

CPU
STM32F429
Cortex-M4
180MHz

Memory
SDRAM
32MBytes

2 x USB
Ethernet RX/TX
SD/MMC
LCD
4 x UART
2 x SPI
I2C
2 x CAN
ADC
GPIO

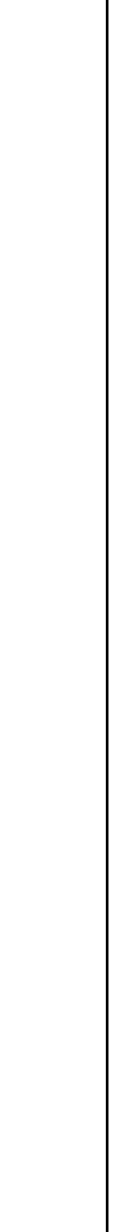
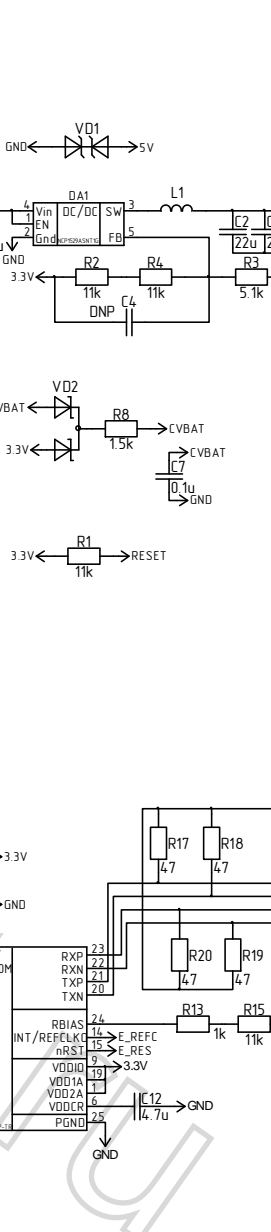
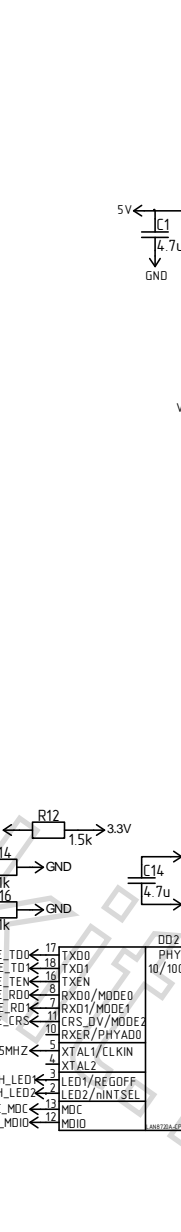
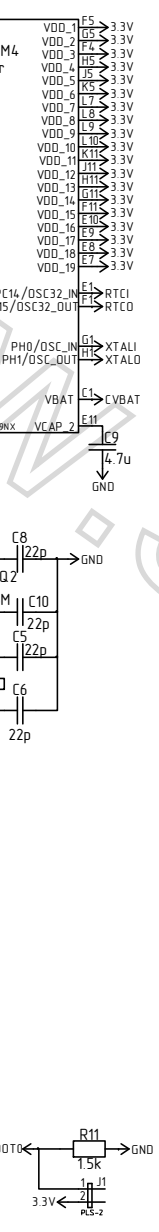
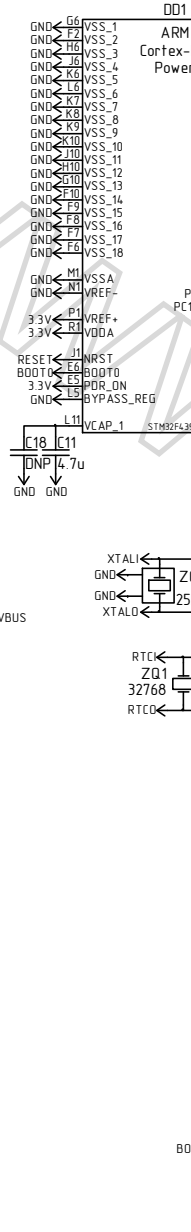
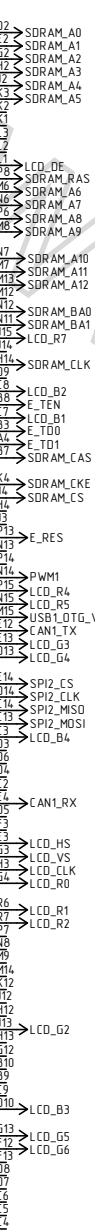
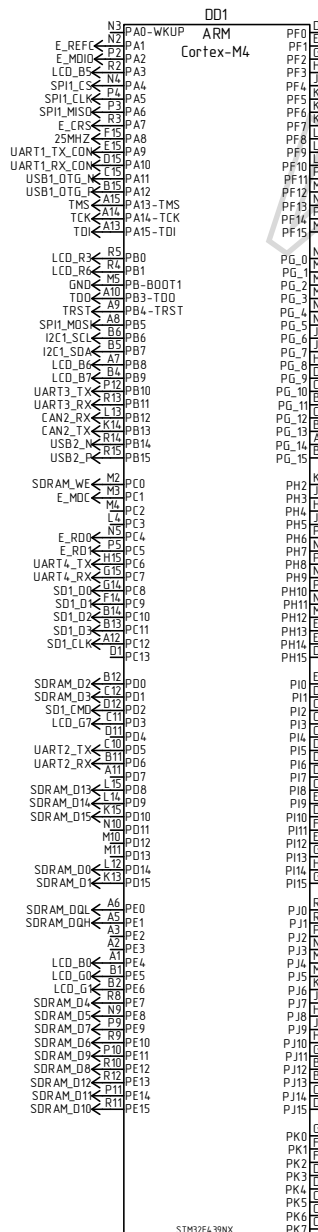
Power system

