

ADVANCE PRODUCT CHANGE NOTIFICATION
PCN: PCN040075

DATE: November 15, 2004

Subject: Add OSE Taiwan as Alternate Assembly Site for SOIC.

To:
Description of Change:

Orient Semiconductor Electronics (OSE), assembly subcontractor located in Taiwan, is currently being qualified by Cypress to assemble SOIC package.

OSE has been qualified by Cypress and in production since 1996 for other plastic packages.

Assembly materials and processes to be used for SOIC in OSE assembly are similar to those used by Cypress existing subcontractors.

Benefit of Change: The change will provide an increase in assembly manufacturing capacity, reducing cycle time and improving service to our customers.

Part Numbers Affected:
Affected Parts: 222

Affected Part	Description
CY2309NZSI-1H	3.3V Non-Zero Delay SDRAM Buffer
CY2309NZSI-1HT	3.3V Non-Zero Delay SDRAM Buffer
CY7C63001A-SC	20-PIN 12 I/O LOW SPEED USB uC (4K EPROM)
CY2308SC-1	3.3V Zero Delay Buffer with External Feedback
CY7C63001A-SCT	
CY2308SC-1H	3.3V Zero Delay Buffer with External Feedback
CY2292ASI-024T	
CY2308SI-2T	3.3V Zero Delay Buffer with External Feedback
CY7C63723-SC	Low Speed, 3 Endpoint, enCoRe USB, 18 SOIC
CY2254ASC-1	Pentium Compatible Clock Generator/Driver
CY2308SI-3T	3.3V Zero Delay Buffer with External Feedback
CY2254ASC-1T	
CY2308SI-4	3.3V Zero Delay Buffer with External Feedback
CY2254ASC-2	Pentium Compatible Clock Generator/Driver
CY2308SI-4T	3.3V Zero Delay Buffer with External Feedback
CY22381FC	
CY2081SL-239T	
CY2305SC-1	3.3V Zero Delay Buffer with Internal Feedback
CY2081SL-552	

CY2081SL-552T	
CY2077FS	
CY2077SC-108	
CY7C63723-SCT	
PCY7C63743-SC	
PCY7C63743-SCT	
CY7C64013-SC	19 I/O FULL SPEED USB PERIPHERAL uC (8K EPROM)
CY2305SC-1H	3.3V Zero Delay Buffer with Internal Feedback
CY7C64013-SCT	19 I/O FULL SPEED USB PERIPHERAL uC (8K EPROM)
CY2305SC-1HT	
CY2305SC-1T	
CY2305SI-1	3.3V Zero Delay Buffer with Internal Feedback
CY2077SC-108T	
CY2305SI-1H	3.3V Zero Delay Buffer with Internal Feedback
CY2077SC-125	
CY2077SC-185T	
CY2077SC-186T	
CY2071ASL-377	
CY7C65113-SC	11 I/O FULL SPEED USB 4 PORT HUB uC (8K EPROM)
CY7C65113-SCT	Programmable 4 Port Hub
CY8C22213-24SI	
CY8C22213-24SIT	
CY2305SI-1HT	3.3V Zero Delay Buffer with Internal Feedback
CY8C26233-24SI	
CY2305SI-1T	3.3V Zero Delay Buffer with Internal Feedback
CY2304SC-1	3.3V Zero Delay Buffer with External Feedback
CY2304SC-1T	
CY2071ASL-377T	
CY2304SI-1	3.3V Zero Delay Buffer with External Feedback
CY2071ASL-528	
CY2071ASL-528T	
CY2071ASL-619T	
CY2071ASL-642T	
CY8C26233-24SIT	
CY8C26443-24SI	
CY8C26443-24SIT	
CY8C27243-24SI	
CY8C27443-24SI	
CY7B9920-5SI	

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CY7B9920-7SC	Robo Jr. (CMOS Outputs)
CY7B9920-7SCT	
CY7B951-SC	SONET/SDH & ATM OC-1/3 Clock Recovery (PMD)
CY2071ASL-643T	
CY7B951-SCT	SONET/SDH & ATM OC-1/3 Clock Recovery (PMD)
CY2071ASL-648T	
CY2292SL-1R1T	
CY2071ASL-653T	
CY2292SL-1R4	
CY2071ASL-663	
CY2292SL-1R4T	
CY2071ASL-667T	
CY2292SL-1T3T	
CY2292SL-1T4	
CY7C185-15SC	
CY7C185-25SC	
CY7C185-35SC	
CY7C128A-20SC	
CY7C128A-25SC	
CY7B951-SI	SONET/SDH & ATM OC-1/3 Clock Recovery (PMD)
CY7B951-SIT	SONET/SDH & ATM OC-1/3 Clock Recovery (PMD)
CY7B952-SC	BELLCORE SONET/SDH & ATM OC-1/3 Clk Recovery (PMD)
CY7B952-SCT	
CY2071ASI-623T	
CY7B933-SC	HOTLink Receiver
CY2071AF	Field Programmable 1-PLL Clock Synthesizer
CY2292SL-1T4T	
CY2071AFI	Field Programmable 1-PLL Clock Synthesizer
CY2292SL-1T5T	
CY2071ASC-455	
CY2292SL-1U2T	
CY2071ASC-457T	
CY2292SL-1U3	
CY2292SL-1U3T	
CY7C128A-25SCT	
CP5602AMT	
CY7B9910-2SC	Robo Jr. (TTL Outputs)
CY7B9910-2SCT	
CY7B9910-5SC	Robo Jr. (TTL Outputs)
CY2304SI-1T	

