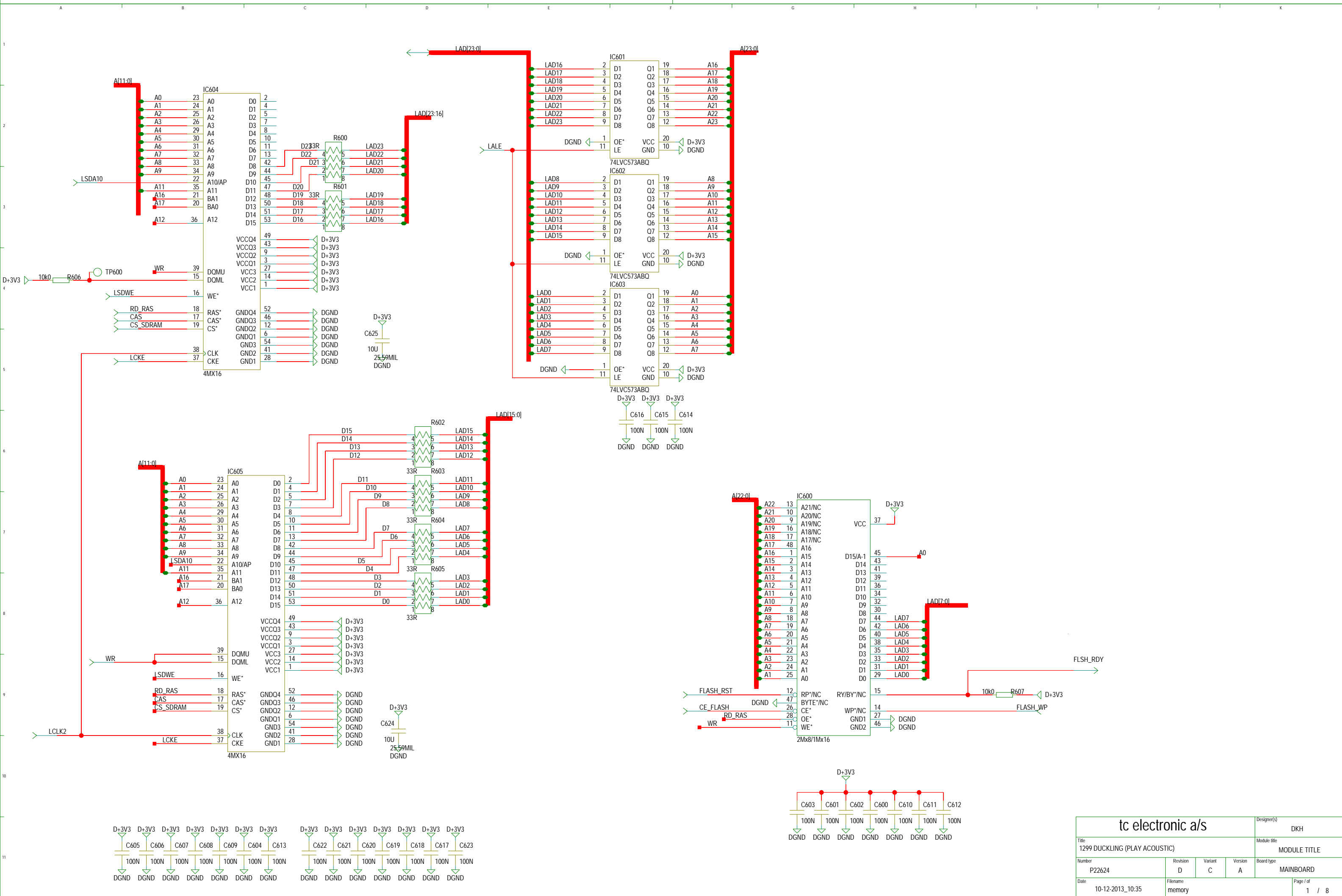
