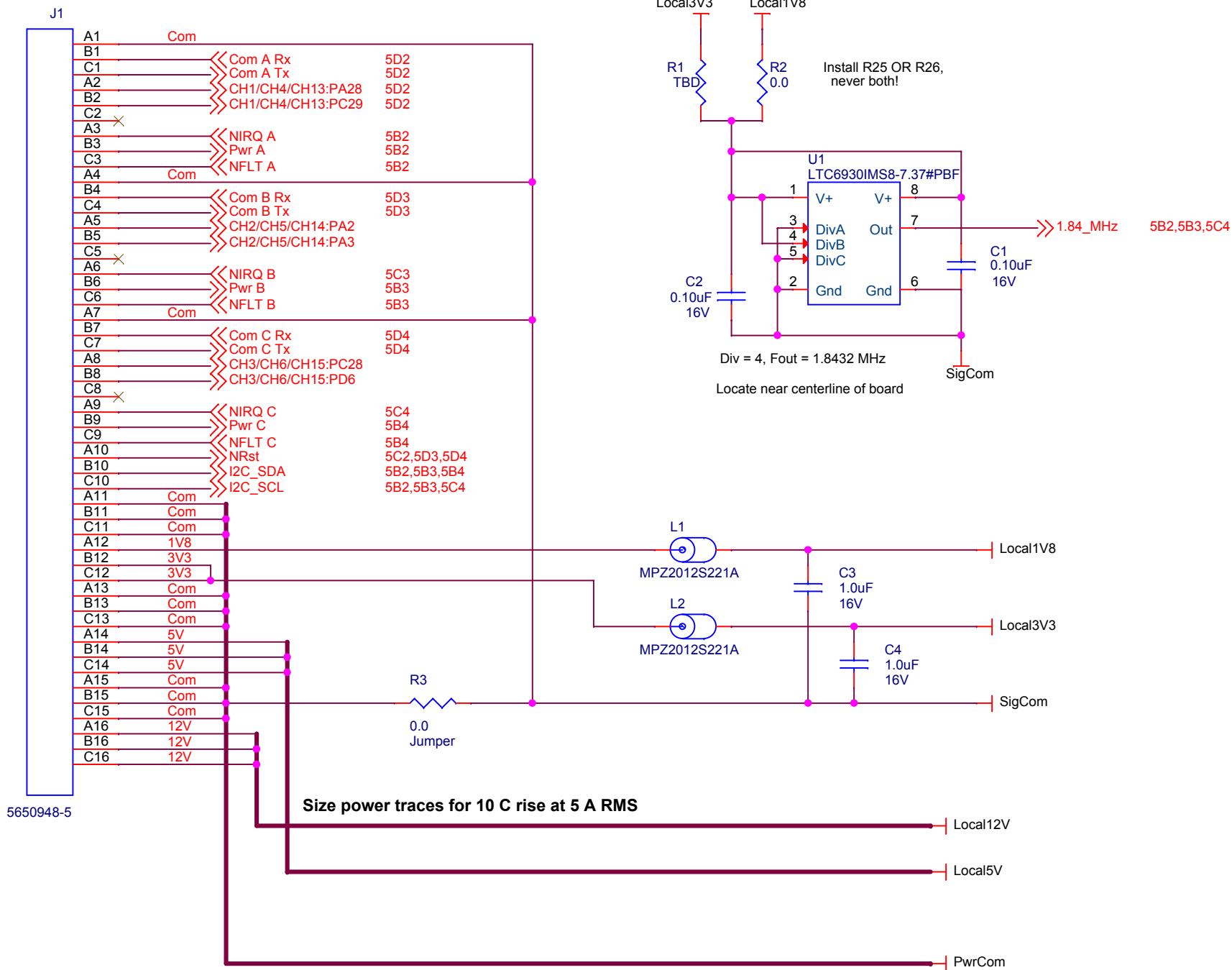


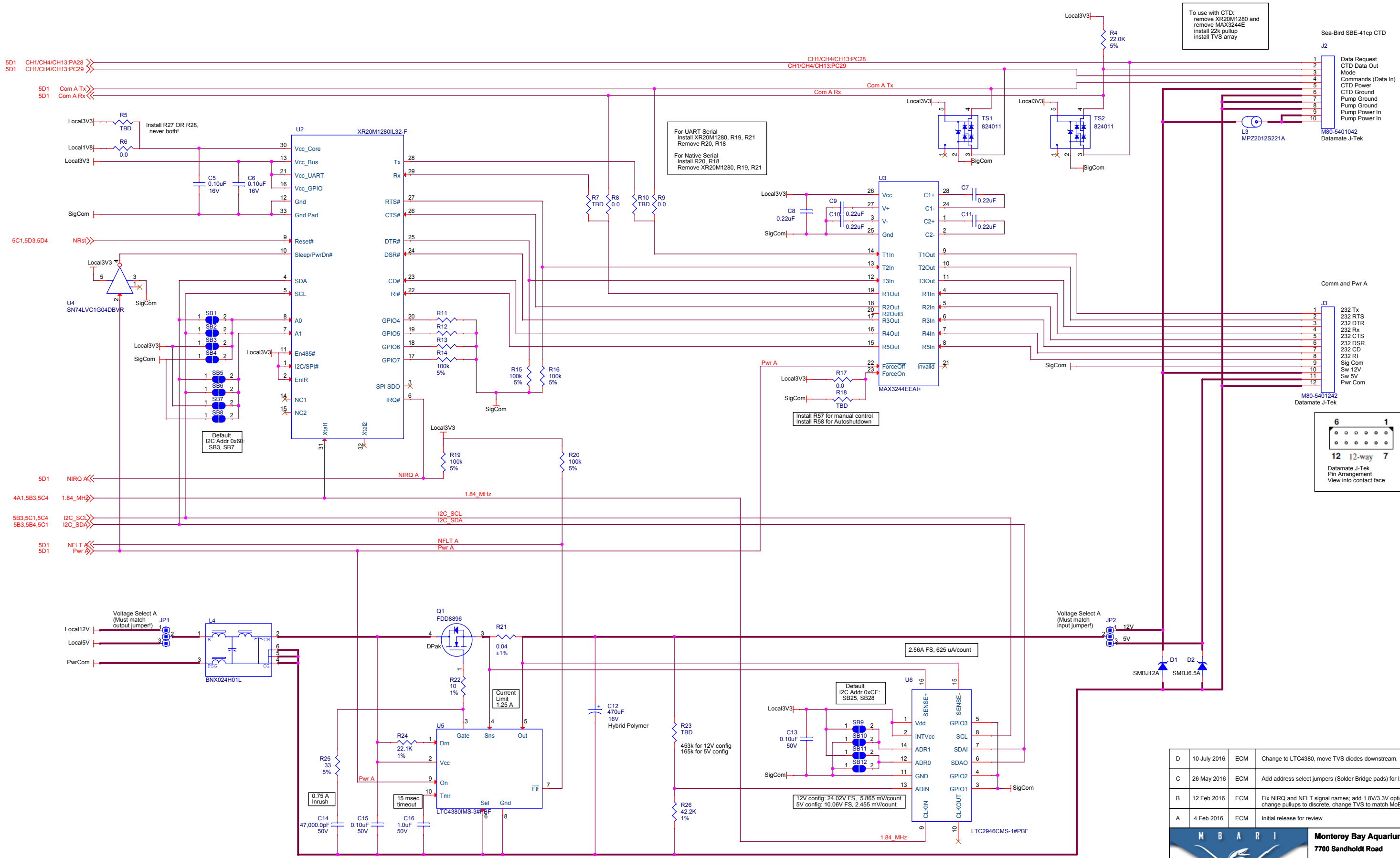


C	26 May 2016	ECM	Change J1 signal names to match .XLS sheet 13 (18 Apr 16)
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for oscillator
A	4 Feb 2016	ECM	Initial release for review



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Title Schematic, Bus Interface, Power Switch Board, Coastal Profiling Float			Document Number 100221094	Rev C
Size B	Date: Tuesday, July 12, 2016	Engineer Mellinger	Sheet 1	of 5
Design File X:\CPF\ELECTRICAL ENGR\IED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN				
Schematic Name 100221094CPF-PwrSwitchSchematic		Page Name 01BusInterface		Layout File <Layout File>



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

Sea-Bird SBE-41cp CTD

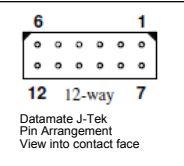
1	Data Request
2	CTD Data Out
3	Mode
4	Commands (Data In)
5	CTD Power
6	CTD Ground
7	Pump Ground
8	Pump Ground
9	Pump Power In
10	Pump Power In

M80-5401042
Datamate J-Tek

Comm and Pwr A

1	232 Tx
2	232 RTS
3	232 Rx
4	232 DTR
5	232 CTS
6	232 DSR
7	232 CD
8	232 RI
9	Sig Com
10	Sw 12V
11	Sw 5V
12	Pwr Com

