

Num	Pin Name	BGA361 Ball	Pin Multiplexer			Reset state	Power Rail	Comment
			Signal Name	Mode	Type			
1	NC	-	-	-	-	-	-	Did not connect
2	NC	-	-	-	-	-	-	Did not connect
3	NC	-	-	-	-	-	-	Did not connect
4	NC	-	-	-	-	-	-	Did not connect
5	GND	-	-	-	-	-	-	Did not connect
6	VBAT	-			POWER	I	2.2-6.0V	Must be established first.
7	PA0	A7	PA0	Primary	I/O	I,PU	3.3V	
			LCDDAT0	Peripheral A	O			
			TMS	Peripheral C	I			
8	PA1	F6	PA1	Primary	I/O	I,PU	3.3V	
			LCDDAT1	Peripheral A	O			
9	PA2	E6	PA2	Primary	I/O	I,PU	3.3V	
			LCDDAT2	Peripheral A	O			
			G1_TXCK	Peripheral B	I			
10	PA3	C6	PA3	Primary	I/O	I,PU	3.3V	
			LCDDAT3	Peripheral A	O			
			G1_RXCK	Peripheral B	I			
11	PA4	D6	PA4	Primary	I/O	I,PU	3.3V	
			LCDDAT4	Peripheral A	O			
			G1_TXEN	Peripheral B	O			
12	PA5	B6	PA5	Primary	I/O	I,PU	3.3V	
			LCDDAT5	Peripheral A	O			
			G1_TXER	Peripheral B	O			
13	PA6	A6	PA6	Primary	I/O	I,PU	3.3V	
			LCDDAT6	Peripheral A	O			
			G1_CRS	Peripheral B	I			
14	GND	-	GND	-	GROUND	I		
15	NC	-	NC	-	-	-		Did not connect
16	NC	-	NC	-	-	-		Did not connect
17	PA8	A5	PA8	Primary	I/O	I,PU	3.3V	
			LCDDAT8	Peripheral A	O			
			TCK	Peripheral C	I			
18	PA7	E5	PA7	Primary	I/O	I,PU	3.3V	
			LCDDAT7	Peripheral A	O			
19	PA10	F5	PA10	Primary	I/O	I,PU	3.3V	
			LCDDAT10	Peripheral A	O			
			G1_RXDV	Peripheral B	I			
20	PA9	F4	PA9	Primary	I/O	I,PU	3.3V	
			LCDDAT9	Peripheral A	O			
			G1_COL	Peripheral B	I			
21	PA12	G5	PA12	Primary	I/O	I,PU	3.3V	
			LCDDAT12	Peripheral A	O			
			G1_RX0	Peripheral B	I			
22	PA11	D5	PA11	Primary	I/O	I,PU	3.3V	
			LCDDAT11	Peripheral A	O			
			G1_RXER	Peripheral B	I			
23	GND	-	GND	-	GROUND	I		
24	PA13	C5	PA13	Primary	I/O	I,PU	3.3V	
			LCDDAT13	Peripheral A	O			
			G1_RX1	Peripheral B	I			
25	PA14	E4	PA14	Primary	I/O	I,PU	3.3V	
			LCDDAT14	Peripheral A	O			
			G1_TX0	Peripheral B	O			
26	PA15	B5	PA15	Primary	I/O	I,PU	3.3V	
			LCDDAT15	Peripheral A	O			
			G1_TX1	Peripheral B	O			
27	PA16	H6	PA16	Primary	I/O	I,PU	3.3V	
			LCDDAT16	Peripheral A	O			
			NTRST	Peripheral C	I			
28	PA17	D4	PA17	Primary	I/O	O,LOW	3.3V	
			LCDDAT17	Peripheral A	O			
29	PA18	G4	PA18	Primary	I/O	O,LOW	3.3V	
			LCDDAT18	Peripheral A	O			
			G1_RX2	Peripheral B	I			
30	PA19	C4	PA19	Primary	I/O	O,LOW	3.3V	
			LCDDAT19	Peripheral A	O			

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			Signal Name	Mode	Type			
31	PA20	A3	G1_RX3	Peripheral B	I	I,PU	3.3V	
