1. FMK50T4

1. FM 序列	LK3014 位置	Bank		NAME	BANK
号	1 1 1 1	Dalik	16 J A	IVAIVIE	也压
1	F4	5	U5_S0	VCC1V5	1.5V
2	J6	5	U5_1P_G0_AD4P	700173	1.5 (
3	K6	5	U5_1N_G0_AD4N		
4	H4	5	U5_2P_G0_AD12P		
5	G4	5	U5_2N_G0_AD12N		
6	H5	5	U5_3P_G0_DQS_AD5P	DDR3_CS_B	
7	J5	5	U5_3N_G0_DQS_AD5N	DDR3_BA1	
8	E3	5	U5_4P_G0		
9	F3	5	U5_4N_G0	DDR3_RAS_B	
10	G3	5	U5_5P_G0_AD13P		
11	Н3	5	U5_5N_G0_AD13N		
12	B2	5	U5_6P_G0		
13	C2	5	U5_6N_G0_VREF	VREF0V75	
14	D1	5	U5_7P_G1_AD6P	DDR3_A13	
15	E1	5	U5_7N_G1_AD6N	DDR3_CAS_B	
16	D2	5	U5_8P_G1_AD14P	DDR3_ODT	
17	E2	5	U5_8N_G1_AD14N	DDR3_WE_B	
18	B1	5	U5_9P_G1_DQS_AD7P		
19	A1	5	U5_9N_G1_DQS_AD7N		
20	K4	5	U5_10P_G1_AD15P	DDR3_A4	
21	J4	5	U5_10N_G1_AD15N	DDR3_A10	
22	К3	5	U5_11P_G1_SRC	DDR3_A0	
23	L3	5	U5_11N_G1_SRC	DDR3_A12	
24	H2	5	U5_12P_G1_MRC	DDR3_A1	
25	G2	5	U5_12N_G1_MRC	DDR3_BA0	
26	L4	5	U5_13P_G2_MRC		
27	L5	5	U5_13N_G2_MRC	DDR3_A3	
28	J1	5	U5_14P_G2_SRC		
29	K1	5	U5_14N_G2_SRC	DDR3_A2	
30	K2	5	U5_15P_G2_DQS	DDR3_CLK_P	
31	J2	5	U5_15N_G2_DQS	DDR3_CLK_N	
32	L1	5	U5_16P_G2	DDR3_A6	
33	M1	5	U5_16N_G2	DDR3_A15	
34	F1	5	U5_17P_G2		
35	G1	5	U5_17N_G2		
36	M6	5	U5_18P_G2		
37	M5	5	U5_18N_G2	DDR3_EVENT_B	
38	M2	5	U5_19P_G3	DDR3_BA2	
39	M3	5	U5_19N_G3_VREF	VREF0V75	

40	NIO	~	HZ 20D G2	DDD3 CVE	
40	N2	5	U5_20P_G3	DDR3_CKE	
41	P2	5	U5_20N_G3	DDR3_A7	
42	N4	5	U5_21P_G3_DQS		
43	N3	5	U5_21N_G3_DQS	DDD2 40	
44	N5	5	U5_22P_G3	DDR3_A9	
45	P6	5	U5_22N_G3	DDR3_A14	
46	R1	5	U5_23P_G3	DDR3_RESET_B	
47	P1	5	U5_23N_G3	DDR3_A11	
48	P4	5	U5_24P_G3	DDR3_A8	
49	P5	5	U5_24N_G3	DDR3_A5	
50	L6	5	U5_S25		
51	Т3	4	U4_S0	VCC1V5	1.5V
52	R2	4	U4_1P_G0	DDR3_DQ30	
53	R3	4	U4_1N_G0	DDR3_DQ31	
54	U2	4	U4_2P_G0	DDR3_DQ27	
55	V2	4	U4_2N_G0	DDR3_DQ26	
56	T1	4	U4_3P_G0_DQS	DDR3_DQS3_P	
57	U1	4	U4_3N_G0_DQS	DDR3_DQS3_N	
58	W2	4	U4_4P_G0	DDR3_DQ29	
59	Y2	4	U4_4N_G0	DDR3_DQ24	
60	W1	4	U4_5P_G0	DDR3_DQ28	
61	Y1	4	U4_5N_G0	DDR3_DQ25	
62	T4	4	U4_6P_G0	DDR3_DM3	
63	R4	4	U4_6N_G0_VREF	VREF0V75	
64	AA1	4	U4_7P_G1	DDR3_DQ23	
65	AB1	4	U4_7N_G1	DDR3_DQ22	
66	U3	4	U4_8P_G1	DDR3_DQ19	
67	V3	4	U4_8N_G1	DDR3_DQ18	
68	Т5	4	U4_9P_G1_DQS	DDR3_DQS2_P	
69	U5	4	U4_9N_G1_DQS	DDR3_DQS2_N	
70	AB2	4	U4_10P_G1	DDR3_DM2	
71	AB3	4	U4_10N_G1	DDR3_DQ16	
72	Y3	4	U4_11P_G1_SRC	DDR3_DQ17	
73	AA3	4	U4_11N_G1_SRC	DDR3_DQ20	
74	V4	4	U4_12P_G1_MRC	<	
