



Cypress Semiconductor Corporation – An Infineon Technologies Company  
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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN204904

**Date:** December 06, 2020

**Subject:** Qualification of UBOT Tray for 100-Lead TQFP 14x14x1.4mm Products at ASE-KH Finish Site

**To:**

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of UBOT tray to be used for 100-Lead TQFP 14x14x1.4mm Packages Finish processed at Advanced Semiconductor Engineering-Kaohsiung, Taiwan (ASE-KH). This tray qualified and currently in use by Cypress Manufacturing Limited, Philippines (CML).

This tray is compatible to industry standard as this tray is aligned to JEDEC requirements.

Items	Existing	New
Manufacturer	DAEWON	UBOT
Supplier Part Number	123-1414-211	UQ14141.40615XA
Tray Color	Black	Black
Temperature Rating	150°C	150°C
Number of Pockets / Units per Tray	90	90
Tray Length	315.0 ± 0.25 mm	315.0 ± 0.25 mm
Tray Width	135.9 ± 0.25 mm	135.9 ± 0.25 mm
Tray Stacking Height	6.35 ± 0.13 mm	6.35 ± 0.13 mm
1 <sup>st</sup> Pocket X-Position	15.40 ± 0.13 mm	15.40 ± 0.13 mm
1 <sup>st</sup> Pocket Y-Position	15.45 ± 0.13 mm	15.45 ± 0.13 mm
Pocket X-Pitch	20.30 ± 0.13 mm	20.30 ± 0.13 mm
Pocket Y-Pitch	21.00 ± 0.13 mm	21.00 ± 0.13 mm
Top Pocket Length	16.38 ± 0.13 mm	16.60 ± 0.13 mm
Top Pocket Width	16.38 ± 0.13 mm	16.60 ± 0.13 mm
Pocket Depth	2.25 ± 0.13 mm	2.60 ± 0.13 mm

### Benefit of Change:

The qualification of the UBOT tray for 100-Lead TQFP 14x14x1.4mm at ASE-KH Finish site will align ASE-KH to CML and standardize the tray for this package.

**Part Numbers Affected: 91**

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 PCN will include all changes outlined in this PCN.

**Qualification Status:**

This change has been qualified through a series of tests documented in the Qualification Test Plan QTP#202602. This qualification report can be found as an attachment to this PCN or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

**Sample Status:**

Qualification samples may not be built ahead of time for all part numbers affected by this change. Please review the attached 'Affected Parts List' file for a list of affected part numbers with their associated ASE-KH sample ordering part numbers. Samples are available now unless there is an indication that the sample ordering part numbers are subject to lead times. If you require qualification samples, please contact your local Cypress sales representative as soon as possible, preferably within 30 days of the date of this PCN, to place any sample orders.

**Approximate Implementation Date:**

Effective 90 days from the date of this notification or upon customer approval, whichever comes first, all shipments of Commercial, Industrial and Automotive non-PPAP part numbers in the attached file from ASE-KH will use UBOT trays.

For Automotive PPAP part numbers this change will be effective upon customer approval.

**Anticipated Impact:**

Products assembled with the UBOT tray are completely compatible with existing products from form, fit, functional, parametric and quality performance perspectives.

