I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
	1	VCCINT	VCCINT
	2	GNDINT	GND
	3	VCCINT	VCCINT
	4	GNDINT	GND
	5	VCCINT	VCCINT
	6	GNDINT	GND
	7	VCCINT	VCCINT
	8	GNDINT	GND
13	9	I/O	E6
13	10	I/O	A8
	11	VCCINT	VCCINT
	12	GNDINT	GND
13	13	I/O	B8
13	14	I/O	C8
13	15	I/O	E7
13	16	VCCIO	VCCIO13
13	17	VCCIO	VCCIO13
13	18	I/O	D8
13	19	I/O	E8
13	20	I/O	E9
13	21	I/O	E10
	22	VCCINT	VCCINT
	23	GNDINT	GND
13	24	I/O	A5
13	25	I/O	B5
13	26	I/O	D5
13	27	I/O	E5
13	28	I/O	F5
	29	GNDINT	GND
13	30	I/O	G5
13	31	I/O	H5
13	32	I/O	J5
13	33	I/O	E4
13	34	I/O	K5
	35	VCCINT	VCCINT
	36	GNDINT	GND
13	37	I/O	H4
13	38	I/O	J4
13	39	I/O	K4
13	40	I/O	L5
13	41	I/O	M5
13	42	VCCIO	VCCIO13
13	43	I/O	N13
13	44	I/O	N12
13	45	I/O	N11
13	46	I/O	N4
13	47	I/O	P4
	48	VCCINT	VCCINT
	49	GNDINT	GND
13	50	I/O	P13

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
13	51	I/O	P12
13	52	I/O	P11
13	53	I/O	P10
13	54	I/O	R13
	55	GNDINT	GND
13	56	I/O	R12
13	57	I/O	R11
13	58	I/O	R10
13	59	I/O	N5
13	60	I/O	R4
	61	VCCINT	VCCINT
	62	GNDINT	GND
	63	VCCINT	VCCINT
	64	GNDINT	GND
13	65	I/O	P8
13	66	I/O	T13
13	67	I/O	T12
13	68	I/O	R9
13	69	I/O	P7
13	70	VCCIO	VCCIO13
13	71	I/O	T11
13	72	I/O	U12
13	73	I/O	T10
13	74	I/O	P5
13	75	I/O	T4
	76	VCCINT	VCCINT
	77	GNDINT	GND
13	78	I/O	P6
13	79	I/O	R8
13	80	I/O	U11
13	81	I/O	V12
13	82	I/O	R7
	83	GNDINT	GND
13	84	I/O	U10
13	85	I/O	U4
13	86	I/O, DATA6 (1)	A4
13	87	I/O	R5
13	88	I/O	T8
	89	VCCINT	VCCINT
	90	GNDINT	GND
13	91	I/O	R6
13	92	I/O	V11
13	93	I/O, DATA7 (1)	B4
13	94	I/O	U9
13	95	I/O	W12
13	96	VCCIO	VCCIO13
13	97	I/O	T7
13	98	I/O	V10
13	99	I/O, nWS (1)	C4
13	100	I/O	V4

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
13	101	I/O	T5
	102	VCCINT	VCCINT
	103	GNDINT	GND
13	104	I/O	U8
13	105	I/O	T6
13	106	I/O, nRS (1)	D4
13	107	I/O	U7
13	108	I/O	V8
	109	GNDINT	GND
13	110	I/O	V7
13	111	I/O	U6
13	112	I/O, nCS (1)	D3
13	113	I/O	V5
13	114	I/O	U5
	115	VCCINT	VCCINT
	116	GNDINT	GND
	117	VCC_CKLK4 (2)	P9
	118	GND_CKLK4 (2)	T9
	119	GND_CKLK4 (2)	T9
13	120	I/O, CS (1)	E3
13	121	I/O	V6
13	122	I/O, DEV_CLRn (3)	H3
13	123	VCCIO	VCCIO13
13	124	I/O, CLKLK_FB2n (4)	J3
5	125	CLKLK_FB2p	K3
13	126	I/O, CLK4n (4)	N3
13	127	CLK4p	P3
13	128	I/O, CLK2n (4)	R3
	129	VCCINT	VCCINT
	130	GNDINT	GND
13	131	DATA0 (5), (6)	V3
13	132	DCLK (5)	W3
13	133	CLK2p	Y3
13	134	nCE (5)	AC3
13	135	TDI (5)	AD3
	136	GND_CKLK2 (2)	V9
	137	GND_CKLK2 (2)	V9
	138	GNDINT	GND
	139	VCCINT	VCCINT
	140	VCC_CKLK2 (2)	Y9
12	141	I/O, DEV_OE (3)	AE3
5	142	VCC_CKOUT2 (7)	AA9
5	143	GND_CKOUT2 (7)	W9
5	144	CLKLK_OUT2p (8)	AH3
12	145	I/O, CLKLK_OUT2n (4)	AJ3
	146	GNDINT	GND
12	147	I/O, LVDSTXINCLK1p	AM5
12	148	I/O, LVDSTXINCLK1n (4)	AL5
12	149	I/O, LOCK2 (9)	AK4
12	150	I/O, LVDSTXOUTCLK1n (4)	AM4