75	W4	4	U4_12N_G1_MRC	DDR3_DQ21	
76	AA5	4	U4_13P_G2_MRC	DDR3_DM1	
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77	AB5	4	U4_13N_G2_MRC	DDR3_DQ13	
78	V5	4	U4_13N_G2_WRC U4_14P_G2_SRC	DDR3_DQ14	
79	U6	4	U4_14N_G2_SRC	DDR3_DQ14 DDR3_DQ9	
80	T6	4	U4_15P_G2_DQS	DDR3_DQS1_P	
81	R6	4	U4_15N_G2_DQS	DDR3_DQS1_F DDR3_DQS1_N	
82	Y4	4	U4_15N_G2_DQ3		
83	AA4	4	U4_16N_G2	DDR3_DQ15	
84	W6			DDR3_DQ11	
85	W5	4	U4_17P_G2	DDR3_DQ8 DDR3_DQ10	
-		4	U4_17N_G2	DDR3_DQ10	
86	Y6		U4_18P_G2	DDD2 DO12	
87	AA6	4	U4_18N_G2	DDR3_DQ12	
88	V7	4	U4_19P_G3	DDR3_DQ6	
89	W7	4	U4_19N_G3_VREF	VRE0V75	
90	AB6	4	U4_20P_G3	DDR3_DQ7	
91	AB7	4	U4_20N_G3	DDR3_DQ3	
92	V9	4	U4_21P_G3_DQS	DDR3_DQS0_P	
93	V8	4	U4_21N_G3_DQS	DDR3_DQS0_N	
94	AB8	4	U4_22P_G3	DDR3_DQ4	
95	AA8	4	U4_22N_G3	DDR3_DM0	
96	Y8	4	U4_23P_G3	DDR3_DQ5	
97	Y7	4	U4_23N_G3	DDR3_DQ2	
98	W9	4	U4_24P_G3	DDR3_DQ0	
99	Y9	4	U4_24N_G3	DDR3_DQ1	
100	U7	4	U4_S25		2 21/
101	T21	1	U1_S0		3.3V
102	U22	1	U1_1P_G0_D00_MOSI	FLASH_D0	
103	V22	1	U1_1N_G0_D01_DIN	FLASH_D1	
104	V21	1	U1_2P_G0_D02	FLASH_D2	
105	W21	1	U1_2N_G0_D03	FLASH_D3	
106	Y22	1	U1_3P_G0_DQS_PUDC		
107	AA22	1	U1_3N_G0_DQS_ECLK	SW_IO0	
108	T20	1	U1_4P_G0_D04	SW_IO1	
109	T19	1	U1_4N_G0_D05	SW_IO2	
110	U20	1	U1_5P_G0_D06	SW_IO3	
111	U19	1	U1_5N_G0_D07	SW_IO4	
112	V20	1	U1_6P_G0_CS	FLASH_CS	
113	V19	1	U1_6N_G0_D08_VREF		
114	Y20	1	U1_7P_G1_D09	1	
115	W20	1	U1_7N_G1_D10	1	
116	AA19	1	U1_8P_G1_D11	1	
117	Y19	1	U1_8N_G1_D12		
118	AA21	1	U1_9P_G1_DQS	B14_L9_P	
119	AA20	1	U1_9N_G1_DQS_D13	B14_L10_N	

120	A D 10	1	111 10D C1 D14	D14 110 D	1
120	AB19	1	U1_10P_G1_D14	B14_L12_P	
121	AB18	1	U1_10N_G1_D15	B14_L14_N	
122	AB21	1	U1_11P_G1_SRC	B14_L10_P	
123	AB20	1	U1_11N_G1_SRC	B14_L11_P	
124	AA18	1	U1_12P_G1_MRC	B14_L14_P	
125	AA17	1	U1_12N_G1_MRC	B14_L15_P	
126	W17	1	U1_13P_G2_MRC	SYS_CLK	
127	Y18	1	U1_13N_G2_MRC		
128	U18	1	U1_14P_G2_SRC	B14_L9_N	
129	U17	1	U1_14N_G2_SRC	B14_L17_N	
130	AA16	1	U1_15P_G2_DQS_RDWR	B14_L16_N	
131	AB17	1	U1_15N_G2_DQS_CFGDO_CSON	B14_L15_N	
132	V18	1	U1_16P_G2_CSIN	B14_L11_N	
133	V17	1	U1_16N_G2_A15_D31	B14_L12_N	
134	Y16	1	U1_17P_G2_A14_D30	B14_L16_P	
135	AA15	1	U1_17N_G2_A13_D29	B14_L17_P	
136	V16	1	U1_18P_G2_A12_D28		
137	U16	1	U1_18N_G2_A11_D27	DDR3_SCL	
138	U15	1	U1_19P_G3_A10_D26	DDR3_SDA	