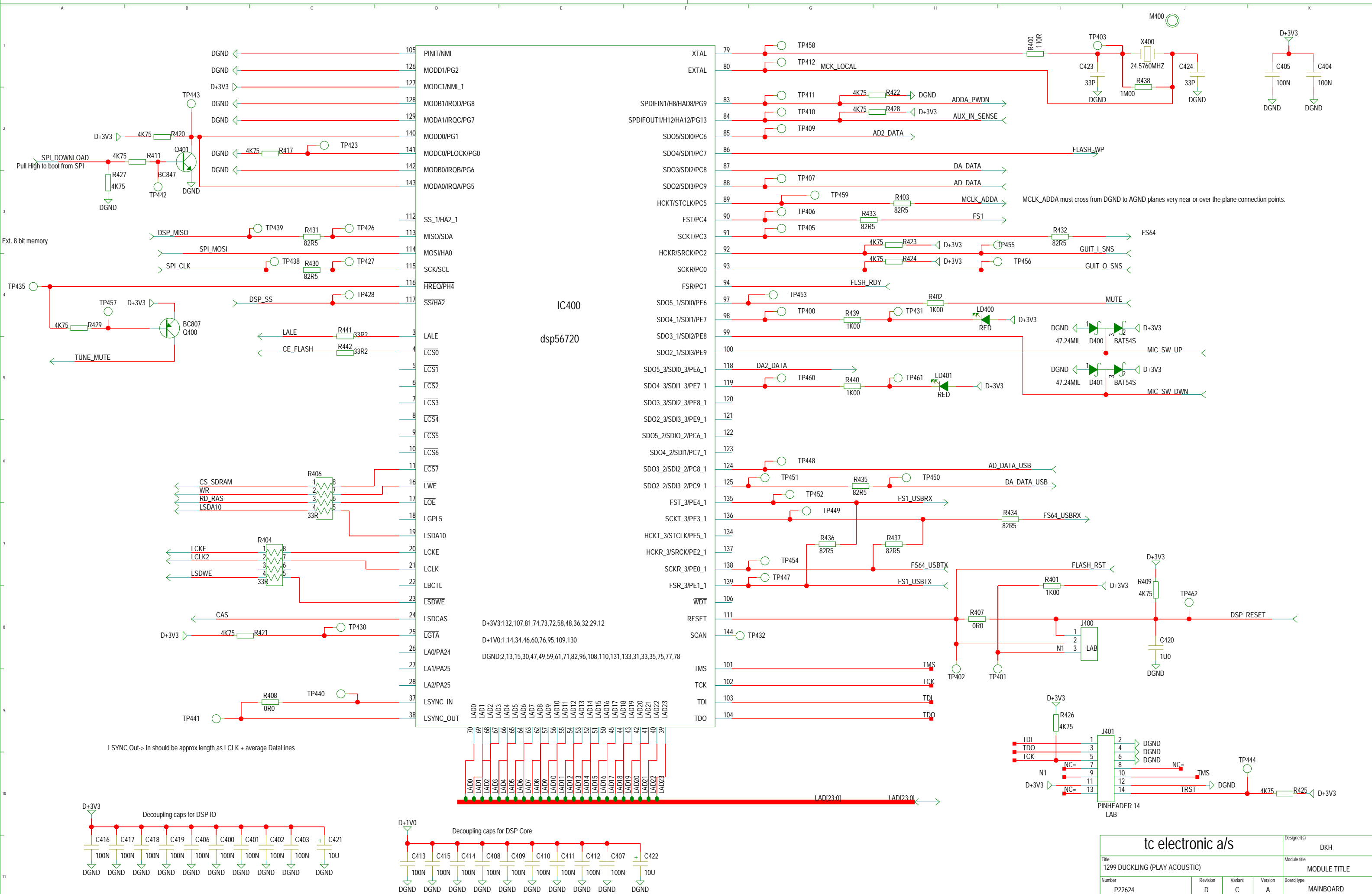


