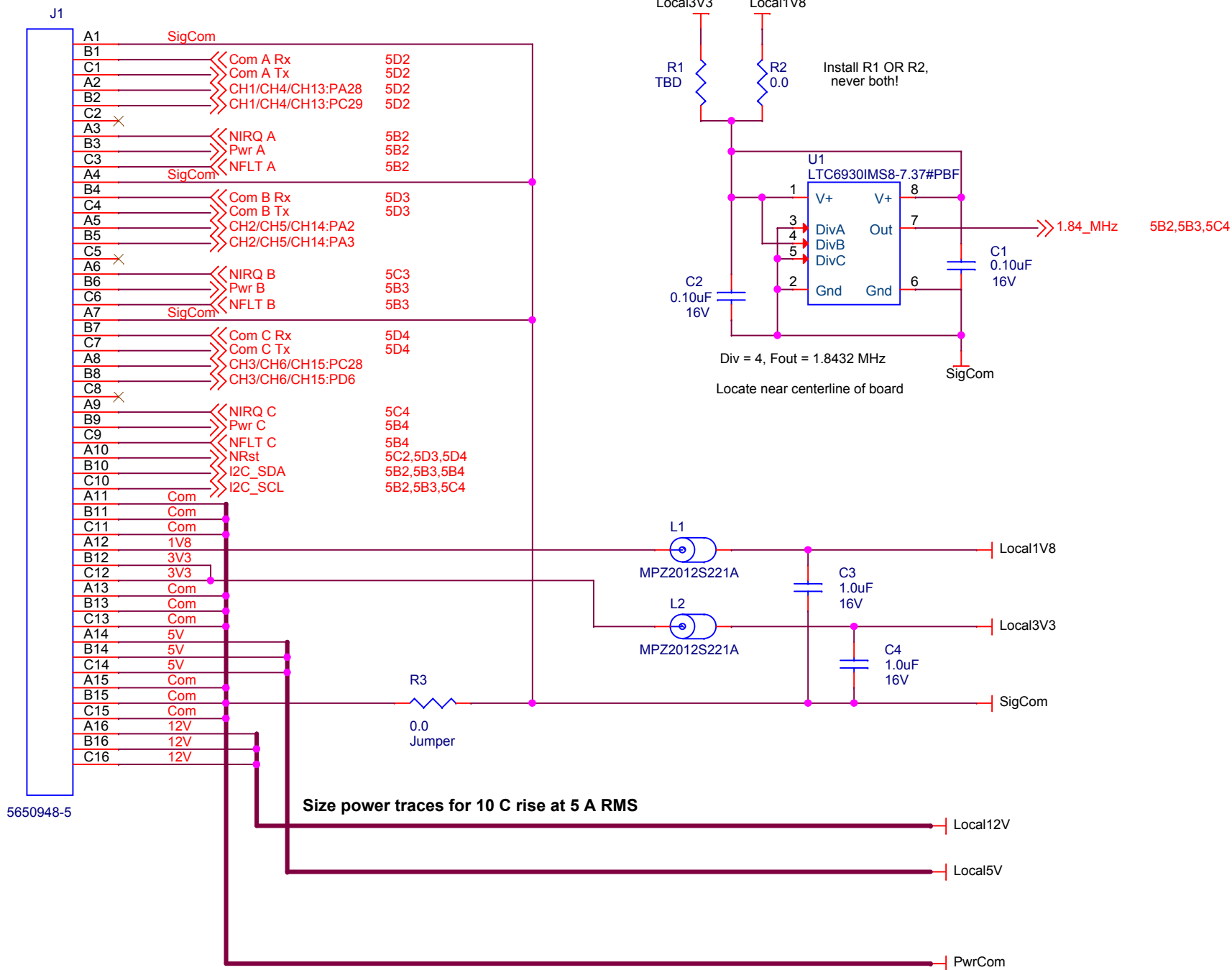


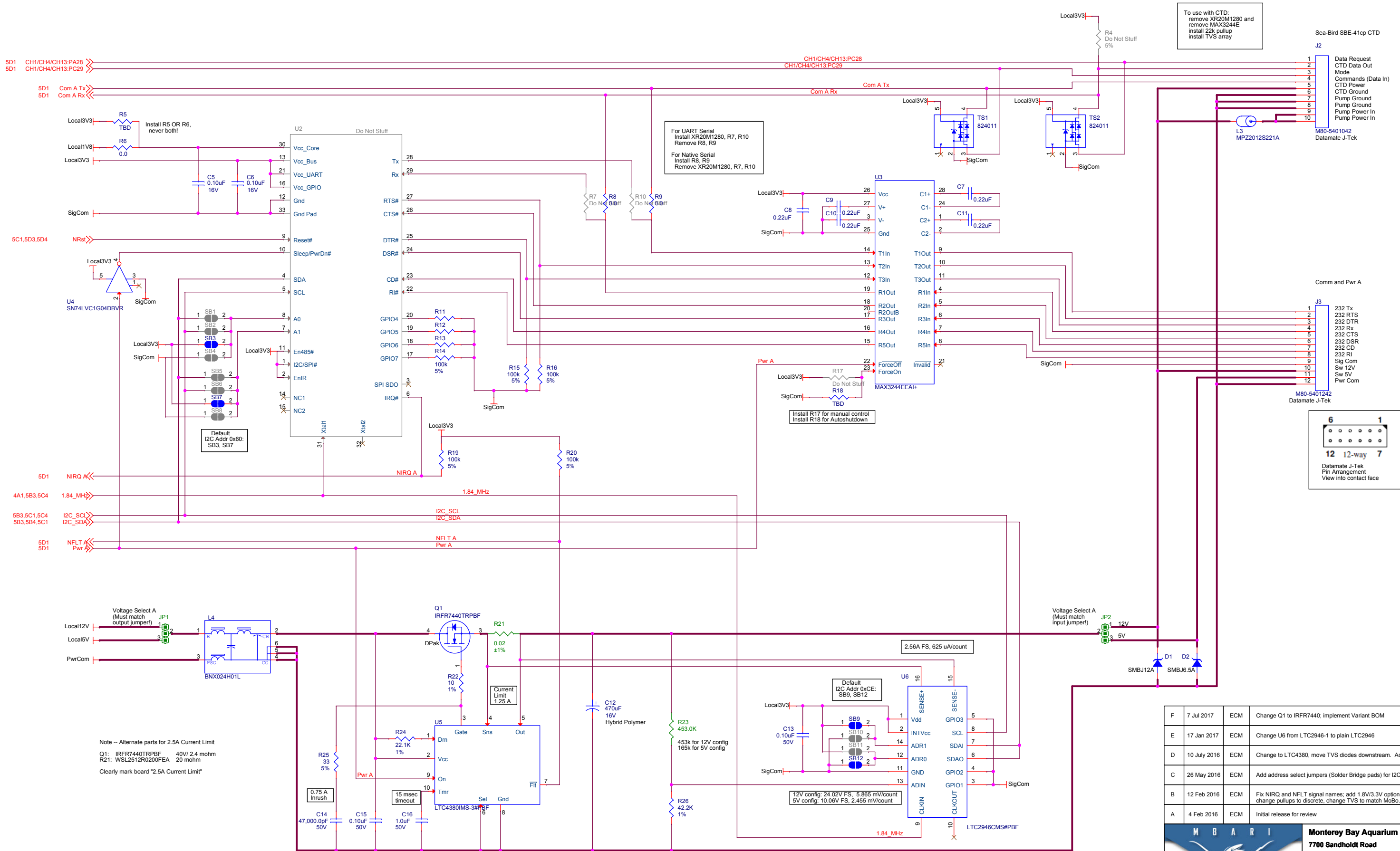


|   |             |     |                                                                     |
|---|-------------|-----|---------------------------------------------------------------------|
| D | 24 Aug 2016 | ECM | Correct separation of Com and SigCom nets                           |
| C | 26 May 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<br><b>Schematic, Bus Interface, Power Switch Board, Coastal Profiling Float</b>                             |                                          |                                    | Document Number<br><b>100221094</b> | Rev<br><b>D</b>                           |
| Size<br><b>B</b>                                                                                                  | Date:<br><b>Wednesday, July 19, 2017</b> | Engineer<br><b>Mellinger</b>       | Sheet<br><b>1</b>                   | of<br><b>5</b>                            |
| Design File<br><b>X:\CPFI\ELECTRICAL ENGR\ORCAD PROJECTS\IED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN</b> |                                          |                                    |                                     |                                           |
| Schematic Name<br><b>100221094CPF-PwrSwitchSchematic</b>                                                          |                                          | Page Name<br><b>01BusInterface</b> |                                     | Layout File<br><b>&lt;Layout File&gt;</b> |