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
12	151	I/O, LVDSTXOUTCLK1p	AL4
	152	GNDINT	GND
	153	VCCINT	VCCINT
12	154	I/O, LVDSTX01p	D1
12	155	I/O, LVDSTX01n (4)	D2
12	156	I/O	W6
12	157	I/O, LVDSTX02n (4)	E1
12	158	I/O, LVDSTX02p	E2
12	159	VCCIO	VCCIO12
12	160	I/O, LVDSTX03p	H1
12	161	I/O, LVDSTX03n (4)	H2
12	162	I/O	W7
12	163	I/O, LVDSTX04n (4)	J1
12	164	I/O, LVDSTX04p	J2
	165	GNDINT	GND
	166	VCCINT	VCCINT
12	167	I/O, LVDSTX05p	K1
12	168	I/O, LVDSTX05n (4)	K2
12	169	I/O, LOCK4 (9)	AK5
12	170	I/O, LVDSTX06n (4)	N1
12	171	I/O, LVDSTX06p	N2
	172	GNDINT	GND
12	173	I/O, LVDSTX07p	P1
12	174	I/O, LVDSTX07n (4)	P2
12	175	I/O	Y6
12	176	I/O, LVDSTX08n (4)	R1
12	177	I/O, LVDSTX08p	R2
	178	GNDINT	GND
	179	VCCINT	VCCINT
12	180	I/O, LVDSTX09p	V1
12	181	I/O, LVDSTX09n (4)	V2
12	182	I/O	W8
12	183	I/O, LVDSTX10n (4)	W1
12	184	I/O, LVDSTX10p	W2
12	185	VCCIO	VCCIO12
12	186	I/O, LVDSTX11p	Y1
12	187	I/O, LVDSTX11n (4)	Y2
12	188	I/O	AA6
12	189	I/O, LVDSTX12n (4)	AC1
12	190	I/O, LVDSTX12p	AC2
	191	GNDINT	GND
	192	VCCINT	VCCINT
12	193	I/O, LVDSTX13p	AD1
12	194	I/O, LVDSTX13n (4)	AD2
12	195	I/O	W5
12	196	I/O, LVDSTX14n (4)	AE1
12	197	I/O, LVDSTX14p	AE2
	198	GNDINT	GND
12	199	I/O, LVDSTX15p	AH1
12	200	I/O, LVDSTX15n (4)	AH2

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
12	201	I/O	W4
12	202	I/O, LVDSTX16n (4)	AJ1
12	203	I/O, LVDSTX16p	AJ2
	204	GNDINT	GND
	205	VCCINT	VCCINT
	206	GNDINT	GND
	207	VCCINT	VCCINT
12	208	I/O	Y7
12	209	I/O	AB6
12	210	I/O	AA7
12	211	I/O	Y8
12	212	I/O	W10
12	213	VCCIO	VCCIO12
12	214	I/O	AC6
12	215	I/O	Y5
12	216	I/O	Y4
12	217	I/O	AB7
12	218	I/O	AA8
	219	GNDINT	GND
	220	VCCINT	VCCINT
12	221	I/O	W11
12	222	I/O	Y10
12	223	I/O	AB8
12	224	I/O	AC7
12	225	I/O	AA5
	226	GNDINT	GND
12	227	I/O	AD6
12	228	I/O	Y11
12	229	I/O	AA10
12	230	I/O	AB9
12	231	I/O	AB5
	232	GNDINT	GND
	233	VCCINT	VCCINT
12	234	I/O	AC8
12	235	I/O	Y12
12	236	I/O	AA11
12	237	I/O	AD7
12	238	I/O	AC5
12	239	VCCIO	VCCIO12
12	240	I/O	AD5
12	241	I/O	AC9
12	242	I/O	AA12
12	243	I/O	AD8
12	244	I/O	AE5
	245	GNDINT	GND
	246	VCCINT	VCCINT
12	247	I/O	AC4
12	248	I/O	AD4
12	249	I/O	AE4
12	250	I/O	AF5

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
	251	GNDINT	GND
11	252	I/O	AG5
11	253	I/O	AH4
11	254	I/O	AJ4
	255	GNDINT	GND
	256	VCCINT	VCCINT
11	257	I/O	AH5
11	258	I/O	AJ5
11	259	I/O	AE6
11	260	I/O	AF6
11	261	I/O	AG6
11	262	I/O	AH6
11	263	I/O	AE7
11	264	VCCIO	VCCIO11
11	265	I/O	AG7
11	266	I/O	AF7
11	267	I/O	AH7
11	268	I/O	AE8
11	269	I/O	AF8
11	270	I/O	AG8
11	271	I/O	AH8
11	272	I/O	AJ8
11	273	I/O	AK8
11	274	I/O	AL8
	275	GNDINT	GND
11	276	I/O	AM8
11	277	I/O	AD9
11	278	I/O	AE9
11	279	I/O	AF9
11	280	I/O	AG9
11	281	I/O	AM9
11	282	I/O	AL9
11	283	I/O	AK9
11	284	I/O	AJ9
11	285	I/O	AH9
11	286	VCCIO	VCCIO11
11	287	I/O	AB10
11	288	I/O	AC10
11	289	I/O	AD10
11	290	I/O	AE10
11	291	I/O	AF10
11	292	I/O	AG10
11	293	I/O	AL10
11	294	I/O	AK10
11	295	I/O	AJ10
11	296	I/O	AH10
	297	GNDINT	GND
11	298	I/O	AB11
11	299	I/O	AC11
11	300	I/O	AD11

