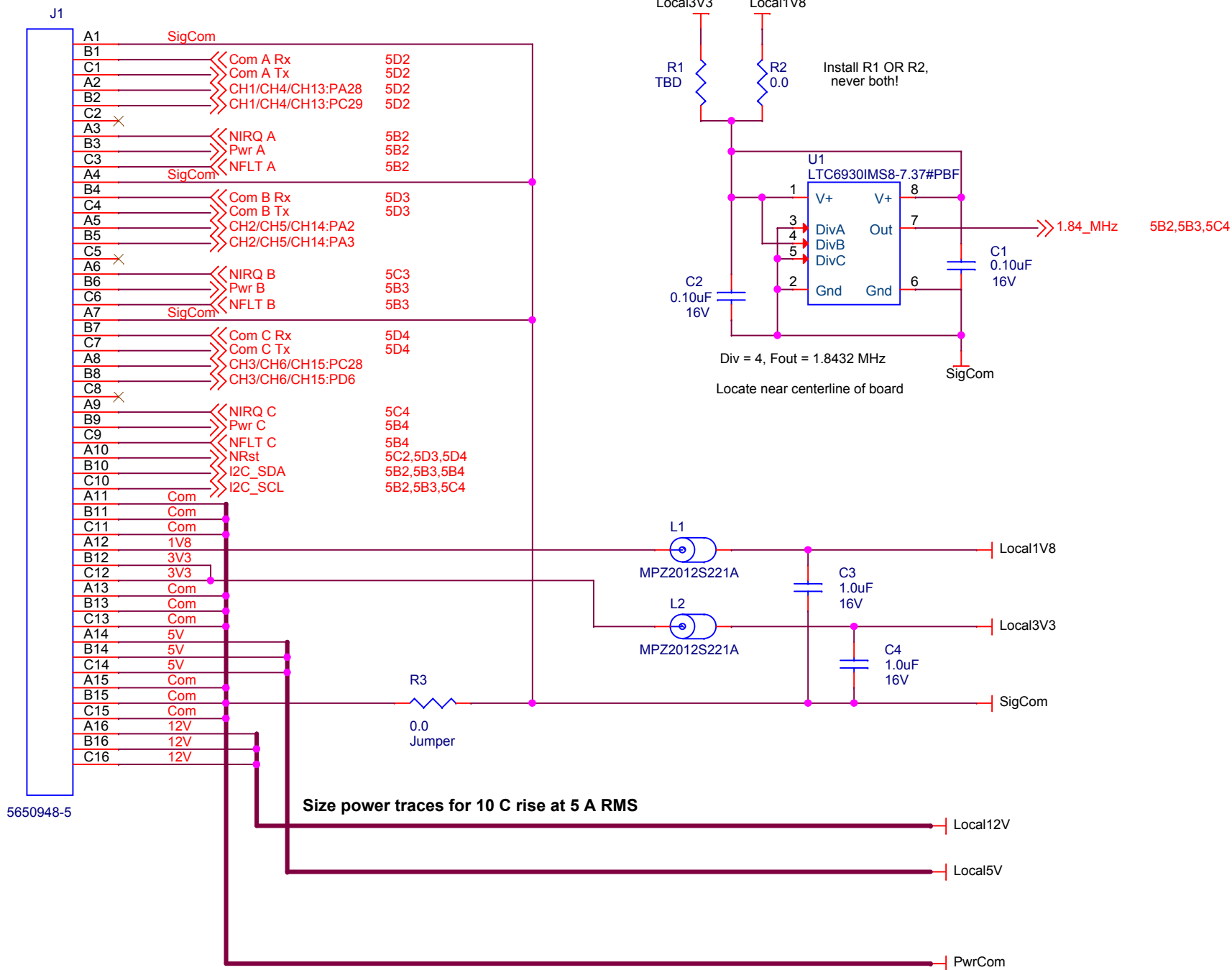


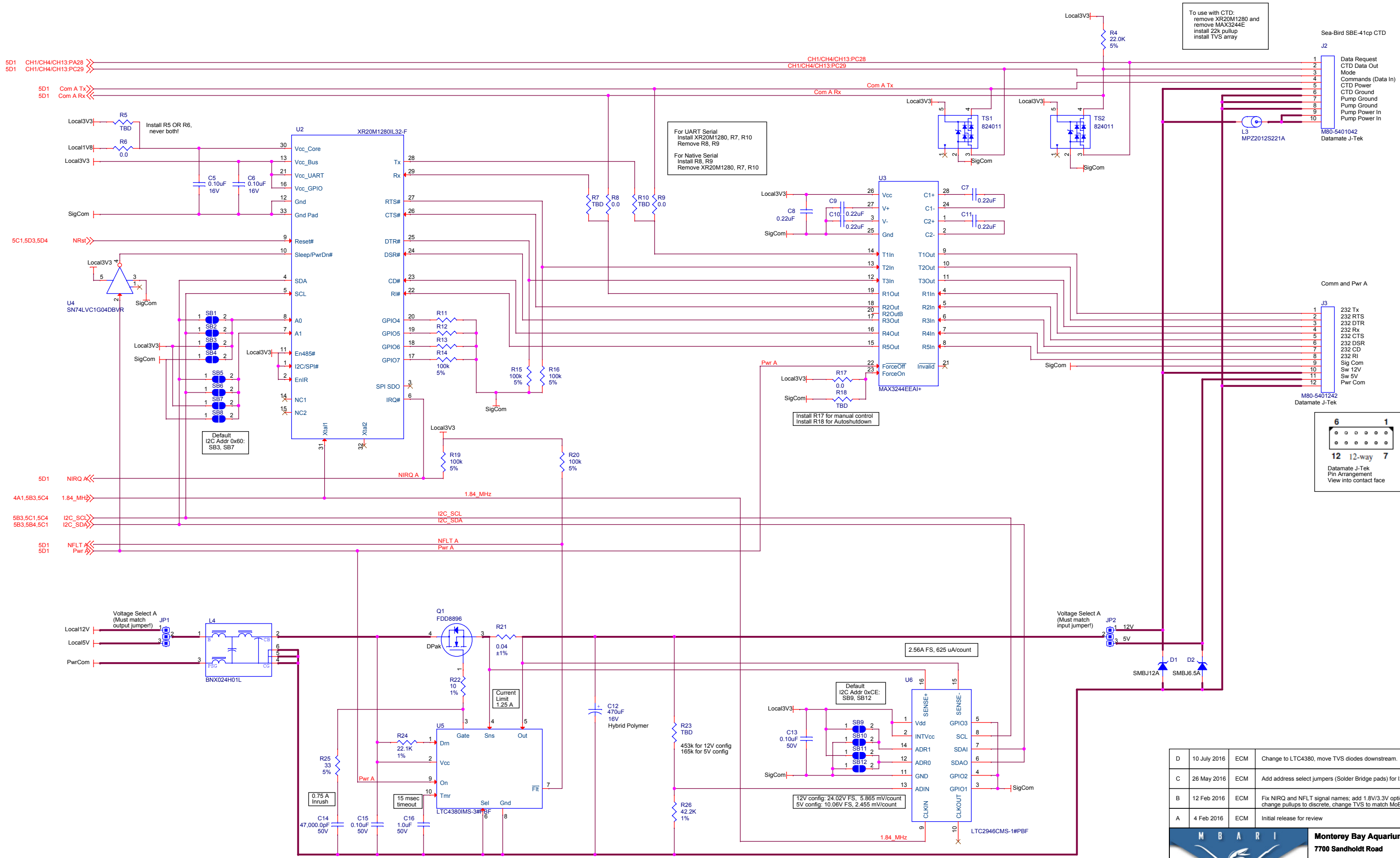


D	24 Aug 2016	ECM	Correct separation of Com and SigCom nets
C	26 May 2016	ECM	Change J1 signal names to match .XLS sheet 13 (18 Apr 16)
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for oscillator
A	4 Feb 2016	ECM	Initial release for review



Monterey Bay Aquarium Research Institute
7700 Sandholdt Road
Moss Landing, CA 95039
(831) 775-1700 www.mbari.org (c) MBARI 2015

Title Schematic, Bus Interface, Power Switch Board, Coastal Profiling Float			Document Number 100221094	Rev D
Size B	Date: Wednesday, September 21, 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>

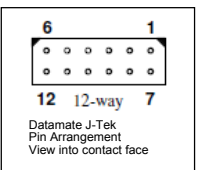


To use with CTD:
remove XR20M1280 and
remove MAX3244E
install 22k pullup
install TVS array

