



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN174403

**Date:** November 05, 2017

**Subject:** Qualification of WXIC, China as an Additional Wafer Foundry Site for 65nm GL-S MirrorBit® Eclipse Flash Memory Products

**To:**

**Change Type:** Major

### **Description of Change:**

The qualification of Wuhan Xinxin Semiconductor Manufacturing Corporation (WXIC) in China as an additional wafer foundry site for the 65nm GL-S MirrorBit® Eclipse Flash Memory products was announced in 2012 (Advanced Change Notification # 2844 dated 18-Jan-2012). This notification covered all densities (128Mb, 256Mb, 512Mb, 1Gb) of the GL-S products but not all marketing part numbers (MPNs) were included. Cypress is now correcting the affected parts list by including all MPNs in the 65nm GL-S MirrorBit® Eclipse Flash Memory products.

Cypress is currently supply constrained and the addition of WXIC as a foundry for these parts allows Cypress to improve the overall availability of the product.

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from the Cypress Website ([www.cypress.com](http://www.cypress.com)).

### **Benefit of Change:**

This qualification is part of Cypress's continuous improvement in our flexible manufacturing initiative providing Cypress with the added capability to meet upside market demand, reduce business continuity risk, and ensure consistent and reliable delivery to customers in dynamic, changing market conditions.

### **Part Numbers Affected:** 402

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PIN will include all changes outlined in this PIN.

### **Qualification Status:**

The additional wafer foundry site has been qualified through a series of tests documented in the Qualification Summaries (002-21356, 002-21364, 002-02816, and 002-02823). These qualification summaries can be found as attachments to this PIN.

**Approximate Implementation Date:**

This change will be implemented effective with the date of this notification.

**Anticipated Impact:**

Products manufactured are completely compatible with existing product from a functional, parametric, and quality performance perspective.

Cypress also recommends that customers take this opportunity to review these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

**Method of Identification:**

Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

**Response Required:**

This is an information only announcement. No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at [pcn\\_adm@cypress.com](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

<b>Item</b>	<b>Marketing Part Number</b>	<b>Base MPN (For Custom MPNs)</b>
1	S29GL01GS10DHA013	NA
2	S29GL01GS10DHA020	NA
3	S29GL01GS10DHA023	NA
4	S29GL01GS10DHI013	NA
5	S29GL01GS10DHSS10	NA
6	S29GL01GS10DHSS13	NA
7	S29GL01GS10DHSS23	NA
8	S29GL01GS10DHSS30	NA
9	S29GL01GS10DHSS33	NA
10	S29GL01GS10DHSS40	NA
11	S29GL01GS10DHSS43	NA
12	S29GL01GS10FAI010	NA
13	S29GL01GS10FAI013	NA
14	S29GL01GS10FAI020	NA
15	S29GL01GS10FAI023	NA
16	S29GL01GS10FHI013	NA
17	S29GL01GS10FHI023	NA
18	S29GL01GS10FHSS13	NA
19	S29GL01GS10FHSS23	NA
20	S29GL01GS10FHSS30	NA
21	S29GL01GS10FHSS33	NA
22	S29GL01GS10FHSS40	NA
23	S29GL01GS10FHSS43	NA
24	S29GL01GS10SFI020	NA
25	S29GL01GS10TFA010	NA
26	S29GL01GS10TFA020	NA
27	S29GL01GS10TFA023	NA
28	S29GL01GS10TFI013	NA
29	S29GL01GS10TFI023	NA
30	S29GL01GS11DHAV20	NA
31	S29GL01GS11DHAV23	NA
32	S29GL01GS11DHB010	NA
33	S29GL01GS11DHB013	NA
34	S29GL01GS11DHB020	NA
35	S29GL01GS11DHIV13	NA
36	S29GL01GS11DHV010	NA
37	S29GL01GS11DHV013	NA
38	S29GL01GS11DHV020	NA
39	S29GL01GS11DHV023	NA
40	S29GL01GS11FAIV10	NA
41	S29GL01GS11FAIV13	NA
42	S29GL01GS11FAIV20	NA
43	S29GL01GS11FAIV23	NA
44	S29GL01GS11FHB020	NA
45	S29GL01GS11FHB023	NA
46	S29GL01GS11FHI020	NA
47	S29GL01GS11FHIV13	NA
48	S29GL01GS11FHIV20	NA
49	S29GL01GS11FHIV23	NA
50	S29GL01GS11FHSS50	NA

