

CY8C4247AZ5-M483



Status: In Production

Product Specs	Pricing & Inventory	Packaging/Ordering	Quality and RoHS	Technical Documents
CY8C4247AZ5-M483				
Automotive Qualified	Y			
CPU Core		ARM Cortex-M0		
CapSense	Y			
Dedicated ADC (#Max Resolution @ Sample Rate)		SAR (1, 12-bit @ 1 msp/s)		
EEPROM (KB)	0			
Flash (KB)	128			
JTAG and SI ID		0x11E5		
LCD Direct Drive	Y			
Max. Operating Frequency (MHz)	48			
Max. Operating Temp. (°C)	105			
Max. Operating Voltage (V)	5.50			
Min. Operating Temp. (°C)	-40			
Min. Operating Voltage (V)	1.71			
No. of CAN Controllers	2			
No. of Continuous Time Blocks	2			
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	4			
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	4			
PLL	N			
SRAM (KB)	16			
Series		PSoC 4200M		
Tape & Reel	N			
USB (Type)	None			

- 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

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	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	(A3)
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.
 QTP#162707: AUTOMOTIVE PSoC 4100M and PSoC 4200M DEVICE FAMILY SBPHD-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 SLP - Designing PSoC Creator™ Components With UDB Datapaths Oct 02, 2019
 AN82250 - PSoC Creator - Implementing Programmable Logic Designs with Verilog Sep 22, 2019
[Show More](#)

SOLUTIONS

Automotive
 Industrial
 Consumer

PRODUCTS

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

DESIGN SUPPORT

Community
 Videos
 Quality & Reliability
 Product Roadmaps

ABOUT US

Investors
 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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [ARM Microcontrollers - MCU category](#):

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

Other Similar products are found below :

[R7FS3A77C2A01CLK#AC1](#) [MB96F119RBPMC-GSE1](#) [MB9BF122LPMC1-G-JNE2](#) [MB9BF122LPMC-G-JNE2](#) [MB9BF128SAPMC-GE2](#)
[MB9BF218TBGL-GE1](#) [MB9BF529TBGL-GE1](#) [26-21/R6C-AT1V2B/CT](#) [5962-8506403MQA](#) [MB9AF342MAPMC-G-JNE2](#)
[MB96F001YBPMC1-GSE1](#) [MB9BF121KPMC-G-JNE2](#) [VA10800-D000003PCA](#) [CP8547AT](#) [CY9AF156NPMC-G-JNE2](#)
[MB9BF104NAPMC-G-JNE1](#) [NHS3152UK/A1Z](#) [MK26FN2M0CAC18R](#) [EFM32TG230F32-D-QFN64](#) [EFM32TG232F32-D-QFP64](#)
[EFM32TG825F32-D-BGA48](#) [MB9AFB44NBBGL-GE1](#) [MB9BF304RBPMC-G-JNE2](#) [MB9BF416RPMC-G-JNE2](#) [MB9AF155MABGL-GE1](#)
[MB9BF306RBPMC-G-JNE2](#) [MB9BF618TBGL-GE1](#) [ATSAMS70N21A-CN](#) [LPC1754FBD80](#) [STM32F030K6T6TR](#) [AT91M42800A-33AU](#)
[ATSAM3N0AA-MU](#) [ATSAM3N0CA-CU](#) [ATSAM3SD8BA-MU](#) [ATSAM4LC2BA-UUR](#) [ATSAM4LS2AA-MU](#) [ADuC7023BCPZ62I-R7](#)
[ATSAM4LS4CA-CFU](#) [ADUCM3027BCPZ-R7](#) [ADUCM3027BCPZ-RL](#) [ADUCM3029BCPZ-R7](#) [LPC2141FBD64.151](#) [CEC1702Q-B1-SX](#)
[ADUC7020BCPZ62IRL7](#) [TMS5701114CZWTQQ1](#) [TM4C123AE6PMIR](#) [S6E2H14G0AGV20000](#) [ATSAMD20J15B-AU](#) [ATSAMD20J16B-](#)
[MN](#) [ATSAMV71N20B-CB](#)