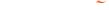


Q



SOLUTIONS PRODUCTS DESIGN SUPPORT BUY & SAMPLE ABOUT CYPRESS





Product Specs	Pricing & In	ventory	Packaging/Ordering	Quality and RoHS
CY8C4125AZA-M445T				
Automotive Qualified	Υ			
CPU Core	A	RM Cortex-M	0	
CapSense	Y			
Dedicated ADC (#Max Resolution Rate)	ı @ Sample Sı	AR (1, 12-bit @	9 806 ksps)	
EEPROM (KB)	0			
Flash (KB)	33	2		
JTAG and Si ID	0:	1181		
LCD Direct Drive	Y			
Max. Operating Frequency (MHz) 24	1		
Max. Operating Temp. (°C)	85	5		
Max. Operating Voltage (V)	5.	50		
Min. Operating Temp. (°C)	-4	0		
Min. Operating Voltage (V)	1.	71		
No. of CAN Controllers	0			
No. of Continuous Time Blocks				
No. of DMA Channels	8	8		
No. of Dedicated Comparators	2			
No. of Dedicated Timer/Counter/PWM Blocks				
No. of GPIOs	51	ı		
No. of Op Amps	2			
No. of SIO	0			
No. of Serial Communication Blo	cks 4			
No. of USB IO	0			
No. of Universal Analog Blocks	0			
No. of Universal Digital Blocks				
PLL	N			
SRAM (KB)	4			
Series		SoC 4100M		
Tape & Reel	Υ			
USB (Type)	N	one		

Technical Documents
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

PACKAGING/ORDERING		
Package	TQFP	
No. of Pins	44	
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	(A.3)	
ECCN Suball	3A991	

CCN Subali 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 TQFP64 (10X10 mm) (AZ64)_ASEK_Au WIRE_PURE Sn_HENKEL 8340_HITACHI CEL9200THF Last Update: Oct 30, 2019	

Device Qualification Reports DEVICE Qualification Reports

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

OTP8162707-ALTOMOTIVE PSoC 4100M and PSoC 4200M DEVICE FAMILY S8PFHD-10P, FAB25 (AL BEOL INTERCONNECT), pdf Last Update: Mar 06, 2019

TECHNICAL DOCUMENTS

Application Notes (17)

ABABBAS - PSGCRB Programming Using an External Microcontroller (PSSP) Jan 19, 2020

ABBBAS - PSGCRB Footness Field-Onlersed Control (FOC) Dec 20, 2019

ABB2156 - PSGCRB 1, PSGC 4, and PSGC SLP - Designing PSGC Creator** Components With UDB Datapaths Oct 02, 2019

ABB2256 - PSGCRB 1, PSGC 4, and PSGC SLP - Designing PSGC Creator** Components With UDB Datapaths Oct 02, 2019

ABB2256 - PSGCRB 1, PSGC 4, and PSGC SLP - Designing PSGC Creator** Components With UDB Datapaths Oct 02, 2019

ABB2256 - PSGCRB 1, PSGC 4, and PSGC SLP - Designing PSGC Creator** Components With UDB Datapaths Oct 02, 2019

ABB2256 - PSGCRB 1, PSGC 4, and PSGC SLP - Designing PSGC Creator** Components With UDB Datapaths Oct 02, 2019

ABB2256 - PSGCRB 1, PSGCRB 1,

SOLUTIONS Automotive Industrial Consumer

Wireless

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Clocks & Buffers

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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

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