51	S29GL01GS11FHSS53	NA
52	S29GL01GS11FHSS60	NA
53	S29GL01GS11FHSS63	NA
54	S29GL01GS11FHV023	NA
55	S29GL01GS11TFA010	NA
56	S29GL01GS11TFB010	NA
57	S29GL01GS11TFB020	NA
58	S29GL01GS11TFB023	NA
59	S29GL01GS11TFIV13	NA
60	S29GL01GS11TFIV23	NA
61	S29GL01GS11TFV010	NA
62	S29GL01GS11TFV013	NA
63	S29GL01GS11TFV023	NA
64	S29GL01GS11WEI019	NA
65	S29GL01GS11WEI029	NA
66	S29GL01GS12DHVV10	NA
67	S29GL01GS12DHVV13	NA
68	S29GL01GS12FHIV13	NA
69	S29GL01GS12TFVV20	NA
70	S29GL128S10DHB010	NA
71	S29GL128S10DHB023	NA
72	S29GL128S10DHI013	NA
73	S29GL128S10DHI023	NA
74	S29GL128S10DHIV13	NA
75	S29GL128S10DHIV23	NA
76	S29GL128S10DHV010	NA
77	S29GL128S10DHV013	NA
78	S29GL128S10DHV020	NA
79	S29GL128S10DHV023	NA
80	S29GL128S10FAIV10	NA
81	S29GL128S10FAIV13	NA
82	S29GL128S10FAIV20	NA
83	S29GL128S10FAIV23	NA
84	S29GL128S10FHB010	NA
85	S29GL128S10FHB013	NA
86	S29GL128S10FHI010	NA
87	S29GL128S10FHI020	NA
88	S29GL128S10FHIV10	NA
89	S29GL128S10FHIV13	NA
90	S29GL128S10FHIV20	NA
91	S29GL128S10FHIV23	NA
92	S29GL128S10FHSS10	NA
93	S29GL128S10GHIV20	NA
94	S29GL128S10TFB010	NA
95	S29GL128S10TFB013	NA
96	S29GL128S10TFB020	NA
97	S29GL128S10TFI023	NA
98	S29GL128S10TFIV13	NA
99	S29GL128S10TFIV23	NA
100	S29GL128S10TFV013	NA
101	S29GL128S10TFV020	NA

102	S29GL128S10TFV023	NA
103	S29GL128S10WEI019	NA
104	S29GL128S11DHV023	NA
105	S29GL128S11TFVV20	NA
106	S29GL128S90DHA010	NA
107	S29GL128S90DHA013	NA
108	S29GL128S90DHA023	NA
109	S29GL128S90DHI013	NA
110	S29GL128S90DHI023	NA
111	S29GL128S90DHSS13	NA
112	S29GL128S90DHSS23	NA
113	S29GL128S90DHSS30	NA
114	S29GL128S90DHSS33	NA
115	S29GL128S90DHSS40	NA
116	S29GL128S90DHSS43	NA
117	S29GL128S90FAI010	NA
118	S29GL128S90FAI013	NA
119	S29GL128S90FAI020	NA
120	S29GL128S90FAI023	NA
121	S29GL128S90FHI023	NA
122	S29GL128S90FHSS13	NA
123	S29GL128S90FHSS23	NA
124	S29GL128S90FHSS30	NA
125	S29GL128S90FHSS33	NA
126	S29GL128S90FHSS40	NA
127	S29GL128S90FHSS43	NA
128	S29GL128S90FHSS50	NA
129	S29GL128S90FHSS53	NA
130	S29GL128S90FHSS60	NA
131	S29GL128S90FHSS63	NA
132	S29GL128S90GHI020	NA
133	S29GL128S90TFA010	NA
134	S29GL128S90TFA023	NA
135	S29GL128S90TFI013	NA
136	S29GL128S90TFI023	NA
137	S29GL256S10DHAV10	NA
138	S29GL256S10DHAV23	NA
139	S29GL256S10DHB020	NA
140	S29GL256S10DHB023	NA
141	S29GL256S10DHI013	NA
142	S29GL256S10DHI023	NA
143	S29GL256S10DHIV13	NA
144	S29GL256S10DHIV23	NA
145	S29GL256S10DHSS50	NA
146	S29GL256S10DHSS53	NA
147	S29GL256S10DHSS60	NA
148	S29GL256S10DHV010	NA
149	S29GL256S10DHV013	NA
150	S29GL256S10DHV020	NA
151	S29GL256S10DHV023	NA
152	S29GL256S10FAIV10	NA

