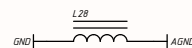
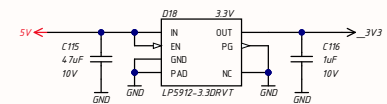
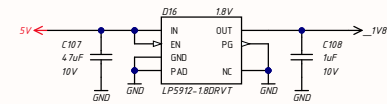
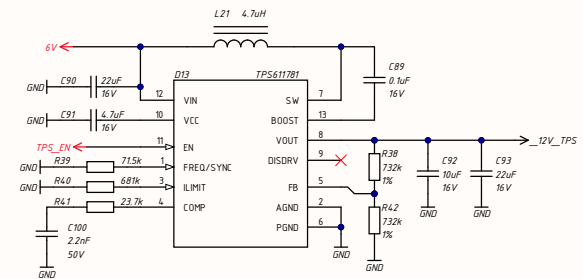
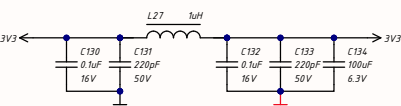
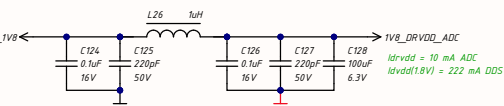
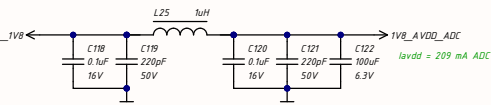
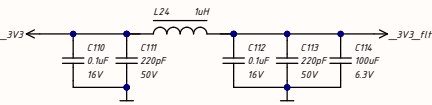
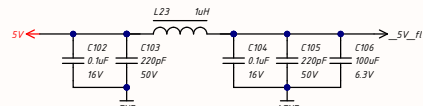
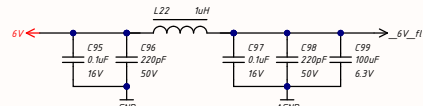
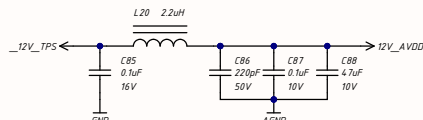
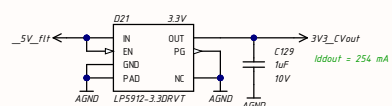
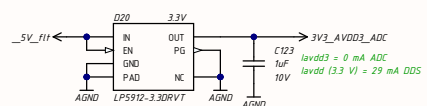
