

CYPRESS PSoC MCUs

RoHS Compliant This product is RoHS compliant.



MCU / MPU / DSP
Cypress

PSoC® MIXED-SIGNAL ARRAYS

PSoC® 1 - M8C PROGRAMMABLE SYSTEM-ON-CHIP

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	I/O	Analog Block	Digital Blocks	Memory Size (KB)	RAM (bytes)	Vcc (V)	Price Each			
									1	25	50	
PSoC CY8C21x23												
727-CY8C21123-24SXI	CY8C21123-24SXI	SOIC-8	6	4 Type "E"	2-Basic 2-Comms	4	256	2.4 to 5.25	1.71	1.08	1.01	
727-CY8C21223-24LXGI	CY8C21223-24LXGI	QFN-16	12	4 Type "E"	2-Basic 2-Comms	4	256	2.4 to 5.25	1.70	1.53	1.44	
727-CY8C21223-24SXI	CY8C21223-24SXI	SOIC-16	12	4 Type "E"	2-Basic 2-Comms	4	256	2.4 to 5.25	2.28	1.38	1.28	
727-CY8C21323-24PVXI	CY8C21323-24PVXI	SSOP-20	16	4 Type "E"	2-Basic 2-Comms	4	256	2.4 to 5.25	1.58	1.30	1.20	
PSoC CY8C21x34												
727-CY8C21234-24SXI	CY8C21234-24SXI	SOIC-16	12	4 Type "E"	2-Basic 2-Comms	8	512	2.4 to 5.25	2.82	2.19	1.98	
727-CY8C21334-24PVXI	CY8C21334-24PVXI	SSOP-20	16	4 Type "E"	2-Basic 2-Comms	8	512	2.4 to 5.25	3.04	2.34	2.15	
727-CY8C21434-24LTXI	CY8C21434-24LTXI	QFN-28	28	4 Type "E"	2-Basic 2-Comms	8	512	2.4 to 5.25	3.67	2.94	2.69	
727-CY8C21534-24PVXI	CY8C21534-24PVXI	SSOP-28	24	4 Type "E"	2-Basic 2-Comms	8	512	2.4 to 5.25	3.12	2.40	2.19	
727-CY8C21634-24LTXI	CY8C21634-24LTXI	QFN-32	26	4 Type "E"	2-Basic 2-Comms	8	512	2.4 to 5.25	3.54	3.19	2.99	
727-CY8C20636A24LTXI	CY8C20636A-24LTXI	QFN-48	36	36	36	8	1K	1.71 to 5.5	3.44	2.75	2.44	
727-CY8C246A24LTXI	CY8C246A-24LTXI	QFN-48	36	36	36	16	2K	1.71 to 5.5	4.43	3.54	3.14	
727-CY8C20666A24LTXI	CY8C20666A-24LTXI	QFN-48	36	36	36	32	2K	1.71 to 5.5	5.32	4.12	3.70	
727-CY8C20066A24LTXI	CY8C20066A-24LTXI	QFN-48	36	36	36	32	2K	1.71 to 5.5	5.32	4.12	3.69	
PSoC CY8C22xxx/CY8C21x45												
727-CY8C22345-24SXI	CY8C22345-24SXI	SOIC-28	24	6 Type "E"	4-Basic 4-Comms	16	1K	3.0 to 5.25	4.94	4.45	3.98	
PSoC CY8C23x33												
727-CY8C24994-24LTXI	CY8C24994-24LTXI	QFN-68	56	6	4	16	1K	3.0 to 5.25	7.10	5.68	5.05	
PSoC CY8C24x23A												
727-CY8C24123A-24PXI	CY8C24123A-24PXI	PDIP-8	6	6:2-CT 4-SC	2-Basic 2-Comms	4	256	2.4 to 5.25	2.70	2.47	2.42	
727-CY8C24123A-24SXI	CY8C24123A-24SXI	SOIC-8	6	6:2-CT 4-SC	2-Basic 2-Comms	4	256	2.4 to 5.25	2.45	2.12	2.00	
727-CY8C24223A-24PXI	CY8C24223A-24PXI	PDIP-20	16	6:2-CT 4-SC	2-Basic 2-Comms	4	256	2.4 to 5.25	3.50	3.00	2.82	
727-CY8C24423A24LTXI	CY8C24423A-24LTXI	QFN-32	24	6:2-CT 4-SC	2-Basic 2-Comms	4	256	3.0 to 5.25	3.32	2.99	2.81	
PSoC CY8C24x94												
727-CY8C2489424LTXI	CY8C24894-24LTXI	QFN-56	49	6:2-CT 4-SC	2-Basic 2-Comms	16	1K	3.0 to 5.25	6.22	5.35	5.18	
PSoC CY8X27x43												
727-CY8C27143-24PXI	CY8C27143-24PXI	PDIP-8	6	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	5.50	4.77	4.69	
727-CY8C27243-24PVXI	CY8C27243-24PVXI	SSOP-20	16	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	7.00	6.00	5.91	
727-CY8C27243-24SXI	CY8C27243-24SXI	SOIC-20	16	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	5.95	5.10	4.98	
727-CY8C27443-24PVXI	CY8C27443-24PVXI	SSOP-28	24	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	7.22	6.20	6.09	
727-CY8C27443-24PXI	CY8C27443-24PXI	PDIP-28	24	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	7.15	4.26	3.98	
727-CY8C27443-24SXI	CY8C27443-24SXI	SOIC-28	24	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	6.87	4.10	3.83	
727-CY8C27543-24AXI	CY8C27543-24AXI	TQFP-44	40	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	7.60	6.60	6.20	
727-CY8C27643-24PVXI	CY8C27643-24PVXI	SSOP-48	44	12:4-CT 8-SC	4-Basic 4-Comms	16	256	3.0 to 5.25	7.30	4.36	4.09	
PSoC CY8X28xxx												
727-CY8C2843324PVXI	CY8C28433-24PVXI	SSOP-28	24	10	12	16	1K	3.0 to 5.25	5.50	3.28	3.08	
727-CY8C2862324LTXI	CY8C28623-24LTXI	QFN-48	44	6	12	16	1K	3.0 to 5.25	6.25	3.73	3.50	
PSoC CY8C29x66												
727-CY8C29466-24PVXI	CY8C29466-24PVXI	SSOP-28	24	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	9.12	5.71	5.20	
727-CY8C29466-24PXI	CY8C29466-24PXI	PDIP-28	24	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	10.50	6.28	5.98	
727-CY8C29466-24SXI	CY8C29466-24SXI	SOIC-28	24	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	8.23	5.70	5.25	
727-CY8C29566-24AXI	CY8C29566-24AXI	TQFP-44	40	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	10.38	6.20	5.77	
727-CY8C29666-24LTXI	CY8C29666-24LTXI	QFN-48	44	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	8.50	6.79	6.26	
727-CY8C2966624PVXI	CY8C29666-24PVXI	SSOP-48	44	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	10.25	6.12	5.79	
727-CY8C2986624AXI	CY8C29866-24AXI	TQFP-100	64	12:4-CT 8-SC	8-Basic 8-Comms	32	2K	3.0 to 5.25	10.75	6.43	6.05	

