

CYPRESS HOTlink, PProC and Development Kits



This product is RoHS compliant.



CY7B923 HOTLINK

The CY7B923 HOTLink Transmitter and CY7B933 HOTLink Receiver are point-to-point communications building blocks that transfer data over high-speed serial links (fiber, coax, and twisted pair). Standard HOTLink data rates range from 160-330 Mb/second. Higher speed HOTLink is also available for high speed applications (160-400 Mb/second), as well as for those low-cost applications HOTLink-155 (150-160 Mb/second operations).

Features:

- Fibre-Channel compliant
- IBM ESCON compliant
- DVB-ASI compliant
- ATM compliant
- B/10B coded or 10-bit unencoded
- Standard HOTLink: 160-330Mbps
- High-speed HOTLink 160-400 Mbps for high speed applications
- Low-speed HOTLink: 150-160Mbps for low-cost fiber

Applications:

- TTL synchronous I/O
- No external phase-locked-loop (PLL) components
- Triple PECL 100K serial outputs
- Dual PECL 100K serial inputs
- Low power: 350mW (Tx), 650mW (Rx)

- Compatible w/ fiber optic modules, coaxial cable, & twisted pair media
- Built-In Self-Test
- Single +5V supply
- 28-pin SOIC/ PLCC/LCC
- 0.8 BICMOS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Description	Price Each		
				1	25	50
727-CY7B923-JXC	CY7B923-JXC	28-PLCC	Transmitter, Standard Speed	67.44	50.58	48.90
727-CY7B923-SXC	CY7B923-SXC	28-SOIC	Transmitter, Standard Speed	67.44	50.58	48.90
727-CY7B933-JXC	CY7B933-JXC	28-PLCC	Receiver, Standard Speed	67.44	50.58	48.90
727-CY7B933-SXC	CY7B933-SXC	28-SOIC	Receiver, Standard Speed	67.44	50.58	48.90

PProC™ (PROGRAMMABLE RADIO ON CHIP)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Max. Range (Meters)	Throughput (kbps)	USB	Price Each		
						1	25	50
727-CYRF69103-40LFXC	CYRF69103-40LFXC	QFN-40	10	1Mbps	No	6.16	4.93	4.40
727-CYRF69213-40LFXC	CYRF69213-40LFXC	QFN-40	10	1Mbps	Yes	4.77	3.83	3.70

CORE KITS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3210-MINIPROG1	CY3210-MINIPROG1	PSoC ISSP Programmer For Prototyping Eval Board with LCD Module + Mini Prog Unit CapSense Sigma-Delta (CSD) Training Kit PSoC DevKit (ICE-Cube) with PDIP-28 Pod	53.75
727-CY3210-PSOCEVAL1	CY3210-PSOCEVAL1		123.75
727-CY3213A-CAPSENSE	CY3213A-CAPSENSE		91.63
727-CY3215-DK	CY3215-DK		399.00

