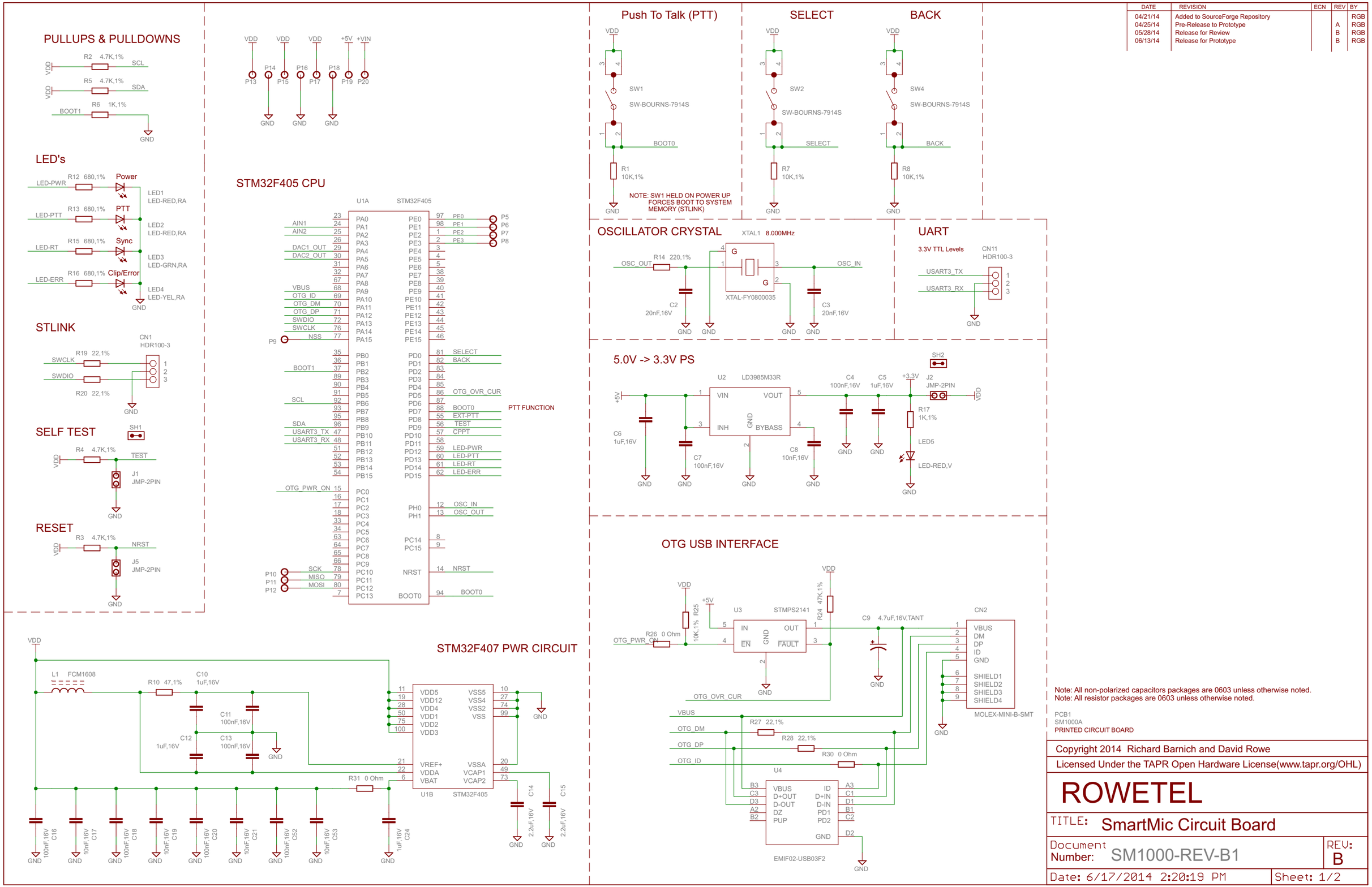
DATE	REVISION	ECN	REV	BY
04/21/14	Added to SourceForge Repository			RGB
04/25/14	Pre-Release to Prototype		A	RGB
05/28/14	Release for Review		B	RGB
06/13/14	Release for Prototype		B	RGB



Note: All non-polarized capacitors packages are 0603 unless otherwise noted.
Note: All resistor packages are 0603 unless otherwise noted.