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
11	301	I/O	AB12
11	302	I/O	AE11
11	303	I/O	AC12
11	304	I/O	AH11
11	305	I/O	AF11
11	306	I/O	AD12
	307	I/O	-
11	308	I/O	AG11
11	309	VCCIO	VCCIO11
	310	VCCINT	VCCINT
	311	VCCINT	VCCINT
	312	GNDINT	GND
	313	GNDINT	GND
11	314	I/O	AG12
	315	I/O	-
11	316	I/O	AF12
11	317	I/O	AE12
11	318	I/O	AH12
11	319	I/O	AB13
11	320	I/O	AG13
11	321	I/O	AF13
11	322	I/O	AE13
11	323	I/O	AD13
11	324	I/O	AC13
	325	GNDINT	GND
11	326	I/O	AH13
11	327	I/O	AJ13
11	328	I/O	AK13
11	329	I/O	AL13
11	330	I/O	AB14
11	331	I/O	AC14
11	332	I/O	AD14
11	333	I/O	AE14
11	334	I/O	AF14
11	335	I/O	AG14
11	336	VCCIO	VCCIO11
11	337	I/O	AH14
11	338	I/O	AJ14
11	339	I/O	AK14
11	340	I/O	AL14
11	341	I/O	AB15
11	342	I/O	AC15
11	343	I/O	AD15
11	344	I/O	AE15
11	345	I/O	AF15
11	346	I/O	AG15
	347	GNDINT	GND
11	348	I/O	AH15
11	349	I/O	AJ15
11	350	I/O	AK15

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
11	351	I/O	AL15
11	352	I/O	AB16
11	353	I/O	AC16
11	354	I/O	AD16
11	355	I/O	AE16
11	356	I/O	AF16
11	357	I/O, LVDSDESKEW	AM10
11	358	VCCIO	VCCIO11
11	359	I/O	AG16
11	360	I/O	AH16
11	361	I/O	AJ16
11	362	I/O	AK16
11	363	I/O	AK17
10	364	CONF_DONE (5)	AM13
10	365	NSTATUS (5)	AM14
10	366	FAST4	AM15
	367	VCCINT	VCCINT
	368	VCCINT	VCCINT
	369	GNDINT	GND
	370	GNDINT	GND
	371	GNDINT	GND
10	372	FAST3	AM18
10	373	TCK (5)	AM19
10	374	TMS (5)	AM20
10	375	I/O	AG17
10	376	I/O	AF17
10	377	I/O	AE17
10	378	I/O	AD17
10	379	I/O	AC17
10	380	VCCIO	VCCIO10
10	381	I/O	AB17
10	382	I/O	AH17
10	383	I/O	AJ17
10	384	I/O	AB18
10	385	I/O	AC18
10	386	I/O	AF18
10	387	I/O	AG18
10	388	I/O	AE18
10	389	I/O	AD18
10	390	I/O	AH18
	391	GNDINT	GND
10	392	I/O	AJ18
10	393	I/O	AK18
10	394	I/O	AL18
10	395	I/O	AB19
10	396	I/O	AC19
10	397	I/O	AD19
10	398	I/O	AE19
10	399	I/O	AF19
10	400	I/O	AG19

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
10	401	I/O	AH19
10	402	VCCIO	VCCIO10
10	403	I/O	AJ19
10	404	I/O	AK19
10	405	I/O	AL19
10	406	I/O	AB20
10	407	I/O	AC20
10	408	I/O	AD20
10	409	I/O	AE20
10	410	I/O	AF20
10	411	I/O	AG20
10	412	I/O	AH20
	413	GNDINT	GND
10	414	I/O	AJ20
10	415	I/O	AK20
10	416	I/O	AL20
10	417	I/O	AB21
10	418	I/O	AC21
10	419	I/O	AD21
10	420	I/O	AE21
10	421	I/O	AF21
10	422	I/O	AG21
10	423	I/O	-
10	424	I/O	AH21
10	425	VCCIO	VCCIO10
	426	VCCINT	VCCINT
	427	VCCINT	VCCINT
	428	GNDINT	GND
	429	GNDINT	GND
10	430	I/O	AG22
	431	I/O	-
10	432	I/O	AF22
10	433	I/O	AE22
10	434	I/O	AD22
10	435	I/O	AC22
10	436	I/O	AB22
10	437	I/O	AH22
10	438	I/O	AG23
10	439	I/O	AF23
10	440	I/O	AE23
	441	GNDINT	GND
10	442	I/O	AD23
10	443	I/O	AC23
10	444	I/O	AB23
10	445	I/O	AH23
10	446	I/O	AJ23
10	447	I/O	AK23
10	448	I/O	AL23
10	449	I/O	AM23
10	450	I/O	AB24