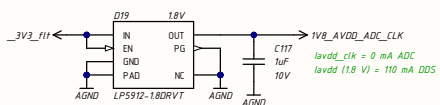
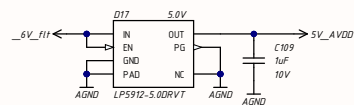
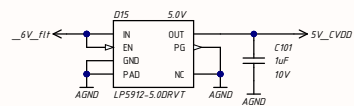
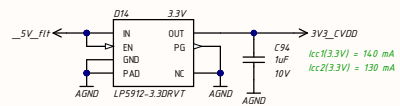
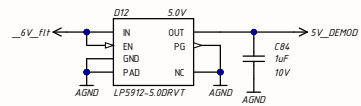
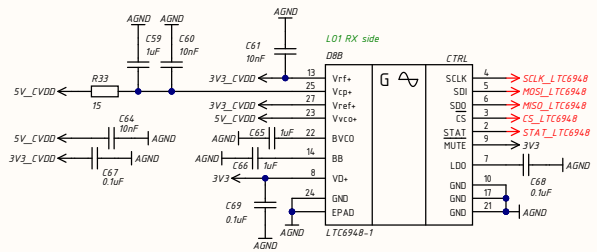
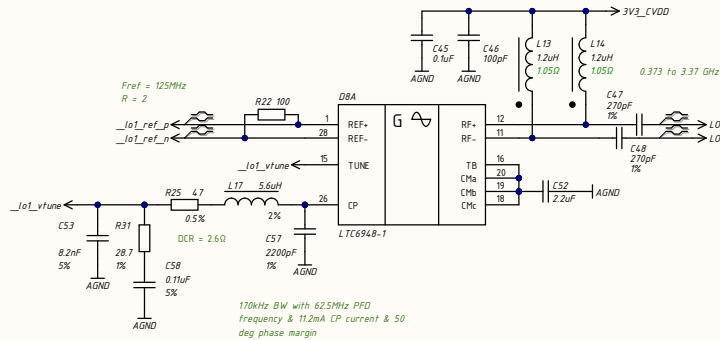
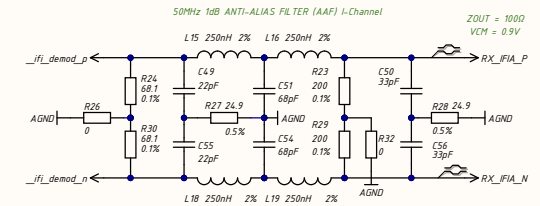
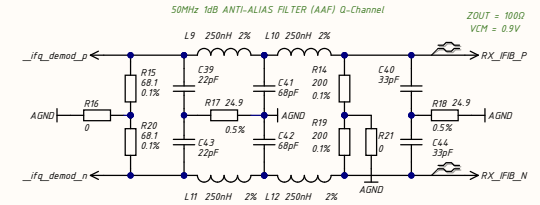
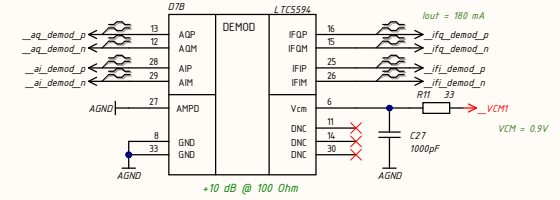
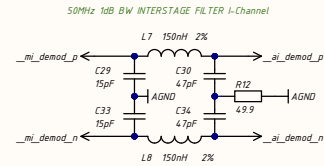
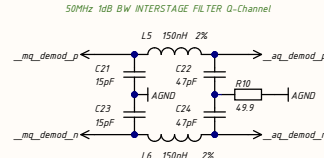
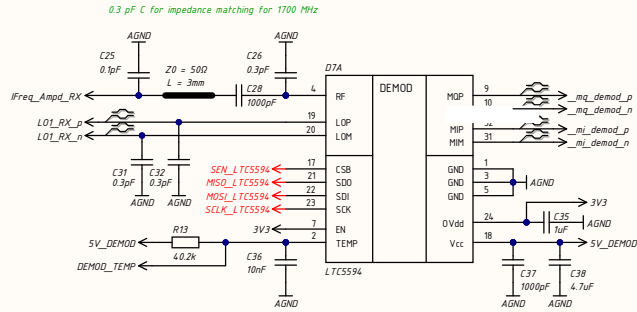