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:**

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

Item	Marketing Part Number	Family
1	3140 390 61621	AUTOPSOC
2	CY8C3244AXI-146	PSOC
3	CY8C3244AXI-153	PSOC
4	CY8C3244AXI-159	PSOC
5	CY8C3245AXI-158	PSOC
6	CY8C3245AXI-166	PSOC
7	CY8C3245AXI2-158	PSOC
8	CY8C3246AXI-131	PSOC
9	CY8C3246AXI-138	PSOC
10	CY8C3246AXI2-131	PSOC
11	CY8C3445AXI-104	PSOC
12	CY8C3445AXI2-104	PSOC
13	CY8C3446AXI-099	PSOC
14	CY8C3446AXI-105	PSOC
15	CY8C3666AXI-036	PSOC
16	CY8C3666AXI-037	PSOC
17	CY8C3666AXI-052	PSOC
18	CY8C3666AXI2-036	PSOC
19	CY8C3666AXI2-052	PSOC
20	CY8C3865AXI-019	PSOC
21	CY8C3866AXI-035	PSOC
22	CY8C3866AXI-039	PSOC
23	CY8C3866AXI-040	PSOC
24	CY8C3866AXI-206	PSOC
25	CY8C3866AXI-208	PSOC
26	CY8C5267AXI2-LP051	PSOC
27	CY8C5267AXI-LP051	PSOC
28	CY8C5268AXI-LP047	PSOC
29	CY8C5287AXI-LP095	PSOC
30	CY8C5467AXI2-LP108	PSOC
31	CY8C5467AXI-LP108	PSOC
32	CY8C5468AXI-LP042	PSOC
33	CY8C5468AXI-LP106	PSOC
34	CY8C5488AXI-LP120	PSOC
35	CY8C5666AXI-LP001	PSOC
36	CY8C5666AXI-LP004	PSOC
37	CY8C5667AXI-LP006	PSOC
38	CY8C5667AXI-LP040	PSOC
39	CY8C5667AXQ-LP040	PSOC
40	CY8C5668AXI2-LP010	PSOC
41	CY8C5668AXI-LP010	PSOC
42	CY8C5668AXI-LP013	PSOC
43	CY8C5668AXI-LP034	PSOC
44	CY8C5688AXI-LP099	PSOC
45	CY8C5866AXI-LP020	PSOC
46	CY8C5866AXI-LP021	PSOC

47	CY8C5867AXI-LP024	PSOC
48	CY8C5868AXI2-LP032	PSOC
49	CY8C5868AXI2-LP035	PSOC
50	CY8C5868AXI-LP032	PSOC
51	CY8C5868AXI-LP035	PSOC
52	CY8C5888AXI-LP096	PSOC
53	CY8C5888AXQ-LP096	PSOC
54	CY8C6145AZI-S3F02	PSOC
55	CY8C6145AZI-S3F12	PSOC
56	CY8C6145AZI-S3F42	PSOC
57	CY8C6145AZI-S3F62	PSOC
58	CY8C6145AZI-S3F72	PSOC
59	CY8C6245AZI-S3D02	PSOC
60	CY8C6245AZI-S3D12	PSOC
61	CY8C6245AZI-S3D42	PSOC
62	CY8C6245AZI-S3D62	PSOC
63	CY8C6245AZI-S3D72	PSOC
64	CYAT81650-100AA48	AUTOPSOC
65	CYAT81650-100AS48	AUTOPSOC
66	CYAT81652-100AA48	AUTOPSOC
67	CYAT81652-100AS48	AUTOPSOC
68	CYAT81655-100AA48	AUTOPSOC
69	CYAT81655-100AS48	AUTOPSOC
70	CYAT81658-100AA48	AUTOPSOC
71	CYAT81658-100AS48	AUTOPSOC
72	CYAT81659-100AA48	AUTOPSOC
73	CYAT81659-100AS48	AUTOPSOC
74	CG7723AA	PSOC
75	CG7984AA	PSOC
76	CG8578AA	PSOC
77	CG8578BA	PSOC
78	CG8579AA	PSOC
79	CG8579BA	PSOC
80	CG8601AA	PSOC
81	CG8623AA	PSOC
82	CG8623BA	PSOC
83	CG8761AA	PSOC
84	CG8761XA	PSOC
85	CP7627AT	PSOC
86	CP7627XT	PSOC
87	CP8865AT	PSOC
88	CP8914AT	AUTOPSOC
89	EAN65767901	AUTOPSOC
90	EUFZ0329-CY	AUTOPSOC
91	M1001-000149	AUTOPSOC