139	W15	1	U1_19N_G3_A09_D25_VREF		
140	W16	1	U1_20P_G3_A08_D24		
141	V15	1	U1_20N_G3_A07_D23		
142	Y14	1	U1_21P_G3_DQS		
143	AA14	1	U1_21N_G3_DQS_A06_D22	LED0	
144	V13	1	U1_22P_G3_A05_D21	LED1	
145	W14	1	U1_22N_G3_A04_D20	LED2	
146	AB14	1	U1_23P_G3_A03_D19	LED3	
147	AB15	1	U1_23N_G3_A02_D18	LED4	
148	AB13	1	U1_24P_G3_A01_D17	LED5	
149	AA13	1	U1_24N_G3_A00_D16	LED6	
150	W13	1	U1_S25	LED7	
151	K16	2	U2_S0	B15_L25	1.8V
152	J16	2	U2_1P_G0_AD0P	PHY_RXD0	
153	H16	2	U2_1N_G0_AD0N	PHY_MDC	
154	J17	2	U2_2P_G0_AD8P	B15_L12_N	
155	J18	2	U2_2N_G0_AD8N	PHY_TX_CTRL	
156	H17	2	U2_3P_G0_DQS_AD1P	PHY_RX_CTRL	
157	J19	2	U2_3N_G0_DQS_AD1N	PHY_TXD2	
158	H19	2	U2_4P_G0	PHY_TXD0	
159	H20	2	U2_4N_G0	PHY_TXD1	
160	K17	2	U2_5P_G0_AD9P	B15_L16_N	
161	L17	2	U2_5N_G0_AD9N	PHY_TXD3	
162	G21	2	U2_6P_G0	PHY_RXD3	

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163	G22	2	U2_6N_G0_VREF	PHY_RXD2	
164	G18	2	U2_7P_G1_AD2P	PHY_MDIO	
165	G19	2	U2_7N_G1_AD2N	PHY_RXD1	
166	J20	2	U2_8P_G1_AD10P	PS_POR_B	
167	K19	2	U2_8N_G1_AD10N	D15 1 15 D	
168	K20	2	U2_9P_G1_DQS_AD3P	B15_L15_P	
169	K21	2	U2_9N_G1_DQS_AD3N	B15_L14_P	
170	L18	2	U2_10P_G1_AD11P	B15_L17_N	
171	L19	2	U2_10N_G1_AD11N	B15_L17_P	
172	L21	2	U2_11P_G1_SRC	B15_L16_P	
173	L22	2	U2_11N_G1_SRC	B15_L15_N	
174	L16	2	U2_12P_G1_MRC	PHY_TX_CLK	
175	M16	2	U2_12N_G1_MRC	B15_L12_P	
176	H22	2	U2_13P_G2_MRC	PHY_RX_CLK	
177	H21	2	U2_13N_G2_MRC	B15_L13_P	
178	M20	2	U2_14P_G2_SRC	B15_L20_P	
179	M19	2	U2_14N_G2_SRC	B15_L9_N	
180	K22	2	U2_15P_G2_DQS	B15_L14_N	
181	J22	2	U2_15N_G2_DQS_ADV	B15_L13_N	
182	R22	2	U2_16P_G2_A28	B15_L20_N	
183	R21	2	U2_16N_G2_A27	B15_L9_P	
184	N21	2	U2_17P_G2_A26	B15_L19_P	
185	M21	2	U2_17N_G2_A25	B15_L18_P	
186	R20	2	U2_18P_G2_A24	B15_L21_N	
187	P20	2	U2_18N_G2_A23	B15_L0	
188	P22	2	U2_19P_G3_A22	B15_L19_N	
189	N22	2	U2_19N_G3_A21_VREF	B15_L18_N	
190	M17	2	U2_20P_G3_A20	B15_L24_N	
191	N17	2	U2_20N_G3_A19	B15_L24_P	
192	P18	2	U2_21P_G3_DQS	B15_L23_P	
193	P19	2	U2_21N_G3_DQS_A18	B15_L10_P	
194	N19	2	U2_22P_G3_A17	B15_L10_N	
195	N18	2	U2_22N_G3_A16	B15_L23_N	
196	R19	2	U2_23P_G3_OE	B15_L22_P	
197	R18	2	U2_23N_G3_WE	B15_L22_N	
198	P17	2	U2_24P_G3_RS1	B15_L11_P	
199	P16	2	U2_24N_G3_RS0	B15_L11_N	
200	T22	2	U2_S25	B15_L21_P	
201	F15	3	U3_S0	HDMI_D15	3.3V