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

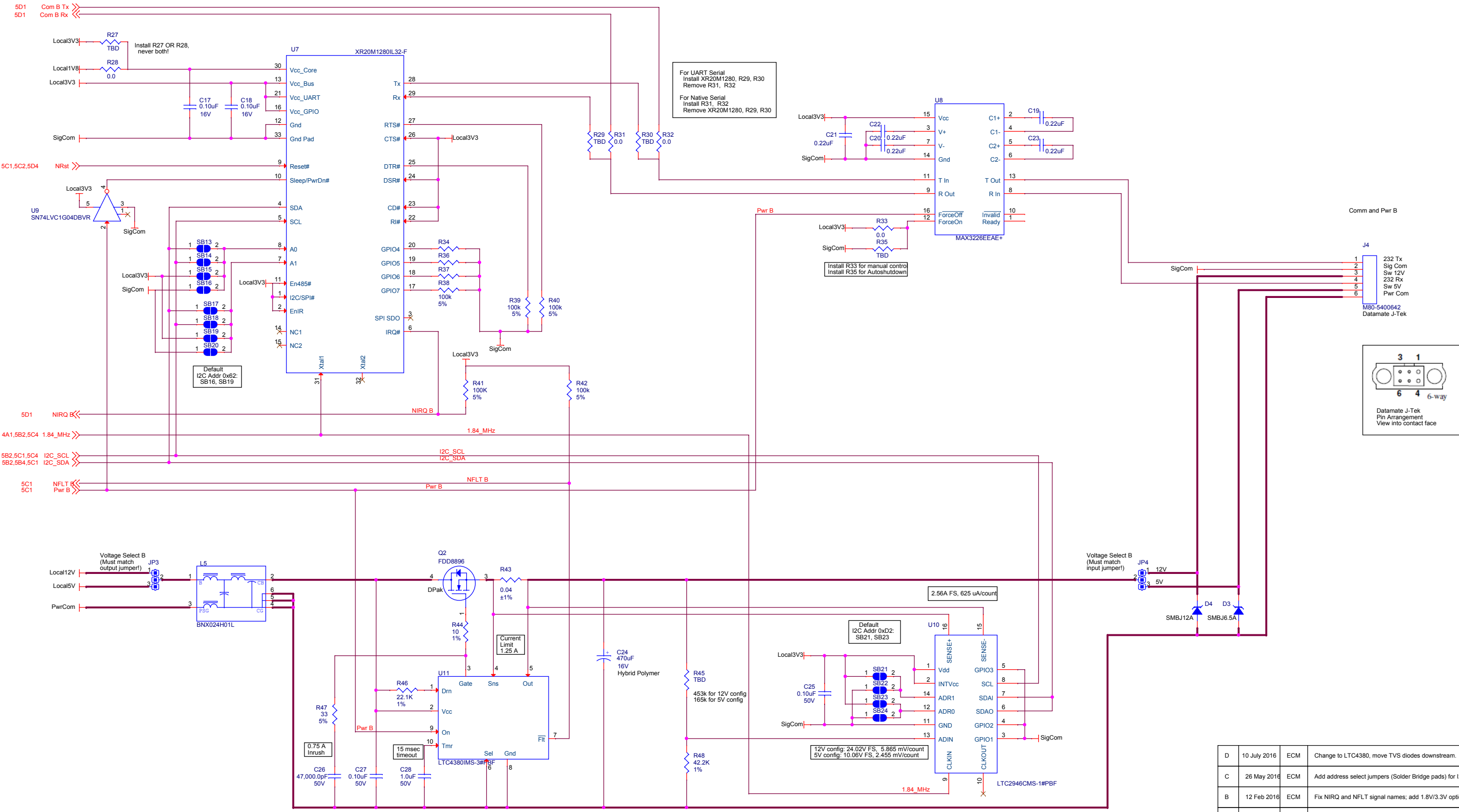


D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRO and NFLT signal names; add 1.8V/3.3V option for UART; change pullups to discrete, change TVS to match MoBo.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



Monterey Bay Aquarium Research Institute
7700 Sandholdt Road
Moss Landing, CA 95039
(831) 775-1700 www.mbari.org (c) MBARI 2015

Title Schematic, Channel A, Power Switch Board, Coastal Profiling Float			Document Number 100221094	Rev D
Size Custom	Date Wednesday, September 21, 2016	Engineer Mollinger	Sheet 2	of 5
Design File X:\CP\FELECTRICAL\ENGR\ED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN				
Schematic Name 100221094-CPF-PwrSwitchSchematic		Page Name 02ChannelA	Layout File <Layout File>	