P22624-D
M1

tc electronic a/s				Designer(s) DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)				Module title MODULE TITLE
Number P22624	Revision D	Variant C	Version A	Board type MAINBOARD
Date 10-12-2013_10:36	Filename p22624-D			Page / of 1 / 8

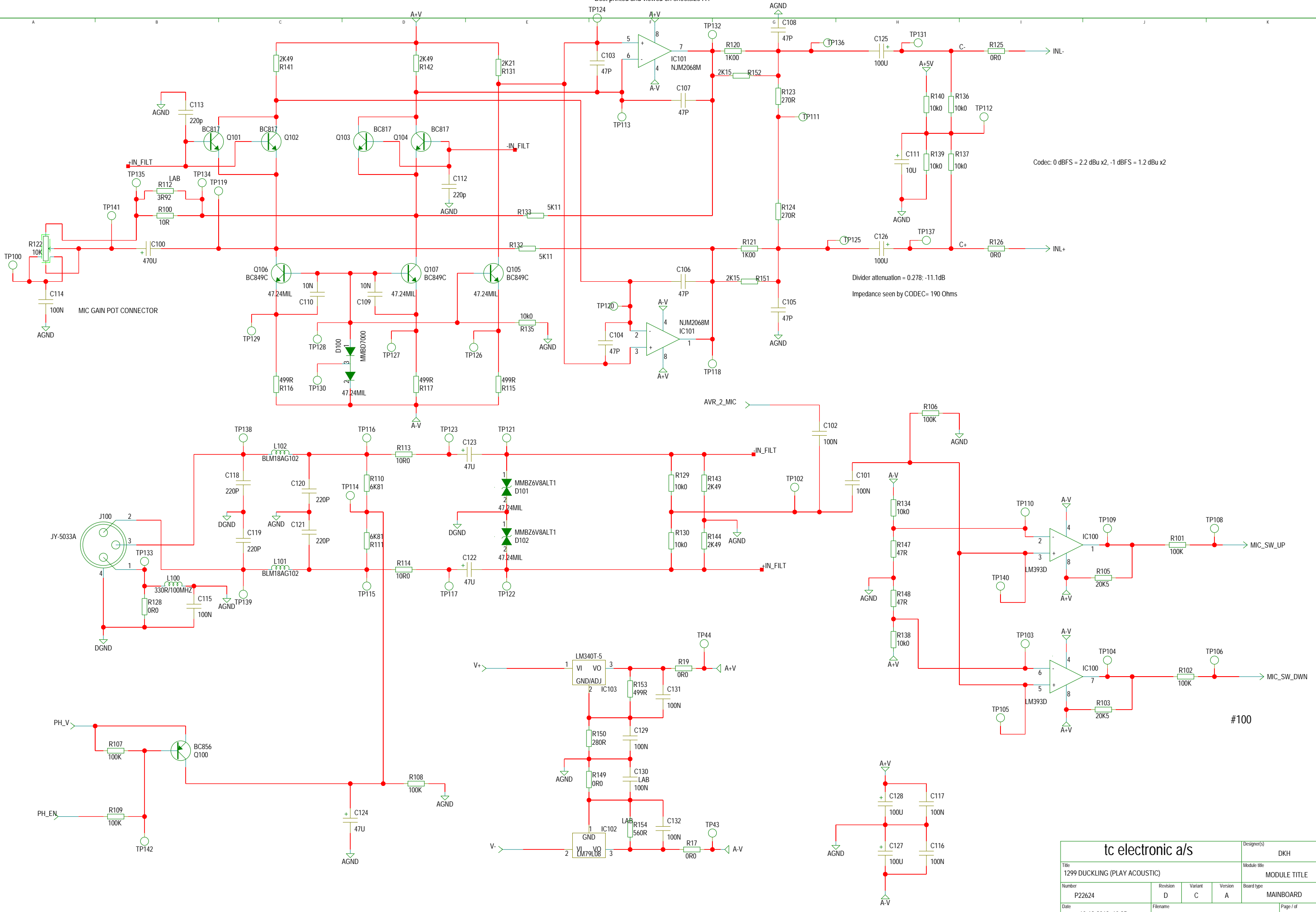




IC400
dsp56720

D+3V3:132,107,81,74,73,72,58,48,36,32,29,12
D+1V0:1,14,34,46,60,76,95,109,130
DGND:2,13,15,30,47,49,59,61,71,82,96,108,110,131,133,31,33,35,75,77,78

tc electronic a/s				Designer(s)	DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)				Module title MODULE TITLE	
Number P22624	Revision D	Variant C	Version A	Board type MAINBOARD	
Date 10-12-2013_10:35	Filename dsp720			Page / of 1 / 8	