153	S29GL256S10FAIV13	NA
154	S29GL256S10FAIV20	NA
155	S29GL256S10FAIV23	NA
156	S29GL256S10FHIV10	NA
157	S29GL256S10FHIV20	NA
158	S29GL256S10GHIV20	NA
159	S29GL256S10TFA023	NA
160	S29GL256S10TFB010	NA
161	S29GL256S10TFB013	NA
162	S29GL256S10TFB023	NA
163	S29GL256S10TFIV23	NA
164	S29GL256S10TFV010	NA
165	S29GL256S10TFV013	NA
166	S29GL256S10TFV020	NA
167	S29GL256S10TFV023	NA
168	S29GL256S10WEI019	NA
169	S29GL256S10WEI029	NA
170	S29GL256S11DHIV23	NA
171	S29GL256S11DHVV20	NA
172	S29GL256S11DHVV23	NA
173	S29GL256S11FHIV10	NA
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178	S29GL256S11TFV023	NA
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181	S29GL256S90DHI013	NA
182	S29GL256S90DHSS13	NA
183	S29GL256S90DHSS23	NA
184	S29GL256S90DHSS30	NA
185	S29GL256S90DHSS33	NA
186	S29GL256S90DHSS40	NA
187	S29GL256S90DHSS43	NA
188	S29GL256S90DHSS50	NA
189	S29GL256S90FAI010	NA
190	S29GL256S90FAI013	NA
191	S29GL256S90FAI023	NA
192	S29GL256S90FHI023	NA
193	S29GL256S90FHSS13	NA
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195	S29GL256S90FHSS30	NA
196	S29GL256S90FHSS33	NA
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198	S29GL256S90FHSS43	NA
199	S29GL256S90FHSS63	NA
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201	S29GL256S90GHI010	NA
202	S29GL256S90GHI020	NA
203	S29GL256S90TFA010	NA

204	S29GL256S90TFA020	NA
205	S29GL256S90TFA023	NA
206	S29GL256S90TFI013	NA
207	S29GL256S90TFI023	NA
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209	S29GL512S10DHI013	NA
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250	S29GL512S11DHV010	NA
251	S29GL512S11DHV013	NA
252	S29GL512S11DHV023	NA
253	S29GL512S11FAIV10	NA
254	S29GL512S11FAIV13	NA

255	S29GL512S11FAIV20	NA
256	S29GL512S11FAIV23	NA
257	S29GL512S11FHB020	NA
258	S29GL512S11FHB023	NA
259	S29GL512S11FHI020	NA
260	S29GL512S11FHIV13	NA
261	S29GL512S11FHIV20	NA
262	S29GL512S11FHIV23	NA
263	S29GL512S11GHB020	NA
264	S29GL512S11GHI020	NA
265	S29GL512S11GHI023	NA
266	S29GL512S11GHIV20	NA
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273	S29GL512S11TFIV23	NA
274	S29GL512S11TFV010	NA
275	S29GL512S11TFV013	NA
276	S29GL512S11TFV023	NA
277	S29GL512S11WEIV19	NA
278	S29GL512S12DHBV10	NA
279	S29GL512S12TFBV10	NA
280	S29GL512S12TFBV20	NA
281	S29GL512S12TFVV20	NA
282	S70GL02GS11FHA010	NA
283	S70GL02GS11FHA013	NA
284	S70GL02GS11FHI013	NA
285	S70GL02GS11FHI023	NA
286	S70GL02GS11FHSS50	NA
287	S70GL02GS11FHSS60	NA
288	S70GL02GS11FHV020	NA
289	S70GL02GS11FHV023	NA
290	S70GL02GS12FHB010	NA
291	S70GL02GS12FHB020	NA
292	S70GL02GS12FHBV20	NA
293	S70GL02GS12FHBV23	NA
294	S70GL02GS12FHIV13	NA
295	S70GL02GS12FHIV23	NA
296	S70GL02GS12FHVV20	NA
297	S70GL02GS12FHVV23	NA
298	S99-50265	S29GL256S10WEI029
299	S99-50268	S29GL256S90DHSS80
300	S99-50269	S29GL512S10DHSS80
301	S99-50271	S29GL128S90TFI020
302	S99-50272	S29GL256S90TFI020
303	S99-50273	S29GL01GS10DHI023
304	S99-50274	S29GL01GS10TFI010
305	S99-50291	S29GL256S90DHSS70



