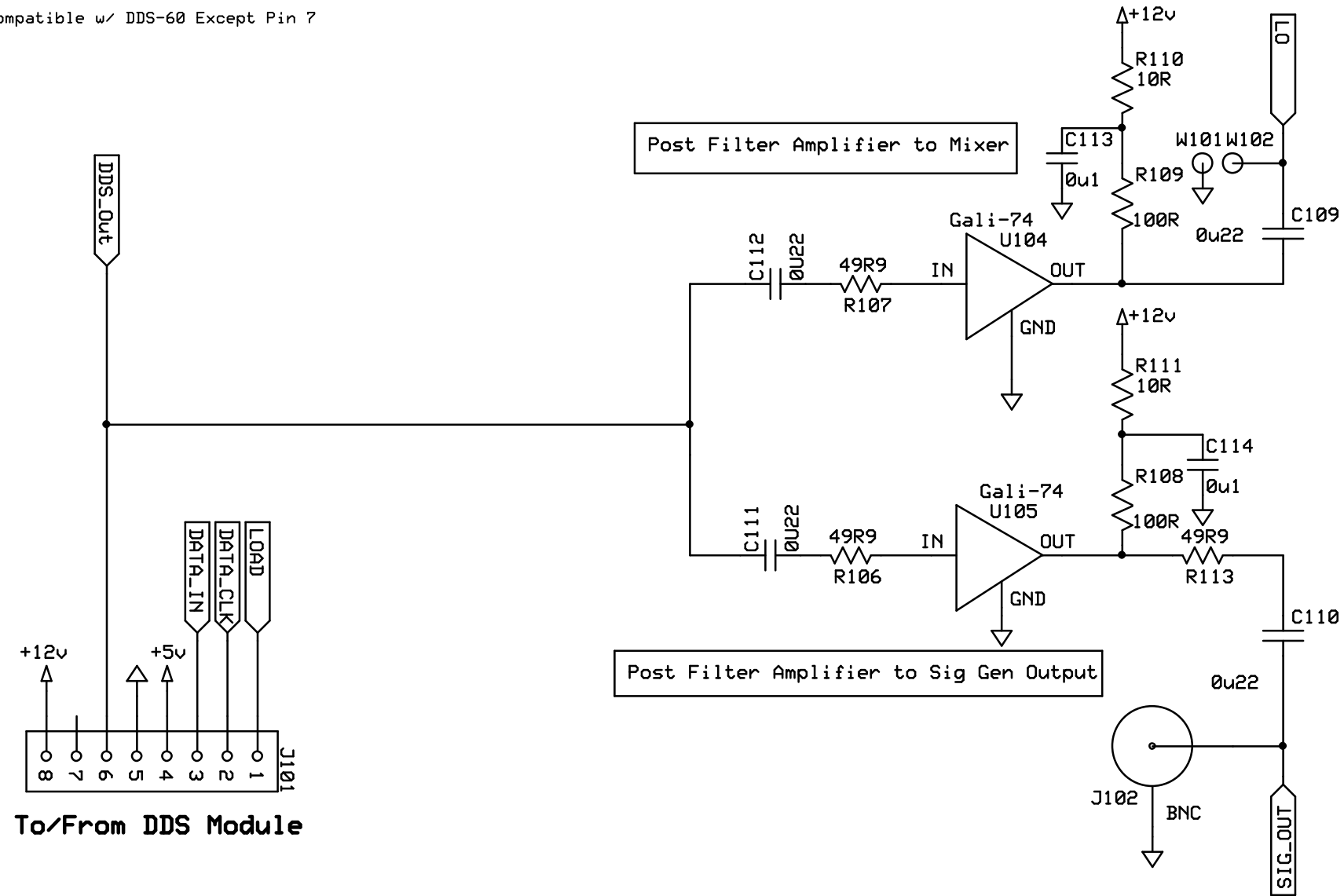


Section 100 -- LO Amp Module

All resistors 0.25w except R108 & 109 1 watt

J1 Compatible w/ DDS-60 Except Pin 7



To/From DDS Module

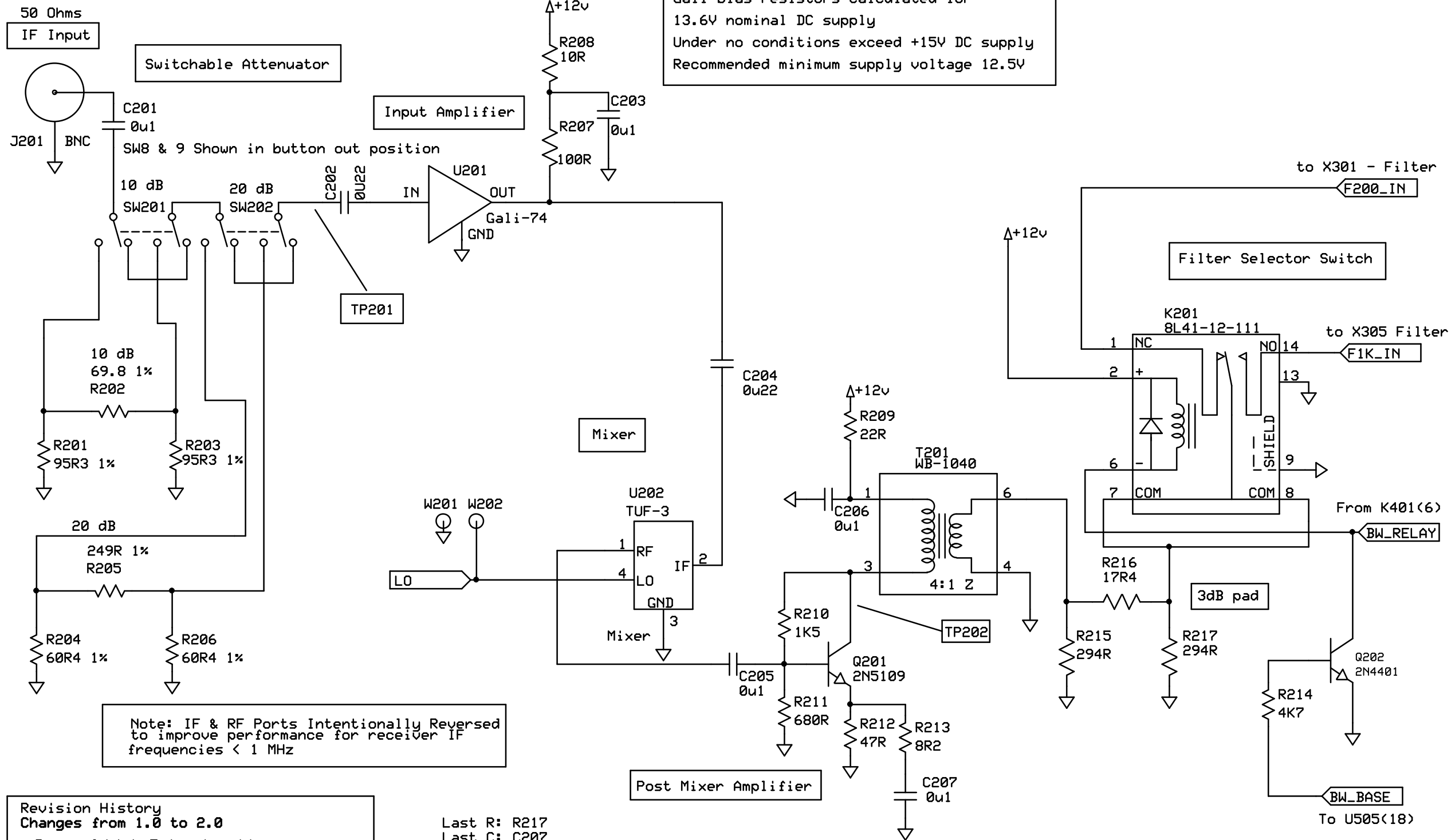
Revision History
 Changes from 1.0 to 2.0
 Replace AD8008 amplifier with Galil-74
 Renumber all parts with 1xx prefix
 Changes from 2.0 to 3.0
 Remove DDS components and move
 to new DDS module (700-series)

Note
 Gali bias resistors calculated for
 13.6V nominal DC supply
 Under no conditions exceed +15V DC supply
 Recommended minimum supply voltage 12.5V