Ethernet PHY
100/10M

X1		X1	
41	SD2_D1 I2C1_SDA	42	I2C1_SDA
43	SD2_D2 I2C1_SCL	43	I2C1_SCL
45	SD2_D3 I2C2_SDA	46	I2C2_SDA
47	GND I2C2_SCL	48	GND
49	RESERVED PWM2	50	GND
51	RESERVED PWM1	52	PWM1
53	RESERVED GND	54	GND
55	RESERVED CSLPCK	56	GND
57	RESERVED CS1HS	58	GND
59	RESERVED CS1VS	60	GND
61	RESERVED CS1D7	62	GND
63	RESERVED CS1D6	64	GND
65	RESERVED CS1D5	66	GND
67	RESERVED CS1D4	68	GND
69	RESERVED CS1D3	70	GND
71	RESERVED CS1D2	72	GND
73	RESERVED CS1D1	74	GND
75	RESERVED CS1D0	76	GND
77	RESERVED I2S_TXES	78	GND
79	RESERVED DS_RXD	80	GND
81	RESERVED DS_TXD	82	GND
83	RESERVED DS_TXC	84	GND
85	RESERVED I2S_MCLK	86	GND
87	GND GND	88	GND
89	SATA_TXP BUS_BCLK	90	GND
91	SATA_TXN BUS_CSI	92	GND
93	SATA_RXN BUS_CSO	94	GND
95	SATA_RXP BUS_DE	96	GND
97	GND BUS_WAIT	98	GND
99	HDMI_ECN BUS_RW	100	GND
101	HDMI_EKP BUS_LBA	102	GND
103	HDMI_MD BUS_FB1	104	GND
105	HDMI_PD BUS_EB0	106	GND
107	HDMI_N1 BUS_DATS	108	GND
109	HDMI_P1 BUS_DATA	110	GND
111	HDMI_N2 BUS_DATS	112	GND
113	HDMI_P2 BUS_DATA	114	GND
115	GND BUS_DATA1	116	GND
117	LVDS_0_TXN BUS_DATA0	118	GND
119	LVDS_0_TXP BUS_DAP	120	GND
121	LVDS_1_TXN BUS_DAB	122	GND
123	LVDS_1_TXP BUS_DAT	124	GND
125	LVDS_2_TXN BUS_DAB	126	GND
127	LVDS_2_TXP BUS_DAS	128	GND
129	LVDS_E1KN BUS_DAL	130	GND
131	LVDS_E1KP BUS_DAS	132	GND
133	LVDS_3_TXN BUS_DAZ	134	GND
135	LVDS_3_TXP BUS_DAT	136	GND
137	GND BUS_DAD	138	GND
139	GND GND	140	GND
141	USB1_N GND	142	LCD_DE
143	USB1_P LCD_DE	144	LCD_VS
145	USB1_N LCD_VS	146	LCD_HS
147	USB2_P LCD_HS	148	LCD_B7
