



[Community](#)
[English](#)
[Log in](#)

SOLUTIONS PRODUCTS DESIGN SUPPORT BUY & SAMPLE
ABOUT CYPRESS

Home > Products > Memories for Embedded Systems > nvSRAM > nvSRAM Serial > CY14ME064Q2A-SXQ

CY14ME064Q2A-SXQ

Status: **In Production**

[Product Specs](#)
[Pricing & Inventory](#)
[Packaging/Ordering](#)
[Quality and RoHS](#)
[Technical Documents](#)

CY14ME064Q2A-SXQ

Automotive Qualified	N
Density (Kb)	64
Frequency (MHz)	40
Interface	SPI
Max. Operating Temp. (°C)	105
Max. Operating VCCQ (V)	3.60
Max. Operating Voltage (V)	5.50
Min. Operating Temp. (°C)	-40
Min. Operating VCCQ (V)	2.70
Min. Operating Voltage (V)	4.50
Organization (X x Y)	8Kb x 8
Part Family	Serial nvSRAM
Speed (ns)	N/A
Tape & Reel	N
Temp. Classification	Industrial(Q)

DESIGN SUPPORT

- [Development Kits](#)
- [Forums](#)
- [Knowledge Base](#)
- [Packaging](#)
- [Product Brochures](#)
- [Quality & Reliability](#)
- [Samples](#)
- [Technical Support](#)
- [Technical Training](#)
- [Third Party Network \(CYPros\)](#)

TRAINING

- [Workshops](#)
- [Training On-Demand](#)
- [Webinars](#)

[Feedback](#)

PRICING & INVENTORY AVAILABILITY

1-9 unit Price*	10-24 unit Price*	25-99 unit Price*	100-249 unit Price*	250-999 unit Price*	1000+ unit Price*
\$5.49	\$4.87	\$4.57	\$4.28	\$4.04	\$3.78

Availability	Quantity	Ships In	Buy from Cypress	Buy from Distributors
---------------------	-----------------	-----------------	-------------------------	------------------------------

Availability	Quantity	Ships In	Buy from Cypress	Buy from Distributors
Out of Stock	0	Please click here to check lead times	Contact Sales	Buy

* Prices are shown in United States dollars and are for budgetary use only for volume of 1ku

PACKAGING/ORDERING

Package	SOIC
No. of Pins	8
Package Dimensions	193 L x 1.5 H x 150 W (Mils)
Package Weight	76.45 (mgs)
Package Cross Section Drawing	Download
Package Carrier	TUBE
Package Carrier Drawing / Orientation	Drawing , Package Orientation
Standard Pack Quantity	194
Minimum Order Quantity (MOQ)	194
Order Increment	194
Estimated Lead Time (days)	42
HTS Code	8542.32.0041
ECCN	(B.2.A.)
ECCN Suball	3A991

QUALITY AND ROHS

Moisture Sensitivity Level (MSL)	3
Peak Reflow Temp. (°C)	260 (Cypress Reflow Profile)
RoHS Compliant	Y Print RoHS Certificate of Compliance
PB Free	Y
Lead/Ball Finish	Ni/Pd/Au
Marking	Cypress Marking Format

IPC 1752 Material Declaration

[IPC1752 MATERIAL DECLARATION SOIC8 \(150 mil\) \(SZ08\)_OSET_Au WIRE_NiPdAu_HITACHI EN4900G_HITACHI CEL9220THF Last Update: Nov 04, 2019](#)

[IPC1752 MATERIAL DECLARATION SOIC8 \(150 mil\) \(SZ08\)_CML_Au WIRE_NiPdAu_HENKEL QMI 509_NITTO MP8500 Last Update: Nov 04, 2019](#)

[IPC1752 MATERIAL DECLARATION SOIC8 \(150 mil\) \(SZ08\)_AMKOR PHIL_Au WIRE_PURE Sn_HENKEL 8290_SUMITOMO EME6600H Last Update: Oct 30, 2019](#)

Device Qualification Reports

FIT/MTBF, ESD (HBM/CDM) and Latch-up data available in the Device Qualification Report.

[QTP 102204: 1MEG \(INDUS\) SERIAL NON-VOLATILE SRAM PRODUCT FAMILY, S8 TECHNOLOGY, CMI \(FAB 4\).pdf Last Update: Sep 15, 2016](#)

TECHNICAL DOCUMENTS

Application Notes (15)