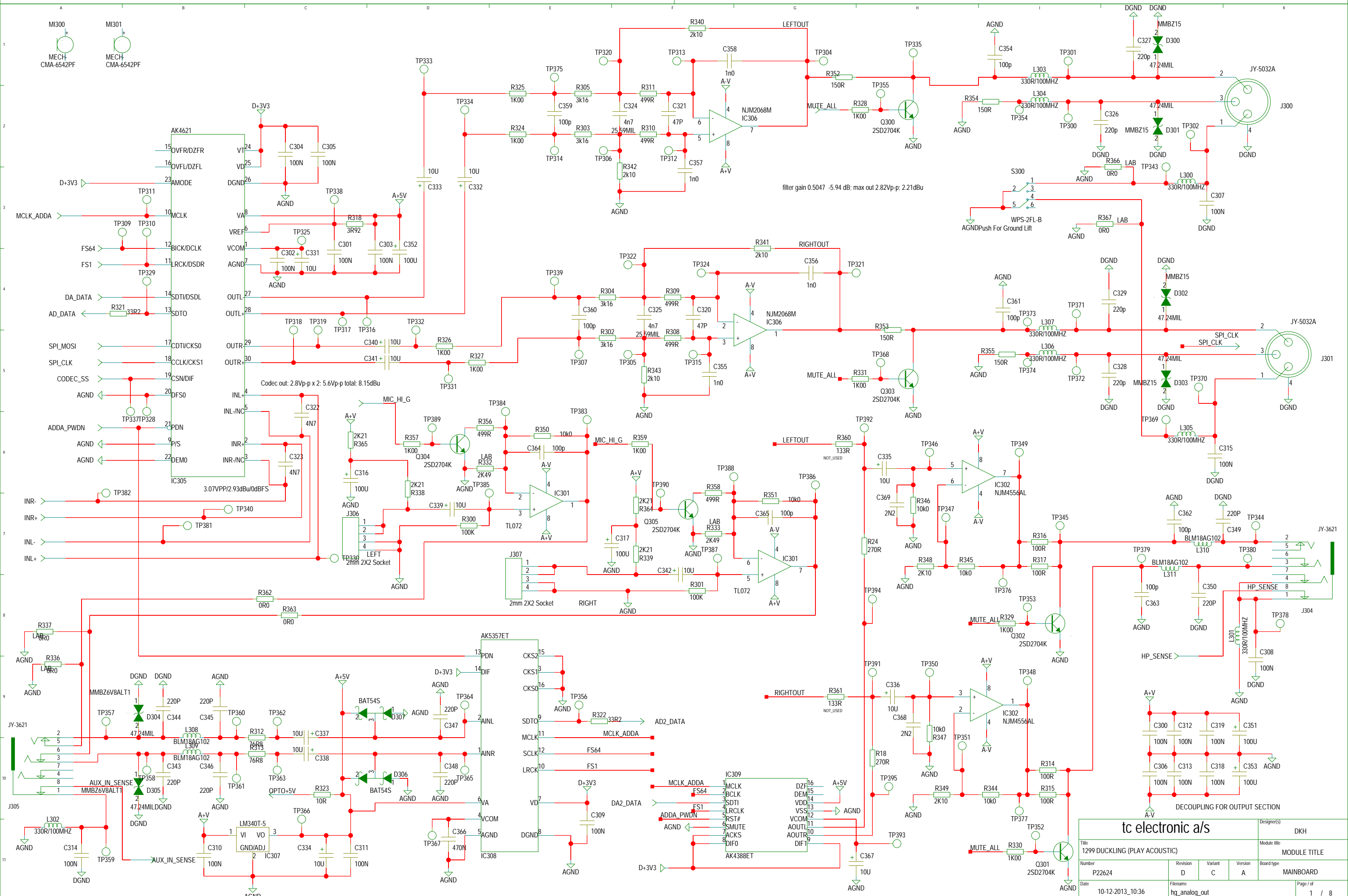


Codec: 0 dBFS = 2.2 dBu x2, -1 dBFS = 1.2 dBu x2

