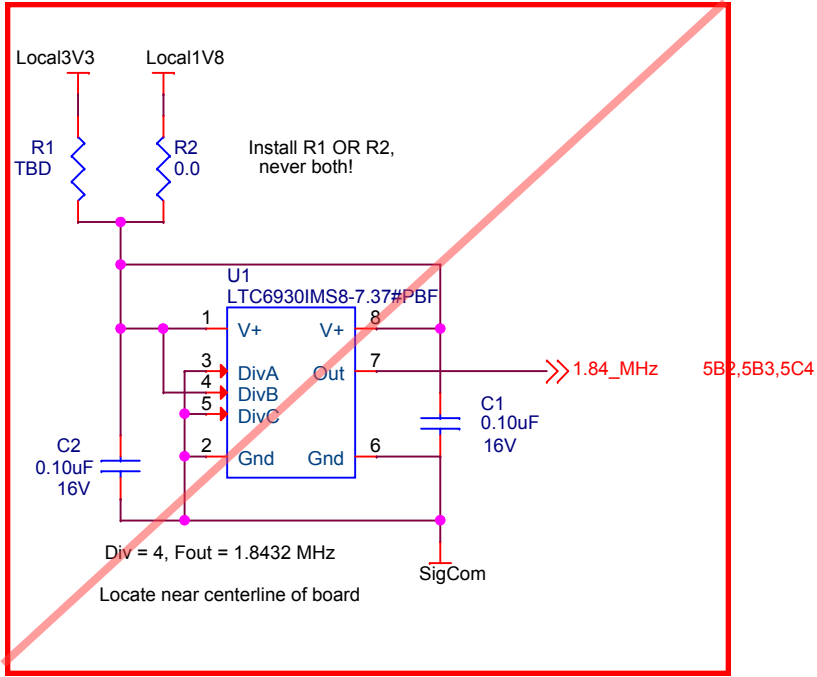
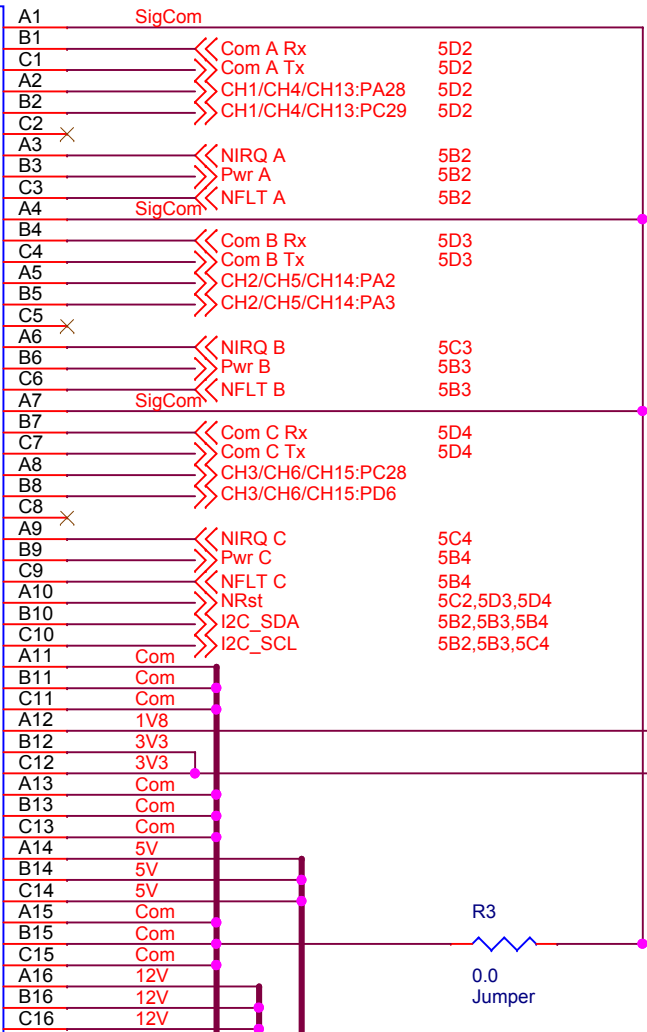


