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CY7C68023-56LTXCT

✓RoHS (Pb) lead-free

Status: **In Production**

Datasheet

📄
English

File Type: PDF   Updated: Sep 27, 2017

Product Specs		Packaging/Ordering	Quality and RoHS	Technical Documents

CY7C68023-56LTXCT

Development Kit	CY3685
Application	USB High-Speed Peripherals NAND Controller
Automotive Qualified	N
CPU Core	N/A
Data Transfers	Bulk, Interrupt, Isochronous
I/O Options	NAND, LED
Max. Operating Temp. (°C)	70
Max. Operating Voltage (V)	3.60
Memory Architecture	N/A
Memory Size (KB)	0
Min. Operating Temp. (°C)	0
Min. Operating Voltage (V)	3.00
No. of Endpoints	7
No. of I/Os	35
Software Tools	EZ-USB NX2LP Programming Utility
Tape & Reel	Y

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 1 H x 315 W (Mils)
Package Cross Section Drawing	Download
Package Carrier	REEL
Package Carrier Drawing / Orientation	Reel Drawing , Tape Drawing , Package Orientation
Standard Pack Quantity	2000
Minimum Order Quantity (MOQ)	2000
Order Increment	2000
Estimated Lead Time (days)	56
HTS Code	8542.31.0001
ECCN	(A.3)
ECCN Suball	3A991

QUALITY AND ROHS

DESIGN SUPPORT

Development Kits

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Packaging

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Samples

Technical Support

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Third Party Network (CYPros)

TRAINING

Workshops

Training On-Demand

Webinars

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

Package Material Declaration

056L-QFN PB-FREE PMDD *Last Update: Dec 08, 2016*

IPC 1752 Material Declaration

IPC1752 MATERIAL DECLARATION QFN 56 (8 X 8 MM) (LT56) - AMKOR-ANAM PHIL - AU WIRE *Last Update: May 17, 2018*

IPC1752 MATERIAL DECLARATION QFN 56 (8 X 8 MM) (LT56) - CML - AU WIRE *Last Update: Nov 28, 2017*

IPC1752 MATERIAL DECLARATION QFN 56 (8 X 8 MM) (LT56) - ASE-SHANGHAI - AU WIRE *Last Update: Oct 20, 2016*

IPC1752 MATERIAL DECLARATION QFN 56 (8 X 8 MM) (LT56) - ASE TAIWAN - AU WIRE *Last Update: Oct 20, 2016*

RoHS Analysis Certificates (CoA) for Direct Materials

Please click here

Package Qualification Report

QTP 84005 56 QFN and 68 QFN Saw Type (8 x 8 x 1mm) NiPdAu-Ag, MSL3, 260C Reflow ASE-Shanghai.pdf *Last Update: Dec 22, 2015*

Qtp 92006 56-lead Saw Qfn (quad Flat No-lead) (8 X 8 X 1.0mm) Nipdau, Msl3, 260°c Reflow, Cml-ra.pdf *Last Update: Aug 07, 2015*

QTP 94101 56-Lead QFN (Quad Flat No-Lead) (8 x 8 x 1.0 mm) NiPdAu-Ag, MSL3, 260C Reflow, Amkor- Philippines (MB).pdf *Last Update: Aug 07, 2015*

Device Qualification Reports

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

QTP 044503.pdf *Last Update: Sep 15, 2016*

TECHNICAL DOCUMENTS

Application Notes (3)

AN64408 - Getting Started with NX2LP-Flex™ Jul 19, 2018

AN42499 - Debugging EZ-USB FX1/FX2LP Firmware Using the Keil Debugger Environment Apr 01, 2018

AN1193 - Using Timer Interrupt In Cypress EZ-USB® FX2LP™ Based Applications Nov 28, 2017

Product Information Notice (PIN) (3)

PIN145299 Nov 06, 2017
Addendum to PIN145281: Qualification of New Carrier Tape Supplier at Cypress Philippines

PIN145281 Nov 06, 2017
Qualification of New Carrier Tape Supplier at Cypress Philippines

PIN145277 Nov 06, 2017
Changes to Cypress Address Labels

Code Examples (1)

USB Hi-Speed Code Examples Mar 29, 2016

Feedback

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	Clocks & Buffers	

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Create a MyCase
Cypress Developer Community

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Hours:
4:30AM - 1:30PM (pacific time)
7:30PM - 4:30AM (standard time)

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