

FINAL PRODUCT CHANGE NOTIFICATION
PCN: PCN040092

DATE: August 24, 2004

Subject: Change of assembly materials for all TSOP packages built in OSE-Taiwan.

To:
Description of Change:

OSE Taiwan currently uses two sets of materials to build TSOP packages. One set is the combination of CEL9200CY molding compound with 84-1 LMIS die attach epoxy. The other set is the combination of 7351LS mold compound and 8361 die attach epoxy.

Hitachi CEL9200THF is the newly qualified mold compound that will replace CEL9200CY and 7351LS mold compounds. Likewise, Ablestik 8340 will replace 84-1LMIS and 8361H as new die attach epoxy.

These changes are being done to standardize assembly materials. There will be no change in fit, form and function.

Benefit of Change: Standardization of assembly materials for all TSOP packages will result to better Cypress materials management.

Part Numbers Affected:
Affected Parts: 213

Affected Part	Description
CY28329ZCT	133 MHz Speed Spectrum Clock Synthesizer/Driver
CY28329ZC	133 MHz Speed Spectrum Clock Synthesizer/Driver
CY28322ZC-2T	133 MHz Sread Spectrum Clock Synthesizer
CY28317ZC-2T	FTG for Mobile via PL133T and PL 133T Chipsets
CS6131AAT	Three PLL Serial Programmable Flash clock Generator
CY27032ZCT	Clock Generator for DSC
CS6126AAT	Clock Generator for DSC
CG6039AAT	MediaClock (TM) Clock Generator for DVD Players
CG6007AAT	Clock Generator For DTV MS Interface
CG6002AAT	Clock Generator for DSC
CY27030ZCT	Clock Generator for DSC
CY26121ZI-21T	Spread Spectrum Clock Generator
CY26121ZI-21	Spread Spectrum Clock Generator
CY26121ZC-21T	Spread Spectrum Clock Generator

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CY26114ZCT	Spread spectrum Clock Generator
CY26049ZI-36T	Fail Safe Packet Clock
CY26049ZI-36	Failsafe Packet Clock Clobal Communications
W232-10X	'Spread Aware' Zero Delay Buffer
CY26049ZC-36	Failsafe Packet Clock Clobal Communications
W152-11X	'Spread Aware' Zero Delay Buffer
CY25812ZC	Rasco DUT board
W132-10BXT	"Spread Aware" Zero Delay Buffer
CY25811ZCT	Spread Spectrum Clock Generator
W132-10BX	'Spread Aware' Zero Delay Buffer
CY24141ZC-3T	Media Clock Graphics Clock Generator
IMISM530ATBT	Frequency-multiplying peak reducing EMI Generator
CY24141ZC-3	Media Clock Digital TV Clock Generator
CY24133ZC-1	Media Clock Digital TV Clock Generator
CY23S09ZC-1H	'Spread Aware' Zero Delay Buffer
CY7C1021B-12ZCT	64K x 16 SRAM
CY23S08ZC-1H	Zero Delay Buffer
CY7C1021B-12ZC	64K x 16 SRAM
CY7C1019CV33-15ZI	128K x 8 SRAM
CY7C1019CV33-15ZCT	128K x 8 SRAM
CY7C1019CV33-15ZC	128K x 8 SRAM
CY62128VLL-70ZAIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY25811ZC	Spread Spectrum Clock Generator
CY62128VLL-70ZAI	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY25201ZC-3T	Programmable Spread Spectrum Clock Generator
IMISM530ATB	Frequency-multiplying peak reducing EMI Generator
CY2510ZC-1T	'Spread Aware' Zero Delay Buffer
IMISG587ETBT	NTSC/PAL Clock Generator
CY2510ZC-1	'Spread Aware' Zero Delay Buffer
IMIFS781BTT	EMI Spectrum Spread Clock
CY25100ZIF	'Spread Aware' Zero Delay Buffer
IMIFS781BT	EMI Spectrum Spread Clock
CY23FS04ZC	Failsafe Zero delay Buffer
IMIC9870MZCT	High Performance Pentium Clock Synthesizer
CY2309ZI-1HT	3.3V Zero Delay Buffer with Internal Feedback
CY7C1021BV33L-15ZIT	64K x 16 SRAM
CY2309ZI-1H	3.3V Zero Delay Buffer with Internal Feedback
CY7C1021BV33L-15ZI	64K x 16 SRAM
CY2309ZC-1HT	3.3V Zero Delay Buffer with Internal Feedback
CY7C1019CV33-12ZCT	128K x 8 SRAM
CY2309ZC-1H	3.3V Zero Delay Buffer with Internal Feedback