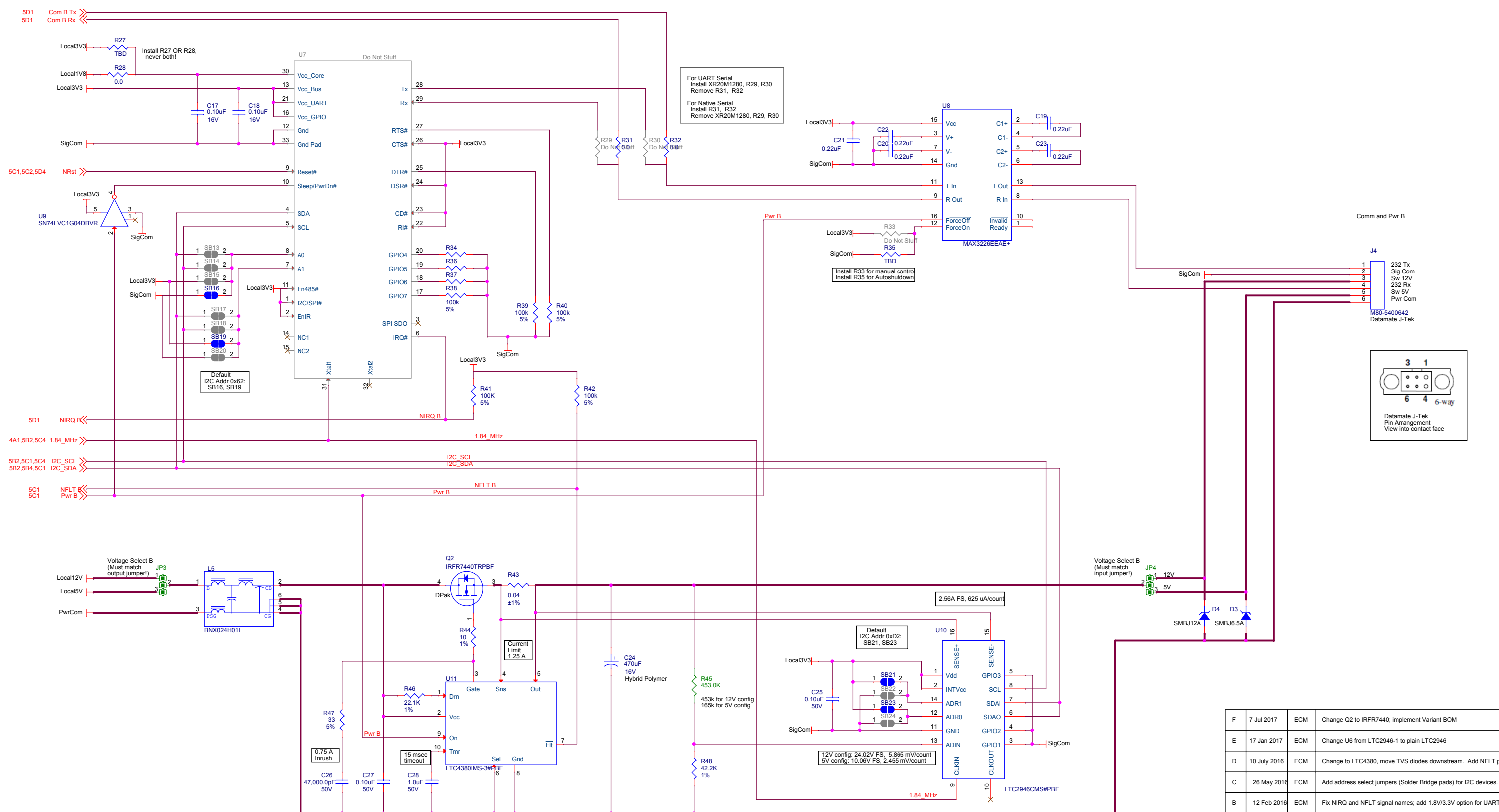


|   |              |     |                                                                                                                       |
|---|--------------|-----|-----------------------------------------------------------------------------------------------------------------------|
| F | 7 Jul 2017   | ECM | Change Q1 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 NIROQ 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                                                                                      |       | SN 1 Iridium Bluetooth Motor                                      |  |                 |               |       |        |
| Custom                                                                                    | Date: | Thursday, July 20, 2017                                           |  | Engineer        | Mellinger     | Sheet | 2 of 5 |
| Design File                                                                               |       |                                                                   |  |                 |               |       |        |
| X:\CPFELECTRICAL\ENGR\ORCAD PROJECTS\SED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN |       |                                                                   |  |                 |               |       |        |
| Schematic Name                                                                            |       | 100221094-CPF-PwrSwitchSchematic                                  |  | Page Name       | @ChannelA     |       |        |
|                                                                                           |       |                                                                   |  | Layout File     | <Layout File> |       |        |