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
10	451	I/O	AG24
10	452	VCCIO	VCCIO10
10	453	I/O	AF24
10	454	I/O	AE24
10	455	I/O	AD24
10	456	I/O	AC24
10	457	I/O	AH24
10	458	I/O	AJ24
10	459	I/O	AK24
10	460	I/O	AL24
10	461	I/O	AM24
10	462	I/O	AB25
	463	GNDINT	GND
10	464	I/O	AC25
10	465	I/O	AD25
10	466	I/O	AE25
10	467	I/O	AF25
10	468	I/O	AG25
10	469	I/O	AH25
10	470	I/O	AJ25
10	471	I/O	AK25
10	472	I/O	AL25
10	473	I/O	AM25
10	474	VCCIO	VCCIO10
10	475	I/O	AF26
10	476	I/O	AG26
10	477	I/O	AH26
10	478	I/O	AH27
10	479	I/O	AK28
10	480	I/O	AJ28
10	481	I/O	AH28
	482	VCCINT	VCCINT
	483	GNDINT	GND
10	484	I/O	AK29
10	485	I/O	AJ29
10	486	I/O	AJ30
	487	GNDINT	GND
9	488	I/O	AG28
9	489	I/O	AH29
9	490	I/O	AG27
9	491	I/O	AH30
	492	VCCINT	VCCINT
	493	GNDINT	GND
9	494	I/O	AF27
9	495	I/O	AF28
9	496	I/O	AE26
9	497	I/O	AE27
9	498	I/O	AE30
9	499	VCCIO	VCCIO9
9	500	I/O	AE29

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
9	501	I/O	AE28
9	502	I/O	AA21
9	503	I/O	AD26
9	504	I/O	AD30
	505	VCCINT	VCCINT
	506	GNDINT	GND
9	507	I/O	AD29
9	508	I/O	AC29
9	509	I/O	AA22
9	510	I/O	AD27
9	511	I/O	AD28
	512	GNDINT	GND
9	513	I/O	Y29
9	514	I/O	Y21
9	515	I/O	AA23
9	516	I/O	AC28
9	517	I/O	AC26
	518	VCCINT	VCCINT
	519	GNDINT	GND
9	520	I/O	Y22
9	521	I/O	W21
9	522	I/O	AA24
9	523	I/O	Y23
9	524	I/O	W22
9	525	VCCIO	VCCIO9
9	526	I/O	V21
9	527	I/O	AA28
9	528	I/O	AC27
9	529	I/O	AB26
9	530	I/O	AA25
	531	VCCINT	VCCINT
	532	GNDINT	GND
	533	VCCINT	VCCINT
	534	GNDINT	GND
9	535	I/O	Y24
9	536	I/O	W23
9	537	I/O	V22
9	538	I/O	U21
9	539	I/O	AB28
	540	GNDINT	GND
9	541	I/O	Y28
9	542	I/O	AB27
9	543	I/O	AA26
9	544	I/O	Y25
9	545	I/O	V23
	546	VCCINT	VCCINT
	547	GNDINT	GND
9	548	I/O	U22
9	549	I/O	T21
9	550	I/O	W28

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
9	551	I/O	W29
9	552	I/O	R20
9	553	VCCIO	VCCIO9
9	554	I/O	T22
9	555	I/O	AA27
9	556	I/O	Y26
9	557	I/O	W25
9	558	I/O	U23
	559	VCCINT	VCCINT
	560	GNDINT	GND
9	561	I/O	V28
9	562	I/O	V29
9	563	I/O	R21
9	564	I/O	T23
9	565	I/O	U24
	566	GNDINT	GND
9	567	I/O	V25
9	568	I/O	W26
9	569	I/O	Y27
9	570	I/O	R22
9	571	I/O	U28
	572	VCCINT	VCCINT
	573	GNDINT	GND
9	574	I/O	U29
9	575	I/O	U25
9	576	I/O	V26
9	577	I/O	T25
9	578	I/O	W27
9	579	VCCIO	VCCIO9
9	580	I/O	U26
9	581	I/O	T26
9	582	I/O	T28
9	583	I/O	T29
9	584	I/O, LOCK1 (9)	AC30
	585	VCCINT	VCCINT
	586	GNDINT	GND
9	587	I/O	V27
9	588	I/O	U27
9	589	I/O	T27
	590	VCC_CKLK1 (2)	W24
	591	GND_CKLK1 (2)	V24
	592	GND_CKLK1 (2)	V24
	593	GNDINT	GND
9	594	I/O, CLKLK_FB1n (4)	AM28
4	595	CLKLK_FB1p	AL28
9	596	I/O, CLK3n (4)	Y30
9	597	CLK3p	W30
9	598	I/O, CLK1n (4)	V30
	599	VCCINT	VCCINT
	600	GNDINT	GND

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
9	601	NCONFIG (5)	R30
9	602	CLKLK_ENA (5) (10)	P30
9	603	CLK1p	N30
9	604	MSEL1 (5)	K30
9	605	MSEL0 (5)	J30
	606	GNDINT	GND
	607	VCCINT	VCCINT
4	608	VCC_CKOUT1 (7)	N24
4	609	GND_CKOUT1 (7)	T24
	610	CLKLK_OUT1p (8)	AM29
8	611	I/O, CLKLK_OUT1n (4)	AL29
	612	VCC_CKLK3 (2)	M24
8	613	VCCIO	VCCIO8
	614	GND_CKLK3 (2)	P23
	615	GND_CKLK3 (2)	P24
8	616	I/O, LVDSRXINCLK1p	B29
8	617	I/O, LVDSRXINCLK1n (4)	A29
8	618	I/O	R23
8	619	I/O	R24
	620	GNDINT	GND
	621	VCCINT	VCCINT
8	622	I/O, LVDSRX01p	AJ32
8	623	I/O, LVDSRX01n (4)	AJ31
8	624	I/O, LOCK3 (9)	H30
8	625	I/O, LVDSRX02n (4)	AH32
8	626	I/O, LVDSRX02p	AH31
	627	GNDINT	GND
8	628	I/O, LVDSRX03p	AE32
8	629	I/O, LVDSRX03n (4)	AE31
8	630	I/O	R25
8	631	I/O, LVDSRX04n (4)	AD32
8	632	I/O, LVDSRX04p	AD31
	633	GNDINT	GND
	634	VCCINT	VCCINT
8	635	I/O, LVDSRX05p	AC32
8	636	I/O, LVDSRX05n (4)	AC31
8	637	I/O	R26
8	638	I/O, LVDSRX06n (4)	Y32
8	639	I/O, LVDSRX06p	Y31
8	640	VCCIO	VCCIO8
8	641	I/O, LVDSRX07p	W32
8	642	I/O, LVDSRX07n (4)	W31
8	643	I/O	R27
8	644	I/O, LVDSRX08n (4)	V32
8	645	I/O, LVDSRX08p	V31
	646	GNDINT	GND
	647	VCCINT	VCCINT
8	648	I/O, LVDSRX09p	R32
8	649	I/O, LVDSRX09n (4)	R31
8	650	I/O	R28