			PA20	Primary	I/O			
			LCDDAT20	Peripheral A	O			
32	GND	-	GND	-	GROUND	I		
33	PA22	B3	PA22	Primary	I/O	I,PU	3.3V	
			LCDDAT22	Peripheral A	O			
			G1_MDC	Peripheral B	O			
34	PA21	B4	PA21	Primary	I/O	I,PU	3.3V	
			LCDDAT21	Peripheral A	O			
			G1_TX3	Peripheral B	O			
35	PA24	H5	PA24	Primary	I/O	I,PU	3.3V	
			LCDPWM	Peripheral A	O			
			PCK0	Peripheral B	O			
36	PA23	A4	PA23	Primary	I/O	I,PU	3.3V	
			LCDDAT23	Peripheral A	O			
			G1_MDIO	Peripheral B	I/O			
37	PA26	E3	PA26	Primary	I/O	I,PU	3.3V	
			LCDVSYNC	Peripheral A	O			
			PWMH0	Peripheral B	O			
			SPI1_NPCS1	Peripheral C	O			
38	PA25	F3	PA25	Primary	I/O	I,PU	3.3V	
			LCDDISP	Peripheral A	O			
			TD0	Peripheral B	O			
39	NC	-	NC	-	-	-		Did not connect
40	BOOT_CS	-	BOOT_CS	-	I	I,PU	3.3V	4.7K Pull-up to 3.3V on the SOM
41	VCC_+3V3	-	VCC_+3V3	-	POWER	I	3.3V	Must be established after VBAT
42	VCC_+3V3	-	VCC_+3V3	-	POWER	I	3.3V	Must be established after VBAT
43	VCC_+3V3	-	VCC_+3V3	-	POWER	I	3.3V	Must be established after VBAT
44	VCC_+3V3	-	VCC_+3V3	-	POWER	I	3.3V	Must be established after VBAT
45	PA28	G3	PA28	Primary	I/O	I,PU	3.3V	
			LCDPCK	Peripheral A	O			
			PWMH1	Peripheral B	O			
			SPI1_NPCS3	Peripheral C	O			
46	PA27	H4	PA27	Primary	I/O	I,PU	3.3V	
			LCDHSYNC	Peripheral A	O			
			PWML0	Peripheral B	O			
			SPI1_NPCS2	Peripheral C	O			
47	PA29	J5	PA29	Primary	I/O	I,PU	3.3V	
			LCDDEN	Peripheral A	O			
			PWML1	Peripheral B	O			
48	ADVREF	R12	ADVREF	-	I	I	2.8-3.3V	
49	PA30	D3	PA30	Primary	I/O	I,PU	3.3V	4.7K Pull-up to 3.3V on the SOM,IIC address 0xA0 has been used.(The LSB of the address is the Read/Write bit)
			TWD0	Peripheral A	I/O			
50	PB3	C2	PB3	Primary	I/O	I,PU	3.3V	
			G0_TXER	Peripheral A	O			
			CTS2	Peripheral B	I			
			ISI_VSYNC	Peripheral C	I			
51	PA31	J4	PA31	Primary	I/O	I,PU	3.3V	4.7K Pull-up to 3.3V on the SOM,IIC address 0xA0 has been used.(The LSB of the address is the Read/Write bit)
			TWCK0	Peripheral A	O			
52	PB5	H2	PB5	Primary	I/O	I,PU	3.3V	
			G0_COL	Peripheral A	I			
			TXD2	Peripheral B	O			
			PCK2	Peripheral C	O			
53	GND	-	GND	-	GROUND	I		
54	PB11	K4	PB11	Primary	I/O	I,PU	3.3V	
			G0_RX3	Peripheral A	I			
			RTS2	Peripheral B	O			
			PWMH1	Peripheral C	O			
			PB1	Primary	I/O			

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			Signal Name	Mode	Type			
55	PB1	A2	G0_RXCK	Peripheral A	I	I,PU	3.3V	
			SCK2	Peripheral B	I/O			
			ISI_PCK	Peripheral C	I			