PCB1
SM1000A
PRINTED CIRCUIT BOARD

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ROWETEL

TITLE: SmartMic Circuit Board

Document Number: SM1000-REV-B1 REV: B

Date: 6/17/2014 2:20:19 PM Sheet: 1/2

DATE	REVISION	ECN	REV	BY
04/21/14	Added to SourceForge Repository			RGB
04/25/14	Pre-Release to Prototype		A	RGB
05/28/14	Release for Review		B	RGB
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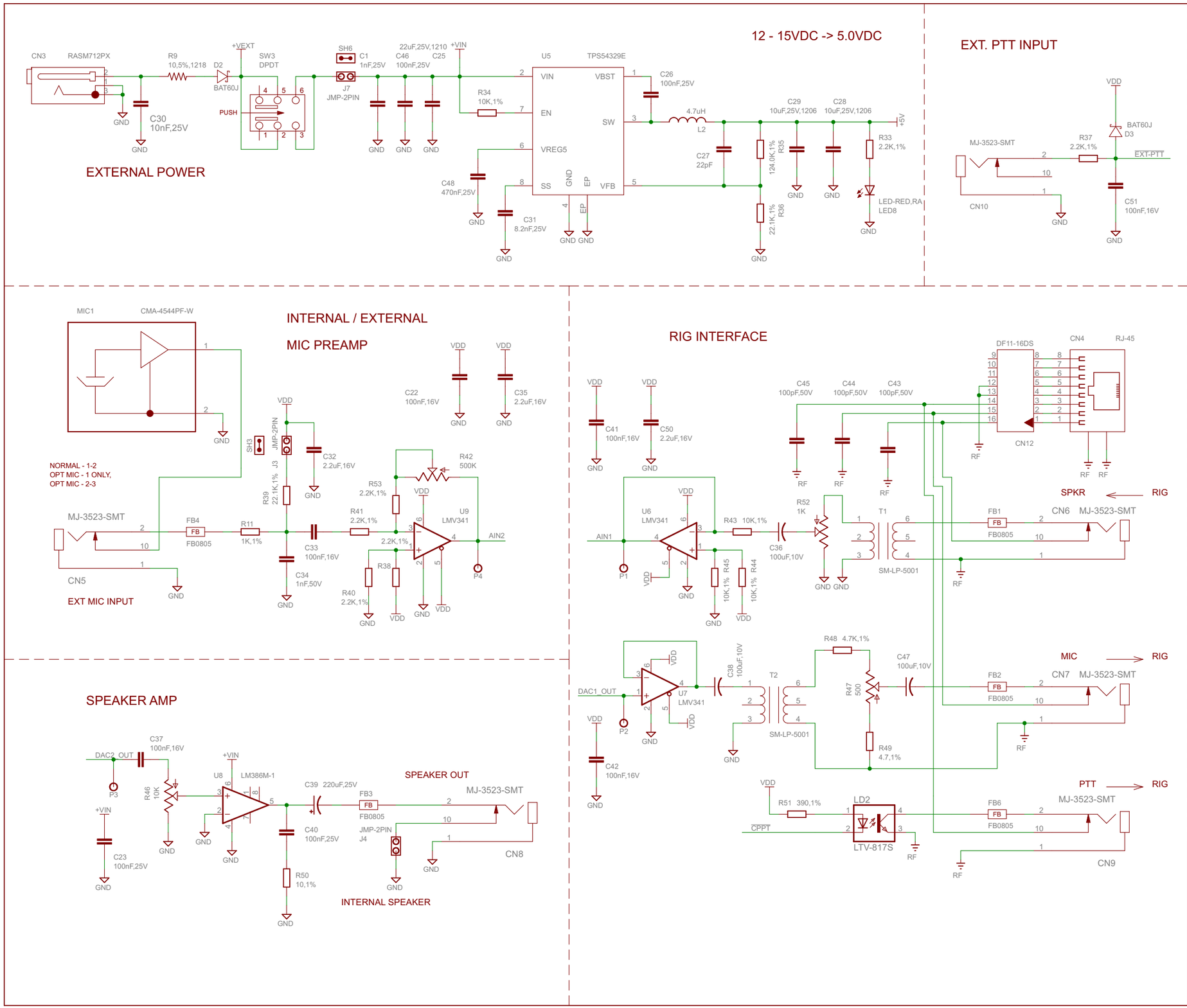

06/17/2014
50. Changed Select & Back circuits to match PTT.
49. Changed C34 to 1nF.
48. Aded 1K resistor in series with FB4.
47. Replaced FB5 with 10 Ohm 1206 Wide resistor.
46. Ad 10nF cap across CN3.
45. Added 1nf cap in parallel with C46.

06/16/2014
44. Add test point P20 (+VIN).
43. Add test point P19 (+5V).
42. Add test points P13,p15,p17 (VDD).
41. Add test points P14,P16,P18 (GND).
40. Add test points at pins 24,25,29,30. AIN1,AIN2,DAC1,DAC2
39. Add test points at pins 97,98,1,2. PE0,PE1,PE2,PE3
38. Add test points at pins 77,78,79,80. PA15,PC10,PC11,PC12

06/15/2014
37. Change GND on CN12-12,13 to RF
36. Change C39 to 220uF,25V
35. Move Pot R52 to T1 output & change to 1K.
34. Change C40 to 25V.
33. Change C27 to 22pF.
32. Change C2 & C3 to 20pF.
31. Correct pinout for LD3985.
30. Change R1, R7 & R8 to 10K
29. Change R12, R13, R15, R16 & R17 to 680 Ohms.
28. Change C8 to 10nF.
27. Change C10 & C12 to Ceramic 0603 caps.
26. Remove signals from pins 9 & 10 CN12.

06/12/2014
25. Change SW3 back to PBH2UUENAGX
24. Change D3 to BAT60

06/05/2014
23. Change 0603 caps to IPC packages & symbols.
22. Change 0603 resistors to IPC packages & symbols.

06/02/2014
21. Add SELECT & BACK switches.

06/01/2014
20. Delete VUSB Led & circuitry.
19. Delete USB fault LED & circuitry.
18. Delete STLINK LED & components.
17. Change SCL, SDA pulldowns to pullups.

05/29/2014
16. Change CN1 to 3-pin
15. Power electret mic from VDD
14. Change Reset switch to header.

05/28/2014
13 Added PTT SW network to permit DFU mode on power up.
12. Change C23 to 25V.
11. Change C43, C44, C45 to 100pF
10. Add hdr for speaker.
9. Change bypass caps to mix of 100nF and 10nF.
8. Change processor from STM32F407 to STM32F405.
7. Change PCB from 4 layer to 2 layer.
6. Bring GND, RF(GND) & +VEXT to IC1 connector.
5. Add ext. PTT connector and cpu DI.
4. Change mic preamp circuit to op-amp per DR.
3. Change rig mic amp circuit to pot on transformer output.
2. Move LED8 to 5V
1. Change U5 TPS54329E to RT8250

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Sheet: 2/2