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
8	651	I/O, LVDSRX10n (4)	P32
8	652	I/O, LVDSRX10p	P31
	653	GNDINT	GND
8	654	I/O, LVDSRX11p	N32
8	655	I/O, LVDSRX11n (4)	N31
8	656	I/O	R29
8	657	I/O, LVDSRX12n (4)	K32
8	658	I/O, LVDSRX12p	K31
	659	GNDINT	GND
	660	VCCINT	VCCINT
8	661	I/O, LVDSRX13p	J32
8	662	I/O, LVDSRX13n (4)	J31
8	663	I/O	P28
8	664	I/O, LVDSRX14n (4)	H32
8	665	I/O, LVDSRX14p	H31
8	666	VCCIO	VCCIO8
8	667	I/O, LVDSRX15p	E32
8	668	I/O, LVDSRX15n (4)	E31
8	669	I/O	P29
8	670	I/O, LVDSRX16n (4)	D32
8	671	I/O, LVDSRX16p	D31
	672	GNDINT	GND
	673	VCCINT	VCCINT
	674	GNDINT	GND
	675	VCCINT	VCCINT
8	676	I/O	P27
8	677	I/O	P26
8	678	I/O	N27
8	679	I/O	P25
8	680	I/O	N28
	681	GNDINT	GND
8	682	I/O	N26
8	683	I/O	N29
8	684	I/O	N25
8	685	I/O	M28
8	686	I/O	P22
	687	GNDINT	GND
	688	VCCINT	VCCINT
8	689	I/O	M27
8	690	I/O	P21
8	691	I/O	P20
8	692	I/O	N23
8	693	I/O	M26
8	694	VCCIO	VCCIO8
8	695	I/O	N22
8	696	I/O	N21
8	697	I/O	N20
8	698	I/O	N19
8	699	I/O	M23
	700	GNDINT	GND

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
	701	VCCINT	VCCINT
8	702	I/O	M22
8	703	I/O	M21
8	704	I/O	M20
8	705	I/O	M19
8	706	I/O	L27
	707	GNDINT	GND
8	708	I/O	L26
8	709	I/O	L24
8	710	I/O	L23
8	711	I/O	L28
8	712	I/O	K24
	713	GNDINT	GND
	714	VCCINT	VCCINT
8	715	I/O	K26
8	716	I/O	K27
8	717	I/O	K28
8	718	I/O	K29
8	719	VCCIO	VCCIO8
8	720	VCCIO	VCCIO8
8	721	I/O	J26
8	722	I/O	J29
8	723	I/O	J28
	724	GNDINT	GND
	725	VCCINT	VCCINT
8	726	I/O	J27
8	727	I/O	H29
7	728	EN_SELECT (12)	H28
7	729	PROC_TRST	E30
7	730	PROC_TCK	D30
7	731	PROC_TDI	H27
7	732	PROC_TDO	H26
7	733	PROC_TMS	E29
	734	VCCINT	VCCINT
	735	GNDINT	GND
	736	VCCINT	VCCINT
	737	GND_CKLK6 (2)	M25
	738	GND_CKLK6 (2)	M25
	739	VCC_CKLK6 (2)	L25
	740	GND_CKLK5 (2)	K25
	741	GND_CKLK5 (2)	K25
	742	VCC_CKLK5 (2)	J25
7	743	CLK_REF	A28
7	744	NPOR	B28
	745	GNDINT	P18
7	746	I/O, UART_CTS_N	G28
7	747	I/O, UART_DSR_N	F28
7	748	I/O, UART_RXD	D29
7	749	I/O, UART_DCD_N	G27
7	750	I/O, UART_RI_N	E28

