



Cypress Semiconductor Corporation – an Infineon Technologies Company
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PRODUCT INFORMATION NOTIFICATION

PIN: PIN210903

Date: March 09, 2021

Subject: Datasheet Change to Voltage Ramp Rate for Automotive TrueTouch® Multi-Touch All-Points Products

To: FUTURE ELECTRONICS
 FUTURE ELE
 pcn.system2@future.ca

Product Information:

This notification is to clarify the voltage ramp rate requirements in the datasheets of Automotive TrueTouch® Multi-Touch All-Points products. The clarified voltage ramp down requirement prevents flash issues that can occur, under rare conditions, with slow voltage ramps.

Product	Document Number	Table	Symbol	Description From	Description To
CYAT8168X (61, 71, 77, 88 I/Os)	001-97033	10	PSD _{RAMP}	V _{DDD} ramp rate from ground to minimum voltage	V _{DDD} ramp rate, both from ground to minimum voltage and from minimum voltage to ground
CYAT8165X/7165X (41/48 I/Os)	002-10076	9			
CYAT817X (61, 72, 77, 88, 103 I/Os)	002-18788	11			
CYAT6165X (41/48 I/Os)	002-19012	8			
CYAT837X/847X (Multi-chip) (61, 72, 77, 88, 98 I/Os)	002-26635	11			

Part Numbers Affected: 249

See the attached 'Affected Parts List' file for a list of part numbers affected by this change.

Implementation Date:

The datasheets have been updated for the affected products. The datasheets are confidential and only available to customers under Non-Disclosure Agreement (NDA) or other confidentiality obligation. Please contact your local Sales Account Manager or FAE for a copy of the revised datasheet.

Anticipated Impact:

There is no change to the product. Products manufactured with revised datasheet parameters are completely compatible with existing product from form, fit, functional, parametric, and quality performance perspectives.

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

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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Family	Document Number
1	00002970759	AUTOPSOC	001-97033
2	00003351203	AUTOPSOC	001-97033
3	00003506312	AUTOPSOC	002-10076
4	3140 390 61601	AUTOPSOC	001-97033
5	3140 390 61611	AUTOPSOC	001-97033
6	3140 390 61621	AUTOPSOC	002-10076
7	51-33362Z01-A	AUTOPSOC	001-97033
8	6116B0001H000	AUTOPSOC	001-97033
9	6116B0001Z000	AUTOPSOC	002-18788
10	6116B00021000	AUTOPSOC	002-18788
11	794.492-00	AUTOPSOC	002-10076
12	8928920132	AUTOPSOC	001-97033
13	90500000178A	AUTOPSOC	001-97033
14	90500000426A	AUTOPSOC	002-10076
15	05529-490/0000	AUTOPSOC	002-10076
16	P710247D-FDC000	AUTOPSOC	001-97033
17	P710247DFDC000	AUTOPSOC	001-97033
18	51-38306Z01-A	AUTOPSOC	001-97033
19	51-38307Z01-A	AUTOPSOC	001-97033
20	841000037005	AUTOPSOC	002-10076
21	90500000526A	AUTOPSOC	002-18788
22	90500000389A	AUTOPSOC	001-97033
23	90500000289A	AUTOPSOC	001-97033
24	90500000520A	AUTOPSOC	001-97033
25	051-6134-03	AUTOPSOC	001-97033
26	051-6134-02	AUTOPSOC	001-97033
27	51-39810Z01-A	AUTOPSOC	002-19012
28	51-33362Z09-A	AUTOPSOC	001-97033
29	CYAT61652-64AA48	AUTOPSOC	002-19012
30	CYAT61652-64AA48T	AUTOPSOC	002-19012
31	CYAT61652-64AS48	AUTOPSOC	002-19012
32	CYAT61652-64AS48T	AUTOPSOC	002-19012
33	CYAT61658-64AA48	AUTOPSOC	002-19012
34	CYAT61658-64AA48T	AUTOPSOC	002-19012
35	CYAT61658-64AS48	AUTOPSOC	002-19012
36	CYAT61658-64AS48T	AUTOPSOC	002-19012
37	CYAT61659-56LWS41	AUTOPSOC	002-19012
38	CYAT61659-64AA48	AUTOPSOC	002-19012
39	CYAT61659-64AA48T	AUTOPSOC	002-19012
40	CYAT61659-64AS48	AUTOPSOC	002-19012
41	CYAT61659-64AS48T	AUTOPSOC	002-19012
42	CYAT71658-56LWA41	AUTOPSOC	002-10076
43	CYAT71658-56LWA41T	AUTOPSOC	002-10076
44	CYAT71658-56LWS41	AUTOPSOC	002-10076
45	CYAT71658-56LWS41T	AUTOPSOC	002-10076
46	CYAT81650-100AA48	AUTOPSOC	002-10076
47	CYAT81650-100AA48T	AUTOPSOC	002-10076
48	CYAT81650-100AS48	AUTOPSOC	002-10076
49	CYAT81650-100AS48T	AUTOPSOC	002-10076
50	CYAT81650-64AA48	AUTOPSOC	002-10076