To maintain compatibility, not renumbered from v. 2
 Last R: R112
 Last C: C114
 Last U: U105

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Section 200 --Input & Mixer Module



Note
 Gali bias resistors calculated for
 13.6V nominal DC supply
 Under no conditions exceed +15V DC supply
 Recommended minimum supply voltage 12.5V

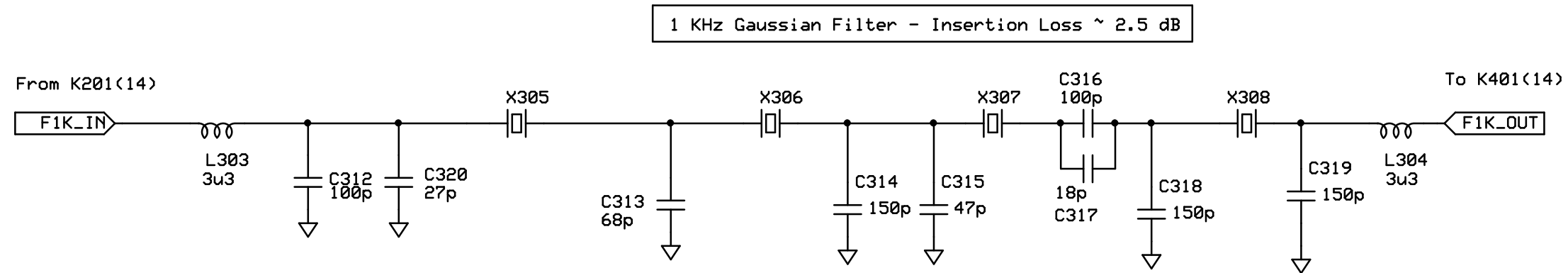
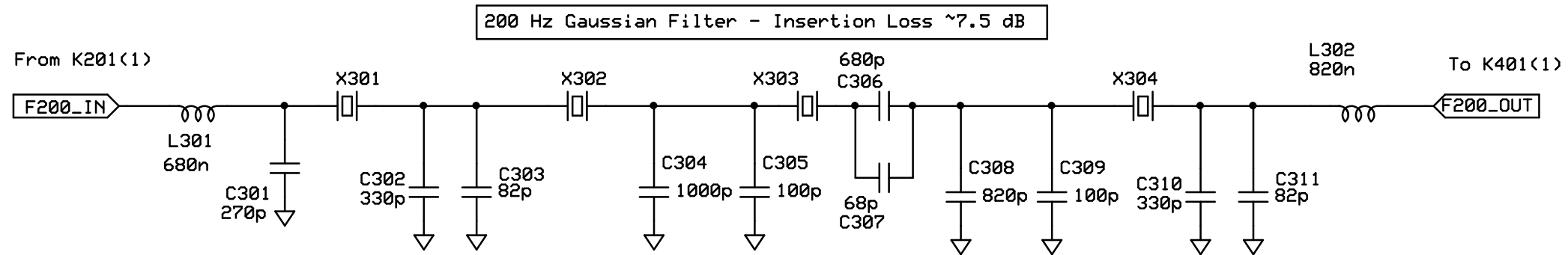
Note: IF & RF Ports Intentionally Reversed
 to improve performance for receiver IF
 frequencies < 1 MHz

Revision History
Changes from 1.0 to 2.0
 Removed high-Z input option
 Delete 2N4401 follower input stage
 Add Gali-74 Input Amplifier
 Renumber all parts with 2xx prefix
 Added 3dB pad - better filter matching
Changes from 2.0 to 3.0
 No changes in 3.0

Last R: R217
 Last C: C207
 Last U: U202
 Last Q: Q202

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Section 300 -- IF Filter Module