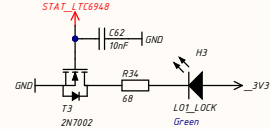
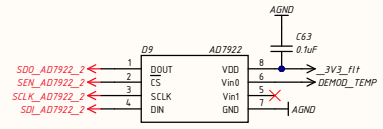
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Изм.	Лист	№ докум.	Подп.	Дата	{Наименование} {Документ}	Лит.			Лист	Листов	
Разраб.	{Разраб.}					{}	{}	{}	{}	{}	
Пров.	{Проверил}										
Т.контр.	{Т.контр.}										
Н.контр.	{Н.контр.}										
Утв.	{Утвердил}										

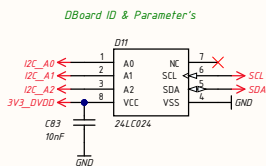




LTC6948-1 Frequency Table:

2.240 to 3.740 GHz
1.120 to 1.870 GHz
0.747 to 1.247 GHz
0.580 to 0.935 GHz
0.448 to 0.748 GHz
0.373 to 0.623 GHz





Конт.	Цепь	Адрес
DB_10_11_p	A1	
DB_10_11_n	A2	
GND	A3	
GND	A4	
DB_12_13_p	A5	
DB_12_13_n	A6	
GND	A7	
GND	A8	
OP2_1_p	A9	
OP2_1_n	A10	
GND	A11	
GND	A12	
dds_sync_p	A13	DDS_sync_p
dds_sync_n	A14	DDS_sync_n
GND	A15	
GND	A16	
dds_pclk	A17	DDS_pclk
GND	A18	
dds_d15	A19	DDS_p15
GND	A20	DDS_p16
dds_d14	A21	DDS_p17
GND	A22	DDS_p18
dds_d09	A23	DDS_p9
GND	A24	DDS_p10
GND	A25	DDS_p11
dds_d04	A26	DDS_p4
GND	A27	DDS_p5
dds_d01	A28	DDS_p1
GND	A29	DDS_p2
dds_d00	A30	DDS_p0

SEARAY Plug, 240 Circuits

Конт.	Цепь	Адрес
GND	B1	
GND	B2	
DB_8_9_p	B3	
DB_8_9_n	B4	
GND	B5	
DB_14_15_p	B6	
DB_14_15_n	B7	
GND	B8	
GND	B9	
DA_14_15_p	B10	
DA_14_15_n	B11	
GND	B12	
GND	B13	
GND	B14	
GND	B15	
GND	B16	
GND	B17	
GND	B18	
dds_d14	B19	DDS_p14
GND	B20	DDS_p15
dds_d11	B21	DDS_p11
GND	B22	DDS_p12
dds_d08	B23	DDS_p8
GND	B24	DDS_p9
dds_d05	B25	DDS_p5
GND	B26	DDS_p6
dds_d01	B27	DDS_p1
GND	B28	DDS_p2
dds_d10	B29	DDS_p10
GND	B30	DDS_p11

SEARAY Plug, 240 Circuits

Конт.	Цепь	Адрес
DB_6_7_p	C1	
DB_6_7_n	C2	
GND	C3	
GND	C4	
DA_0_1_p	C5	
DA_0_1_n	C6	
GND	C7	
GND	C8	
ADC_CLKOUT_p	C9	
ADC_CLKOUT_n	C10	
GND	C11	
GND	C12	
ref_freq_rx_p	C13	clock_p
ref_freq_rx_n	C14	clock_n
GND	C15	
GND	C16	
GND	C17	SDA
SDA	C18	SDA
SCL	C19	SCL
GND	C20	DDS_p19
dds_d13	C21	DDS_p13
GND	C22	DDS_p14
dds_d10	C23	DDS_p10
GND	C24	DDS_p11
dds_d07	C25	DDS_p7
GND	C26	DDS_p8
dds_d04	C27	DDS_p4
GND	C28	DDS_p5
dds_d01	C29	DDS_p1
GND	C30	DDS_p2
dds_f1	C31	DDS_f1

SEARAY Plug, 240 Circuits

Конт.	Цепь	Адрес
GND	D1	
GND	D2	
DB_4_5_p	D3	
DB_4_5_n	D4	
GND	D5	
GND	D6	
DA_2_3_p	D7	
DA_2_3_n	D8	
GND	D9	
GND	D10	
DA_12_13_p	D11	
DA_12_13_n	D12	
GND	D13	
GND	D14	
I2C_A2	D15	I2C_A2
I2C_A1	D16	I2C_A1
I2C_A0	D17	I2C_A0
GND	D18	
cp1d_01	D19	is_01
GND	D20	is_02
cp1d_03	D21	is_03
GND	D22	is_04
cp1d_05	D23	is_05
GND	D24	is_06
GND	D25	is_07
GND	D26	is_08
cp1d_09	D27	is_09
GND	D28	is_10
cp1d_11	D29	is_11
GND	D30	is_12
cp1d_15	D31	is_15