M80-5401242
Datamate J-Tek

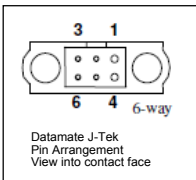
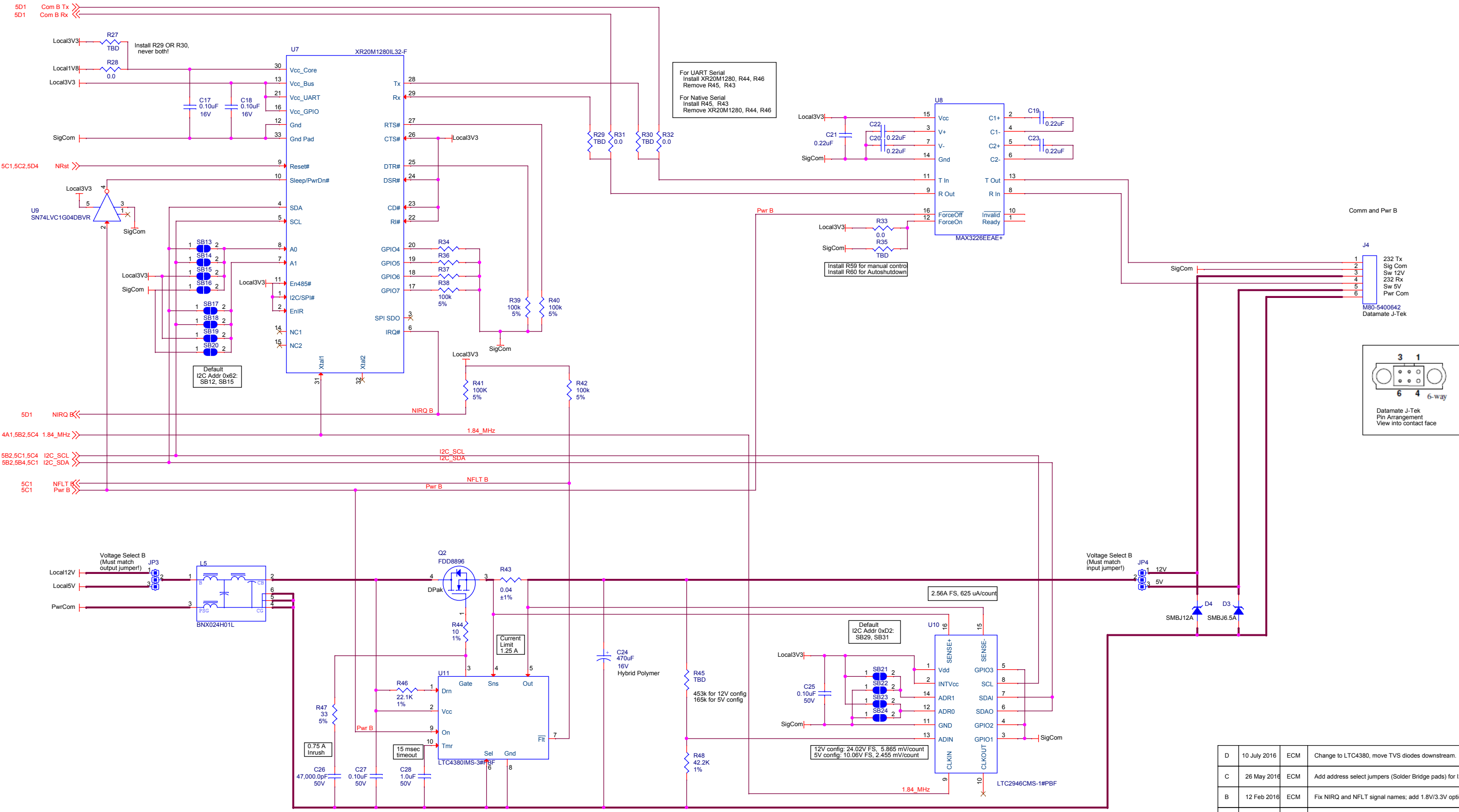


D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRO and NFLT signal names; add 1.8V/3.3V option for UART; change pullups to discrete, change TVS to match MoBo.
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 D
Size Custom	Date Tuesday, July 12, 2016	Engineer Mollinger	Sheet 2	of 5
Design File X:\CPFELECTRICAL\ENGRIED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN				
Schematic Name 100221094-CPF-PwrSwitchSchematic		Page Name 02ChannelA	Layout File <Layout File>	

