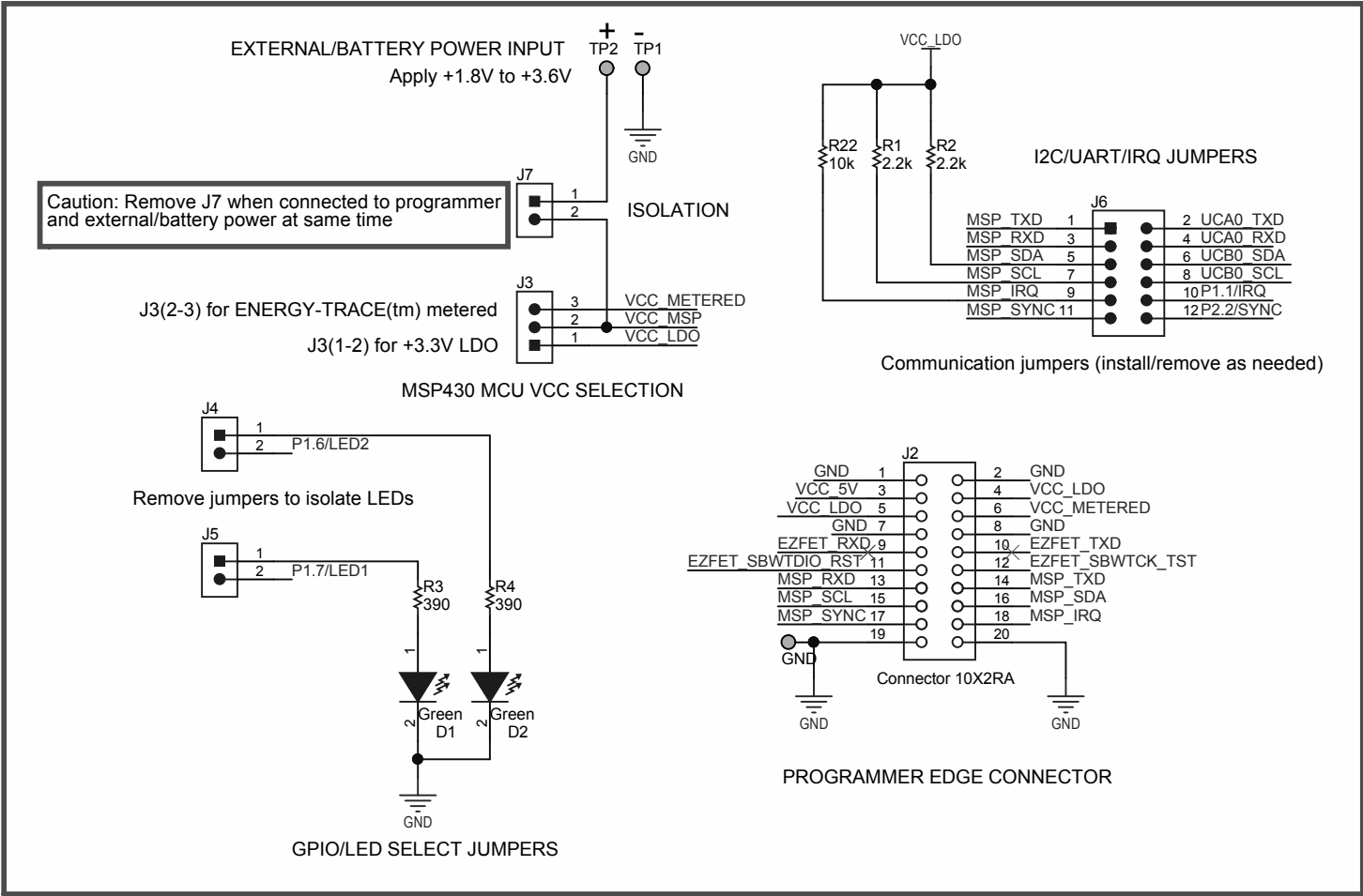
SCHEMATIC NOTES

1. FR2633 CVREG = low ESR 20%, X5R, 1uF
2. J2 20pin (FEMALE) connector is SAMTEC SSW-110-22-F-D-RA (low insertion force) (PREFERRED PART)
Alternate parts are SAMTEC SSW-110-02-F-D-RA (standard insertion force)
Alternate parts are SAMTEC SSW-110-x2-L-D-RA (optional gold finish)
Alternate parts are SAMTEC SSW-110-x2-G-D-RA
Alternate parts are SAMTEC SSW-108-x2-G-D-RA (16pin version)
3. J10 48pin (FEMALE) connector is a DIN 41512 Type 2C/2R; Manufacturer is Harting 09 28 248 6921 (Digikey 1195-1890-ND)