202	F14	3	U3_1P_G0	HDMI_D11	
203	F13	3	U3_1N_G0	HDMI_D14	
204	E14	3	U3_2P_G0	HDMI_D16	
205	E13	3	U3_2N_G0	HDMI_D12	
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206	D15	3	U3_3P_G0_DQS	HDMI_D18	
207	D14	3	U3_3N_G0_DQS	HDMI_D17	
208	C13	3	U3_4P_G0	HDMI_D10	
209	B13	3	U3_4N_G0	HDMI_D9	
210	B15	3	U3_5P_G0	HDMI_D5	
211	B16	3	U3_5N_G0	HDMI_D3	
212	A13	3	U3_6P_G0	HDMI_D8	
213	A14	3	U3_6N_G0_VREF	HDMI_D6	
214	A15	3	U3_7P_G1	HDMI_D4	
215	A16	3	U3_7N_G1	HDMI_D2	
216	C14	3	U3_8P_G1	HDMI_D7	
217	C15	3	U3_8N_G1	HDMI_nRESET	
218	D16	3	U3_9P_G1_DQS	HDMI_D19	
219	E16	3	U3_9N_G1_DQS	HDMI_SD0	
220	E17	3	U3_10P_G1	HDMI_D22	
221	F16	3	U3_10N_G1	HDMI_D13	
222	B17	3	U3_11P_G1_SRC	HDMI_D1	
223	B18	3	U3_11N_G1_SRC	HDMI_HS	
224	C17	3	U3_12P_G1_MRC	HDMI_MCLK	
225	D17	3	U3_12N_G1_MRC	HDMI_D21	
226	A19	3	U3_13P_G2_MRC	HDMI_CLK	
227	A18	3	U3_13N_G2_MRC	HDMI_D0	
228	G16	3	U3_14P_G2_SRC	HDMI_INT	
229	G17	3	U3_14N_G2_SRC	HDMI_D20	
230	C19	3	U3_15P_G2_DQS	HDMI_SD1	
231	C18	3	U3_15N_G2_DQS	HDMI_DE	
232	D19	3	U3_16P_G2	HDMI_SCL	
233	E19	3	U3_16N_G2	HDMI_WS	
234	B21	3	U3_17P_G2	HDMI_SDA	
235	A21	3	U3_17P_G2	HDMI_SD3	
236	A20	3	U3_18P_G2	HDMI_SPDIF	
237	B20	3	U3_18N_G2	HDMI_VS	
238	F18	3	U3_19P_G3	HDMI_SCK	
239	E18	3	U3_19N_G3_VREF	HDMI_D23	
240	B22	3	U3_20P_G3	HDMI_SD2	
241	C22	3	U3_20N_G3		
242	D20	3	U3_21P_G3_DQS	570_SDA	
243	C20	3	U3_21N_G3_DQS	570_SCL	
244	D22	3	U3_22P_G3		
245	E22	3	U3_22N_G3	PCIE_RST	
246	E21	3	U3_23P_G3	PCIE_WAKE	
247	D21	3	U3_23N_G3		
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248 F19 3 U3_24P_G3 UART_TXD 249 F20 3 U3_24N_G3 UART_RXD 250 F21 3 U3_S25 251 A4 101 U101_UHSTITXPO PCIE_TX0_P 252 B4 101 U101_UHSTITXNO PCIE_TX0_N 253 C5 101 U101_UHSTITXP1 PCIE_TX1_P 254 D5 101 U101_UHSTITXN1 PCIE_TX1_N 255 A6 101 U101_UHSTITXP2 UHSTITXP3 256 B6 101 U101_UHSTITXN2 UHSTITXN3 257 C7 101 U101_UHSTITXN3 UHSTITXN3 258 D7 101 U101_UHSTITXN0 PCIE_RX0_N 260 B8 101 U101_UHSTIRXN0 PCIE_RX0_P 261 C11 101 U101_UHSTIRXP1 PCIE_RX1_P 262 D11 101 U101_UHSTIRXN1 PCIE_RX1_N 263 A10 101 U101_UHSTIRXN3 UHSTIRXN	
250 F21 3	
251 A4 101 U101_UHST1TXP0 PCIE_TX0_P 252 B4 101 U101_UHST1TXN0 PCIE_TX0_N 253 C5 101 U101_UHST1TXP1 PCIE_TX1_P 254 D5 101 U101_UHST1TXN1 PCIE_TX1_N 255 A6 101 U101_UHST1TXP2 PCIE_TX1_N 256 B6 101 U101_UHST1TXP3 UHST1TXP3 257 C7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXN2 UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXN3 266 D9 101	