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CY7C1019CV33-12ZC	128K x 8 SRAM
CY7C1019B-12ZCT	128K x 8 SRAM
CY7C1019B-12ZC	128K x 8 SRAM
CY62148VLL-70ZIT	512K x 8 SRAM
CY62128VLL-70ZACT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128VLL-70ZAC	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128VLL-55ZAIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128VLL-55ZAI	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY25100ZCF	'Spread Aware' Zero Delay Buffer
W320-04XT	200MHz Spread Spectrum Clock Synthesizer/Driver
CY2509ZC-1T	Nine Output Zero Delay Buffer
IMIC9835ATT	Low EMI Clock Generator
CY2509ZC-1	Nine Output Zero Delay Buffer
IMIC9827JTT	High Performance Pentium 4 Clock Synthesizer
CY25026ZC-1	Programmable Spread Spectrum
IMIC9827JT	High Performance Pentium 4 Clock Synthesizer
CY7C1021BV33L-15ZCT	64K x 16 SRAM
CY25022ZC-3T	Spread Spectrum Clock Generator for EMI Reduction
IMIC9827HTT	High Performance Pentium 4 Clock Synthesizer
CY7C1021BV33L-15ZC	64K x 16 SRAM
CY2308ZI-1HT	3.3V Zer0 Delay Buffer
IMIC9827HT	High Performance Pentium 4 Clock Synthesizer
CY7C1021BV33L-12ZCT	64K x 16 SRAM
CY2308ZI-1H	3.3V Zer0 Delay Buffer
CY7C1021BV33L-12ZC	64K x 16 SRAM
CY2308ZC-1HT	3.3V Zer0 Delay Buffer
CY7C1021BV33L-10ZCT	64K x 16 SRAM
CY2308ZC-1H	3.3V Zero Delay Buffer with External Feedback
CY62148VLL-70ZI	SLOW 3.3V SUPER LOW POWER 512Kx8 SRAM
CY2305ZC-1	Low cost 3.3V Zero Delay Buffer
CY62148BLL-70ZIT	512K x 8 SRAM
CY62148BLL-70ZI	512K x 8 SRAM
CS5758AT	MoBL(R)4M (512K x 8) Static RAM
W320-03XT	200MHz Spread Spectrum Clock Synthesizer/Driver
W254BX	Clock Generators for Intel Solano Chipset
W234XT	Dual Direct Rambus Clock Generator
W234X	Dual Direct Rambus Clock Generator
CY24207ZC-1T	Media Clock PDP Clock Generator
W232-10XT	Ten Output Zero Delay Buffer
CY24206ZC-4T	System Clock Generator
IMIC9531CTT	System Clock Generator