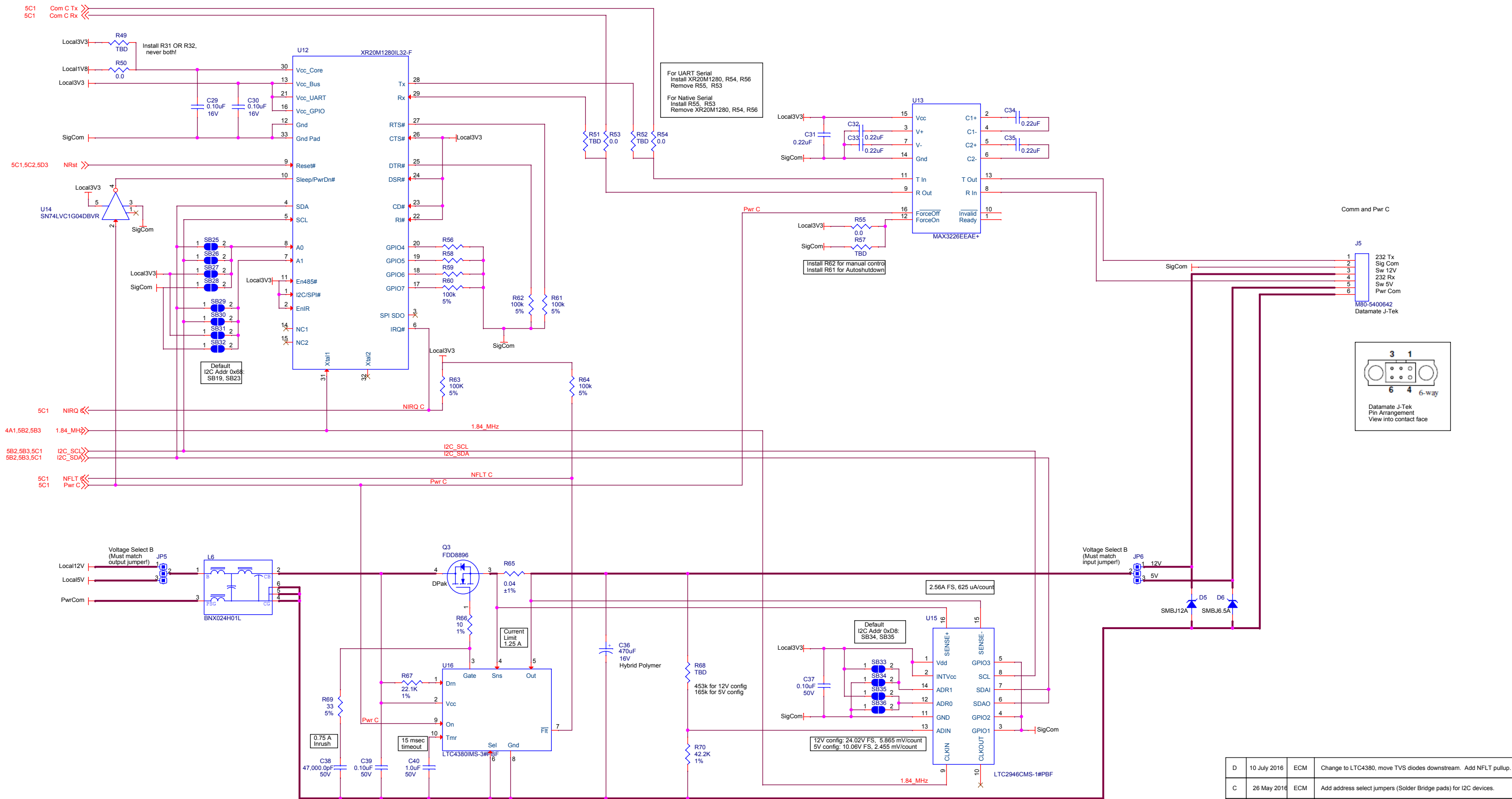


D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for UART
A	4 Feb 2016	ECM	Initial release for review



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Title		Document Number		Rev
Schematic, Channel B, Power Switch Board, Coastal Profiling Float		100221094		D
Size	Date:	Engineer	Sheet	of
Custom	Tuesday, July 12, 2016	Mollinger	3	5
Design File				
X:\CP\FELECTRICAL ENGR'D'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN				
Schematic Name		Page Name	Layout File	
100221094-CPF-PwrSwitchSchematic		03ChannelB	<Layout File>	



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 C, Power Switch Board, Coastal Profiling Float	
Size		Document Number	Rev
Custom		100221094	D
Date:		Engineer	Sheet of
Tuesday, July 12, 2016		Mellinger	4 5
Design File			
X:\CPPELECTRICAL\ENGR\ED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN			
Schematic Name		Page Name	Layout File
100221094CPF-PwrSwitchSchematic		04ChannelC	<Layout File>

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