51	CYAT81650-64AA48T	AUTOPSOC	002-10076
52	CYAT81650-64AS48	AUTOPSOC	002-10076
53	CYAT81650-64AS48T	AUTOPSOC	002-10076
54	CYAT81652-100AA48	AUTOPSOC	002-10076
55	CYAT81652-100AA48T	AUTOPSOC	002-10076
56	CYAT81652-100AS48	AUTOPSOC	002-10076
57	CYAT81652-100AS48T	AUTOPSOC	002-10076
58	CYAT81652-64AA48	AUTOPSOC	002-10076
59	CYAT81652-64AA48T	AUTOPSOC	002-10076
60	CYAT81652-64AS48	AUTOPSOC	002-10076
61	CYAT81652-64AS48T	AUTOPSOC	002-10076
62	CYAT81655-100AA48	AUTOPSOC	002-10076
63	CYAT81655-100AA48T	AUTOPSOC	002-10076
64	CYAT81655-100AS48	AUTOPSOC	002-10076
65	CYAT81655-100AS48T	AUTOPSOC	002-10076
66	CYAT81655-64AA48	AUTOPSOC	002-10076
67	CYAT81655-64AA48T	AUTOPSOC	002-10076
68	CYAT81655-64AS48	AUTOPSOC	002-10076
69	CYAT81655-64AS48T	AUTOPSOC	002-10076
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71	CYAT81658-100AA48T	AUTOPSOC	002-10076
72	CYAT81658-100AS48	AUTOPSOC	002-10076
73	CYAT81658-100AS48T	AUTOPSOC	002-10076
74	CYAT81658-64AA48	AUTOPSOC	002-10076
75	CYAT81658-64AA48T	AUTOPSOC	002-10076
76	CYAT81658-64AS48	AUTOPSOC	002-10076
77	CYAT81658-64AS48T	AUTOPSOC	002-10076
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79	CYAT81659-100AA48T	AUTOPSOC	002-10076
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81	CYAT81659-100AS48T	AUTOPSOC	002-10076
82	CYAT81659-64AA48	AUTOPSOC	002-10076
83	CYAT81659-64AA48T	AUTOPSOC	002-10076
84	CYAT81659-64AS48	AUTOPSOC	002-10076
85	CYAT81659-64AS48T	AUTOPSOC	002-10076
86	CYAT81682-100AA61	AUTOPSOC	001-97033
87	CYAT81682-100AA61Z	AUTOPSOC	001-97033
88	CYAT81682-100AA61ZT	AUTOPSOC	001-97033
89	CYAT81682-100AA71	AUTOPSOC	001-97033
90	CYAT81682-100AA71Z	AUTOPSOC	001-97033
91	CYAT81682-100AA77	AUTOPSOC	001-97033
92	CYAT81682-100AA77Z	AUTOPSOC	001-97033
93	CYAT81682-100AS61	AUTOPSOC	001-97033
94	CYAT81682-100AS61Z	AUTOPSOC	001-97033
95	CYAT81682-100AS61ZT	AUTOPSOC	001-97033
96	CYAT81682-100AS71	AUTOPSOC	001-97033
97	CYAT81682-100AS71Z	AUTOPSOC	001-97033
98	CYAT81682-100AS77	AUTOPSOC	001-97033
99	CYAT81682-100AS77Z	AUTOPSOC	001-97033
100	CYAT81682-128AA88	AUTOPSOC	001-97033
101	CYAT81682-128AA88Z	AUTOPSOC	001-97033