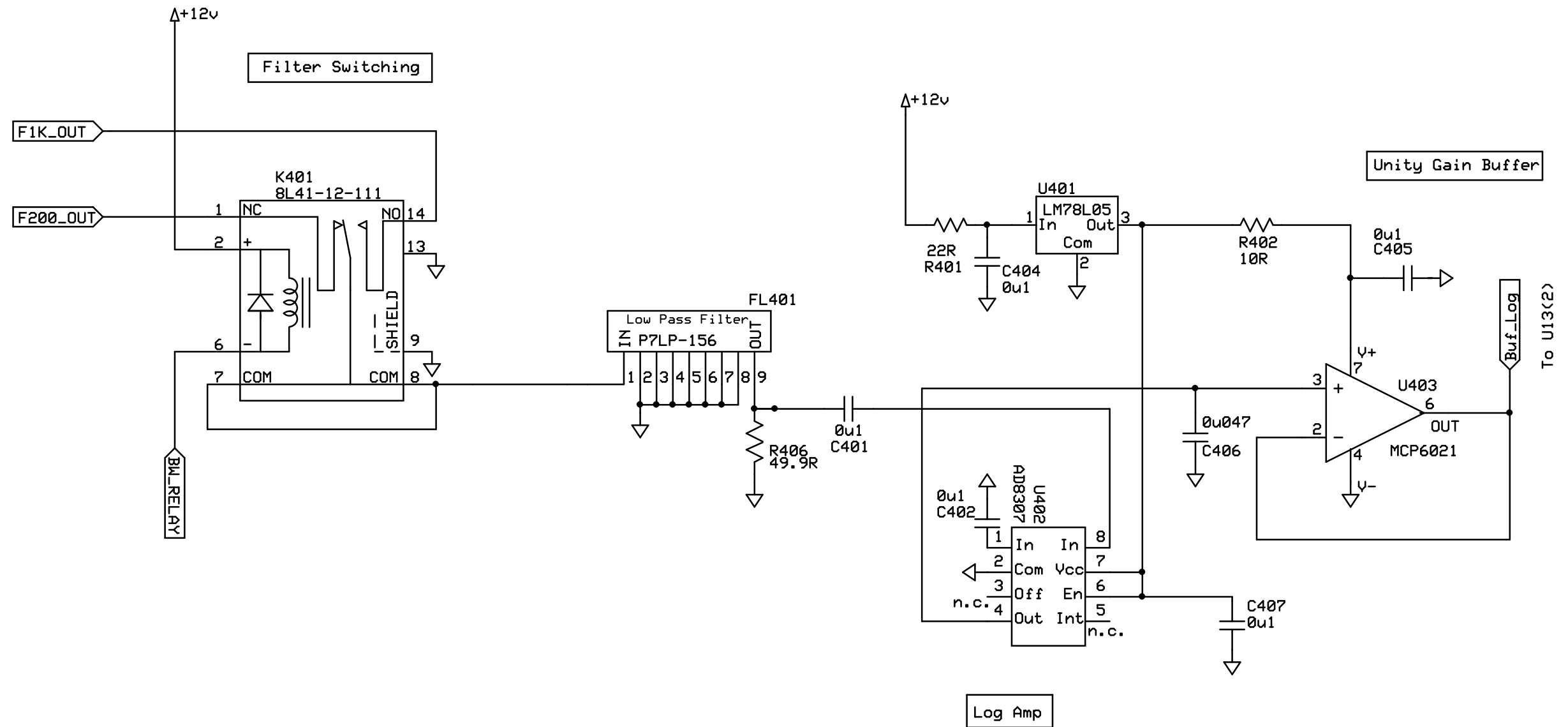
All crystals ECS 8.000 MHz Series Resonant
Measure and hand-match to +/- 20 Hz, Q > 75000

Revision History
Changes from 1.0 to 2.0
Redesigned both filters for lower loss
Wideband filter was Cohn now Gaussian
Renumber all parts with 3xx prefix
Changes from 2.0 to 3.0
No changes in 3.0