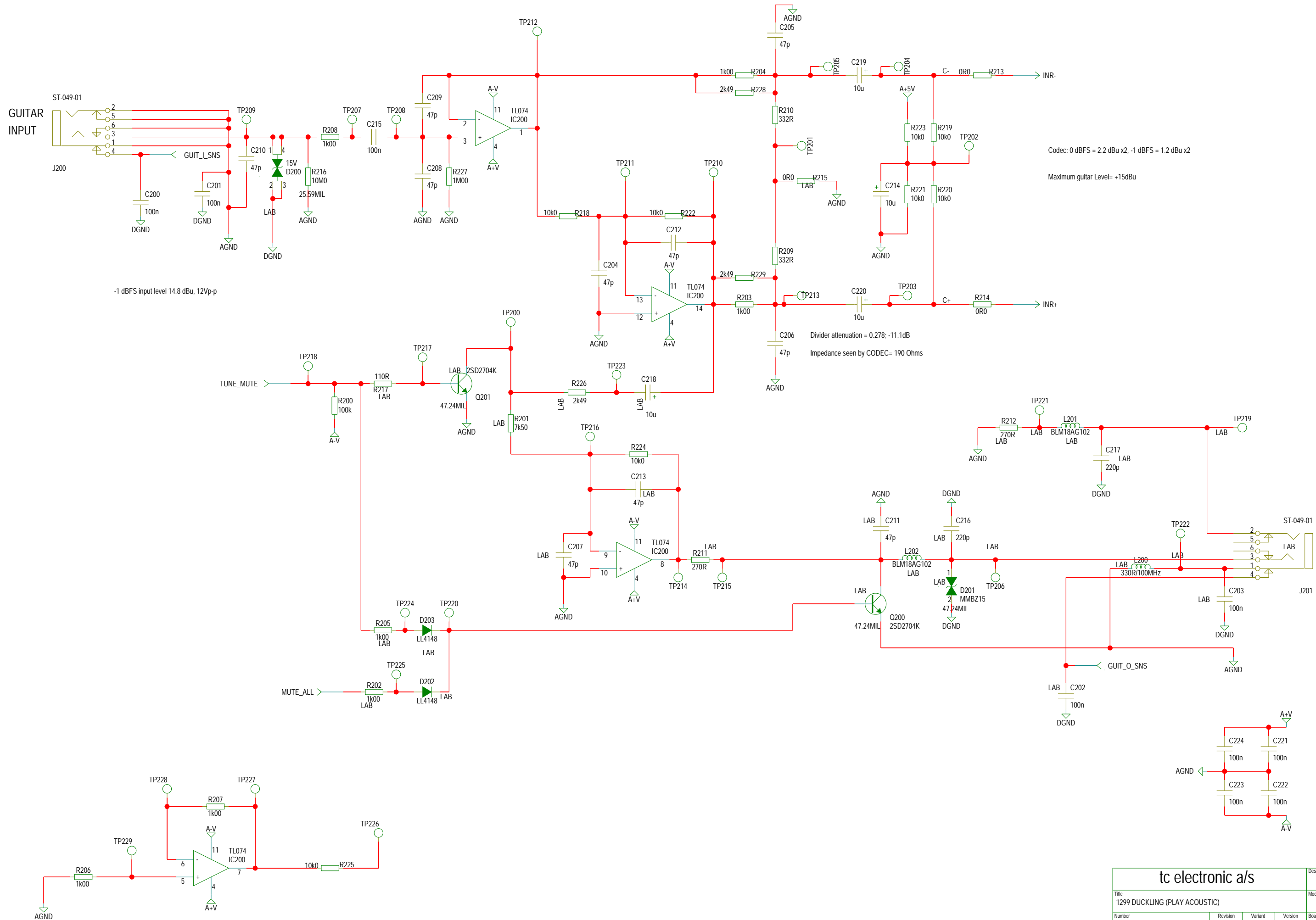
Divider attenuation = 0.278: -11.1dB
Impedance seen by CODEC = 190 Ohms