252 B4 101 U101_UHST1TXN0 PCIE_TX0_N 253 C5 101 U101_UHST1TXP1 PCIE_TX1_P 254 D5 101 U101_UHST1TXN1 PCIE_TX1_N 255 A6 101 U101_UHST1TXP2 U101_UHST1TXN2 256 B6 101 U101_UHST1TXN2 UHST1TXP3 257 C7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXN2 UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 269 E10	
253 C5 101 U101_UHST1TXP1 PCIE_TX1_P 254 D5 101 U101_UHST1TXN1 PCIE_TX1_N 255 A6 101 U101_UHST1TXP2 U101_UHST1TXN2 256 B6 101 U101_UHST1TXN2 UHST1TXP3 257 C7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXN2 UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXP3 266 D9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLKIP PCIE_REFCLK1_P 269 E10	
254 D5 101 U101_UHST1TXN1 PCIE_TX1_N 255 A6 101 U101_UHST1TXP2	
255 A6 101 U101_UHST1TXP2 256 B6 101 U101_UHST1TXN2 257 C7 101 U101_UHST1TXP3 UHST1TXP3 258 D7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXP3 266 D9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 269 E10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 270 F10 101 U101_UHSTREF	
256 B6 101 U101_UHST1TXN2 257 C7 101 U101_UHST1TXP3 UHST1TXP3 258 D7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXP3 266 D9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_REFCLK1_P 269 E10 101 U101_UHSTREFCLKIN PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
257 C7 101 U101_UHST1TXP3 UHST1TXP3 258 D7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 U101_UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXP3 266 D9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREF MGTAVTT	
258 D7 101 U101_UHST1TXN3 UHST1TXN3 259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 U101_UHST1RXN3 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXP3 266 D9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREF MGTAVTT	
259 A8 101 U101_UHST1RXN0 PCIE_RX0_N 260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 U101_UHST1RXN2 264 B10 101 U101_UHST1RXN3 UHST1RXN3 265 C9 101 U101_UHST1RXP3 UHST1RXP3 266 D9 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREF MGTAVTT	