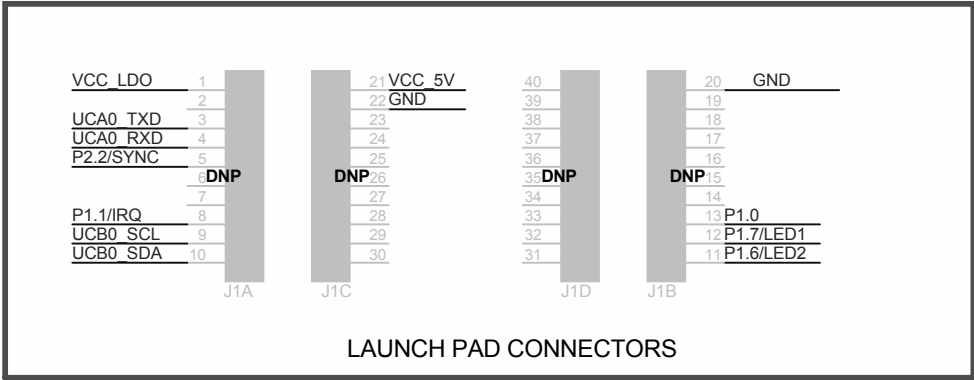
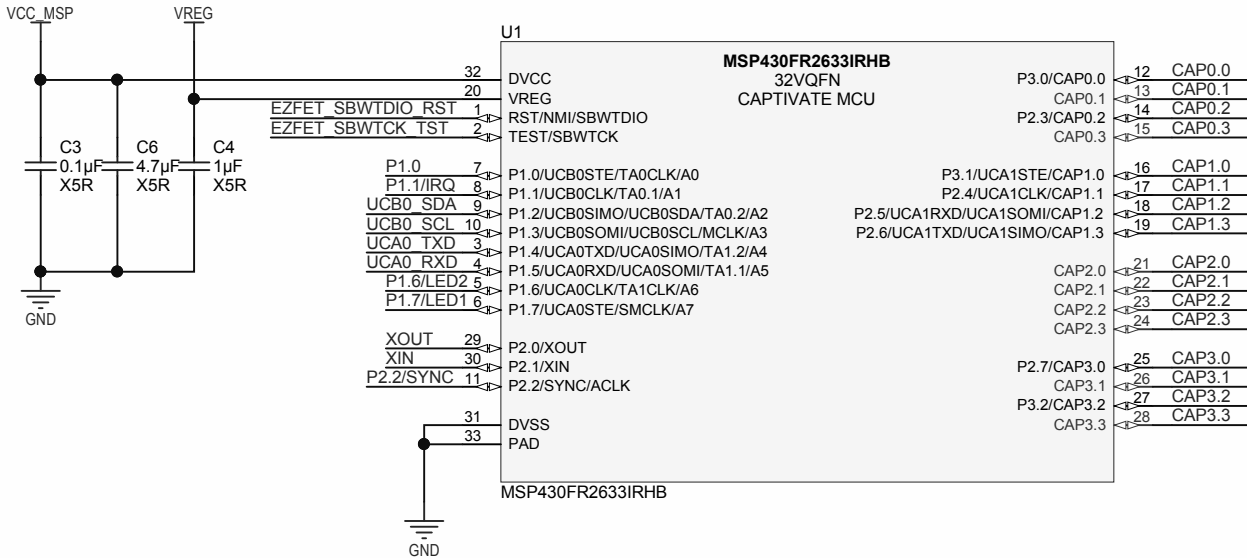
Alternate parts are AMP/TE 5650868-4 (Digikey A32306-ND)
Alternate parts are AMP/TE 5650868-5 (Digikey A32858-ND)
Alternate parts are AMP/TE 5650893-5 (Digikey A101945-ND)
Alternate parts are FCI 86093488613755E1LF (Digikey A6092114-ND)
4. Mating 48pin (MALE) connector is a DIN 41512 Type 2C/2R; Below are compatible part numbers
FCI 86093487313H55ELF (Digikey 609-4951-ND)
Harting 09 23 148 6921 (Digikey 1195-1856-ND)
Harting 09 23 148 2921 (Digikey 1195-1854-ND)
5. Suggested (MALE) BoosterPack header is SAMTEC DW-10-15-F-D-210
6. Suggested (FEMALE) BoosterPack connector is SAMTEC SSQ-110-23-G-D

Revision History			
Date	Sch Revision	PCB Revision	Notes
4/29/2015	A	A	Initial Version
	B	A	Updated Altium Library Component J10
	C	B	Change C1,C2 from 12pF to 22pF Moved J1 and P2 about 0.050" to align with center of PCB
6/17/2015	D	C	I2C/IRQ Pull-up resistors moved from VCC_MSP to VCC_LDO Added BoosterPack Connector (CapTlvate Library)

CAPTIVATE-FR2633

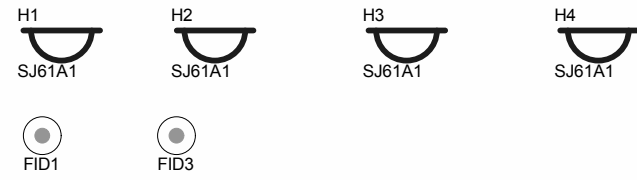


MSP430FR2633 CAPTIVATE MCU



CAPTIVATE-FR2633

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PCB Number: CAPTIVATE-FR2633

PCB Rev: C

Label Table	
Variant	Label Text
001	Production version
002	ChangeMe!

PCB

LOGO

Pb-Free Symbol

PCB

LOGO

Texas Instruments

PCB

LOGO

Texas Instruments



ZZ1

Assembly Note

All Jumpers to be installed (Note: J3 jumper installed between 3.3V LDO and MCU VCC pins)

ZZ2

Assembly Note

These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3

Assembly Note

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4

Assembly Note

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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