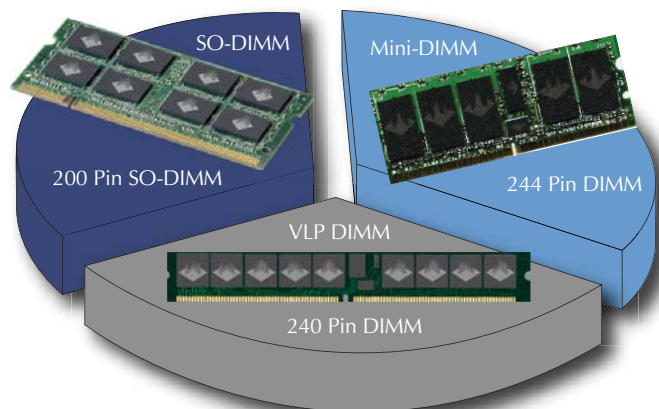


# Small Form Factor Memory Solutions

*The perfect balance of form and function*

## Overview

White Electronic Designs Corporation (WEDC) provides a complete product portfolio that serves the various needs of the new ATCA, MicroTCA and other embedded system requirements. Whether you are designing an AdvancedTCA processor blade, Advanced MC processor module or any other small form factor card, we have a memory solution that accurately and efficiently fits your needs and budget.



WEDC's AdvancedTCA memory solutions were developed using our more than 20 years of performance-based memory module design, development and test experience. Our validation process uses our in-house automated test equipment environments, state-of-the-art lab equipment and various other application platforms. By incorporating the qualification of each silicon shrink, logic device change and design improvement, we can assure product compliancy throughout the product's lifecycle. Our memory solutions are highly tested in production across both the expected temperature and voltage ranges, ensuring that the best quality product is delivered to you.

### VLP DIMM

#### DDR2 SDRAM RDIMM Modules - Registered 72-bit wide, ECC, w/PLL, 1.8V

Density	Module Organization	Part Number	Package Height	Base Component Org (QTY)	Data Rate Mb/s	Module	Availability
512MB	64Mx72	W3HG64M72AER-AD6	.72"	64Mx4 (18)	400-667	240 RDIMM	NOW
1GB	128Mx72	W3HG128M72AER-AD6	.72"	128Mx4 (18)	400-667	240 RDIMM	NOW
2GB	2x128Mx72	W3HG2128M72ACER-xAD6	.72"	2x128Mx4 (18) die stack	400-667	240 RDIMM	NOW
2GB	256Mx72	W3HG256M72AER-xAD6	.72"	256Mx4 (18)	400-667	240 RDIMM	NOW
4GB	2x256Mx72	W3HG2256M72ACER-AD6	.72"	512Mx4 (18) stack	400-667	240 RDIMM	NOW



For more information, visit our website at [www.whiteedc.com](http://www.whiteedc.com) or call 602.437.1520 and ask to be connected to Commercial Electronics marketing.

## SO-DIMM

### DDR2 SDRAM SO-RDIMM Modules - Registered 72-bit wide, ECC, w/PLL, 1.8V

Density	Module Organization	Part Number	Package Height	Base Component Org (QTY)	Data Rate Mb/s	Module	Availability
512MB	64Mx72	W3HG64M72EER-PD4	1.18"	64Mx8 (9)	400-667	200 SO-DIMM	NOW
1GB	2x64Mx72	W3HG264M72EER-PD4	1.18"	64Mx8 (18)	400-667	200 SO-DIMM	NOW
1GB	128Mx72	W3HG128M72EER-PD4	1.18"	128Mx8 (9)	400-667	200 SO-DIMM	CF <sup>(1)</sup>
2GB	2x128Mx72	W3HG2128M72EER-PD4	1.18"	128Mx8 (18)	400-667	200 SO-DIMM	NOW