149	USB2_N LCD_B7	150	LCD_B6
151	USB1_OTG_N LCD_B6	152	LCD_B5
153	USB1_OTG_P LCD_B5	154	LCD_B4
155	USB1_OTG_VBUS LCD_B4	156	LCD_B3
157	USB1_OTG_VBUS LCD_B3	158	LCD_B2
159	USB1_OTG_D0 LCD_B2	160	LCD_B1
161	3.3V_OUT LCD_B1	162	LCD_B0
163	ETH_LED1 LCD_B0	164	LCD_G7
165	ETH_LED2 LCD_G7	166	LCD_G6
167	ETH_LED1 LCD_G6	168	LCD_G5
169	ETH_TRD1P1X6 LCD_G5	170	LCD_G4
171	ETH_TRD1P1X6 LCD_G4	172	LCD_G3
173	ETH_TRD1P1X6 LCD_G3	174	LCD_G2
175	ETH_TRD1P1X6 LCD_G2	176	LCD_G1
177	ETH_TRD1P1X6 LCD_G1	178	LCD_G0
179	ETH_TRD1P1X6 LCD_G0	180	LCD_R7
181	ETH_TRD1P1X6 LCD_R7	182	LCD_R6
183	GND LCD_R6	184	LCD_R5
185	GND LCD_R5	186	LCD_R4
187	PCIE_TXP LCD_R4	188	LCD_R3
189	PCIE_TXN LCD_R3	190	LCD_R2
191	PCIE_RXP LCD_R2	192	LCD_R1
193	PCIE_RXN LCD_R1	194	LCD_R0
195	PCIE_REFN LCD_R0	196	LCD_CLK
197	PCIE_REFN LCD_CLK	198	GND
199	GND GND	200	GND
3.3V	3.3V_OUT		GND

X1		X1	
5V	5V	2	5V
5V	5V	3	5V
5V	5V	4	5V
5V	5V	5	5V
GND	GND	6	GND
GND	GND	7	GND
SPI2_CLK	SPI1_CLK	8	SPI1_CLK
SPI2_CS	SPI1_CS	9	SPI1_CS
SPI2_MOSI	SPI1_MOSI	10	SPI1_MOSI
SPI2_MISO	SPI1_MISO	11	SPI1_MISO
RESET	RESET	12	UART1_TX_CON
VBAT	VBAT	13	UART1_RX_CON
SD1_D0	SD1_D0	14	UART2_TX
SD1_D1	SD1_D1	15	UART2_RX
SD1_D2	SD1_D2	16	UART3_TX
SD1_D3	SD1_D3	17	UART3_RX
SD1_CMD	SD1_CMD	18	UART4_TX
SD1_CLK	SD1_CLK	19	UART4_RX
3.3V	3.3V_OUT	20	CAN1_TX
3.3V	3.3V_OUT	21	CAN1_RX
3.3V	3.3V_OUT	22	CAN2_TX
3.3V	3.3V_OUT	23	CAN2_RX
SD2_D0	CAN2_RX	24	CAN2_RX

SK-STM32F429-SODIMM			
www.starterkit.ru			
V1.A			



3.3V ← [C13] [C15] [C16] [C17]
GND ← [10.1u] [10.1u] [10.1u] [10.1u]