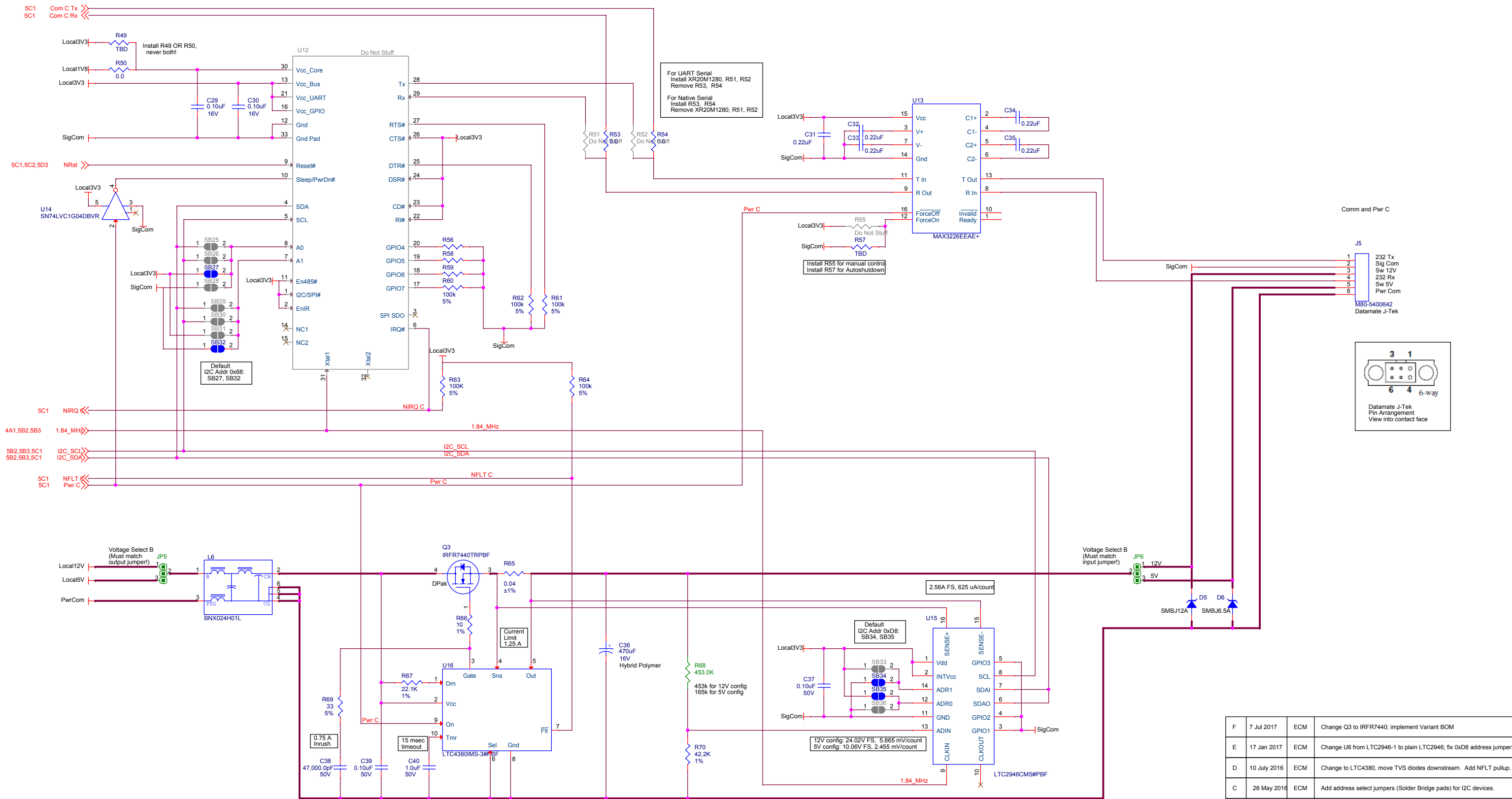


|   |              |     |                                                                  |
|---|--------------|-----|------------------------------------------------------------------|
| F | 7 Jul 2017   | ECM | Change Q2 to IRFR7440; implement Variant BOM                     |
| E | 17 Jan 2017  | 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                                                                                          |  | Date: Thursday, July 20, 2017 | Engineer: Mellinger        |
| Design File: X:\CPPI\ELECTRICAL\ENGR\ICAD\PROJECTS\IED'S STUFF\SCHMATIC\100221094-CPF-POWERSWITCH.DSN |  | Sheet: 3                      | of: 5                      |
| Schematic Name: 100221094-CPF-PwrSwitchSchematic                                                      |  | Page Name: BChannelB          | Layout File: <Layout File> |



|   |              |     |                                                                     |
|---|--------------|-----|---------------------------------------------------------------------|
| F | 7 Jul 2017   | ECM | Change Q3 to IRRFR7440; 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 | 4 Feb 2016   | ECM | Initial release for review                                          |



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|--------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------|--------------------------|-----------------|-----------|-------|--------|
| 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\IED'S STUFF\SCHEMATICS\100221094-CPF-POWERSWITCH.DSN |        |                                                                   |                          |                 |           |       |        |
| Schematic Name                                                                             |        | Page Name                                                         |                          | Layout File     |           |       |        |
| 100221094CPF-PwrSwitchSchematic                                                            |        | 04ChannelC                                                        |                          | <Layout File>   |           |       |        |