SEARAY Plug, 240 Circuits

Конт.	Цепь	Адрес
DB_2_3_p	E1	
DB_2_3_n	E2	
GND	E3	
GND	E4	
DA_4_5_p	E5	
DA_4_5_n	E6	
GND	E7	
GND	E8	
DA_10_11_p	E9	
DA_10_11_n	E10	
GND	E11	
GND	E12	
SEN	E13	SEN
SCLK	E14	SCLK
MISO	E15	MISO
MOSI	E16	MOSI
GND	E17	
cp1d_02	E18	is_02
GND	E19	is_04
cp1d_04	E20	is_04
GND	E21	is_06
cp1d_06	E22	is_06
GND	E23	is_08
cp1d_08	E24	is_08
GND	E25	is_10
cp1d_10	E26	is_10
GND	E27	is_12
cp1d_12	E28	is_12
GND	E29	is_14
cp1d_14	E30	is_14
GND	E31	is_16

SEARAY Plug, 240 Circuits

Конт.	Цепь	Адрес
GND	F1	
GND	F2	
DB_0_1_p	F3	
DB_0_1_n	F4	
GND	F5	
GND	F6	
DA_6_7_p	F7	
DA_6_7_n	F8	
GND	F9	
GND	F10	
DA_8_9_p	F11	
DA_8_9_n	F12	
GND	F13	
GND	F14	
3V3_DVDD	F15	DVDD
3V3_DVDD	F16	DVDD
3V3_DVDD	F17	DVDD
GND	F18	
3V3_DVDD	F19	DVDD
3V3_DVDD	F20	DVDD
3V3_DVDD	F21	DVDD
GND	F22	
GND	F23	
GND	F24	
GND	F25	
GND	F26	
GND	F27	
GND	F28	
GND	F29	
GND	F30	

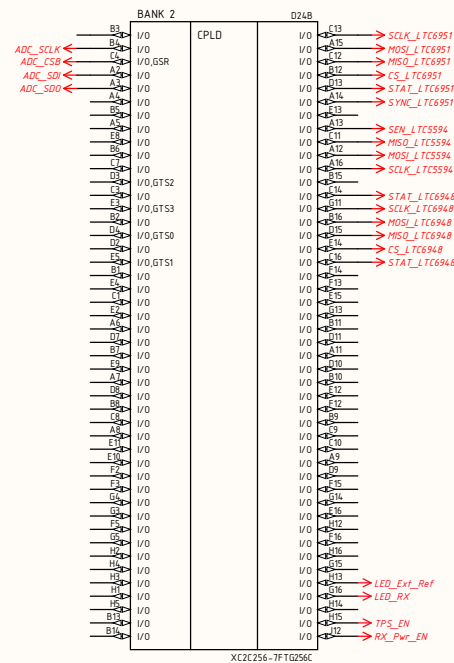
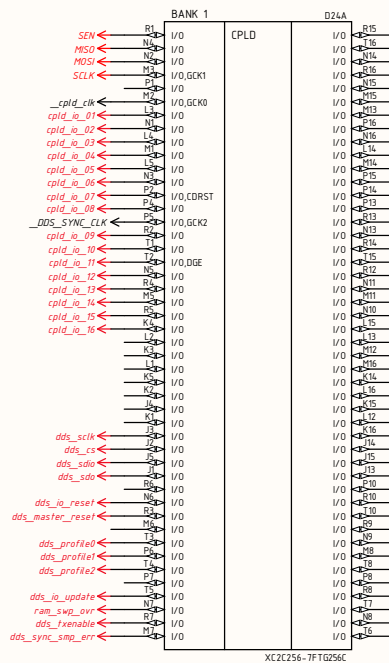
SEARAY Plug, 240 Circuits

Конт.	Цепь	Адрес
GND	G1	
GND	G2	
GND	G3	
GND	G4	
GND	G5	
GND	G6	
GND	G7	
GND	G8	
GND	G9	
GND	G10	
GND	G11	
GND	G12	
GND	G13	SDA
GND	G14	SCL
GND	G15	
GND	G16	TxFail
GND	G17	ModData
GND	G18	RS485
GND	G19	RS485
GND	G20	RS485
GND	G21	TXDisable
GND	G22	
GND	G23	
GND	G24	TX_p
GND	G25	TX_n
GND	G26	
GND	G27	
GND	G28	TX_n
GND	G29	TX_p
GND	G30	