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
7	751	GNDINT	GND
7	752	I/O, UART_TXD	D28
7	753	I/O, UART_RTS_N	C28
7	754	I/O, UART_DTR_N	G26
6	755	I/O, EBI_BE0	F27
6	756	I/O, EBI_BE1	E27
6	757	I/O, EBI_OE_N	F26
6	758	I/O, EBI_WE_N	E26
6	759	I/O, EBI_CS0	A25
6	760	I/O, EBI_CS1	B25
6	761	I/O, EBI_CS2	C25
6	762	VCCIO	VCCIO6
6	763	I/O, EBI_CS3	D25
6	764	I/O, EBI_CLK	E25
6	765	I/O, EBI_ACK	F25
6	766	I/O, INT_EXTPIN_N	G25
6	767	I/O, EBI_A0	H25
6	768	I/O, EBI_A1	D24
6	769	I/O, EBI_A2	E24
6	770	I/O, EBI_A3	F24
6	771	I/O, EBI_A4	G24
6	772	I/O, EBI_A5	J24
	773	GNDINT	GND
6	774	I/O, EBI_A6	H24
6	775	I/O, EBI_A7	E23
6	776	I/O, EBI_A8	F23
6	777	I/O, EBI_A9	G23
6	778	I/O, EBI_A10	K23
6	779	I/O, EBI_A11	J23
6	780	I/O, EBI_A12	H23
6	781	I/O, EBI_A13	E22
6	782	I/O, EBI_A14	F22
6	783	I/O, EBI_A15	E21
6	784	VCCIO	VCCIO6
6	785	I/O, EBI_A16	L22
6	786	I/O, EBI_A17	K22
6	787	I/O, EBI_A18	J22
6	788	I/O, EBI_A19	H22
6	789	I/O, EBI_A20	G22
6	790	I/O, EBI_A21	F21
6	791	I/O, EBI_A22	G21
6	792	I/O, EBI_A23	L21
6	793	I/O, EBI_A24	K21
6	794	I/O, EBI_DQ0	J21
6	795	I/O, EBI_DQ1	H21
	796	GNDINT	GND
	797	GNDINT	GND
	798	GNDINT	GND
	799	VCCINT	VCCINT
	800	VCCINT	VCCINT

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
	801	GNDINT	-
6	802	I/O, EBI_DQ2	E20
6	803	I/O, EBI_DQ3	F20
6	804	I/O, EBI_DQ4	E19
6	805	I/O, EBI_DQ5	L20
6	806	I/O, EBI_DQ6	K20
6	807	I/O, EBI_DQ7	J20
6	808	I/O, EBI_DQ8	H20
6	809	I/O, EBI_DQ9	G20
6	810	I/O, EBI_DQ10	F19
6	811	I/O, EBI_DQ11	G19
6	812	I/O, EBI_DQ12	L19
6	813	VCCIO	VCCIO6
6	814	I/O, EBI_DQ13	K19
6	815	I/O, EBI_DQ14	J19
6	816	I/O, EBI_DQ15	H19
3	817	JSELECT	C24
3	818	I/O	B24
3	819	I/O	A24
3	820	I/O	D23
3	821	I/O	C23
3	822	I/O	B23
3	823	I/O	A23
3	824	I/O	D20
	825	GNDINT	GND
3	826	I/O	C20
3	827	I/O	B20
3	828	I/O	A20
3	829	I/O	D19
3	830	I/O	C19
3	831	I/O	B19
3	832	I/O	A19
3	833	I/O	A18
3	834	I/O	B18
3	835	I/O	D18
3	836	VCCIO	VCCIO3
3	837	I/O	E18
3	838	I/O	D17
3	839	I/O	E17
3	840	I/O	D16
3	841	I/O	E16
3	842	I/O	A15
3	843	I/O	B15
3	844	I/O	D15
3	845	I/O	E15
3	846	I/O	A14
	847	GNDINT	GND
3	848	I/O	B14
3	849	I/O	C14
3	850	I/O, INIT_DONE (3)	D14

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
3	851	I/O, RDYnBSY (1)	E14
3	852	I/O, CLKUSR (1)	A13
3	853	VCCIO	VCCIO3
	854	NRESET	B13
3	855	TRST (5)	C13
3	856	nCEO (5)	D13
3	857	FAST1	E13
	858	GNDINT	GND
	859	GNDINT	GND
	860	VCCINT	VCCINT
	861	VCCINT	VCCINT
3	862	VCCIO	VCCIO3
3	863	FAST2	E12
3	864	TDO (5)	E11
	865	GNDINT	GND
	866	GNDINT	A10
3	867	DEBUG_EN	B10
3	868	BOOT_FLASH	C10
3	869	I/O, DATA1 (1)	D10
3	870	I/O, DATA2 (1)	A9
3	871	I/O, DATA3 (1)	B9
3	872	I/O, DATA4 (1)	C9
3	873	I/O, DATA5 (1)	D9
	874	GNDINT	GND
2	875	I/O, SD_DQ0	H18
2	876	I/O, SD_DQ1	H17
2	877	I/O, SD_DQ2	H16
2	878	I/O, SD_DQ3	J18
2	879	I/O, SD_DQ4	J17
2	880	I/O, SD_DQ5	H15
2	881	I/O, SD_DDR_VS0	G17
2	882	I/O, SD_DQ6	J16
2	883	I/O, SD_DQ7	J15
2	884	I/O, SD_DQS0	J14
2	885	VCCIO	VCCIO2
2	886	I/O, SD_DQM0	H14
2	887	I/O, SD_DQ8	K18
2	888	I/O, SD_DQ9	K17
2	889	I/O, SD_DQ10	L18
2	890	I/O, SD_DQ11	K16
2	891	I/O, SD_DQ12	L17
2	892	I/O, SD_DQ13	L16
2	893	I/O, SD_DQ14	K15
2	894	I/O, SD_DDR_VS1	G16
2	895	I/O, SD_DQ15	L15
	896	GNDINT	GND
2	897	I/O, SD_DQS1	K14
2	898	I/O, SD_DQM1	L14
2	899	I/O, SD_DQ16	L13
2	900	I/O, SD_DQ17	K13