56	PB15	E2	PB15	Primary	I/O	I,PU	3.3V	Has been connected to red LED on the SOM
			G0_TX3	Peripheral A	O			
			SPI2_NPCS2	Peripheral B	O			
			PWML0	Peripheral C	O			
57	PB4	J3	PB4	Primary	I/O	I,PU	3.3V	
			G0_CRS	Peripheral A	I			
			RXD2	Peripheral B	I			
			ISI_HSYNC	Peripheral C	I			
58	PB19	C1	PB19	Primary	I/O	I,PU	3.3V	
			SPI1_MOSI	Peripheral A	I/O			
			D9	Peripheral B	I/O			
59	PB10	F1	PB10	Primary	I/O	I,PU	3.3V	
			G0_RX2	Peripheral A	I			
			PCK2	Peripheral B	O			
			PWML1	Peripheral C	O			
60	PB21	L3	PB21	Primary	I/O	I,PU	3.3V	
			SPI1_NPCS0	Peripheral A	I/O			
			D11	Peripheral B	I/O			
61	PB14	A1	PB14	Primary	I/O	I,PU	3.3V	Has been connected to blue LED on the SOM
			G0_TX2	Peripheral A	O			
			SPI2_NPCS1	Peripheral B	O			
			PWMH0	Peripheral C	O			
62	GND	-	GND	-	GROUND	I		
63	PB18	K2	PB18	Primary	I/O	I,PU	3.3V	
			SPI1_MISO	Peripheral A	I/O			
			D8	Peripheral B	I/O			
64	PB23	H1	PB23	Primary	I/O	I,PU	3.3V	
			SPI1_NPCS2	Peripheral A	O			
			D13	Peripheral B	I/O			
65	NC	-	NC	-	-	I		Did not connect
66	NC	-	NC	-	-	I		Did not connect
67	PB20	D1	PB20	Primary	I/O	I,PU	3.3V	
			SPI1_SPCK	Peripheral A	I/O			
			D10	Peripheral B	I/O			
68	PB25	J1	PB25	Primary	I/O	TDO	3.3V	
			DTXD	Peripheral A	O			
			D15	Peripheral B	I/O			
			TDO	Peripheral C	O			
69	PB22	G1	PB22	Primary	I/O	I,PU	3.3V	
			SPI1_NPCS1	Peripheral A	O			
			D12	Peripheral B	I/O			
70	PB27	L2	PB27	Primary	I/O	I,PU	3.3V	
			SPI1_NPCS3	Peripheral A	O			
			TK0	Peripheral B	I/O			
			PWML0	Peripheral C	O			
71	GND	-	GND	-	GROUND	I		
72	PB28	K1	PB28	Primary	I/O	I,PU	3.3V	
			SPI2_NPCS3	Peripheral A	O			
			TD0	Peripheral B	O			
			PWMH1	Peripheral C	O			
73	PB24	E1	PB24	Primary	I/O	I,PU	3.3V	
			DRXD	Peripheral A	I			
			D14	Peripheral B	I/O			
			TDI	Peripheral C	I			
74	PB29	M3	PB29	Primary	I/O	O,LOW	3.3V	
			TWD2	Peripheral A	I/O			
			RD0	Peripheral B	I			
			PWML1	Peripheral C	O			
75	PB26	M5	PB26	Primary	I/O	I,PU	3.3V	
			PCK0	Peripheral A	O			
			RK0	Peripheral B	I/O			
			PWMH0	Peripheral C	O			
76	PB30	M4	PB30	Primary	I/O	O,LOW	3.3V	
			TWCK2	Peripheral A	O			

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			Signal Name	Mode	Type			
			RF0	Peripheral B	I/O			
77	PIOBU0	U3	PIOBU0	Primary	I	I,PU	2.0V	
78	PB31	L1	PB31	Primary	I/O	I,PU	3.3V	
			TF0	Peripheral B	I/O			
79	PIOBU1	T3	PIOBU1	Primary	I	I,PU	2.0V	
80	GND	-	GND	-	GROUND	I		