J1
5650948-5



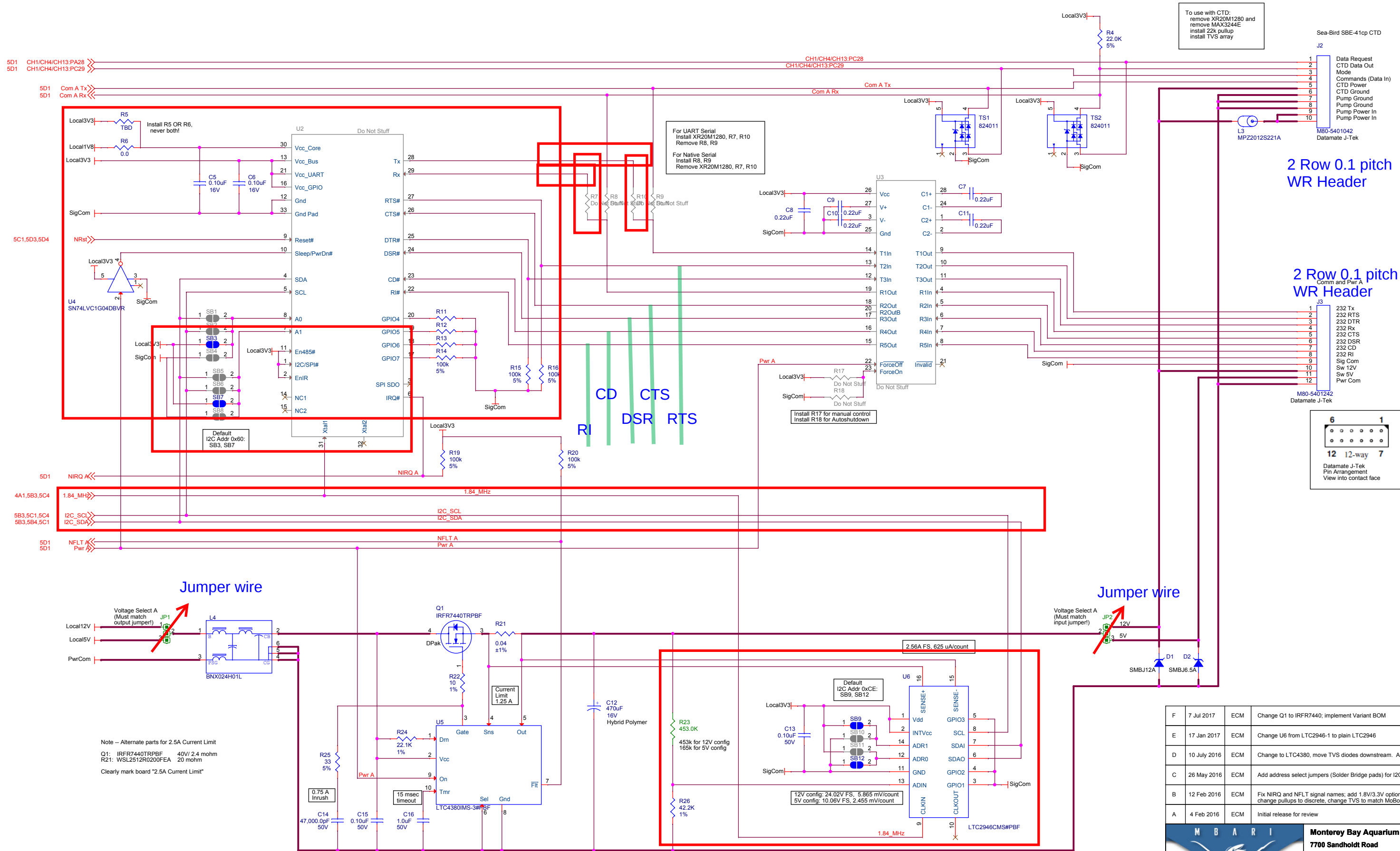
Size power traces for 10 C rise at 5 A RMS