### DDR2 SDRAM SO-CDIMM Modules - Unbuffered 72-bit wide, ECC, w/PLL, 1.8V

Density	Module Organization	Part Number	Package Height	Base Component Org (QTY)	Data Rate Mb/s	Module	Availability
512MB	64Mx72	W3HG64M72EEU-PD4	1.18"	64Mx8 (9)	400-667	200 SO-DIMM	NOW
1GB	2x64Mx72	W3HG264M72EEU-PD4	1.18"	64Mx8 (18)	400-667	200 SO-DIMM	NOW
1GB	128Mx72	W3HG128M72EEU-PD4	1.18"	128Mx8 (9)	400-667	200 SO-DIMM	CF <sup>(1)</sup>
2GB	2x128Mx72	W3HG2128M72EEU-PD4	1.18"	128Mx8 (18)	400-667	200 SO-DIMM	NOW

### DDR2 SDRAM SO-DIMM Modules - Unbuffered 64-bit wide, ECC, 1.8V

Density	Module Organization	Part Number	Package Height	Base Component Org (QTY)	Data Rate Mb/s	Module	Availability
512MB	2X32Mx64	W3HG232M64SEU-D <sup>4</sup>	1.18"	32Mx16 (18)	400-667	200 SO-DIMM	NOW
512MB	64Mx64	W3HG64M64EEU-D4	1.18"	64Mx8 (8)	400-667	200 SO-DIMM	NOW
1GB	2x64Mx64	W3HG264M64EEU-D4	1.18"	64Mx8 (16)	400-667	200 SO-DIMM	NOW
1GB	128Mx64	W3HG128M64EEU-D4	1.18"	128Mx8 (8)	400-667	200 SO-DIMM	CF <sup>(1)</sup>
2GB	2x128Mx64	W3HG2128M64EEU-D4	1.18"	2x128Mx8 (16)	400-667	200 SO-DIMM	CF <sup>(4)</sup>
4GB	2x256Mx64	W3HG2256M64ECEU-D4	1.18"	2x256Mx8 (8)	400-667	200 SO-DIMM	CF <sup>(4)</sup>

## Mini-RDIMM

### DDR2 SDRAM Modules - Registered 72-bit wide, ECC, w/PLL, 1.8V

Density	Module Organization	Part Number	Package Height	Base Component Org (QTY)	Data Rate Mb/s	Module	Availability
512MB	64Mx72	WV3HG64M72EER-D7*	1.18"	64Mx8 (9)	400-667	244 RDIMM	NOW
1GB	2x64Mx72	WV3HG264M72EER-D7*	1.18"	64Mx8 (18)	400-667	244 RDIMM	NOW
1GB	128Mx72	WV3HG128M72EER-D7*	1.18"	128Mx8 (9)	400-667	244 RDIMM	CF <sup>(1)(2)</sup>
2GB	2x128Mx72	WV3HG2128M72EER-D7*	1.18"	TBD	400-667	244 RDIMM	CF <sup>(2)</sup>

### DDR2 SDRAM VLP Modules - Registered 72-bit wide, ECC, w/PLL, 1.8V

Density	Module Organization	Part Number	Package Height	Base Component Org (QTY)	Data Rate Mb/s	Module	Availability
512MB	64Mx72	W3HG64M72EER-AD7*	.72"	64Mx8 (9)	400-667	244 RDIMM	CF <sup>(2)</sup>
1GB	2x64Mx72	W3HG264M72ECER-AD7*	.72"	2x64Mx8 (9) stack	400-667	244 RDIMM	CF <sup>(2)</sup>
1GB	128Mx72	W3HG128M72EER-AD7*	.72"	128Mx8 (9)	400-667	244 RDIMM	CF <sup>(1)(2)</sup>
2GB	2x128Mx72	W3HG2128M72EER-AD7*	.72"	TBD	400-667	244 RDIMM	CF <sup>(3)</sup>

\* Consult factory for availability.

(1) Will be available when component approaches price parity with planar 512Mb solution.

(2) Under consideration based on customer needs.

(3) Available contingent on FBGA component size.

(4) In Development

CF: Contact Factory

For ordering or information on any of our products and services, call White Electronic Designs at:

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