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CY24206ZC-4	System Clock Generator
IMIC9531CT	System Clock Generator
CY24204ZC-3T	System Clock Generator
IMIC6013BTT	Full Speed USB Controller
CY7C1021BL-15ZC	64K x 16 SRAM
CY24142ZC-01T	Multimedia Clock Generator
IMIC6004ATT	Spread Spectrum Clock Generator IC
CY7C1021B-15ZIT	64K x 16 SRAM
CY2304NZZI-1T	Four Output PCI-X and General Purpose Buffer
IMIC5005BTT	Motherboard Clock
CY7C1021B-15ZI	64K x 16 SRAM
CY2304NZZI-1	Four Output PCI-X and General Purpose Buffer
CY7C1021B-15ZCT	64K x 16 SRAM
CY2304NZZC-1T	Four Output PCI-X and General Purpose Buffer
CY7C1021B-15ZC	64K x 16 SRAM
CY2304NZZC-1	Four Output PCI-X and General Purpose Buffer
CY2292FZ	General Purpose Clock Generator
IMIC5002BTBT	66-MHz Spread Spectrum Clock Generator
CYW2338ZIT	Three PLL General Purpose Flash Programmable Clock
CYW2338ZI	Three PLL General Purpose Flash Programmable Clock
CY7C199L-15ZCT	32Kx8 28-PIN (300 MIL) SRAM
CY2292AZL-101T	General Purpose Clock Generator
CY7C199L-15ZC	32Kx8 28-PIN (300 MIL) SRAM
CY22395FI	Three PLL Serial Programmable Flash clock Generator
CY22395FC	Three PLL Serial Programmable Flash clock Generator
CY22394FI	Three PLL Serial Programmable Flash
CY22394FC	Three PLL Serial Programmable Flash
CY7C199-20ZCT	32Kx8 28-PIN (300 MIL) SRAM
CY7C199-20ZC	32Kx8 28-PIN (300 MIL) SRAM
CY7C199-15ZCT	32Kx8 28-PIN (300 MIL) SRAM
CY7C199-15ZC	32Kx8 28-PIN (300 MIL) SRAM
CY22393ZI-503	Three PLL Serial Programmable Flash clock Generator
CY7C199-12ZCT	32Kx8 28-PIN (300 MIL) SRAM
CY22393ZC-527T	Three PLL Serial Programmable Flash clock Generator
CY22393ZC-527	Three PLL Serial Programmable Flash Clock Generator
CY22393ZC-526T	Three PLL Serial Programmable Flash Clock Generator
CY22393ZC-524T	Three PLL Serial Programmable Flash Clock Generator
CY7C199-12ZC	32Kx8 28-PIN (300 MIL) SRAM
CY7C109B-20ZCT	128K X 8 32-PIN (400-MIL) STATIC RAM
CY7C109B-20ZC	128K X 8 32-PIN (400-MIL) STATIC RAM
CY7C109B-15ZCT	128K X 8 32-PIN (400-MIL) STATIC RAM

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CY22393ZC-524	Three PLL Serial Programmable Flash Clock Generator
CY7C109B-15ZC	128K X 8 32-PIN (400-MIL) STATIC RAM
CY22393ZC-519T	Three PLL Serial Programmable Flash Clock Generator
CY62128BLL-70ZC	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22393ZC-518T	Three PLL Serial Programmable Flash Clock Generator
CY62128BLL-55ZIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22393ZC-517T	Three PLL Serial Programmable Flash clock Generator
CY62128BLL-55ZI	SLOW 5.0V STD POWER 128K X 8 SRAM
CY22393ZC-515T	Three PLL Serial Programmable Flash Clock Generator
CY2SSTV857ZCT	Differential Clock Buffer
CY22392FC	Three PLL Serial Programmable Flash Clock Generator
CY2SSTV857ZC	Differential Clock Buffer
CY22313LFZCT	Two-PLL Clock Generator with Direct Rambus
CY22150ZI-311T	One-PLL General Purpose Flash Programmable
CY22150ZI-311	One-PLL General Purpose Flash Programmable
CY22150ZI-304T	One-PLL General Purpose Flash Programmable
CY7C109B-12ZCT	128K X 8 32-PIN (400-MIL) STATIC RAM
CY7C109B-12ZC	128K X 8 32-PIN (400-MIL) STATIC RAM
CY62128VLL-70ZIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128VLL-70ZI	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22393ZC-515	Three PLL Serial Programmable Flash Clock Generator
CY62128VLL-70ZCT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22393FI	Three PLL Serial Programmable Flash Clock Generator
CY2SSTV855ZC	Differential Clock Buffer
CY22393FCT	Three PLL Serial Programmable Flash Clock Generator
CY2SSTV850ZC	Differential Clock Buffer
CY22393FC	Three PLL Serial Programmable Flash Clock Generator
CY2DP814ZCT	Clock Fanout Buffer
CY22392ZI-341T	Three PLL Serial Programmable Flash Clock Generator
CY2DP814ZC	Clock Fanout Buffer
CY22150ZC-315T	One-PLL General Purpose Flash Programmable
CY292510ZCT	200-MHz Ten Output Zero Delay Buffer/PLL
CY22150FI	One-PLL General Purpose Flash Programmable
CY22150FC	One-PLL General Purpose Flash Programmable
CY2213ZC-2T	High-Frequency Programmable PECL Clock Generator
CY2213ZC-1T	High-Frequency Programmable PECL Clock Generator
CY62128VLL-70ZC	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128VLL-55ZIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128VLL-55ZI	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128DV30LL-70ZIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22392ZC-357	Three PLL Serial Programmable Flash Clock Generator