260 B8 101 U101_UHST1RXP0 PCIE_RX0_P 261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 264 B10 101 U101_UHST1RXN2 265 C9 101 U101_UHST1RXN3 UHST1RXN3 266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_REFCLK1_P 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREF MGTAVTT	
261 C11 101 U101_UHST1RXP1 PCIE_RX1_P 262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 264 B10 101 U101_UHST1RXN2 265 C9 101 U101_UHST1RXN3 UHST1RXN3 266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREF MGTAVTT	
262 D11 101 U101_UHST1RXN1 PCIE_RX1_N 263 A10 101 U101_UHST1RXP2 264 B10 101 U101_UHST1RXN2 265 C9 101 U101_UHST1RXN3 UHST1RXN3 266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
263 A10 101 U101_UHST1RXP2 264 B10 101 U101_UHST1RXN2 265 C9 101 U101_UHST1RXN3 UHST1RXN3 266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
264 B10 101 U101_UHST1RXN2 265 C9 101 U101_UHST1RXN3 UHST1RXN3 266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
265 C9 101 U101_UHST1RXN3 UHST1RXN3 266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
266 D9 101 U101_UHST1RXP3 UHST1RXP3 267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
267 E6 101 U101_UHSTREFCLK0P PCIE_CLK_P 268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
268 F6 101 U101_UHSTREFCLK0N PCIE_CLK_N 269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
269 E10 101 U101_UHSTREFCLK1P PCIE_REFCLK1_P 270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
270 F10 101 U101_UHSTREFCLK1N PCIE_REFCLK1_N 271 F8 101 U101_UHSTREF MGTAVTT	
271 F8 101 U101_UHSTREF MGTAVTT	
_	
272 N10 0 F0_TMS JTAG_TMS	
273 P11 0 F0_CFG_STA INIT_B	
274 R11 0 F0_CFG_V CFG_V	
275 U11 0 F0_CFG_T2 CFG_T2	
276 N13 0 F0_TCK JTAG_TCK	
277 P13 0 F0_TDI JTAG_TDI	
278 R13 0 F0_CFG_DONE DONE	
279 T13 0 F0_CFG_T1 CFG_T1	
280 J14 0 F0_TDN	
281 K14 0 F0_TDP	
282 N14 0 F0_CFG_CLK CCLK	
283 P14 0 F0_TDO JTAG_TDO	
284 T14 0 F0_CFG_ENB PROG_B	
285 U14 0 F0_CFG_T0 CFG_T0	
286 L14 0 F0_VREFP	
287 L10 0 F0_VREFN	
288 M14 0 F0_VIN	
289 M10 0 F0_VIP	
290 K11 0 F0_VCCADC VCC1V8	

IDADC	L13	
CCBAT VCC1V8	M13	1.8V
VCCP VCC3V3	R12	3.3V
VCCP VCC3V3	U13	-
TVTT MGTAVTT	C4	1.2V
TVTT MGTAVTT	B5	-
TVTT MGTAVTT	В7	-
TVTT MGTAVTT	C8	-
TVTT MGTAVTT	B9	-
TVTT MGTAVTT	B11	1
TVCC MGTAVCC	D6	1.0V