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>

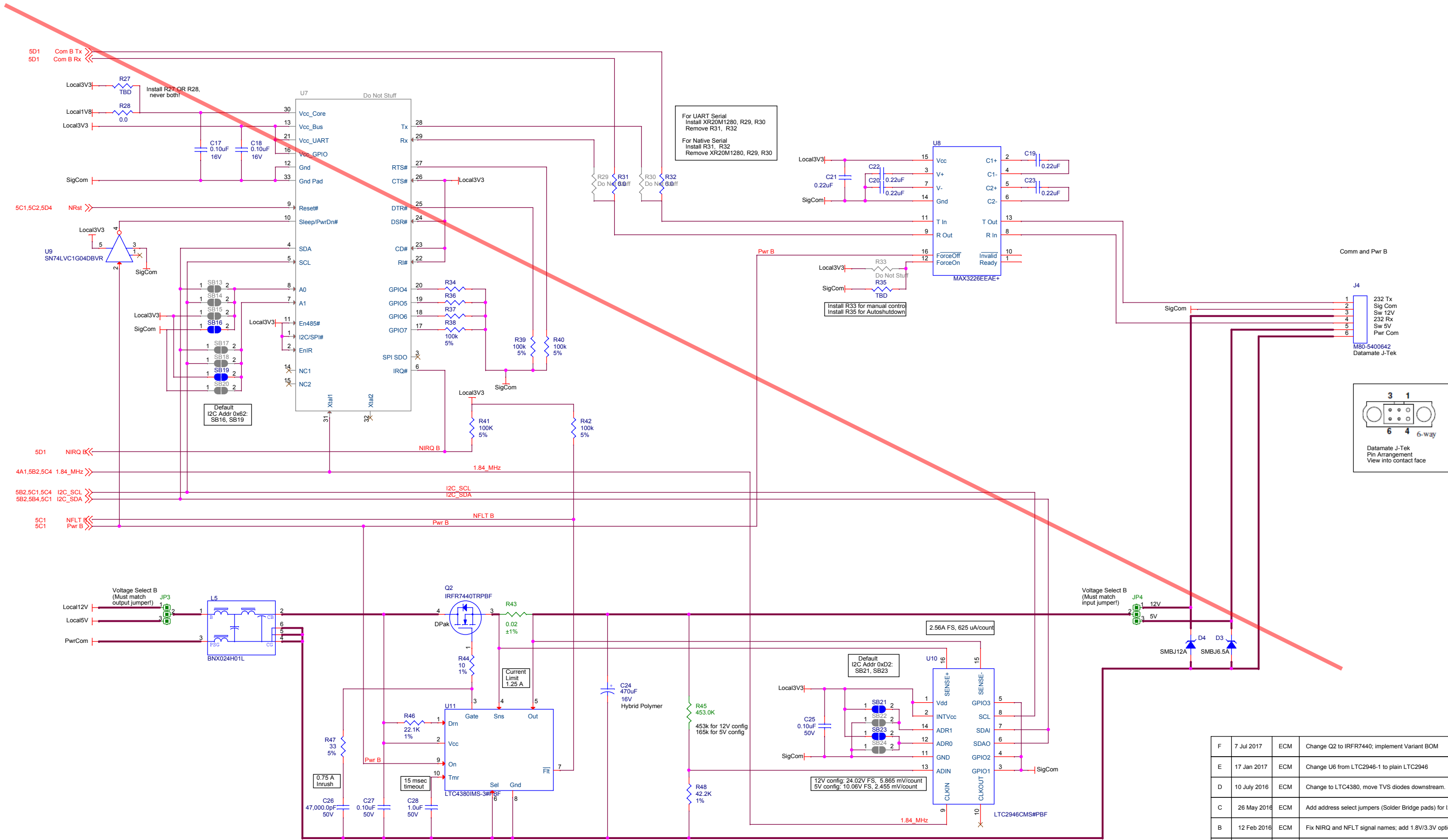


F	7 Jul 2017	ECM	Change Q1 to IFR7440; implement Variant BOM
E	17 Jan 2017	ECM	Change U6 from LTC2946-1 to plain LTC2946
D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	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:\CPPELECTRICAL\ENGR\ORCAD\PROJECTS\EDS\STUFF\SCHMATIC\100221094-CPF-POWERSWITCH.DSN		Page Name: 02ChannelA	Layout File: <Layout File>