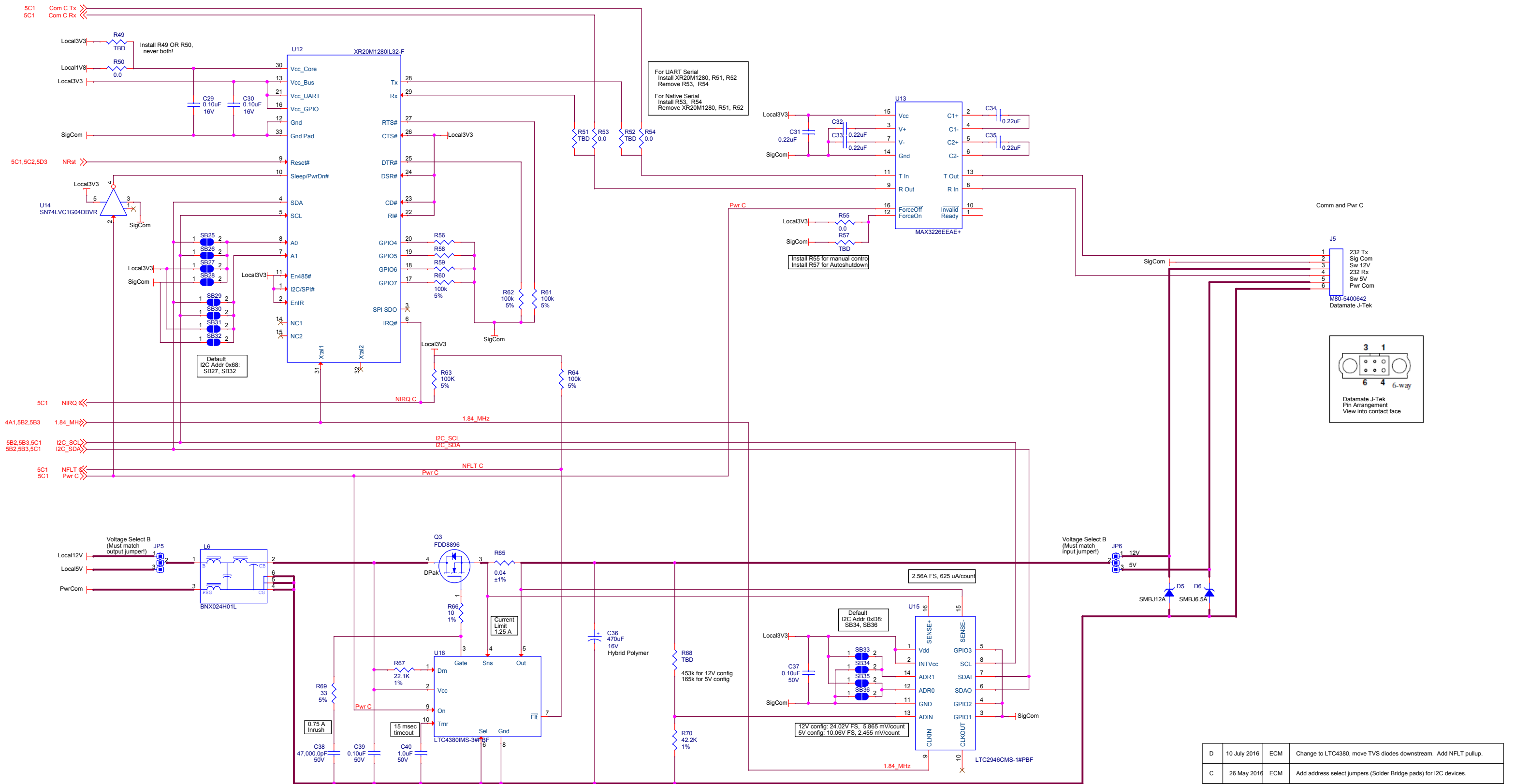


D	10 July 2016	ECM	Change to LTC4380, move TVS diodes downstream. Add NFLT pullup.
C	26 May 2016	ECM	Add address select jumpers (Solder Bridge pads) for I2C devices.
B	12 Feb 2016	ECM	Fix NIRQ and NFLT signal names; add 1.8V/3.3V option for UART
A	4 Feb 2016	ECM	Initial release for review



Monterey Bay Aquarium Research Institute
7700 Sandholdt Road
Moss Landing, CA 95039
(831) 775-1700 www.mbari.org (c) MBARI 2015

Title Schematic, Channel B, Power Switch Board, Coastal Profiling Float			Document Number 100221094	Rev D
Size Custom	Date: Wednesday, September 21, 2016	Engineer Mellinger	Sheet 3	of 5
Design File X:\CP\FELECTRICAL\ENGRIED'S STUFFS\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN				
Schematic Name 100221094-CPF-PwrSwitchSchematic		Page Name 03ChannelB	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

		Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039 (831) 775-1700 www.mbari.org (c) MBARI 2015	
Title		Schematic, Channel C, Power Switch Board, Coastal Profiling Float	
Size	Date:	Document Number	Rev
Custom	Wednesday, September 21, 2016	100221094	D
Design File		Engineer	Sheet of
X:\CPPELECTRICAL\ENGRIED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN		Mellinger	4 5
Schematic Name		Page Name	Layout File
100221094CPF-PwrSwitchSchematic		04ChannelC	<Layout File>