#100

tc electronic a/s				Designer(s)	DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)				Module title MODULE TITLE	
Number P22624	Revision D	Variant C	Version A	Board type MAINBOARD	
Date 10-12-2013_10:35	Filename g_mic_input			Page / of 1 / 8	



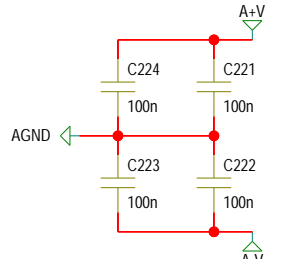
tc electronic a/s				Designer(s) DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)				Module title MODULE TITLE
Number P22624	Revision D	Variant C	Version A	Board type MAINBOARD
Date 10-12-2013_10:36	Filename hg_analog_out		Page / of 1 / 8	



Codec: 0 dBFS = 2.2 dBu x2, -1 dBFS = 1.2 dBu x2
Maximum guitar Level= +15dBu

Divider attenuation = 0.278: -11.1dB
Impedance seen by CODEC= 190 Ohms

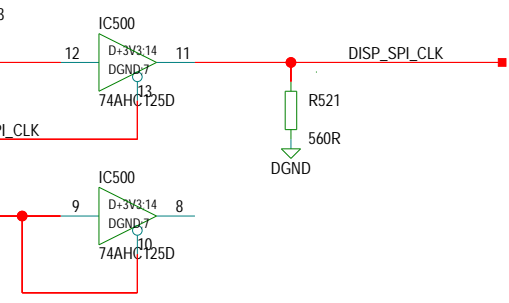
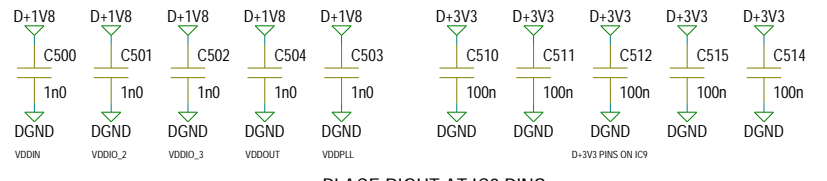
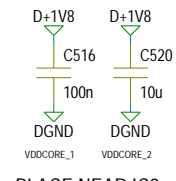
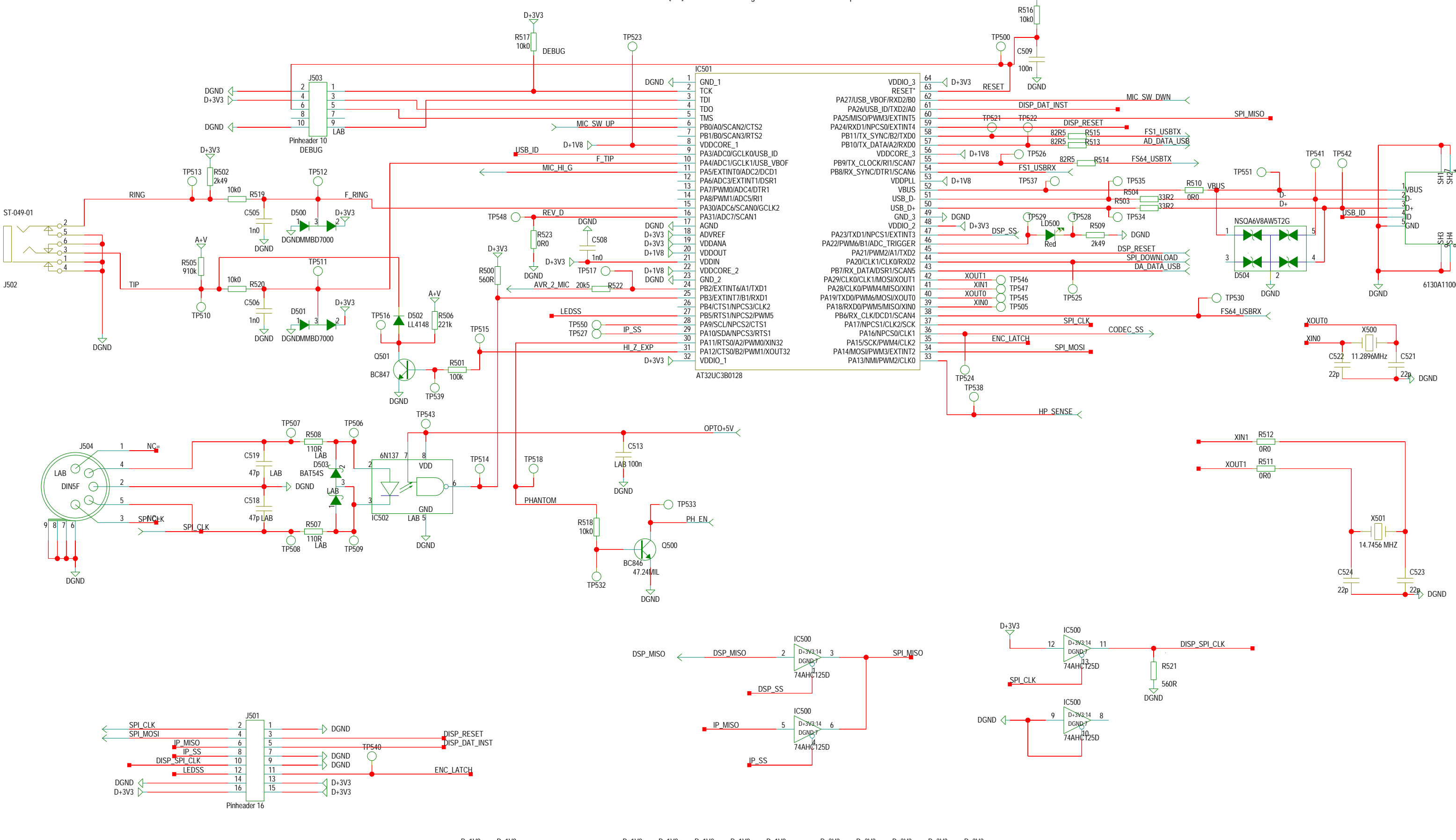
-1 dBFS input level 14.8 dBu, 12Vp-p