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
2	901	I/O, SD_DQ18	L12
2	902	I/O, SD_DQ19	K12
2	903	I/O, SD_DQ20	L11
2	904	I/O, SD_DQ21	K11
2	905	I/O, SD_DQ22	L10
2	906	I/O, SD_DQ23	L9
2	907	VCCIO	VCCIO2
2	908	I/O, SD_DQS2	K10
2	909	I/O, SD_DQM2	K9
2	910	I/O, SD_DQ24	H13
2	911	I/O, SD_DQ25	H12
2	912	I/O, SD_DDR_VS2	G15
2	913	I/O, SD_DQ26	J13
2	914	I/O, SD_DQ27	J12
2	915	I/O, SD_DQ28	J11
2	916	I/O, SD_DQ29	J10
2	917	I/O, SD_DQ30	J9
2	918	I/O, SD_DQ31	H11
	919	GNDINT	GND
	920	GNDINT	GND
	921	GNDINT	GND
	922	VCCINT	VCCINT
	923	VCCINT	VCCINT
2	924	I/O, SD_DQS3	H10
2	925	I/O, SD_DQM3	H9
2	926	I/O, SD_WE_N	G18
2	927	I/O, SD_CAS_N	F18
2	928	I/O, SD_RAS_N	F17
2	929	I/O, SD_CS_N0	G14
2	930	I/O, SD_CS_N1	F16
2	931	I/O, SD_CLK_N	G13
2	932	I/O, SD_CLK	F15
2	933	SD_CLKE	F14
2	934	I/O, SD_A0	G12
2	935	VCCIO	VCCIO2
2	936	I/O, SD_A1	F13
2	937	I/O, SD_A2	G11
2	938	I/O, SD_A3	F12
2	939	I/O, SD_A4	F11
2	940	I/O, SD_A5	G10
2	941	I/O, SD_A6	F10
2	942	I/O, SD_A7	F9
2	943	I/O, SD_A8	G9
2	944	I/O, SD_A9	F8
2	945	I/O, SD_A10	G8
	946	GNDINT	GND
2	947	I/O, SD_A11	F7
2	948	I/O, SD_A12	F6
2	949	I/O, SD_A13	G7
2	950	I/O, SD_A14	G6

I/O & VREF Bank	Pad Number Orientation	Pin/Pad Function	1,020-Pin FineLine BGA
1	951	I/O, PIPESTAT0	N10
1	952	I/O, PIPESTAT1	N9
1	953	I/O, PIPESTAT2	M9
1	954	I/O, TRACECLK	N8
1	955	I/O, TRACESYNC	M8
1	956	I/O, TRACEPKT0	L8
1	957	VCCIO	VCCIO1
1	958	I/O, TRACEPKT1	K8
1	959	I/O, TRACEPKT2	J8
1	960	I/O, TRACEPKT3	H8
1	961	I/O, TRACEPKT4	N7
1	962	I/O, TRACEPKT5	M7
1	963	I/O, TRACEPKT6	L7
1	964	I/O, TRACEPKT7	K7
1	965	I/O, TRACEPKT8	J7
1	966	I/O, TRACEPKT9	H7
1	967	I/O, TRACEPKT10	N6
	968	GNDINT	GND
1	969	I/O, TRACEPKT11	M6
1	970	I/O, TRACEPKT12	L6
1	971	I/O, TRACEPKT13	K6
1	972	I/O, TRACEPKT14	J6
1	973	I/O, TRACEPKT15	H6
	974	-	-

Pin Name	1,020-Pin FineLine BGA
MSEL0 (5)	J30
MSEL1 (5)	K30
NSTATUS (5)	AM14
NCONFIG (5)	R30
DCLK (5)	W3
CONF_DONE (5)	AM13
INIT_DONE (3)	D14
nCE (5)	AC3
nCEO (5)	D13
nWS (1)	C4
nRS (1)	D4
nCS (1)	D3
CS (1)	E3
RDYnBSY (1)	E14
CLKUSR (1)	A13
DATA7 (1)	B4
DATA6 (1)	A4
DATA5 (1)	D9
DATA4 (1)	C9
DATA3 (1)	B9
DATA2 (1)	A9
DATA1 (1)	D10
DATA0 (5), (6)	V3
TDI (5)	AD3
TDO (5)	E11
TCK (5)	AM19
TMS (5)	AM20
TRST (5)	C13
Dedicated Fast I/Os	E13, E12, AM18, AM15
CLK1p	N30
CLK2p	Y3
CLK3p	W30
CLK4p	P3
LOCK1 (9)	AC30
LOCK2 (9)	AK4
LOCK3 (9)	H30
LOCK4 (9)	AK5
CLKLK_ENA (5) (10)	P30
CLKLK_OUT1p (8)	AM29
CLKLK_OUT2p (8)	AH3
CLKLK_FB1p	AL28
CLKLK_FB2p	K3
DEV_CLRn (3)	H3
DEV_OE (3)	AE3
CLK_REF	A28
NRESET	B13
NPOR	B28
BOOT_FLASH	C10
DEBUG_EN	B10
JSELECT	C24
PROC_TDI	H27

