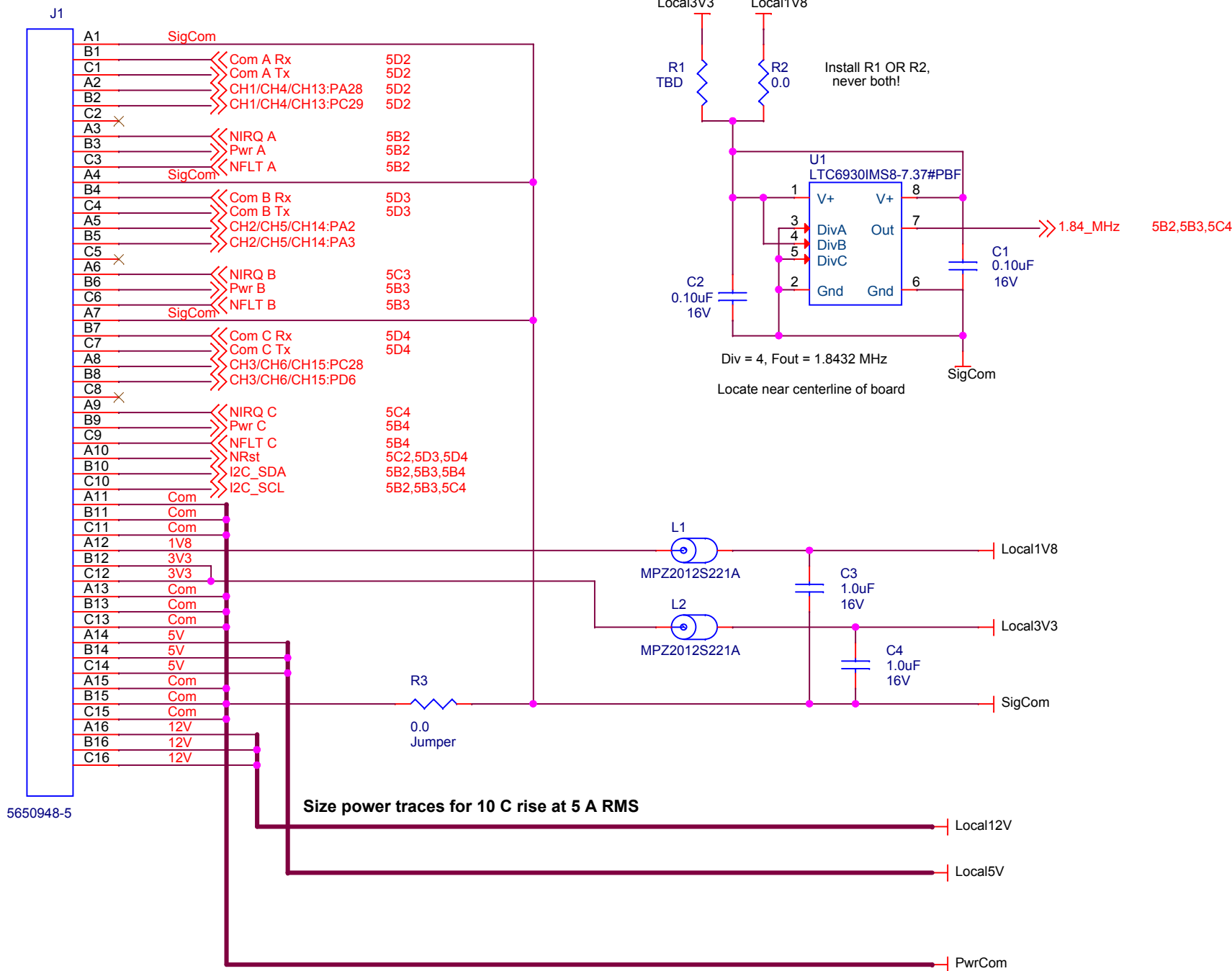


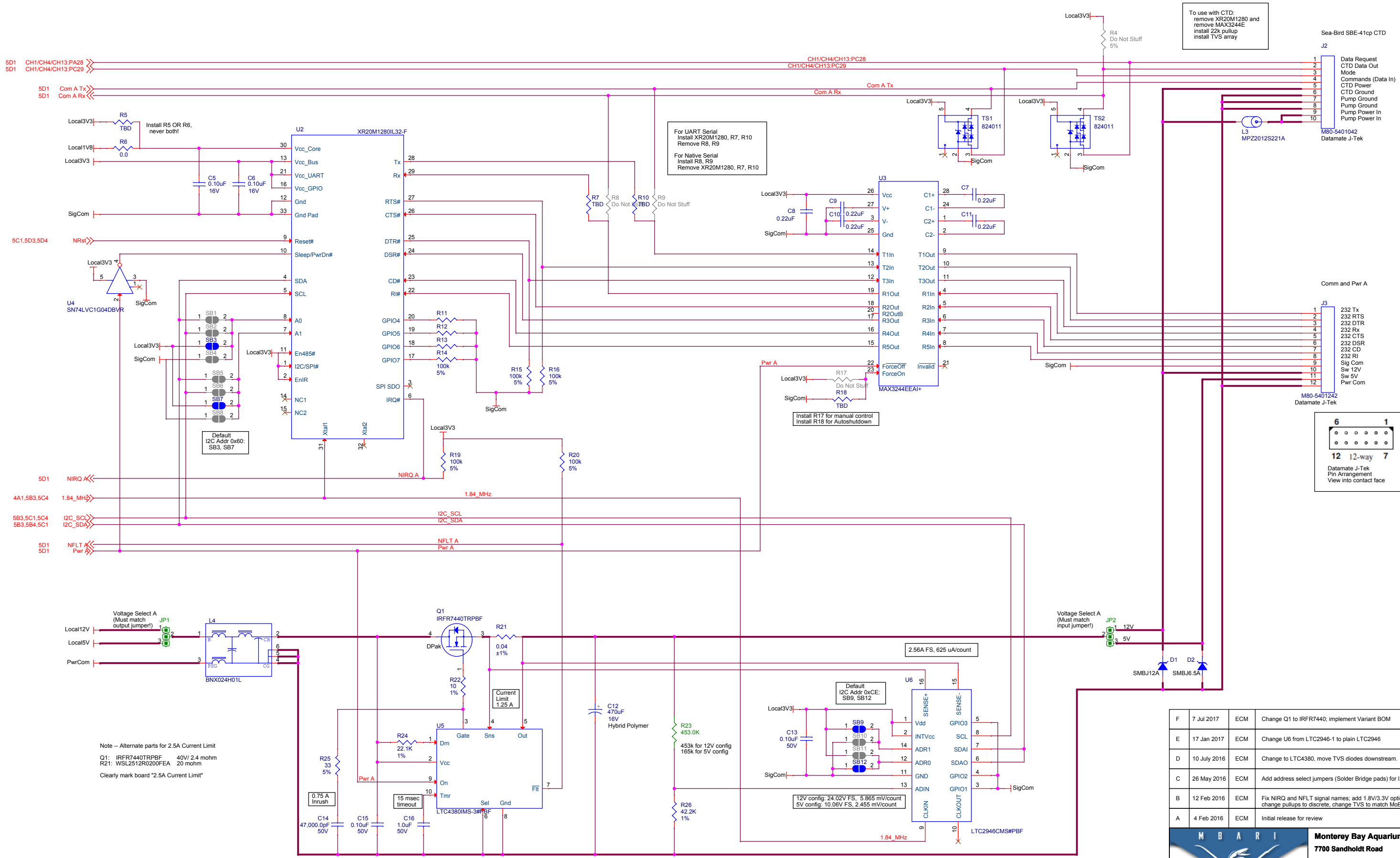


D	24 Aug 2016	ECM	Correct separation of Com and SigCom nets
C	26 May 2016	ECM	Change J1 signal names to match .XLS sheet 13 (18 Apr 16)
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for oscillator
A	4 Feb 2016	ECM	Initial release for review



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Title Schematic, Bus Interface, Power Switch Board, Coastal Profiling Float			Document Number 100221094	Rev D
Size B	Date: Wednesday, July 19, 2017	Engineer Mellinger	Sheet 1	of 5
Design File X:\CPFI\ELECTRICAL ENGR\ORCAD PROJECTS\IED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN				
Schematic Name 100221094CPF-PwrSwitchSchematic		Page Name 01BusInterface		Layout File <Layout File>

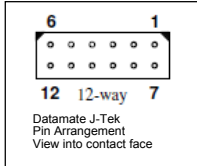


Note -- Alternate parts for 2.5A Current Limit
Q1: IFR7440TRPBF 40V/ 2.4 mohm
R21: WSL2512R0200FEA 20 mohm
Clearly mark board "2.5A Current Limit"

To use with CTD:
remove XR20M1280 and
remove MAX3244E
install 22k pullup
install TVS array

For UART Serial
Install XR20M1280, R7, R10
Remove R8, R9
For Native Serial
Install R8, R9
Remove XR20M1280, R7, R10