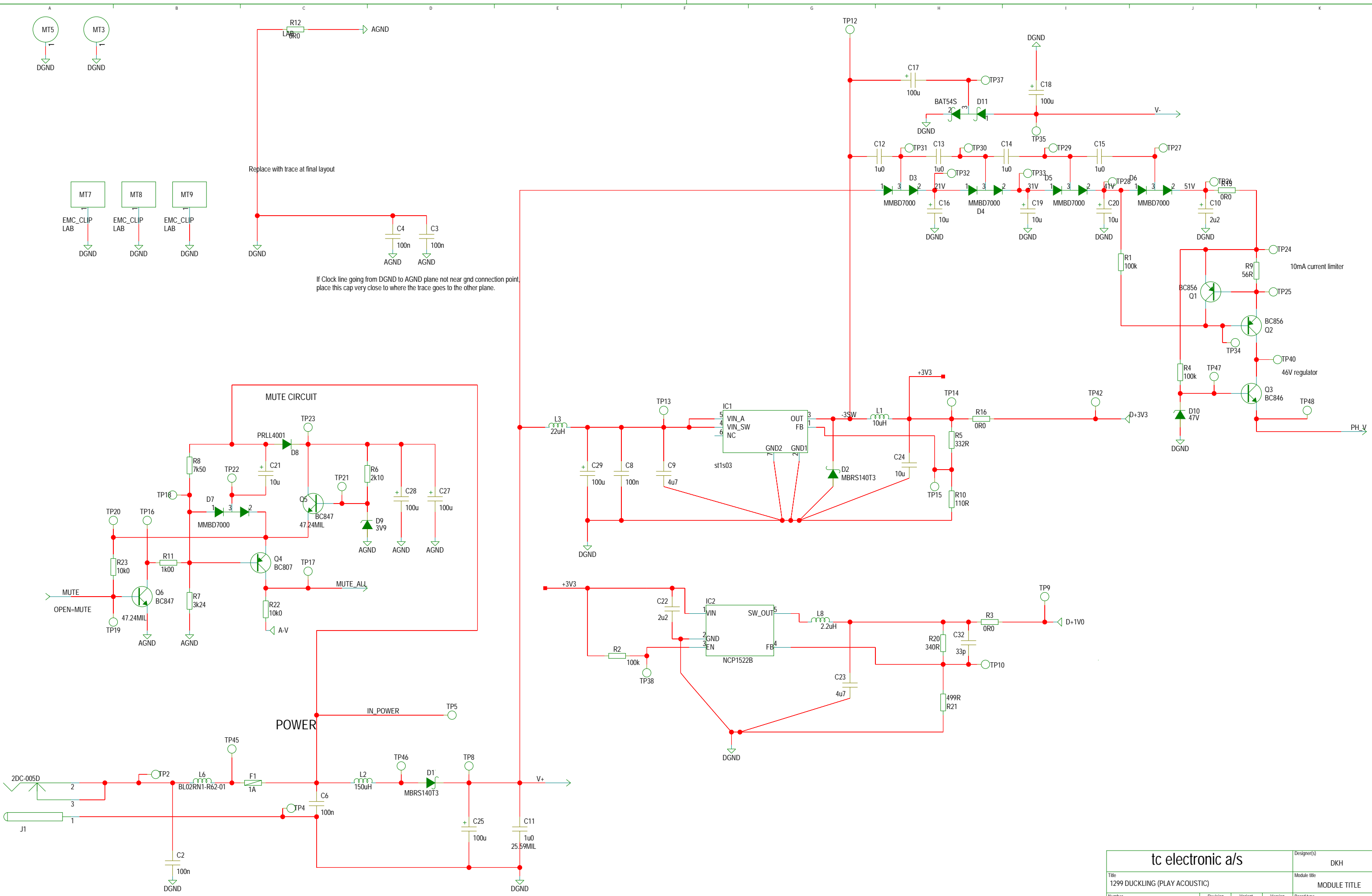
tc electronic a/s				Designer(s)	DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)				Module title MODULE TITLE	
Number P22624	Revision D	Variant C	Version A	Board type MAINBOARD	
Date 10-12-2013_10:36	Filename guitar_input			Page / of 1 / 8	

MISO Moved to Pin 60
MCLK_ADDA added to pin 41

MLIG[0:3] need to be either high Z or driven low- look like open collector



tc electronic a/s				Designer(s)	DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)				Module title MODULE TITLE	
Number P22624	Revision D	Variant C	Version A	Board type MAINBOARD	
Date 10-12-2013_10:36	Filename usb_ui			Page / of 1 / 8	



Replace with trace at final layout

If Clock line going from DGND to AGND plane not near gnd connection point, place this cap very close to where the trace goes to the other plane.

tc electronic a/s					Designer(s)	DKH
Title 1299 DUCKLING (PLAY ACOUSTIC)					Module title	MODULE TITLE
Number P22624	Revision D	Variant C	Version A	Board type	MAINBOARD	
Date 10-12-2013_10:36	Filename interface	Page / of			1 / 8	