SPECIALTY KITS



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3207ISSP	CY3207ISSP	PSoC ISSP Programmer For Production Evaluation Board with LCD Module + Mini Prog Unit	498.05
727-CY3214PSOCEVALUSB	CY3214-PSOCEVALUSB		167.60
727-CY3235-PROXDET	CY3235-PROXDET	CapSense Proximity Detection Demonstration	132.01
727-CY3236APIRMOTION	CY3236A-PIRMOTION	Pyroelectric Infrared (PIR) Motion Detection Evaluation Kit (EVK)	229.58
727-CY3240-I2USB	CY3240-I2USB	I2C-USB Bridge	118.68
727-CY3242-IOX	CY3242-IOX	I2C Port Expander Evaluation Kit	689.94
727-CY3267	CY3267	PowerPSoC Lighting Evaluation Kit	187.50
727-CY3268	CY3268	PowerPSoC Lighting Starter Kit	63.00
727-CY3270	CY3270	PSoC First Touch Starter Kit	33.61
727-CY3271	CY3271	PSoC First Touch Kit with CYFI	133.17
727-CY3271-EXP1	CY3271-EXP1	PSoC First Touch Kit with CYFI & Expansion Board	131.93
727-CY3269N	CY3269N	Lighting Starter Demonstration Kit	39.21
727-CY3670	CY3670	FTG Development Kit-EPROM Clocks	445.62
727-CY3675CLKMKR1	CY3675-CLKMKR1	CyClockMaker Programming Kit	268.00
727-CY3280-20X66	CY3280-20X66	Universal CapSense Controller Kit	260.00
727-CY3280-SRM	CY3280-SRM	Radial Slider Module Capsense	99.00
727-CY3280-SLM	CY3280-SLM	Linear Slider Module Capsense	99.00
727-CY3280-BSM	CY3280-BSM	Simple Button Module Capsense	99.00
727-CY3280-BBM	CY3280-BBM	Breadboard Module Prototyping kit	99.00
727-CY3280-BMM	CY3280-BMM	Matrixed Button Module	99.00
727-CY8CKIT-001	CY8CKIT-001	PSoC Development Kit	233.43
727-CY8CKIT-002	CY8CKIT-002	MiniProg3 Programmer	90.00
727-CY8CKIT-003	CY8CKIT-003	First Touch Kit	49.99
727-CY8CKIT-006	CY8CKIT-006	PSoC 3 LCD Segment Drive Eval Kit	149.00
727-CY8CKIT-007	CY8CKIT-007	Precision Analog Voltmeter Demo Kit	105.30
727-CY8CKIT-008	CY8CKIT-008	Hydra Module	61.25
727-CY8CKIT-009	CY8CKIT-009	Leopard Module	61.25
727-CY8CKIT-029	CY8CKIT-029	PSoC 3 LCD Segment Drive Expansion Board	59.00

ACCESSORY KITS

727-CY3210-21X23	CY3210-21X23	PSoC CY8C21X23 Evaluation Pod	153.75
727-CY3210-29X66	CY3210-29X66	PSoC CY8C29X66 Evaluation Pod	153.75
727-CY3250-16SOIC-FK	CY3250-16SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 16 pin SOIC	109.00
727-CY3250-20SOIC-FK	CY3250-20SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 20 pin SOIC	109.00
727-CY3250-20SSOP-FK	CY3250-20SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 20 pin SSOP	100.00
727-CY3250-21X23	CY3250-21X23	PSoC CY8C21X24 Non-QFN Package Emulation Kit	367.26
727-CY3250-21X34-POD	CY3250-21X34-POD	2 Replacement Pods for CY3250-21X34 Emulation Kit	208.54
727-CY3250-24X23AQFN	CY3250-24X23AQFN	PSoC CY8C24X23AQFN Emulation Kit	198.99
727-CY325024X23AQFPD	CY3250-24X23AQFN-POD	2 Replacement Pods for CY3250-24X23AQFN Emulation Kit	241.03
727-CY3250-24X94QFN	CY3250-24X94QFN	PSoC CY8C24X94QFN Emulation Kit	343.27
727-CY325024X94QFNPD	CY3250-24X94QFN-POD	2 Replacement Pods for CY3250-24X94QFN Emulation kit	301.97
727-CY3250-27XXX	CY3250-27XXX	PSoC CY8C27X43 Non-QFN Package Emulation Kit	367.26
727-CY3250-27XXX-POD	CY3250-27XXX-POD	2 Replacement Pods for CY3250-27XXX Emulation Kit	199.97
727-CY3250-27XXXQFN	CY3250-27XXXQFN	PSoC CY8C27X43QFN Emulation Kit	367.26
727-CY3250-28PDIP-FK	CY3250-28PDIP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin DIP	100.34
727-CY3250-28SOIC-FK	CY3250-28SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin SOIC	100.34
727-CY3250-28SSOP-FK	CY3250-28SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin SSOP	100.34
727-CY3250-29XXX	CY3250-29XXX	PSoC CY8C29XXX Non-QFN Package Emulation Kit	367.26
727-CY325029XXXQFNPD	CY3250-29XXXQFN-POD	2 Replacement Pods for CY3250-29XXXQFN Emulation Kit	231.17
727-CY3250-44TQFP-FK	CY3250-44TQFP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 44 pin TQFP	115.14
727-CY3250-48QFN-FK	CY3250-48QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 48 pin QFN	265.60
727-CY3250-48SSOP-FK	CY3250-48SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 48 pin SSOP	99.99
727-CY3250-56QFN-FK	CY3250-56QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 56 pin QFN	323.96
727-CY3250-FLEXCABLE	CY3250-FLEXCABLE	1 Replacement Flexcable for CY3250 Emulation Kit	166.33