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CY7B9910-5SCT	
CY7B933-SI	HOTLink Receiver
CY2907F8	Field Programmable 1-PLL Clock Synthesizer
CY2292SL-1F9T	
CY2907F8I	Field Programmable 1-PLL Clock Synthesizer
CY2292SL-1G7	
CY2907SC-76T	
CY2071ASC-659T	
CY2292SL-1G8T	
CY2907SC-85T	
CY2071ASI-571T	
CY2292SL-1V1T	
CS6232AM	
CY2292SL-1V6T	
CS6228AST	
CY2292SL-1W2T	
CS5960ATT	
CY2292SL-1W6	
CY2292SL-530	
CY7B9910-5SI	
CY7B9910-5SIT	
CY7B9910-7SC	Robo Jr. (TTL Outputs)
CY7B9920-2SC	Robo Jr. (CMOS Outputs)
CY7B9920-2SCT	
CY2292SL-1H7T	
CY2907SL-262T	
CY2292SL-1J4T	
CY2907SL-367T	
CY2292SL-1J5T	
CY2907SL-369T	
CY2292SL-1N2	
CY26200SC	
CP6168AMT	
CY2292SL-1P6T	
CY25901SC-1T	
CP6124AM	
CY2292SL-530T	
CP6075AMT	
CY2292SL-535T	
CP5601AMT	
CY2292SL-677	

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CY2292SL-808T	
CY2292SL-877	
CY25103SC-2T	
CY25100SC-005A	
CY25100SI	
CY25002SC-4T	
CY24119SC-1	
CY2292SL-909T	
CY2292SL-970	
CY2292SL-998	
CY2292SL-998T	
CY2292SI-1A0T	
CY24119SC-1T	
CY24119SCT	
CY2412SC-1T	
CY2412SC-2	
CY24131SC	
CY2292SI-1T1T	
CY2292SI-1T2	
CY2292SI-705T	
CY2292SC-396	
CY2292SC-413T	
CY241V08ASC-01	
CY2410SC-1	
CY2410SC-1T	
CY2410SC-5T	
CY2313ANZSC-1	3.3V Non-Zero Delay SDRAM Buffer
CY2292SC-492T	
CY2308SC-1HT	
CY2292SC-628T	
CY2308SC-1T	
CY2292SC-660T	
CY2308SC-2	3.3V Zero Delay Buffer with External Feedback
CY2292SC-833T	
CY2308SC-2T	
CY2292SC-864T	
CY22381FCT	
CY2308SC-3	3.3V Zero Delay Buffer with External Feedback
CY22381FI	
CY22381SC-128T	
CY22381SC-153T	

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CY22381SC-154T	
CY2313ANZSC-1T	
CY2309SC-1	3.3V Zero Delay Buffer with Internal Feedback
CY2309SC-1H	3.3V Zero Delay Buffer with Internal Feedback
CY2309SC-1HT	
CY2309SC-1T	
CY2292SC-983T	
CY2308SC-3T	
CY2292SC-984T	
CY2308SC-4	3.3V Zero Delay Buffer with External Feedback
CY2292F	Field Programmable 3-PLL Clock Synthesizer
CY2308SC-4T	
CY2292FI	Field Programmable 3-PLL Clock Synthesizer
CY2308SC-5H	3.3V Zero Delay Buffer with External Feedback
CY2292FT	
CY22381SC-159	
CY2308SC-5HT	3.3V Zero Delay Buffer with External Feedback
CY22381SC-159T	
CY22381SC-160T	
CY22381SI-137T	
CY22381SI-144T	
CY2309SI-1	3.3V Zero Delay Buffer with Internal Feedback
CY2309SI-1H	3.3V Zero Delay Buffer with Internal Feedback
CY2309SI-1HT	3.3V Zero Delay Buffer with Internal Feedback
CY2309SI-1T	3.3V Zero Delay Buffer with Internal Feedback
CY2309NZSC-1H	3.3V Non-Zero Delay SDRAM Buffer
CY2292ASL-003T	
CY2308SI-1	3.3V Zero Delay Buffer with External Feedback
CY2292ASL-013	
CY2308SI-1H	3.3V Zero Delay Buffer with External Feedback
CY2292ASL-013T	
CY2308SI-1HT	3.3V Zero Delay Buffer with External Feedback
CY2292ASL-019T	
CY2308SI-1T	3.3V Zero Delay Buffer with External Feedback
CY2292ASI-001	
CY22381SI-146T	
CY2308SI-2	3.3V Zero Delay Buffer with External Feedback
CY2081SL-190T	
CY2081SL-207T	
CY2081SL-220T	
CY2081SL-239	

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CY2309NZSC-1HT	
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Customer Part Numbers Affected:

Affected Parts: 00

Qualification Status:

Qualification (#042109) is in-progress and expected completion date is September 1, 2004.

Sample Status:

Request samples from your Sales representative.

Approximate Implementation Date:

January 2005

Anticipated Impact:

Better service due to increased assembly capacity and reduced cycle time.

Method Of Identification:

All parts assembled in OSE Taiwan will have country of origin (COO) code marked on top of the package. COO for OSE Taiwan is "TWN".

Response Required:

Your company requires written approval which must be received within 90 days of the product change notification. If your approval is not received within 90 days, the change will be incorporated without further notice.

Change accepted by _____ Print Name _____
Title _____ Date _____

Fax signed approval to PCN Administrator at 408-943-2165 or reply by E-mail to pcn_adm@cypress.com

Sincerely,

Richard Oshiro
PCN Process Manager