TVCC MGTAVCC	E8	1
TVCC MGTAVCC	D10	-
TVCC MGTAVCC	F7	-
TVCC MGTAVCC	F9	-
/CCP VCC1V5	C1	1.5V
/CCP VCC1V5	F2	1
VCCP VCC1V5	Н6	-
/CCP VCC1V5	Ј3	1
VCCP VCC1V5	M4	-
/CCP VCC1V5	N1	-
/CCP VCC1V5	R5	1
/CCP VCC1V5	T2	1
/CCP VCC1V5	V6	1
/CCP VCC1V5	W3	1
/CCP VCC1V5	AA7	1
/CCP VCC1V5	AB4	-
/CCP VCC1V5	V14	1
/CCP VCC3V3	T15	3.3V
/CCP VCC3V3	Y17	1
/CCP VCC3V3	T18	1
/CCP VCC3V3	W19	
/CCP VCC3V3	W22	1
/CCP VCC1V8	N15	1.8V
/CCP VCC1V8	P21	
/CCP VCC1V8	M18	
/CCP VCC1V8	L20	
/CCP VCC1V8	H18	
VCCP VCC1V8	G20	<u></u>
/CCP VCC3V3	F22	3.3V
VCCP VCC3V3	E15	
/CCP VCC3V3	D18	
/CCP VCC3V3	C21	

334	B14	3	U3_VCCP	VCC3V3	
335	A17	3	U3_VCCP	VCC3V3	-
336	J7		VCCCORE	VCCINT	1.0V
337	L7		VCCCORE	VCCINT	
338	N7		VCCCORE	VCCINT	
339	R7		VCCCORE	VCCINT	-
340	K8		VCCCORE	VCCINT	
341	M8		VCCCORE	VCCINT	
342	P8		VCCCORE	VCCINT	
343	Т8		VCCCORE	VCCINT	
344	L9		VCCCORE	VCCINT	
345	M9		VCCCORE	VCCINT	
346	N9		VCCCORE	VCCINT	
347	R9		VCCCORE	VCCINT	
348	P10		VCCCORE	VCCINT	
349	T10		VCCCORE	VCCINT	
350	J11		VCCHRAM	VCCINT	
351	L11		VCCHRAM	VCCINT	
352	N11		VCCHRAM	VCCINT	
353	H12		VCCSUP	VCC1V8	1.8V
354	K12		VCCSUP	VCC1V8	
355	M12		VCCSUP	VCC1V8	
356	P12		VCCSUP	VCC1V8	
357	T12		VCCSUP	VCC1V8	
358	A2		GND		
359	A3		GND		
360	A5		GND		
361	A7		GND		
362	A9		GND		
363	A11		GND		
364	A12		GND		
365	A22		GND		
366	В3		GND		
367	B12		GND		
368	B19		GND		
369	C3		GND		
370	C6		GND		
371	C10		GND		
372	C12		GND		
373	C16		GND		
374	D3		GND		
375	D4		GND		
376	D8		GND		

277	D12	CND	
377	D12	GND	
378	D13	GND	
379	E4	GND	
380	E5	GND	
381	E7	GND	
382	E9	GND	
383	E11	GND	
384	E12	GND	
385	E20	GND	
386	F5	GND	
387	F11	GND	
388	F12	GND	
389	F17	GND	
390	G5	GND	
391	G6	GND	
392	G7	GND	
393	G8	GND	
394	G9	GND	
395	G10	GND	
396	G12	GND	
397	G15	GND	
398	H1	GND	
399	H7	GND	
400	Н9	GND	
401	H11	GND	
402	J12	GND	
403	J21	GND	
404	K5	GND	
405	K7	GND	
406	K13	GND	
407	K15	GND	
408	K18	GND	
409	L2	GND	
410	L8	GND	
411	M7	GND	
412	M11	GND	
413	M15	GND	
414	M22	GND	
415	N6	GND	
416	N8	GND	
417	N12	GND	
418	N16	GND	
419	N20	GND	

420	Р3	GND	
421	P7	GND	
422	P9	GND	
423	R8	GND	
424	R10	GND	
425	R14	GND	
426	T11	GND	
427	T17	GND	
428	U4	GND	
429	U8	GND	
430	U10	GND	
431	U21	GND	
432	V1	GND	
432	V1 V11	GND	
434	W8	GND	
435	W18	GND	
436	Y5	GND	
437	Y13	GND	
438	Y15	GND	