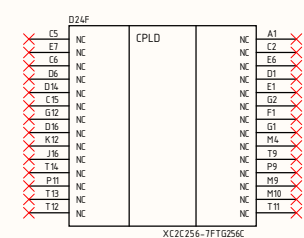
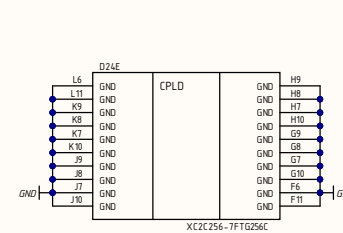
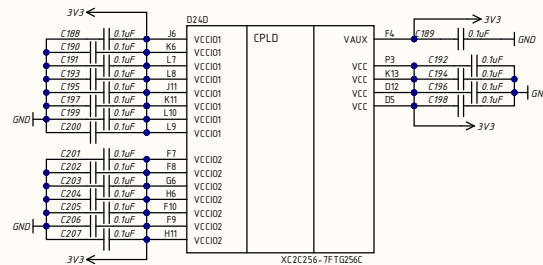
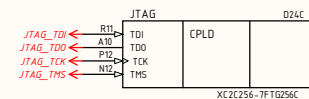
SEARAY Plug, 240 Circuits

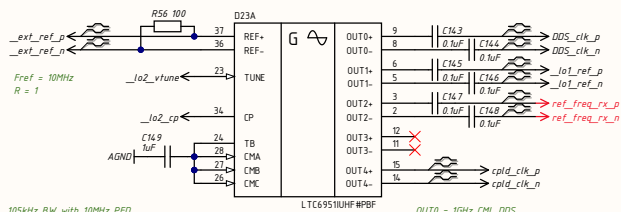
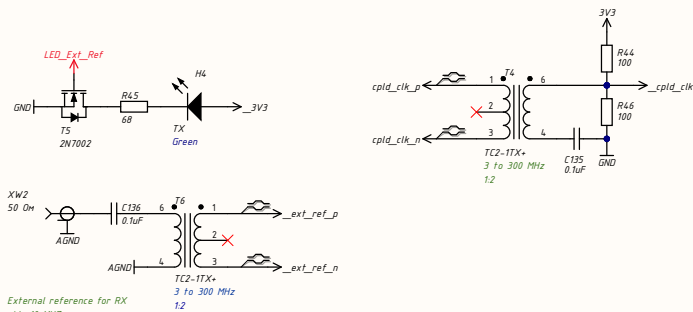
Конт.	Цепь	Адрес
GND	H1	
GND	H2	
5V	H3	5V
5V	H4	5V
5V	H5	5V
5V	H6	5V
GND	H7	
5V	H8	5V
5V	H9	5V
5V	H10	5V
GND	H11	
GND	H12	
GND	H13	
GND	H14	
6V	H15	6V
6V	H16	6V
6V	H17	6V
GND	H18	
6V	H19	6V
6V	H20	6V
6V	H21	6V
GND	H22	
GND	H23	
GND	H24	VccRX
GND	H25	VccRX
GND	H26	
GND	H27	
GND	H28	VccTX
GND	H29	VccTX
GND	H30	

SEARAY Plug, 240 Circuits



	X3	JTAG
	Kern	Ums Adjac
GND	1 GND	
3V3	2 REF VCC	
GND	3 GND	
JTAG_TMS	4 TMS	
GND	5 GND	
JTAG_TCK	6 TCK	
GND	7 GND	
JTAG_TDO	8 TDO	
GND	9 GND	
JTAG_TDI	10 TDI	
GND	11 GND	
	12 NC	
GND	13 GND	
	14 NC	





105kHz BW with 10MHz PFD
Frequency & 112mA CP current
& 50 deg phase margin

OUT0 = 10Hz CML DDS
OUT1 = 125MHz CML LDI
OUT2 = 125MHz CML FPGA
OUT3 = NC CML
OUT4 = 62.5MHz LVDS CPLD

