

Full Speed/High Speed USB Interface Device USB 2.0 3.3V Tray 56-Pin QFN EP



Images are for reference only

Manufacturer: [Infineon Technologies Corporation](#)

Package/Case: QFN

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Obsolete

[Inquiry](#)

General Description

The EZ-USB SX2™ USB interface device is designed to work with any external master, such as standard microprocessors, DSPs, ASICs, and FPGAs to enable USB 2.0 support for any peripheral design. SX2 has a built in USB transceiver and Serial Interface Engine (SIE), along with a command decoder for sending and receiving USB data. The controller has four endpoints that share a 4 KB FIFO space for maximum flexibility and throughput, and Control Endpoint 0. SX2 has three address pins and a selectable 8- or 16- bit data bus for command and data input or output.

Applications

- DSL modems
- ATA interface
- Memory card readers
- Legacy conversion devices
- Cameras
- Scanners
- Home PNA
- Wireless LAN
- MP3 players
- Networking
- Printers

Figure 8-1. CY7C68001 56-Pin SSOP Pin Assignment^[7]

| | | | |
|----|----------|------------|----|
| 1 | FD13 | FD12 | 56 |
| 2 | FD14 | FD11 | 55 |
| 3 | FD15 | FD10 | 54 |
| 4 | GND | FD9 | 53 |
| 5 | NC | FD8 | 52 |
| 6 | VCC | *WAKEUP | 51 |
| 7 | GND | VCC | 50 |
| 8 | *SLRD | RESET# | 49 |
| 9 | *SLWR | GND | 48 |
| 10 | AVCC | *FLAGD/CS# | 47 |
| 11 | XTALOUT | *PKTEND | 46 |
| 12 | XTALIN | FIFOADR1 | 45 |
| 13 | AGND | FIFOADR0 | 44 |
| 14 | VCC | FIFOADR2 | 43 |
| 15 | DPLUS | *SLOE | 42 |
| 16 | DMINUS | INT# | 41 |
| 17 | GND | READY | 40 |
| 18 | VCC | VCC | 39 |
| 19 | GND | *FLAGC | 38 |
| 20 | *IFCLK | *FLAGB | 37 |
| 21 | RESERVED | *FLAGA | 36 |
| 22 | SCL | GND | 35 |
| 23 | SDA | VCC | 34 |
| 24 | VCC | GND | 33 |
| 25 | FD0 | FD7 | 32 |
| 26 | FD1 | FD6 | 31 |
| 27 | FD2 | FD5 | 30 |
| 28 | FD3 | FD4 | 29 |

Recommended For You

CY7C63723C-SXC

Infineon Technologies Corporation

SOP18

CY7C9689A-AXC

Infineon Technologies Corporation

QFP100

CY7C68300C-56PVXC

Infineon Technologies Corporation

SSOP56

CY7C67200-48BAXI

Infineon Technologies Corporation

BGA

CY7C68013A-100AXC

Infineon Technologies Corporation

QFP100

CY7C68013A-56PVXC

Infineon Technologies Corporation

SSOP56

CY7C68013A-56PVXI

Infineon Technologies Corporation

SSOP56

CY7C68013A-100AXI

Infineon Technologies Corporation

TQFP100

CY7C68013A-56BAXC

Infineon Technologies Corporation

BGA-56

CY7C68013A-128AXC

Infineon Technologies Corporation

TQFP-128

CY7C68013A-128AXI

Infineon Technologies Corporation

QFP

CY7C64225-28PVXC

Infineon Technologies Corporation

SSOP

CYUSB3065-BZXI

Infineon Technologies Corporation

BGA

CYUSB2014-BZXC

Infineon Technologies Corporation

BGA

CY7C63813-PXC

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DIP-18L