- [AN200291 - Migrating from I2C nvSRAM to I2C F-RAM™ Sep 27, 2018](#)
 - [AN68174 - Migrating from Serial Peripheral Interface \(SPI\) EEPROM to SPI nvSRAM Feb 18, 2018](#)
 - [AN64574 - Designing with Serial Peripheral Interface \(SPI\) nvSRAM Feb 18, 2018](#)
 - [AN61546 - Nonvolatile Static Random Access Memory \(nvSRAM\) Real Time Clock \(RTC\) Design Guidelines and Best Practices Feb 18, 2018](#)
 - [AN53313 - Real Time Clock Calibration in Cypress nvSRAM Feb 18, 2018](#)
 - [AN43593 - Storage Capacitor \(VCAP\) Options for Cypress nvSRAM Feb 18, 2018](#)
 - [AN74875 - Designing with Serial I2C nvSRAM Jan 29, 2018](#)
 - [AN43380 - HSB Operation in nvSRAMs Jan 24, 2018](#)
 - [AN87209 - OVERVIEW OF NVSRAM I2C I/O SPECS STANDARDIZED BY CYPRESS ACROSS I2C MODES Aug 18, 2017](#)
 - [AN202493 - Migrating from SPI nvSRAM to SPI F-RAM™ Aug 18, 2017](#)
 - [AN72389 - MIGRATING FROM CY14B101P/CY14B512P/CY14B256P TO CY14B101PA/CY14B512PA/CY14B256PA Aug 18, 2017](#)
 - [AN72390 - MIGRATING FROM CY14B101QX/CY14B512QX/CY14B256QX TO CY14B101QXA/CY14B512QXA/CY14B256QXA Aug 18, 2017](#)
 - [AN15979 - Soft Errors in nvSRAM Jul 21, 2017](#)
 - [AN55661 - Migrating from CY14B256L/STK14D88 to CY14B256LA Nov 23, 2015](#)
 - [AN55659 - Migrating from CY14B101L/STK14CA8 to CY14B101LA Nov 20, 2015](#)
- Show Less ▲

Product Change Notice (PCN) (1)

- [PCN135221 Oct 24, 2017](#)
Qualification of Copper Wire Bonds for select Lead Frame Products at Amko Philippines andn Cypress Philippines and transfer of PDIP and PLCC parts from MMT to Amkor

Advanced Product Change Notice (APCN) (4)

- [APCN200304 Jan 21, 2020](#)
- [APCN194901 Dec 04, 2019](#)
- [APCN192001 Jul 21, 2019](#)
- [APCN192901 Jul 21, 2019](#)

Product Information Notice (PIN) (4)

- [PIN195102 Jan 07, 2020](#)
- [PIN195102A Dec 21, 2019](#)
- [PIN145277 Nov 06, 2017](#)
Changes to Cypress Address Labels
- [PIN145273 Nov 06, 2017](#)
Improvement of Cypress Minnesota Back-End-of-Line Integration for 130nm SONOS Product Families

SOLUTIONS

Automotive

PRODUCTS

Wireless

DESIGN SUPPORT

Community

ABOUT US

Investors



Industrial
Consumer

Microcontrollers (MCUs)
Memory
Universal Serial Bus (USB)
Power Management
Touch Sensing
Clocks & Buffers

Videos
Quality & Reliability
Product Roadmaps

Careers

CORPORATE HEADQUARTERS

Cypress Semiconductor Corp.
198 Champion Court
San Jose, CA 95134 USA
Tel: +1-408-943-2600

CUSTOMER SERVICE SUPPORT

+1-800-541-4736
Hours:
8:00AM - 5:00PM (local time)
Create a MyCase
Cypress Developer Community

INTERNATIONAL SUPPORT

+1-408-943-2600
United States +1-800-541-4736
Hours:
4:30AM - 1:30PM (pacific time)
7:30PM - 4:30AM (standard time)

OTHER REQUESTS

Contact Us
Report a Website Problem
Report a Security Vulnerability

[ABOUT US](#) [CAREERS](#) [INVESTORS](#) [LEGAL](#)

© Cypress Semiconductor Corporation. All rights reserved.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [NVRAM](#) category:

Click to view products by [Cypress](#) manufacturer:

Other Similar products are found below :

[CY14MB064J2A-SXI](#) [CY14V101LA-BA45XI](#) [CY14B104LA-BA25XI](#) [CY14B104NA-BA25XI](#) [CY14B104LA-ZS45XI](#) [CY14MB064Q2A-SXQ](#) [145391G](#) [CY14B101PA-SFXIT](#) [CY14B116N-BZ25XI](#) [CY14V101LA-BA25XI](#) [CG7299AT](#) [5962-9232404MYA](#) [STK11C68-C35I](#) [ANV22A88ABK25 R](#) [ANV32A62ASK1 T](#) [ANV32A62WSK1 T](#) [ANV32AA1ADK66 T](#) [ANV32AA1WDK66 T](#) [ANV32AA3PBK108 R](#) [ANV32C91WSK66B T](#) [ANV32E61ASK66 T](#) [ANV32E61WSK66 T](#) [CY14B101LA-SZ25XIT](#) [CY14B101KA-SP45XI](#) [CY14B101KA-ZS25XI](#) [CY14B101LA-SP25XIT](#) [CY14B101LA-SP45XI](#) [CY14B101LA-ZS25XI](#) [CY14B101Q2A-SXI](#) [CY14B108K-ZS45XI](#) [CY14B256I-SFXI](#) [CY14B256KA-SP25XI](#) [CY14B256KA-SP45XI](#) [CY14B256LA-SP25XI](#) [CY14B256LA-ZS25XI](#) [CY14B256PA-SFXI](#) [CY14B104NA-BA25I](#) [DS1220AD-100+](#) [DS1220AD-120+](#) [DS1225AD-150+](#) [DS1225AD-70IND+](#) [DS1225AD-85+](#) [DS1230W-100+](#) [DS1230AB-85+](#) [DS1225AD-200+](#) [DS1230AB-100+](#) [DS1230AB-120+](#) [DS1230AB-70+](#) [DS1230W-150+](#) [DS1230Y-100+](#)