Last R: None
Last C: C320
Last U: None
Last Q: None
Last L: L304

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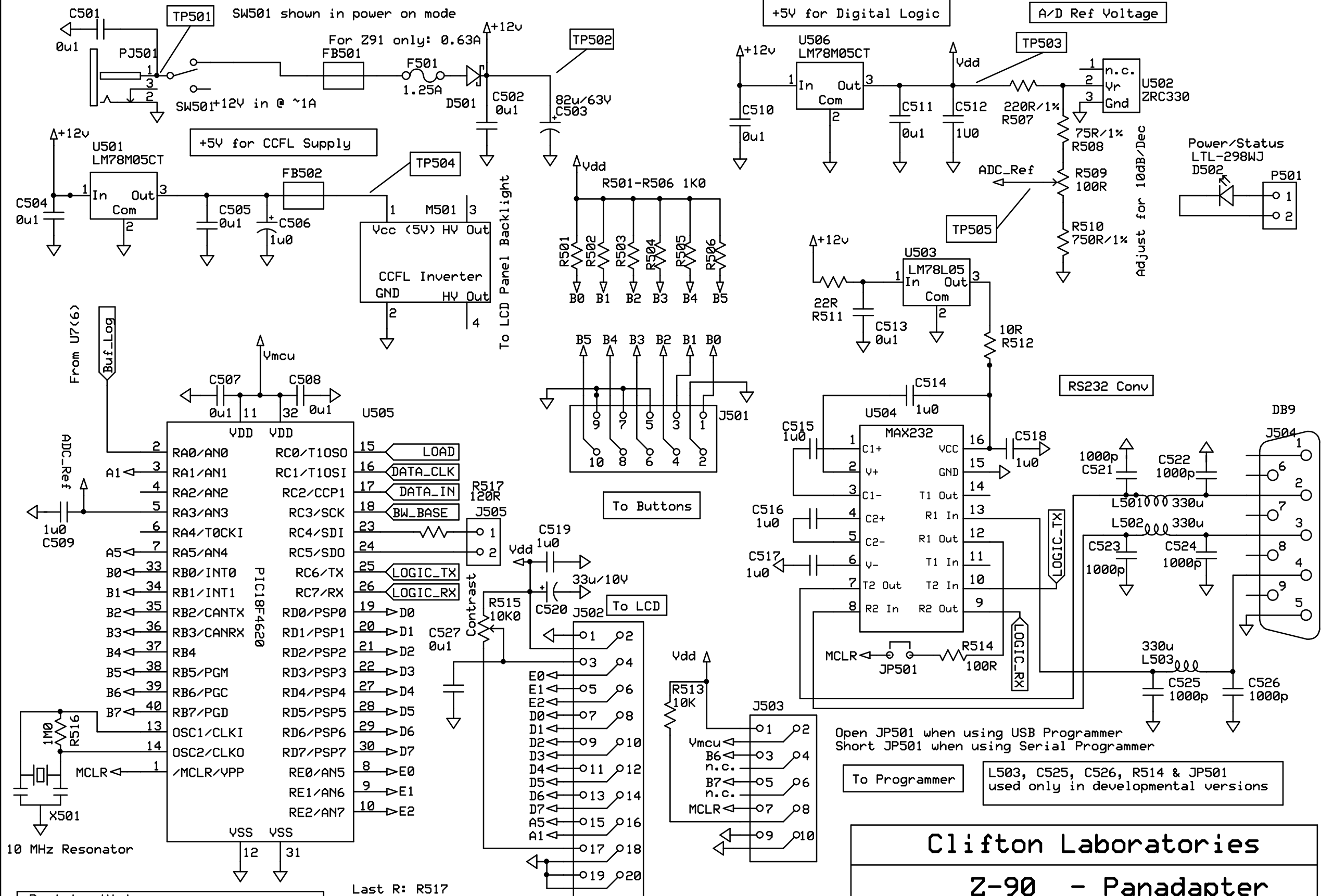
Section 400 -- Log Amplifier Module



Revision History
Changes from 1.0 to 2.0
 Renumber all parts with 4xx prefix
 Add 3dB pad for filter matching
 2.1 - Revise AD8307 input circuit
 remove matching network & add R406
Changes from 2.0 to 3.0
 Remove 3 dB pad
 Reverse Pin 1 & 8 U402

Last R: R406
 Last C: C407
 Last U: U403
 Last Q: None
 Last L: None
 C403 unused
 R403, R404 & R405 unused

Section 500 -- Power & Microcontroller Module



Revision History
Changes from 1.0 to 2.0
 Renumber all parts with 5xx prefix
 Add reset connection to RS232