81	PIOBU2	T4	PIOBU2	Primary	I	I,PU	2.0V	
82	PIOBU5	T5	PIOBU5	Primary	I	I,PU	2.0V	
83	PIOBU3	U4	PIOBU3	Primary	I	I,PU	2.0V	
84	PIOBU6	R4	PIOBU6	Primary	I	I,PU	2.0V	
85	PIOBU4	P6	PIOBU4	Primary	I	I,PU	2.0V	
86	PIOBU7	U5	PIOBU7	Primary	I	I,PU	2.0V	
87	PD8	M1	PD8	Primary	I/O	I,PU	3.3V	
			PCK0	Peripheral A	O			
88	PD9	M2	PD9	Primary	I/O	I,PU	3.3V	
			FIQ	Peripheral A	I			
89	GND	-	GND	-	GROUND	I		
90	PD11	N3	PD11	Primary	I/O	I,PU	3.3V	
			RTS0	Peripheral A	O			
			SPI2_MISO	Peripheral B	I/O			
91	PD10	N2	PD10	Primary	I/O	I,PU	3.3V	
			CTS0	Peripheral A	I			
92	PD13	P3	PD13	Primary	I/O	I,PU	3.3V	
			TXD0	Peripheral A	O			
			SPI2_MOSI	Peripheral B	I/O			
93	PD12	N1	PD12	Primary	I/O	O,PD	3.3V	
			RXD0	Peripheral A	I			
94	PD15	N4	PD15	Primary	I/O	I,PU	3.3V	
			RTS1	Peripheral A	O			
			SPI2_SPCK	Peripheral B	I/O			
95	PD14	P2	PD14	Primary	I/O	I,PU	3.3V	
			CTS1	Peripheral A	I			
96	PD17	R3	PD17	Primary	I/O	I,PU	3.3V	
			TXD1	Peripheral A	O			
			SPI2_NPCS0	Peripheral B	I/O			
97	PD16	R2	PD16	Primary	I/O	O,PD	3.3V	
			RXD1	Peripheral A	I			
98	GND	-	GND	-	GROUND	I		
99	PD18	T9	PD18	Primary	I/O	I,PU	3.3V	
100	PD19	P11	PD19	Primary	I/O	I,PU	3.3V	
101	PD20	T10	PD20	Primary	I/O	I,PU	3.3V	
102	PD21	P10	PD21	Primary	I/O	I,PU	3.3V	
103	NC	-	NC	-	-	-		Did not connect
104	NC	-	NC	-	-	-		Did not connect
105	PD22	U11	PD22	Primary	I/O	I,PU	3.3V	
106	PD23	R10	PD23	Primary	I/O	I,PU	3.3V	
107	GND	-	GND	-	GROUND	I		
108	PD25	R11	PD25	Primary	I/O	I,PU	3.3V	
109	PD24	U10	PD24	Primary	I/O	I,PU	3.3V	
110	PD27	T14	PD27	Primary	I/O	I,PU	3.3V	
111	PD26	U13	PD26	Primary	I/O	I,PU	3.3V	
112	PD29	P1	PD29	Primary	I/O	I,PU	3.3V	
			SCK1	Peripheral A	I/O			
113	PD28	R1	PD28	Primary	I/O	I,PU	3.3V	
			SCK0	Peripheral A	I/O			
115	PD31	P5	PD31	Primary	I/O	I,PU	3.3V	
			SPI0_NPCS2	Peripheral A	O			
			PCK1	Peripheral B	O			
116	GND	-	GND	-	GROUND	I		
117	PC0	V4	PC0	Primary	I/O	I,PU	3.3V	Has been connected to the SPI Flash on SOM
			SPI0_MISO	Peripheral A	I/O			
			PWMH2	Peripheral B	O			
			ISI_D8	Peripheral C	I			
118	PC19	U14	PC19	Primary	I/O	I,PU	3.3V	
			ISI_D0	Peripheral A	I			
			TK1	Peripheral B	I/O			

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			Signal Name	Mode	Type			
119	PC1	P8	PC1	Primary	I/O	I,PU	3.3V	Has been connected to the SPI Flash on SOM
			SPI0_MOSI	Peripheral A	I/O			
			PWML2	Peripheral B	O			
			ISI_D9	Peripheral C	I			
120	PC20	V11	PC20	Primary	I/O	I,PU	3.3V	