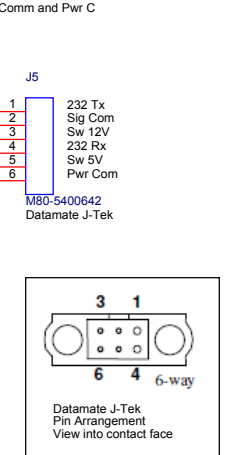
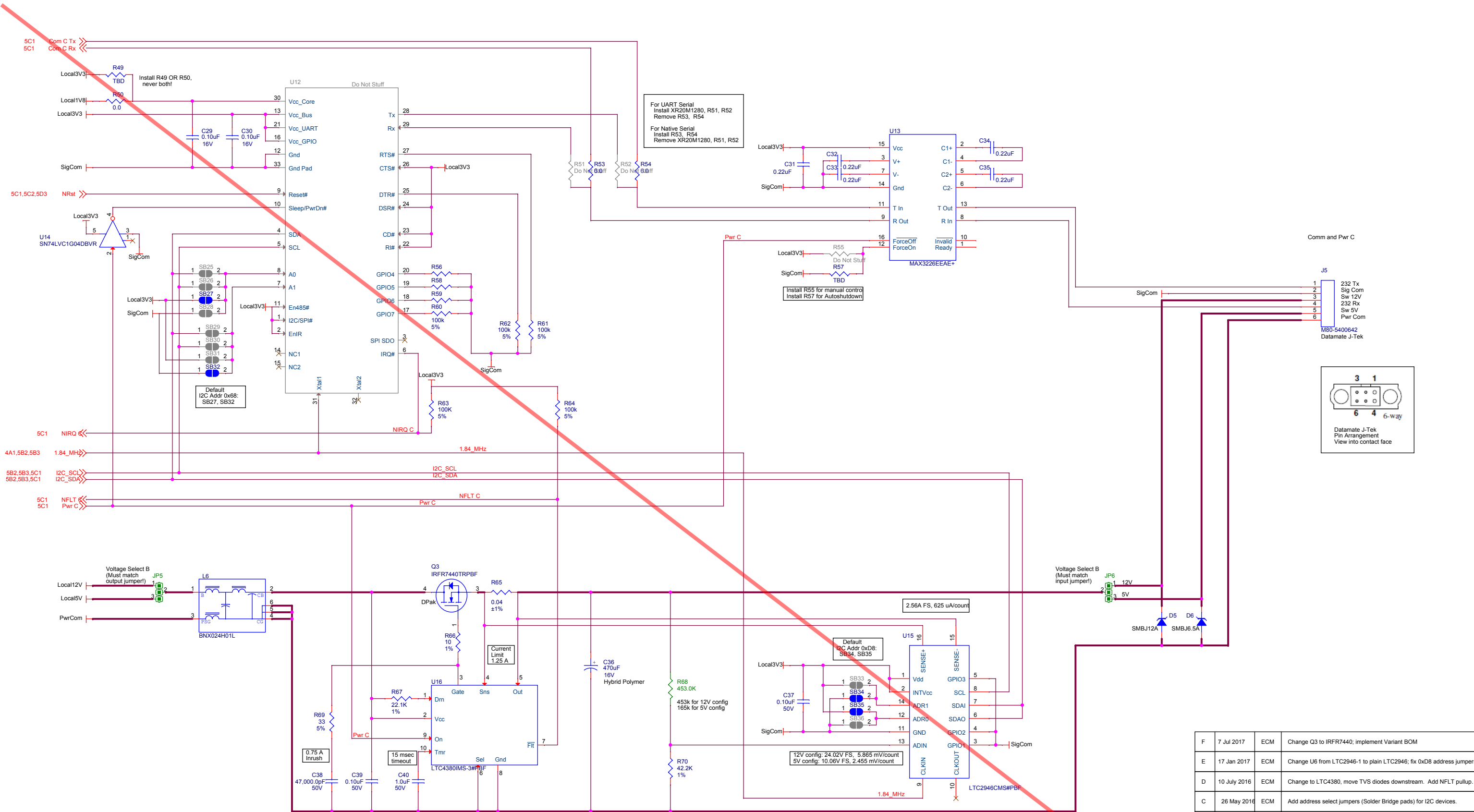


F	7 Jul 2017	ECM	Change Q2 to IRFR7440; implement Variant BOM
E	17 Jan 2017	ECM	Change U6 from LTC2946-1 to plain LTC2946
D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for UART
A	4 Feb 2016	ECM	Initial release for review

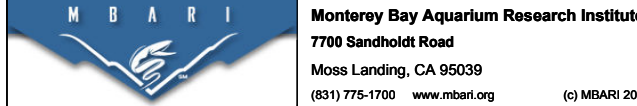


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Title		Schematic, Channel B, Power Switch Board, Coastal Profiling Float		Document Number	100221094	Rev	F
Size		Custom		SN 2 CTD Nitrate unused			
Date:		Thursday, July 20, 2017		Engineer	Mellinger	Sheet	3 of 5
Design File							
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Schematic Name		100221094-CPF-PwrSwitchSchematic		Page Name	03ChannelB	Layout File	<Layout File>



F	7 Jul 2017	ECM	Change Q3 to IREF7440; implement Variant BOM
E	17 Jan 2017	ECM	Change U6 from LTC2946-1 to plain LTC2946; fix 0xD8 address jumpers
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	1 Feb 2016	ECM	Initial release for review



Title		Schematic, Channel C, Power Switch Board, Coastal Profiling Float		Document Number	100221094	Rev	F
Size	Custom	Date	Wednesday, July 19, 2017	Engineer	Mellinger	Sheet	4 of 5
Design File							
X:\CPPIELECTRICAL\ENGR\ORCAD PROJECTS\EDS STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN							
Schematic Name		100221094CPF-PwrSwitchSchematic		Page Name	04ChannelC	Layout File	<Layout File>