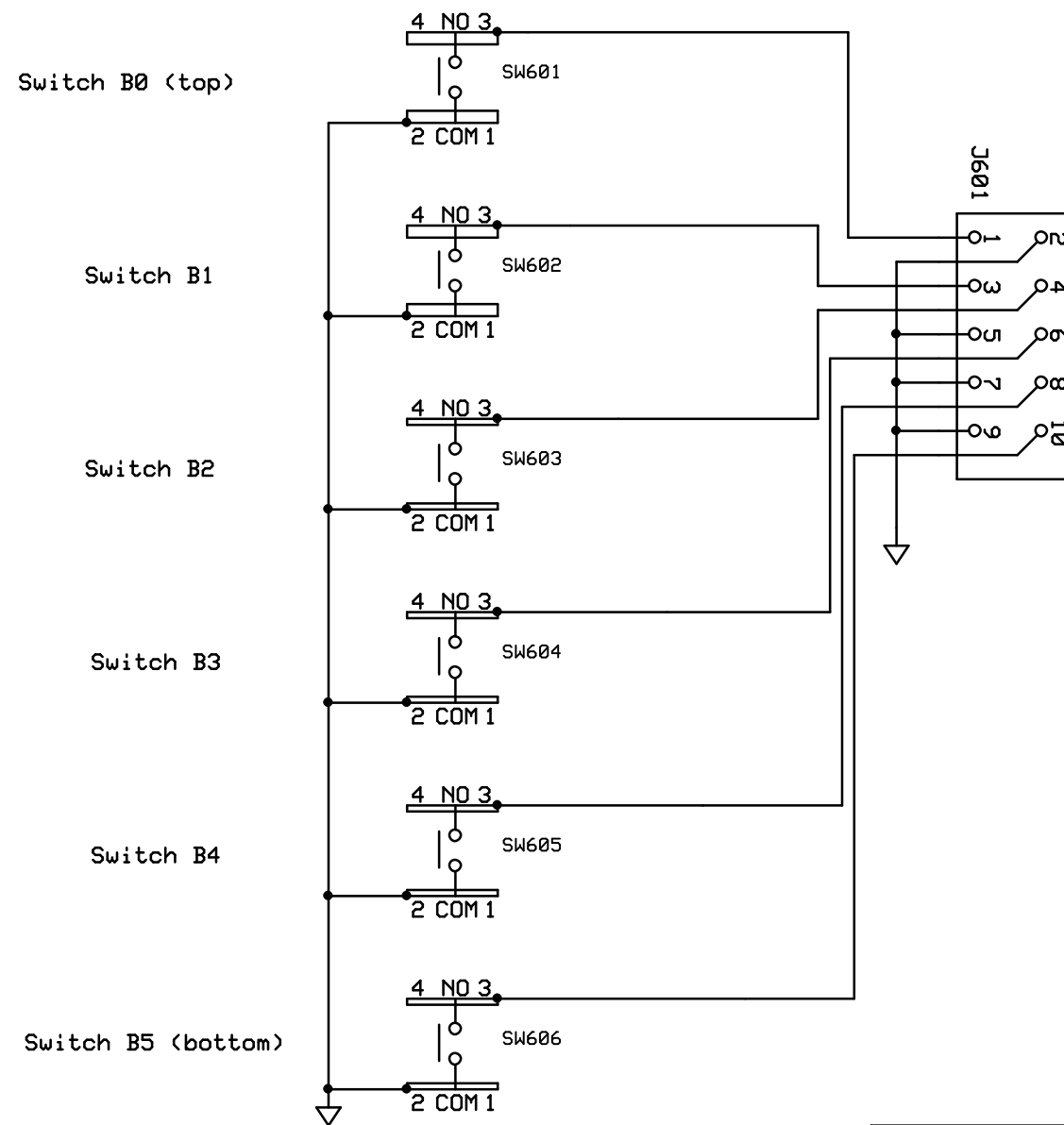
Last R: R517
 Last C: C527
 Last U: U506
 Last Q: None
 Last L: L503

Changes from 2.0 to 3.0
 Add LED & associated connectors

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Section 600 - Soft Key Switches

Z90 only



Revision History
 Changes from 1.0 to 2.0
 Renumber all parts with 6xx prefix
 Changes from 2.0 to 3.0
 No changes in 3.0

