

CY8C4247LWA-M464T



Status: **In Production**

Product Specs	Pricing & Inventory	Packaging/Ordering	Quality and RoHS	Technical Documents	
CY8C4247LWA-M464T				DESIGN SUPPORT	
Automotive Qualified	Y			Development Kits	
CPU Core	ARM Cortex-M0			Forums	
CapSense	Y			Knowledge Base	
Dedicated ADC (#Max Resolution @ Sample Rate)	SAR (1, 12-bit @ 1 msp/s)			Packaging	
EEPROM (KB)	0			Product Brochures	
Flash (KB)	128			Quality & Reliability	
JTAG and SI ID	0x11A7			Samples	
LCD Direct Drive	Y			Technical Support	
Max. Operating Frequency (MHz)	48			Technical Training	
Max. Operating Temp. (°C)	85			Third Party Network (CYPros)	
Max. Operating Voltage (V)	5.50				
Min. Operating Temp. (°C)	-40				
Min. Operating Voltage (V)	1.71				
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	48				
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	4200M				
Tape & Reel	Y				
USB (Type)	None				
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	QFN				
No. of Pins	56				
Package Dimensions	315 L x 39.4 H x 314 W (Mils)				
Package Cross Section Drawing	Download				
Package Carrier	REEL				
Standard Pack Quantity	2000				
Minimum Order Quantity (MOQ)	2000				
Order Increment	2000				
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.					
QTP#162707: AUTOMOTIVE PSoC 4100M and PSoC 4200M DEVICE FAMILY S8PFHD-10P, FAB25 (AL BEOL INTERCONNECT).pdf <i>Last Update: Mar 06, 2019</i>					
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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