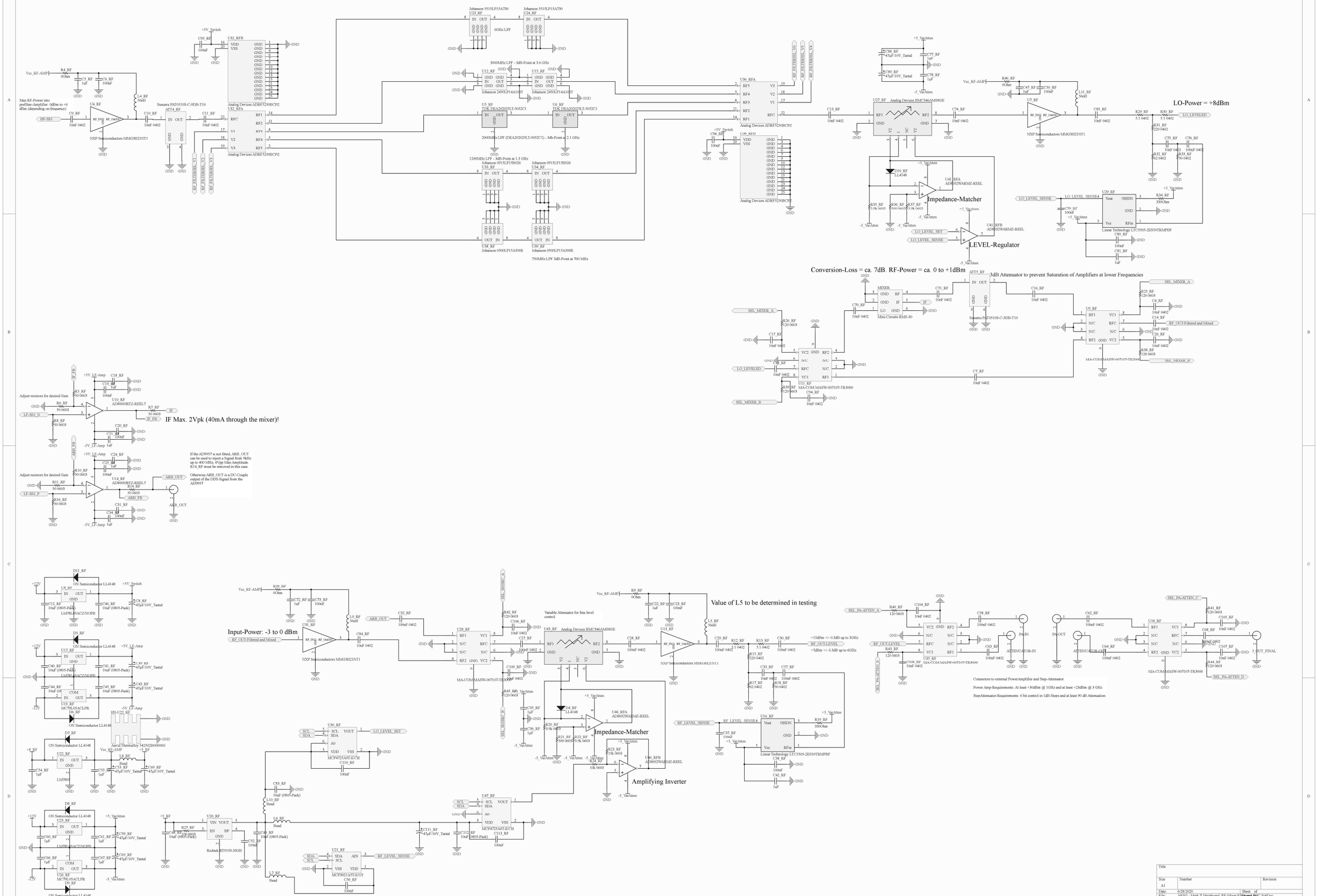
LO-Power = +8dBm
Impedance-Matcher
LEVEL-Regulator
Conversion-Loss = ca. 7dB. RF-Power = ca. 0 to +1dBm
3dB Attenuator to prevent Saturation of Amplifiers at lower Frequencies
IF Max. 2Vpk (40mA through the mixer)!
Input-Power: -3 to 0 dBm
Value of L5 to be determined in testing
Impedance-Matcher
Amplifying Inverter
Connectors to external PowerAmplifier and Step-Attenuator.
Power Amp-Requirements: At least +30dBm @ 1GHz and at least +23dBm @ 3 GHz
StepAttenuator-Requirements: 6 bit control in 1dB-Steps and at least 90 dB Attenuation
Title
Size A1
Number
Revision
Date: 6/28/2020
Sheet of
File: AR3G - Mark II Mainboard_RF-Mixer Filter.SchDoc