439	Y21 AA2	GND	
441		GND	
441	AA12 AB9	GND	
443	AB16	GND	
444	AB10 AB22	GND GND	
445	T7 H8	NC NC	
447	J8	NC NG	
448	J9	NC NG	
449	K9	NC NG	
450	T9	NC NG	
451	U9	NC NG	
452	AA9	NC NG	
453	H10	NC NG	
454	J10	NC NG	
455	K10	NC NG	
456	V10	NC NG	
457	W10	NC NG	
458	Y10	NC NG	
459	AA10	NC	
460	AB10	NC	
461	G11	NC	
462	W11	NC	

463 Y11 NC 464 AA11 NC 465 AB11 NC 466 L12 NC 467 U12 NC 468 V12 NC 469 W12 NC 470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 475 G14 NC 476 H14 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 484 R17 NC				
465 AB11 NC 466 L12 NC 467 U12 NC 468 V12 NC 469 W12 NC 470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 475 G14 NC 476 H14 NC 477 H15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC	463	Y11	NC	
466 L12 NC 467 U12 NC 468 V12 NC 469 W12 NC 470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	464	AA11	NC	
467 U12 NC 468 V12 NC 469 W12 NC 470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 480 P15 NC 481 R15 NC 482 R16 NC	465	AB11	NC	
468 V12 NC 469 W12 NC 470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	466	L12	NC	
469 W12 NC 470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	467	U12	NC	
470 Y12 NC 471 AB12 NC 472 G13 NC 474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	468	V12	NC	
471 AB12 NC 472 G13 NC 474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	469	W12	NC	
472 G13 NC 474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	470	Y12	NC	
474 H13 NC 474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	471	AB12	NC	
474 J13 NC 475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	472	G13	NC	
475 G14 NC 476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	474	H13	NC	
476 H14 NC 477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	474	J13	NC	
477 H15 NC 478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	475	G14	NC	
478 J15 NC 479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	476	H14	NC	
479 L15 NC 480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	477	H15	NC	
480 P15 NC 481 R15 NC 482 R16 NC 483 T16 NC	478	J15	NC	
481 R15 NC 482 R16 NC 483 T16 NC	479	L15	NC	
482 R16 NC 483 T16 NC	480	P15	NC	
483 T16 NC	481	R15	NC	
	482	R16	NC	
484 R17 NC	483	T16	NC	
	484	R17	NC	