			ISI_D1	Peripheral A	I			
			TF1	Peripheral B	I/O			
121	PC2	V5	PC2	Primary	I/O	I,PU	3.3V	Has been connected to the SPI Flash on the SOM
			SPI0_SPCK	Peripheral A	I/O			
			PWMH3	Peripheral B	O			
			ISI_D10	Peripheral C	I			
122	PC21	U15	PC21	Primary	I/O	I,PU	3.3V	
			ISI_D2	Peripheral A	I			
			TD1	Peripheral B	O			
123	PC3	R8	PC3	Primary	I/O	I,PU	3.3V	Has been connected to the SPI Flash on the SOM
			SPI0_NPCSO	Peripheral A	I/O			
			PWML3	Peripheral B	O			
			ISI_D11	Peripheral C	I			
124	PC22	T15	PC22	Primary	I/O	I,PU	3.3V	
			ISI_D3	Peripheral A	I			
			RF1	Peripheral B	I/O			
125	GND	-	GND	-	GROUND	I		
126	PC23	U16	PC23	Primary	I/O	I,PU	3.3V	
			ISI_D4	Peripheral A	I			
			RD1	Peripheral B	I			
127	PC4	W5	PC4	Primary	O	I,PU	3.3V	
			SPI0_NPCS1	Peripheral A	O			
			MCI0_CK	Peripheral B	I/O			
			PCK1	Peripheral C	O			
128	PC24	T16	PC24	Primary	I/O	I,PU	3.3V	
			ISI_D5	Peripheral A	I			
			RK1	Peripheral B	I			
			PCK1	Peripheral C	O			
129	NC	-	NC	-	-	-		Did not connect
130	PC26	R16	PC26	Primary	I/O	I,PU	3.3V	
			ISI_D7	Peripheral A	I			
			TWCK3	Peripheral B	O			
			UTXD1	Peripheral C	O			
131	PC27	U12	PC27	Primary	I/O	I,PU	3.3V	
			AD0	Alternate	I			
			SPI0_NPCS1	Peripheral B	O			
			PWML0	Peripheral C	O			
132	PC25	V17	PC25	Primary	I/O	I,PU	3.3V	
			ISI_D6	Peripheral A	I			
			TWD3	Peripheral B	I/O			
			URXD1	Peripheral C	I			
133	PC28	T11	PC28	Primary	I/O	I,PU	3.3V	
			AD1	Alternate	I			
			SPI0_NPCS2	Peripheral B	O			
			PWML1	Peripheral C	O			
134	GND	-	GND	-	GROUND	I		
135	PC29	R13	PC29	Primary	I/O	I,PU	3.3V	
			AD2	Alternate	I			
			SPI0_NPCS3	Peripheral B	O			
			PWMFIO	Peripheral C	O			
136	NC	-	NC	-	-	-		Did not connect
137	PC30	T12	PC30	Primary	I/O	I,PU	3.3V	
			AD3	Alternate	I			
			PWMH0	Peripheral C	O			
138	PE30	U2	PE30	Primary	I/O	O,LOW	3.3V	
			DIBN	Peripheral A	O			
			UTXD0	Peripheral B	O			
			TWCK1	Peripheral C	O			
139	PC31	T13	PC31	Primary	I/O	I,PU	3.3V	
			AD4	Alternate	I			
			PWMH1	Peripheral C	O			

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			Signal Name	Mode	Type			
140	PE29	V1	PE29	Primary	I/O	O,LOW	3.3V	
			DIBP	Peripheral A	O			
			URXD0	Peripheral B	I			
			TWD1	Peripheral C	I/O			
141	NC	-	-	-	-		Did not connect	
142	NC	-	-	-	-		Did not connect	
143	GND	-	GND	-	GROUND	I		
144	PE31	L4	PE31	Primary	I/O	O,LOW	3.3V	
			ADTRG	Peripheral A	I			
145	PE0	W19	PE0	Primary	I/O	A0,PD	3.3V	