306	S99-50291-T	S29GL256S90DHSS73
307	S99-50292	S29GL512S10DHSS70
308	S99-50292-T	S29GL512S10DHSS73
309	S99-50294	S70GL02GS11FHSS70
310	S99-50298	S29GL128S10WEI029
311	S99-50299	S29GL256S10WEI029
312	S99-50300	S29GL01GS11WEI029
313	S99-50335	S29GL512S11WEI029
314	S99-50338	S29GL512S10TFI020
315	S99-50344	S70GL02GS11FHI010
316	S99-50356	S29GL256S11FHIV10
317	S99-50359	S29GL512S11FHIV10
318	S99-50360	S29GL01GS10TFI010
319	S99-50399	S29GL256S90TFI020
320	S99-50411	S29GL512S10SFI020
321	S99-50457	S29GL256S10TFI010
322	S99-50471	S29GL01GS10TFI010
323	S99-50473	S29GL128S90TFI010
324	S99-50559	S29GL512S10GHI020
325	S99GL01GS0010	S29GL01GS10TFI010
326	S99GL01GS0020	S29GL01GS10TFI020
327	S99GL01GS0030	S29GL01GS10DHI010
328	S99GL01GS0050	S29GL01GS10TFI020
329	S99GL01GS0060	S29GL01GS10TFI020
330	S99GL01GS11FHIV20	S29GL01GS11FHIV20
331	S99GL01GS11TFI010	S29GL01GS11TFI010
332	S99GL128S0010	S29GL128S90TFA020
333	S99GL128S0020	S29GL128S90TFI010
334	S99GL128S0030	S29GL128S90TFI020
335	S99GL128S0043	S29GL128S90TFI023
336	S99GL128S0050	S29GL128S90DHI010
337	S99GL128S0060	S29GL128S90DHI020
338	S99GL128S0090	S29GL128S10FHI020
339	S99GL128S0100	S29GL128S90TFI020
340	S99GL128S90DHI010	S29GL128S90DHI010
341	S99GL128S90TFI010	S29GL128S90TFI010
342	S99GL128S90TFI020	S29GL128S90TFI020
343	S99GL256S0010	S29GL256S90TFI010
344	S99GL256S0020	S29GL256S90TFI020
345	S99GL256S0030	S29GL256S90DHI010
346	S99GL256S0040	S29GL256S90DHI020
347	S99GL256S0070	S29GL256S10TFIV10
348	S99GL256S0100	S29GL256S90TFI020
349	S99GL256S0140	S29GL256S90GHI020
350	S99GL256S0150	S29GL256S10GHIV20
351	S99GL512S0010	S29GL512S10TFI010
352	S99GL512S0020	S29GL512S10TFI020
353	S99GL512S0030	S29GL512S11TFV020
354	S99GL512S0040	S29GL512S10DHI010
355	S99GL512S0050	S29GL512S10DHI020
356	S99GL512S0070	S29GL512S11TFIV20

357	S99GL512S0110	S29GL512S10TFI020
358	S99GL512S0120	S29GL512S11DHIV10
359	S99GL512S0180	S29GL512S10TFI010
360	S99GL512S10TFI010	S29GL512S10TFI010
361	S99GL512S11DHA020	S29GL512S11DHA020
362	S99GL512S11TFIV20	S29GL512S11TFIV20
363	40060325	S29GL256S10TFIV10
364	40060327	S29GL512S11TFIV20
365	40060423	S29GL01GS10TFI010
366	40060424	S29GL01GS10TFI010
367	40060425	S29GL512S11TFI020
368	40060426	S29GL512S11TFI020
369	40060427	S29GL256S10TFI010
370	40060428	S29GL256S10TFI010
371	40060430	S29GL128S10TFI010
372	40060431	S29GL128S10TFI010
373	40060493	S29GL01GS12TFIV10
374	40060542	S29GL128S10TFIV10
375	16-3636-01-P	S29GL128S90TFI020
376	16-4072-01A	S29GL128S10TFIV20
377	16-4072-01A-T	S29GL128S10TFIV23
378	16-4186-01	S29GL256S11FHIV10
379	16-4369-01	S29GL01GS11TFIV10
380	16-4369-01-T	S29GL01GS11TFIV13
381	580970-002-00	S29GL01GS11DHI020
382	584271-001-00	S29GL512S11DHI020
383	584271-003-00	S29GL256S10TFI010
384	586228-001-00	S70GL02GS11FHI010
385	588127-001-00	S29GL128S10TFI020
386	IS29GL01GS-11TFIV2	S29GL01GS11TFIV20
387	IS29GL01GS-11TFIV2-TR	S29GL01GS11TFIV23
388	IS29GL128S-90DHI02	S29GL128S90DHI020
389	IS29GL128S-90DHI02-TR	S29GL128S90DHI023
390	IS29GL256S-10DHB02-TR	S29GL256S10DHB023
391	IS29GL256S-10FHIV2	S29GL256S10FHIV20
392	IS29GL256S-10FHIV2-TR	S29GL256S10FHIV20
393	IS29GL256S-10TFV01	S29GL256S10TFV010
394	IS29GL256S-10TFV01-TR	S29GL256S10TFV013
395	IS29GL256S-90DHI02	S29GL256S90DHI020
396	IS29GL256S-90DHI02-TR	S29GL256S90DHI023
397	IS29GL256S-90TFI01	S29GL256S90TFI010
398	IS29GL256S-90TFI01-TR	S29GL256S90TFI013
399	IS29GL512S-11DHIV2	S29GL512S11DHIV20
400	IS29GL512S-11DHIV2-TR	S29GL512S11DHIV23
401	IS29GL512S-11TFV01	S29GL512S11TFV010
402	IS29GL512S-11TFV01-TR	S29GL512S11TFV013