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Home › Products › Microcontroller (MCU) and Programmable System-on-Chip (PSoC®) Families › 32-bit Arm® Cortex® Microcontroller (MCU) Families › 32-bit Arm® Cortex®-M0 PSoC® 4 › PSoC® 4100 › CY8C4146AZA-S255T

CY8C4146AZA-S255T   ✓ RoHS   Pb

Status: In Production

Product Specs	Pricing & Inventory	Packaging/Ordering	Quality and RoHS	Technical Documents

CY8C4146AZA-S255T

Development Kit	CY8CKIT-149
Automotive Qualified	Y
Max. Operating Temp. (°C)	85
Max. Operating Voltage (V)	5.50
Min. Operating Temp. (°C)	-40
Min. Operating Voltage (V)	1.71
Tape & Reel	Y

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*
			Contact Sales		

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

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

PACKAGING/ORDERING

Package	TQFP
No. of Pins	64
Package Dimensions	393 L x 1.4 H x 393 W (Mils)
Package Weight	338.95 (mgs)
Package Cross Section Drawing	Download
Package Carrier	REEL
Standard Pack Quantity	1500
Minimum Order Quantity (MOQ)	1500
Order Increment	1500
Estimated Lead Time (days)	91
HTS Code	8542.31.0001
ECCN Suball	3A991.A.2

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	Pure Sn
Marking	Cypress Marking Format

IPC 1752 Material Declaration

IPC1752 MATERIAL DECLARATION TQFP64 (10X10 mm) (AZ64)_ASEK_Au WIRE_PURE Sn_HENKEL 8340_HITACHI CEL9200THF *Last Update: Oct 30, 2019*

Device Qualification Reports

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

QTP#183101: AUTOMOTIVE PSOC 4: PSoC4100S PLUS DEVICE FAMILY S8SPF-10P TECHNOLOGY, FAB 25 (CU BEOL INTERCONNECT).pdf *Last Update: Apr 15, 2019*

TECHNICAL DOCUMENTS

Application Notes (11)

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

AN84858 - PSoC®4 Programming Using an External Microcontroller (HSSP) Jan 19, 2020
AN87391 - PSoC® 4 Segment LCD Direct Drive Aug 25, 2019
AN86439 - PSoC® 4 - Using GPIO Pins Aug 23, 2019
AN88619 - PSOC 4 HARDWARE DESIGN CONSIDERATIONS Jun 06, 2019
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Cypress Semiconductor Corp.
198 Champion Court
San Jose, CA 95134 USA
Tel: +1-408-943-2600

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+1-800-541-4736
Hours:
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Cypress Developer Community

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