			A0/NBS0	Peripheral A	O			
			MCI0_CDB	Peripheral B	I/O			
			CTS4	Peripheral C	I			
146	PE1	U17	PE1	Primary	I/O	A1,PD	3.3V	
			A1	Peripheral A	O			
			MCI0_DB0	Peripheral B	I/O			
147	PE2	T17	PE2	Primary	I/O	A2,PD	3.3V	
			A2	Peripheral A	O			
			MCI0_DB1	Peripheral B	I/O			
148	PE3	P16	PE3	Primary	I/O	A3,PD	3.3V	
			A3	Peripheral A	O			
			MCI0_DB2	Peripheral B	I/O			
149	PE5	R17	PE5	Primary	I/O	A5,PD	3.3V	
			A5	Peripheral A	O			
			CTS3	Peripheral B	I			
150	PE4	U18	PE4	Primary	I/O	A4,PD	3.3V	
			A4	Peripheral A	O			
			MCI0_DB3	Peripheral B	I/O			
151	PE7	U19	PE7	Primary	I/O	A7,PD	3.3V	
			A7	Peripheral A	O			
			TIOB3	Peripheral B	I/O			
			PWMF11	Peripheral C	I			
152	PE6	V19	PE6	Primary	I/O	O,LOW	3.3V	
			A6	Peripheral A	O			
			TIOA3	Peripheral B	I/O			
153	PE9	T18	PE9	Primary	I/O	A9,PD	3.3V	
			A9	Peripheral A	O			
			TIOA2	Peripheral B	I/O			
154	GND	-	GND	-	GROUND	I		
155	PE11	R18	PE11	Primary	I/O	A11,PD	3.3V	
			A11	Peripheral A	O			
			TCLK2	Peripheral B	I			
156	PE8	T19	PE8	Primary	I/O	A8,PD	3.3V	
			A8	Peripheral A	O			
			TCLK3	Peripheral B	I			
			PWML3	Peripheral C	O			
157	GND	-	GND	-	GROUND	I		
158	PE10	N14	PE10	Primary	I/O	A10,PD	3.3V	
			A10	Peripheral A	O			
			TIOB2	Peripheral B	I/O			
159	USBA_DP	W14	USBA_DP	Primary	I/O	O, PD	3.3V	
160	PE12	P17	PE12	Primary	I/O	A12,PD	3.3V	
			A12	Peripheral A	O			
			TIOA1	Peripheral B	I/O			
			PWMH2	Peripheral C	O			
161	USBA_DM	V14	USBA_DM	Primary	I/O	O, PD	3.3V	
162	PE17	N19	PE17	Primary	I/O	A17,PD	3.3V	
			A17	Peripheral A	O			
			TXD3	Peripheral B	O			
			TCLK0	Peripheral C	I			
163	GND	-	GND	-	GROUND	I		
164	PE16	M15	PE16	Primary	I/O	A16,PD	3.3V	
			A16	Peripheral A	O			
			RXD3	Peripheral B	I			
			TIOB0	Peripheral C	I/O			
165	USBB_DP	W15	USBB_DP	Primary	I/O	O, PD	3.3V	

Num	Pin Name	BGA361 Ball	Pin Multiplexer			Reset state	Power Rail	Comment
			Signal Name	Mode	Type			
166	PE13	P18	PE13	Primary	I/O	A13,PD	3.3V	
			A13	Peripheral A	O			
			TIOB1	Peripheral B	I/O			
			PWML2	Peripheral C	O			
167	USBB_DM	V15	USBB_DM	Primary	I/O	O, PD	3.3V	
168	PE14	N17	PE14	Primary	I/O	A14,PD	3.3V	
			A14	Peripheral A	O			
			TCLK1	Peripheral B	I			
			PWMH3	Peripheral C	O			
169	GND	-	GND	-	GROUND	I		
170	GND	-	GND	-	GROUND	I		
171	USBC_DP	W16	USBC_DP	Primary	I/O	O, PD	3.3V	
172	PE15	N18	PE15	Primary	I/O	A15,PD	3.3V	
			A15	Peripheral A	O			
			SCK3	Peripheral B	I/O			