102	CYAT81682-128AS88	AUTOPSOC	001-97033
103	CYAT81682-128AS88Z	AUTOPSOC	001-97033
104	CYAT81685-100AA61	AUTOPSOC	001-97033
105	CYAT81685-100AA61Z	AUTOPSOC	001-97033
106	CYAT81685-100AA71	AUTOPSOC	001-97033
107	CYAT81685-100AA71Z	AUTOPSOC	001-97033
108	CYAT81685-100AA77	AUTOPSOC	001-97033
109	CYAT81685-100AA77Z	AUTOPSOC	001-97033
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111	CYAT81685-100AS61Z	AUTOPSOC	001-97033
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113	CYAT81685-100AS71Z	AUTOPSOC	001-97033
114	CYAT81685-100AS77	AUTOPSOC	001-97033
115	CYAT81685-100AS77Z	AUTOPSOC	001-97033
116	CYAT81685-128AA88	AUTOPSOC	001-97033
117	CYAT81685-128AA88Z	AUTOPSOC	001-97033
118	CYAT81685-128AS88	AUTOPSOC	001-97033
119	CYAT81685-128AS88Z	AUTOPSOC	001-97033
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123	CYAT81688-100AA61ZT	AUTOPSOC	001-97033
124	CYAT81688-100AA71	AUTOPSOC	001-97033
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129	CYAT81688-100AS61	AUTOPSOC	001-97033
130	CYAT81688-100AS61T	AUTOPSOC	001-97033
131	CYAT81688-100AS61Z	AUTOPSOC	001-97033
132	CYAT81688-100AS61ZT	AUTOPSOC	001-97033
133	CYAT81688-100AS71	AUTOPSOC	001-97033
134	CYAT81688-100AS71T	AUTOPSOC	001-97033
135	CYAT81688-100AS71Z	AUTOPSOC	001-97033
136	CYAT81688-100AS77	AUTOPSOC	001-97033
137	CYAT81688-100AS77Z	AUTOPSOC	001-97033
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139	CYAT81688-128AA88Z	AUTOPSOC	001-97033
140	CYAT81688-128AS88	AUTOPSOC	001-97033
141	CYAT81688-128AS88Z	AUTOPSOC	001-97033
142	CYAT81689-100AA77Z	AUTOPSOC	001-97033
143	CYAT81689-100AS61Z	AUTOPSOC	001-97033
144	CYAT81689-100AS77Z	AUTOPSOC	001-97033
145	CYAT817AZA72-3BFBA	AUTOPSOC	002-18788
146	CYAT817AZA77-5BFBA	AUTOPSOC	002-18788
147	CYAT817AZA88-42002	AUTOPSOC	002-18788
148	CYAT817AZA88-53002	AUTOPSOC	002-18788
149	CYAT817AZA88-5B002	AUTOPSOC	002-18788
150	CYAT817AZA88-5B202	AUTOPSOC	002-18788
151	CYAT817AZA88-5BFBA	AUTOPSOC	002-18788
152	CYAT817AZA98-42002	AUTOPSOC	002-18788

