

CY7C68023-56LTXCT Status: In Production

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CY7C68023-56LTXCT

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

Pricing & Inventory Availability

1-10 unit Price*	11-100 unit Price*	101-1000 unit Price*	1001 + unit Price*

Availability	Quantity	Ships In	Order Now

* Prices are shown in United States dollars and are for budgetary use only.

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	Tape Drawing , Reel Drawing , Package Orientation
Standard Pack Quantity	2000
Minimum Order Quantity (MOQ)	2000
Order Increment	2000
Estimated Lead Time (days)	42
HTS Code	8542.31.0000
ECCN	3A991

ECCN Suball	(A.3)
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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

Package Material Declaration

[056L-QFN 001-04327](#) Last Update: 07/16/2012

IPC 1752 Material Declaration

[IPC-1752-2_V1.1A_QFN56_8X8MM_AMKOR-ANAM PHIL_LT](#) Last Update: 07/05/2012

[IPC-1752-2_V1.1A_QFN56_8X8MM_ASE-SHANGHAI_LT](#) Last Update: 07/04/2012

[IPC-1752-2_V1.1A_QFN56_8X8MM_ASE-TAIWAN_LT](#) Last Update: 07/04/2012

[IPC-1752-2_V1.1A_QFN56_8X8MM_CML_LT](#) Last Update: 07/04/2012

RoHS Analysis Certificates (CoA)

[PACKAGE ROHS ANALYSIS REPORT - QFN \(LT32B,40A,48B,56,56B,68\) USING MOLD COMPOUND GE7470LA, ADHESIVE](#)

[QMI519, NIPDAU - CML ASSEMBLYCML](#) Last Update: 07/04/2012

[QFN - LQ24 - 001-79754](#) Last Update: 06/28/2012

[LT56B - 001-79781](#) Last Update: 06/28/2012

[PACKAGE ROHS ANALYSIS REPORT - QFN \(LT32B,40A,56,68\) USING MOLD COMPOUND G700L, ADHESIVE EN4900G,](#)

[NIPDAU-AG - ASE TAIWAN ASSEMBLY](#) Last Update: 07/04/2012

RoHS Analysis Certificates (CoA) for Direct Materials

Please click [here](#)

Technical Documents

Application Notes (5)

[AN58986 - NAND Flash Page Reader for NX2LP Based Mass Storage Devices](#) Last Update: 15/02/2013

[AN64408 - Getting Started with NX2LP-Flex\(TM\)](#) Last Update: 08/08/2012

[AN1193 - Using Timer Interrupt in Cypress EZ-USB® FX2LP™ Based Applications](#) Last Update: 23/07/2012

[NX2LP-Flex™ USB to NAND Flash Firmware Design Notes - AN61347](#) Last Update: 10/03/2011

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Product Information Notice (PIN) (1)

[PIN135200](#) Last Update: 21/03/2013

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