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# Cypress Semiconductor Sort Site Qualification Report

**QTP# 171610 VERSION \*A  
September 2017**

**Cypress Test 25, Austin, Texas**

**Sort Site for S8 Technology**

**MPD / MCD Devices**

**FOR ANY QUESTIONS ON THIS REPORT, PLEASE CONTACT**  
[reliability@cypress.com](mailto:reliability@cypress.com) or via a CYLINK CRM CASE

**Prepared By:**  
Honesto Sintos  
Reliability Engineer

**Reviewed By:**  
Lorena Zapanta  
Reliability Manager

**Approved By:**  
David Hoffman  
Reliability Director

**PACKAGE/PRODUCT QUALIFICATION HISTORY**

<b>QTP Number</b>	<b>Description of Qualification Purpose</b>	<b>Date</b>
151907	Cypress Test 25, Austin, Texas Sort Site Qualification for S4 Technology	June 2015
171610	Cypress Test 25, Austin, Texas Sort Site Qualification for S8 Technology	April 2017

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### QUALIFICATION COVERAGE RANGE

MARKETING PART NUMBER	DEVICE DESCRIPTION
CY8C4013 / CY8C4014 / CY8CMBR3002 / CY8CMBR3102 / CY8CMBR3110	CapSense® MBR3
CY8CMBR31 / CY8C4013 / CY8C4014	PSoC® 4000
CY8C4014	Automotive PSoC® 4000
CY8C4124 / CY8C4125 / CY8C4244 / CY8C4245	PSoC® 4100 & PSoC® 4200
CY8C4124 / CY8C4125 / CY8C4244 / CY8C4245	Automotive PSoC® 4100 & PSoC® 4200
CY8CEBIKE	PSoC® 4100 & PSoC® 4200
CY8C4125 / CY8C4126 / CY8C4127	PSoC® 4100M & PSoC® 4200M M Series
CY8C4245 / CY8C4246 / CY8C4247	PSoC® 4100M & PSoC® 4200M M Series
CY8C4246 / CY8C4247 / CY8C4248	PSoC® 4200L L-Series
CY8C4127 / CY8C4247	PSoC® 4 BLE 128K
CYBL1016 / CYBL10162 / CYBL10163	PRoCTM-BLE 128K
CYBL10461 / CYBL10462 / CYBL10463	PRoCTM-BLE 128K
CYBL10561 / CYBL10562 / CYBL10563	PRoCTM-BLE 128K
CYBL10999	PRoCTM-BLE 128K
CY8C4128 / CY8C4248	PSoC® 4 BLE 256K
CYBL10573	PRoCTM-BLE 256K
CY8C3244 / CY8C3245 / CY8C3246 / CY8C3444	Automotive PSoC® 3
CY8C3445 / CY8C3446 / CY8C3645 / CY8C3646 CY8C3665 / CY8C3666 / CY8C3846 / CY8C3866 /	Automotive PSoC® 3
CY8C3244 / CY8C3245 / CY8C3246 / CY8C3444	PSoC® 3
CY8C3445 / CY8C3446 / CY8C3665 / CY8C3666 / CY8C3846 / CY8C3865 / CY8C3866 / CY8C3MFIDOCK / CY8C3USBAUDIO	PSoC® 3
CY8C5267 / CY8C5268 / CY8C5287 / CY8C5288/ CY8C5467 / CY8C5468 / CY8C5488 / CY8C5666 CY8C5667 / CY8C5668 / CY8C5688 / CY8C5866 / CY8C5867 / CY8C5868 / CY8C5888	PSoC® 5LP
CY8CTMA1036 / CY8CTMA460 / CY8CTMA461/ CY8CTMA768	Automotive True Touch® Gen4 Touchscreen Controller

**QUALIFICATION COVERAGE RANGE**

MARKETING PART NUMBER	DEVICE DESCRIPTION
CYTMA445A / CYTMA525A / CYTT21100 CYTT21401 / CYTT21402 / CYTT21403	True Touch® Gen6M Touchscreen Controller
CYTT21100 / CYTT21401 / CYTT21402 CYTT21403 / CYTT31401 / CYTT31702 CYTT31802 / CYTT32302	True Touch® Gen6L Touchscreen Controller
CYAT81682 / CYAT81685 / CYAT81688	Automotive True Touch® Gen6XL Touchscreen Controller
CYFPA1I	True Touch® Fingerprint
CYPD1103 / CYPD1104 / CYPD1105 CYPD1120 / CYPD1121 / CYPD1122 CYPD1134	EZ-PDTM CCG1 USB Type-C PD Controller
CYPD2103 / CYPD2104 / CYPD2105 CYPD2119 / CYPD2120 / CYPD2134	EZ-PDTM CCG2 USB Type-C PD Controller
CY7C65210 / CY7C65211 / CY7C65213 CY7C65215 / CY7C65217 / CY7C65221	USB-Serial Bridge Controller
CY14B064 / CY14E064 / CY14MB064 / CY14ME064	64Kb Serial nvSRAM
CY14B256 / CY14E256	256Kb Serial nvSRAM
CY14B512	512Kb Serial nvSRAM
CY14B101 / CY14E101	1Mb Serial nvSRAM
CY14V101	1Mb Quad SPI nvSRAM
CY14B256 / CY14E256 / CY14U256 / CY14V256	256Kb Parallel nvSRAM
CY14101V / CY14B101 / CY14V101	1Mb Parallel nvSRAM
CY14B102NS	2Mb Parallel nvSRAM
CY14104V / CY14B104 / CY14V104	4Mb Parallel nvSRAM
CY14B108 / CYATB108	8Mb Parallel nvSRAM
CY14B116 / CY14V116 / CY14E116	16Mb Parallel nvSRAM
CY27410F / CY27410L	4-PLL Spread-Spectrum Clock Generator

## Reliability Test Data

**QTP #: 151907**

<i>Device</i>	<i>Fab Lot #</i>	<i>Assembly Lot#</i>	<i>Test Loc</i>	<i>Yield</i>
<b>SORT TEST: CORRELATION</b>				
<b>Sort Yield:</b>				
8C24094AC	4446219 w2, w4, w5	N/A	CMI-FAB25	Correlated
8A24094AC	4510997 w5, w6, w7	N/A	CMI-FAB25	Correlated
8A24094AC	4506339 w6, w7, w8	N/A	CMI-FAB25	Correlated
<b>Bin Movement:</b>				
8C24094AC	4446219 w2	N/A	CMI-FAB25	Correlated
8A24094AC	4510997 w5	N/A	CMI-FAB25	Correlated
8A24094AC	4506339 w6	N/A	CMI-FAB25	Correlated
<b>Fishers Exact:</b>				
8C24094AC	4446219 w2, w4, w5	N/A	CMI-FAB25	>0.05
8A24094AC	4510997 w5, w6, w7	N/A	CMI-FAB25	>0.05
8A24094AC	4506339 w6, w7, w8	N/A	CMI-FAB25	>0.05

**Reliability Test Data****QTP #: 171610**

<b>Device</b>	<b>Fab Lot #</b>	<b>Assembly Lot#</b>	<b>Test Loc</b>	<b>Yield</b>
<b>SORT TEST: CORRELATION</b>				
<b>Sort Yield:</b>				
8A20680BB	3639013 w21	N/A	FAB25	Correlated
<b>Bin Movement:</b>				
8A20680BB	3639013 w21	N/A	FAB25	<2%

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