			TIOA0	Peripheral C	I/O			
173	USBC_DM	V16	USBC_DM	Primary	I/O	O, PD	3.3V	
174	PE18	P19	PE18	Primary	I/O	A18,PD	3.3V	
			A18	Peripheral A	O			
			TIOA5	Peripheral B	I/O			
			MCI1_CK	Peripheral C	I/O			
175	GND	-	GND	-	GROUND	I		
176	GND	-	GND	-	GROUND	I		
177	PE19	N16	PE19	Primary	I/O	A19,PD	3.3V	
			A19	Peripheral A	O			
			TIOB5	Peripheral B	I/O			
			MCI1_CDA	Peripheral C	I/O			
178	JTAGSEL	V2	JTAGSEL	Primary	I	I,PD	2.0V	
179	PE23	L18	PE23	Primary	I/O	A25,PD	3.3V	
			A25	Peripheral A	O			
			TCLK4	Peripheral B	I			
			MCI1_DA3	Peripheral C	I/O			
180	WKUP	V3	WKUP	Primary	I	I,ST	2.0V	100K Pull-up to 2.0V on the SOM
181	PE25	M17	PE25	Primary	I/O	NCS1	3.3V	
			NCS1	Peripheral A	O			
			SCK4	Peripheral B	I/O			
			IRQ	Peripheral C	I			
182	SHDN	T2	SHDN	Primary	O	O,PU	2.0V	
183	PE27	M16	PE27	Primary	I/O	NCS2	3.3V	
			NWR1/NBS1	Peripheral A	O			
			TXD4	Peripheral B	O			
184	NC	-	NC	-	-	-		Did not connect
185	GND	-	GND	-	GROUND	I		
186	NRST	T1			I	I	3.3V	4.7K Pull-up to 3.3V on the SOM and Connect to a supervisory Voltage Reset chip
			NRST	Primary				
187	RTHO_RX-	-	ETHO_RX-	-	I/O		3.3V	Internal termination resistor on the SOM
188	PE20	M14	PE20	Primary	I/O	A20,PD	3.3V	
			A20	Peripheral A	O			
			TCLK5	Peripheral B	I			
			MCI1_DA0	Peripheral C	I/O			
189	RTH_RX+	-	ETHO_RX+	-	I/O		3.3V	Internal termination resistor on the SOM
190	PE21	M18	PE21	Primary	I/O	A23,PD	3.3V	
			A23	Peripheral A	O			
			TIOA4	Peripheral B	I/O			
			MCI1_DA1	Peripheral C	I/O			
191	RTH_TX-	-			I/O		3.3V	Internal termination resistor on the SOM
			ETHO_TX-	-				
192	PE22	M19	PE22	Primary	I/O	A24,PD	3.3V	
			A24	Peripheral A	O			
			TIOB4	Peripheral B	I/O			
			MCI1_DA2	Peripheral C	I/O			
193	RTH_TX+	-	ETHO_TX+	-	I/O		3.3V	Internal termination resistor on the SOM

Num	Pin Name	BGA361 Ball	Pin Multiplexer			Reset state	Power Rail	Comment
			Signal Name	Mode	Type			
194	PE24	L19	PE24	Primary	I/O	NCS0	3.3V	
			NCS0	Peripheral A	O			
			RTS3	Peripheral B	O			
195	GND	-	GND	-	GROUND	I		
196	PE26	L15	PE26	Primary	I/O	NCS2	3.3V	
			NCS2	Peripheral A	O			
			RXD4	Peripheral B	I			
			A18	Peripheral C	O			
197	LED2		LED2	-	I		3.3V	4.7K Pull-up to 3.3V on the SOM
198	PE28	L17	PE28	Primary	I/O	I,PD	3.3V	
			NWAIT	Peripheral A	I			
			RTS4	Peripheral B	O			
			A19	Peripheral C	O			
199	LED1	-	LED1	-	O		3.3V	4.7K Pull-up to 3.3V on the SOM
200	GND	-	GND	-	GROUND	I		