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CY62128DV30LL-70ZI	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22392ZC-356	Three PLL Serial Programmable Flash Clock Generator
CY292510ZC	200-MHz Ten Output Zero Delay Buffer/PLL
CY22392ZC-355	Three PLL Serial Programmable Flash Clock Generator
CY28512ZCT	166MHz LOW VOLTAGE SE SSCG
CY22392ZC-347T	Three PLL Serial Programmable Flash Clock Generator
CY28507ZC-3T	PowerPC (R) Spread Spectrum Clock Generator
CY22392ZC-347	Three PLL Serial Programmable Flash Clock Generator
CY28347ZCT	Universal Single-chip Clock Solution
CY2213ZC-1	High-Frequency Programmable PECL Clock Generator
CY28346ZI-2T	2 Clock Synthesizer with Differential CPU Output
CY2212ZC-2T	Rambus Lite Clock Generator
CY2212ZC-2	Rambus Lite Clock Generator
CY22050FI	General Purpose Flash Programmable Clock Generator
CY22050FC	General Purpose Flash Programmable Clock Generator
CY62128DV30LL-55ZIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128DV30LL-55ZI	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128BLL-70ZIT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY62128BLL-70ZI	SLOW 5.0V STD POWER 128K X 8 SRAM
CY22392ZC-344T	Three PLL Serial Programmable Flash Clock Generator
CY62128BLL-70ZCT	SLOW 3.3V SUPER LOW POWER 128K X 8 SRAM
CY22392ZC-338T	Three PLL Serial Programmable Flash Clock Generator
CY28346ZCT	2 Clock Synthesizer with Differential CPU Output
CY22392ZC-333T	Three PLL Serial Programmable Flash Clock Generator
CY28346ZC-2T	2 Clock Synthesizer with Differential CPU Output
CY22392FI	Three PLL Serial Programmable Flash Clock Generator
CY28346ZC-2	2 Clock Synthesizer with Differential CPU Output
CY22392FCT	Three PLL Serial Programmable Flash Clock Generator
CY28346ZC	2 Clock Synthesizer with Differential CPU Output
CY2077ZI-178	High-Accuracy EPROM Programmable Single-PLL Clock Generator
CY28339ZCT	CK408 Mobile Clock Synthesizer
CY2077ZC-111T	High-Accuracy EPROM Programmable Single-PLL Clock Generator
CY2077ZC-111	High-Accuracy EPROM Programmable Single-PLL Clock Generator
CY2077FZ	High-Accuracy EPROM Programmable Single-PLL Clock Generator
CY2040ZC-3T	32kHz and 24MHz Clock Generator with Precision 32kHz input

FINAL PRODUCT CHANGE NOTIFICATION**Customer Part Numbers Affected:****Affected Parts: 00****Qualification Status:**

As per Cypress specified list of major changes, this change has been qualified through a series of tests identified in Qualification Test Plan (QTP) #033104. The report for closure of this QTP can be found in attachment to this PCN or by going to www.cypress.com, typing the QTP number 033104 in the search window, and clicking 'Go'.

Sample Status:

Please request samples from Cypress Sales representatives.

Approximate Implementation Date:

The parts will be ready to ship by September, 2004.

Anticipated Impact:

There is no change on the current moisture sensitivity level.

Method Of Identification:

This new material set can be identified by the datecode. This material set will be used starting datecode 0436.

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