153	CYAT817AZA98-53002	AUTOPSOC	002-18788
154	CYAT817AZA98-5B002	AUTOPSOC	002-18788
155	CYAT817AZA98-5B202	AUTOPSOC	002-18788
156	CYAT817AZA98-5BFBA	AUTOPSOC	002-18788
157	CYAT817AZS61-22002	AUTOPSOC	002-18788
158	CYAT817AZS61-3A002	AUTOPSOC	002-18788
159	CYAT817AZS61-3A202	AUTOPSOC	002-18788
160	CYAT817AZS72-22002	AUTOPSOC	002-18788
161	CYAT817AZS72-32002	AUTOPSOC	002-18788
162	CYAT817AZS72-33002	AUTOPSOC	002-18788
163	CYAT817AZS72-3B002	AUTOPSOC	002-18788
164	CYAT817AZS72-3B202	AUTOPSOC	002-18788
165	CYAT817AZS72-3BFBA	AUTOPSOC	002-18788
166	CYAT817AZS77-42002	AUTOPSOC	002-18788
167	CYAT817AZS77-520DA	AUTOPSOC	002-18788
168	CYAT817AZS77-53C02	AUTOPSOC	002-18788
169	CYAT817AZS77-5A002	AUTOPSOC	002-18788
170	CYAT817AZS77-5A202	AUTOPSOC	002-18788
171	CYAT817AZS77-5BFBA	AUTOPSOC	002-18788
172	CYAT817AZS88-42002	AUTOPSOC	002-18788
173	CYAT817AZS88-52002	AUTOPSOC	002-18788
174	CYAT817AZS88-5BFBA	AUTOPSOC	002-18788
175	CYAT817AZS98-42002	AUTOPSOC	002-18788
176	CYAT817AZS98-523DA	AUTOPSOC	002-18788
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178	CYAT817AZS98-5BFFE	AUTOPSOC	002-18788
179	CYAT837AZA77-42002	AUTOPSOC	002-26635
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181	CYAT837AZA98-42002	AUTOPSOC	002-26635
182	CYAT837AZS77-42002	AUTOPSOC	002-26635
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185	CYAT847AZA61-22002	AUTOPSOC	002-26635
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187	CYAT847AZA77-42002	AUTOPSOC	002-26635
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189	CYAT847AZA98-42002	AUTOPSOC	002-26635
190	CYAT847AZS61-22002	AUTOPSOC	002-26635
191	CYAT847AZS72-22002	AUTOPSOC	002-26635
192	CYAT847AZS77-42002	AUTOPSOC	002-26635
193	CYAT847AZS88-42002	AUTOPSOC	002-26635
194	CYAT847AZS98-42002	AUTOPSOC	002-26635
195	CP10005AT	AUTOPSOC	001-97033
196	CP8689AT	AUTOPSOC	001-97033
197	CP8689BT	AUTOPSOC	001-97033
198	CP8739AT	AUTOPSOC	001-97033
199	CP8749AT	AUTOPSOC	001-97033
200	CP8749ATT	AUTOPSOC	001-97033
201	CP8749CT	AUTOPSOC	001-97033
202	CP8749CTT	AUTOPSOC	001-97033
203	CP8766AT	AUTOPSOC	001-97033

204	CP8766ATT	AUTOPSOC	001-97033
205	CP8766CT	AUTOPSOC	001-97033
206	CP8766CTT	AUTOPSOC	001-97033
207	CP8791AT	AUTOPSOC	001-97033
208	CP8791BT	AUTOPSOC	001-97033
209	CP8816AT	AUTOPSOC	001-97033
210	CP8817AT	AUTOPSOC	001-97033
211	CP8817CT	AUTOPSOC	001-97033
212	CP8817CTT	AUTOPSOC	001-97033
213	CP8817DT	AUTOPSOC	001-97033
214	CP8818CT	AUTOPSOC	001-97033
215	CP8818AT	AUTOPSOC	001-97033
216	CP8818CTT	AUTOPSOC	001-97033
217	CP8818DT	AUTOPSOC	001-97033
218	CP8899AT	AUTOPSOC	001-97033
219	CP8899ATT	AUTOPSOC	001-97033
220	CP8903AT	AUTOPSOC	001-97033
221	CP8903BT	AUTOPSOC	001-97033
222	CP8903CT	AUTOPSOC	001-97033
223	CP8904AT	AUTOPSOC	001-97033
224	CP8906AT	AUTOPSOC	001-97033
225	CP8909AT	AUTOPSOC	002-19012
226	CP8914ATT	AUTOPSOC	002-10076
227	CP8922AT	AUTOPSOC	001-97033
228	CP8922BT	AUTOPSOC	001-97033
229	CP8922CT	AUTOPSOC	001-97033
230	CP8938AT	AUTOPSOC	002-18788
231	CP9053AT	AUTOPSOC	001-97033
232	CP9123AT	AUTOPSOC	001-97033
233	CP9181AT	AUTOPSOC	002-18788
234	CP9182AT	AUTOPSOC	002-19012
235	CP9185AT	AUTOPSOC	001-97033
236	CP9188AT	AUTOPSOC	001-97033
237	CP9193AT	AUTOPSOC	001-97033
238	EAN65646401	AUTOPSOC	001-97033
239	EAN65767901	AUTOPSOC	002-10076
240	EUFZ0329-CY	AUTOPSOC	002-10076
241	M1001-000149	AUTOPSOC	002-10076
242	M1001-000152	AUTOPSOC	002-19012
243	P7102050-FAC000	AUTOPSOC	002-10076
244	P7102050FAC000	AUTOPSOC	002-10076
245	P710205D-FAC000	AUTOPSOC	002-10076
246	P710205DFAC000	AUTOPSOC	002-10076
247	P7102060FAC000	AUTOPSOC	001-97033
248	P710229D-FA0000	AUTOPSOC	002-10076
249	P710229DFA0000	AUTOPSOC	002-10076