Pin Name	1,020-Pin FineLine BGA
PROC_TD0	H26
PROC_TCK	D30
PROC_TMS	E29
PROC_TRST	E30
EN_SELECT (12)	H28
VCCINT	A2, A6, A11, A16, A22, A27, A31, AB1, AB2, AB31, AB32, AG1, AG2, AG31, AG32, AL1, AL6, AL11, AL17, AL22, AL27, AL32, AM2, AM6, AM11, AM17, AM22, AM27, AM31, B1, B6, B11, B16, B22, B27, B32, F1, F2, F31, F32, L1, L2, L31, L32, R15, R18, T16, T17, T30, T31, T32, U1, U2, U3, U16, U17, V15, V18
VCCIO1	A3, C5
VCCIO2	A7, A12, B7, B12, C17, C18, P15
VCCIO3	B21, C15, C16
VCCIO6	A21, A26, B26
VCCIO7	A30, C29
VCCIO8	C32, G31, G32, M31, M32
VCCIO9	AA31, AA32, AF31, AF32, AK32
VCCIO10	AL21, AL26, AM21, AM26, AM30
VCCIO11	AL7, AL12, AM3, AM7, AM12
VCCIO12	AA1, AA2, AF1, AF2, AK1
VCCIO13	C1, G1, G2, M1, M2
VCC_CKLK1 (2)	W24
VCC_CKLK2 (2)	Y9
VCC_CKLK3 (2)	M24
VCC_CKLK4 (2)	P9
VCC_CKLK5 (2)	J25
VCC_CKLK6 (2)	L25
VCC_CKOUT1 (7)	N24
VCC_CKOUT2 (7)	AA9
GND	A10, A17, AA3, AA4, AA29, AA30, AB3, AB4, AB29, AB30, AF3, AF4, AF29, AF30, AG3, AG4, AG29, AG30, AJ6, AJ7, AJ11, AJ12, AJ21, AJ22, AJ26, AJ27, AK2, AK3, AK6, AK7, AK11, AK12, AK21, AK22, AK26, AK27, AK30, AK31, AL2, AL3, AL16, AL30, AL31, AM16, B2, B3, B17, B30, B31, C2, C3, C6, C7, C11, C12, C21, C22, C26, C27, C30, C31, D6, D7, D11, D12, D21, D22, D26, D27, F3, F4, F29, F30, G3, G4, G29, G30, L3, L4, L29, L30, M3, M4, M29, M30, P14, P18, P19, R16, R17, T1, T2, T3, T15, T18, U15, U18, U30, U31, U32, V16, V17, W14, W19
GND_CKLK1 (2)	V24
GND_CKLK2 (2)	V9
GND_CKLK3 (2)	P24, P23
GND_CKLK4 (2)	T9
GND_CKLK5 (2)	K25
GND_CKLK6 (2)	M25
GND_CKOUT1 (7)	T24
GND_CKOUT2 (7)	W9

Pin Name	1,020-Pin FineLine BGA
No Connect (N.C.)	AA13, AA14, AA15, AA16, AA17, AA18, AA19, AA20, M10, M11, M12, M13, M14, M 15, M16, M17, M18, N14, N15, N16, N17, N18, P16, P17, R14, R19, T14, T19, T20, U13, U14, U19, U20, V13, V14, V19, V20, W13, W15, W16, W17, W18, W20, Y13, Y14, Y15, Y16, Y17, Y18, Y19, Y20
Total User I/O Pins (11)	711

Notes:

(1) This pin can be used as a user I/O pin after configuration.
(2) This pin is the power or ground for the ClockLock and ClockBoost circuitry. To ensure noise resistance, the power and ground supply to the ClockLock and ClockBoost circuitry should be isolated from the power and ground to the rest of the device. VCC_CKLK has the same voltage specifications as the VCCINT and should be connected to a 1.8 -V power supply. If the ClockLock or ClockBoost circuitry is not used, this power or ground pin should be connected to VCCINT or GNDINT, respectively.
(3) This pin can be used as a user I/O pin if it is not used for its device-wide or configuration function.
(4) This pin is the complementary signal for the LVDS pair on dedicated inputs and outputs that can be configured for the LVDS standard. If not used for the LVDS pair, these pins are regular I/O pins. Pins with the "n" suffix carry the negative signal for the LVDS channel. Pins with a "p" suffix carry the positive signal for the LVDS channel.
(5) This pin is a dedicated pin; it is not available as a user I/O pin.
(6) This pin is tri-stated in user mode.
(7) This pin is the power or ground for the external output of a PLL. These pins should be set to the VCCIO level/standard desired for the external clock ouput. To ensure noise resistance, the power and ground supply to the PLL external output should be isolated from the power and ground to the rest of the VCCIO and GNDIO pins. If the PLL or external output is not used, this power or ground pin should be connected to VCCIO or GNDIO, respectively.
(8) The CLKLK_OUT pin is powered by the VCC_CKOUT and GND_CKOUT pins.
(9) This pin shows the status of the ClockLock and ClockBoost circuitry. When the ClockLock and ClockBoost circuitry is locked to the incoming clock and generates an internal clock, LOCK is driven high. LOCK will go low if a periodic clock stops clocking the input to the PLL. The LOCK function is optional; if the LOCK output is not used, this pin is a user I/O pin.
(10) This pin is the active high enable pin for all of the PLL circuits in the device. When de-asserted, all PLLs are reset to their default, unlocked state and will stop clocking. Once re-asserted, the PLLs will lock again and start clocking. If this pin function is not needed, the pin should be connected to VCCINT.
(11) The user I/O pin count includes dedicated FAST I/Os and dedicated clock inputs. It does not include the dedicated clock feedback and output pins.
(12) This pin is reserved for future functionality and should be connected to GND for this device.