Install R17 for manual control
Install R18 for Autoshtutdown

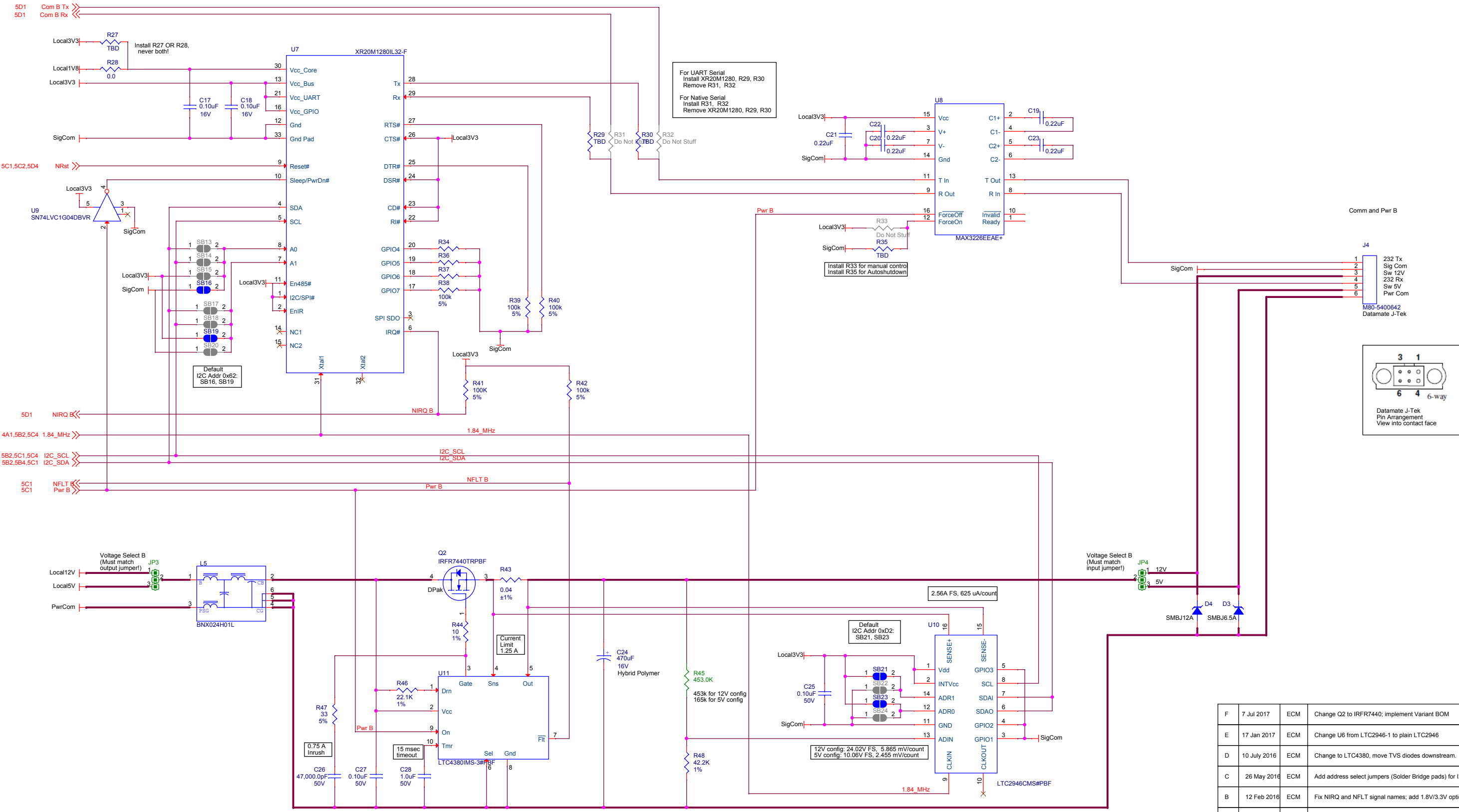


F	7 Jul 2017	ECM	Change Q1 to IFR7440; implement Variant BOM
E	17 Jan 2017	ECM	Change U6 from LTC2946-1 to plain LTC2946
D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRO and NFLT signal names; add 1.8V/3.3V option for UART; change pullups to discrete, change TVS to match MoBo.
A	4 Feb 2016	ECM	Initial release for review



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Title: Schematic, Channel A, Power Switch Board, Coastal Profiling Float		Document Number: 100221094	Rev: F
Size: Custom		Date: Thursday, July 20, 2017	Engineer: Mellinger
Design File: X:\CPFELECTRICAL ENGR\ORCAD PROJECTS\SED'S STUFF\SCHMATIC\100221094-CPF-POWERSWITCH.DSN		Page Name: 02ChannelA	Layout File: <Layout File>



F	7 Jul 2017	ECM	Change Q2 to IRRFR7440; implement Variant BOM
E	17 Jan 2017	ECM	Change U6 from LTC2946-1 to plain LTC2946
D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for UART
A	4 Feb 2016	ECM	Initial release for review



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Title		Schematic, Channel B, Power Switch Board, Coastal Profiling Float		Document Number	100221094	Rev	F
Size		Custom		SN 3 Well Lab Atlantic Optode			
Date:	Thursday, July 20, 2017	Engineer:	Mellinger	Sheet	3	of	5
Design File				X:\CPPI\ELECTRICAL\ENGR\ICAD PROJECTS\ED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN			
Schematic Name		100221094-CPF-PwrSwitchSchematic		Page Name		BChannelB	
Layout File		<Layout File>		Page Name		BChannelB	

