

## Alliance Memory Direct Replacements for Cypress Semiconductor CY62256 Low-Power SRAMs

When Cypress Semiconductor Corporation issued a product termination notification for its CY62256 series — a mainstream SRAM product that is still used by thousands of customers throughout the world — Alliance Memory purchased the following part numbers directly from the company: CY62256NLL-55SNXI, CY62256NLL-55SNXIT, CY62256NLL-70PXC, CY62256NLL-70SNXC, and CY62256NLL-70SNXCT. Alliance and Cypress have worked together to extend the life of this product by Alliance buying the remaining stock from Cypress. The part numbers above are now in Alliance stock and can be supported through Alliance only as Cypress has already announced EOL and had the last time buy.

In addition, Alliance is providing direct replacements for the devices: the AS6C62256-55SIN, AS6C62256-55SINTR, and AS6C62256-55PCN LPSRAMs. The 32K x 8 devices are fabricated using very high-performance, high-reliability CMOS technology, and their standby current is stable within the range of operating temperature. Making products like these available after they've been discontinued by other manufacturers is Alliance Memory's mission, and the company is committed to producing these particular low-power SRAM devices for many years into the future.

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### FEATURES

- 55ns access time
- Low power consumption
  - 15mA typical operation current
  - 1µA typical standby current
- Wide power supply range of 2.7V to 5.5V
- All inputs and outputs are TTL compatible
- Fully static operation
- Tri-state output
- 1.5V minimum data retention voltage
- 28-pin PDIP, SOP, and sTSOP package

#### Comparison links:

[Comparison Between CY62256NLL-55 and AS6C62256-55 256Kb Low-Power SRAMs](#)

[Comparison Between CY62256NLL-70 and AS6C62256-55 256Kb LP-SRAMs](#)

[Comparison Between CY62256VNLL-70 and AS6C62256-55 256Kb LP-SRAM](#)

These parts are well designed for low power application and particularly well suited for battery back-up non-volatile memory application.

Cypress part #	Stock	ALLIANCE NEAREST CROSS*	Stock
<a href="#"><u>CY62256NLL-55SNXI</u></a>	<a href="#"></a>	<a href="#"><u>AS6C62256-55SIN</u></a>	<a href="#"></a>
<a href="#"><u>CY62256NLL-55SNXIT</u></a>	<a href="#"></a>	<a href="#"><u>AS6C62256-55SINTR</u></a>	<a href="#"></a>
<a href="#"><u>CY62256NLL-70SNXC</u></a>	<a href="#"></a>	<a href="#"><u>AS6C62256-55SCN</u></a>	<a href="#"></a>
<a href="#"><u>CY62256NLL-70SNXCT</u></a>	<a href="#"></a>	<a href="#"><u>AS6C62256-55SCNTR</u></a>	<a href="#"></a>
<a href="#"><u>CY62256NLL-70PXC</u></a>	<a href="#"></a>	<a href="#"><u>AS6C62256-55PCN</u></a>	<a href="#"></a>

- DISCLAIMER\*\*The information presented is for suggestion purposes only. We recommend that you

## ADDITIONAL RESOURCES

[Cypress Semiconductor CY62256 Low-Power SRAMs and Direct Replacement AS6C62256 from Alliance Memory](#)