

## CY8C4125AZA-M443

Status: In Production

Product Specs	Pricing & Inventory	Packaging/Ordering	Quality and RoHS	Technical Documents	
<b>CY8C4125AZA-M443</b> Automotive Qualified Y CPU Core ARM Cortex-M0 CapSense Y Dedicated ADC (#Max Resolution @ Sample Rate) SAR (1, 12-bit @ 806 ksps) EEPROM (KB) 0 Flash (KB) 32 JTAG and Si ID 0x1180 LCD Direct Drive Y Max. Operating Frequency (MHz) 24 Max. Operating Temp. (°C) 85 Max. Operating Voltage (V) 5.50 Min. Operating Temp. (°C) -40 Min. Operating Voltage (V) 1.71 No. of CAN Controllers 0 No. of Continuous Time Blocks 1 No. of DMA Channels 8 No. of Dedicated Comparators 2 No. of Dedicated Timer/Counter/PWM Blocks 8 No. of GPIOs 38 No. of Op Amps 2 No. of SIO 0 No. of Serial Communication Blocks 4 No. of USB IO 0 No. of Universal Analog Blocks 0 No. of Universal Digital Blocks 0 PLL N SRAM (KB) 4 Series PSoC 4100M Tape & Reel N USB (Type) None			<b>DESIGN SUPPORT</b> Development Kits Forums Knowledge Base Packaging Product Brochures Quality & Reliability Samples Technical Support Technical Training Third Party Network (CYPros)		
<b>PRICING &amp; INVENTORY AVAILABILITY</b>			<b>TRAINING</b> Workshops Training On-Demand Webinars		
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	

### PRICING & INVENTORY AVAILABILITY

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

### PACKAGING/ORDERING

Package	TQFP
No. of Pins	44
Package Dimensions	275 L x 1.4 H x 275 W (Mils)
Package Cross Section Drawing	Download
Package Carrier	TRAY
Standard Pack Quantity	250
Minimum Order Quantity (MOQ)	250
Order Increment	250
Estimated Lead Time (days)	91
HTS Code	8542.31.0001
ECCN	(A.3)
ECCN Suball	3A991.A.3

### 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

#### Device Qualification Reports

FIT/MTBF, ESD (HBM/CDM) and Latch-up data available in the Device Qualification Report.  
 QTPM162707: AUTOMOTIVE PSoC 4100M and PSoC 4200M DEVICE FAMILY S8PFHD-10P, FAB25 (AL BEOL INTERCONNECT).pdf Last Update: Mar 06, 2019

### TECHNICAL DOCUMENTS

#### Application Notes (17)

- AN84858 - PSoC®4 Programming Using an External Microcontroller (HSSP) Jan 19, 2020
  - AN93637 - PSoC® 4 Sensorless Field-Oriented Control (FOC) Dec 30, 2019
  - AN82156 - PSoC® 3, PSoC 4, and PSoC 5LP - Designing PSoC Creator™ Components With UDB Datapaths Oct 02, 2019
  - AN82250 - PSoC Creator - Implementing Programmable Logic Designs with Verilog Sep 22, 2019
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#### CORPORATE HEADQUARTERS

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#### 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  
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