PSoC CY8C95xx Series I/O Expanders

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	I/O	Max Operating Freq. (MHz)	Operating Temperature (C°)	EEPROM (bytes)	PWM Sources	Vcc (V)	Price Each		
									1	25	50
727-CY8C9520A-24PVXI	CY8C9520A-24PVXI	SSOP-28	20	24	-40 to +85	3K	4	3.0 to 5.25	2.80	2.52	2.37
727-CY8C9560A-24AXI	CY8C9560A-24AXI	TQFP-100	60	24	-40 to +85	3K	16	3.0 to 5.25	5.70	5.13	4.82

PSoC® 3 - 8051 PROGRAMMABLE SYSTEM-ON-CHIP



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Flash (KB)	SRAM (bytes)	EEPROM (bytes)	Analog	Digital	GPIO	Price Each			
									1	25	50	
PSoC CY8C32xxx												
727-CY8C3244LTI-123	CY8C3244LTI-123	QFN-48	16	2K	0.5K	ADC, DAC, 2xComp, CapSense	16xUDB, 4xTimer/PWM	25	6.25	5.20	4.75	
727-CY8C3244AXI-153	CY8C3244AXI-153	TQFP-100	16	2K	0.5K	ADC, DAC, 2xComp, CapSense	16xUDB, 4xTimer/PWM	62	6.64	5.54	5.32	
727-CY8C3244LTI-130	CY8C3244LTI-130	QFN-68	16	2K	0.5K	ADC, DAC, 2xComp	16xUDB, 4xTimer/PWM	38	7.45	6.11	5.81	
727-CY8C3245AXI-158	CY8C3245AXI-158	TQFP-100	32	4K	1K	ADC, DAC, 2xComp, CapSense	20xUDB, 4xTimer/PWM	62	7.54	6.33	5.47	
727-CY8C3245AXI-166	CY8C3245AXI-166	TQFP-100	32	4K	1K	ADC, DAC, 2xComp, CapSense	20xUDB, 4xTimer/PWM	62	11.75	10.14	9.87	
727-CY8C3245LTI-139	CY8C3245LTI-139	QFN-48	32	4K	1K	ADC, DAC, 2xComp, CapSense	20xUDB, 4xTimer/PWM	25	5.88	5.47	5.25	
727-CY8C3245PVI-134	CY8C3245PVI-134	QFN-68	32	4K	1K	ADC, DAC, 2xComp, CapSense	20xUDB, 4xTimer/PWM	25	6.78	6.05	5.85	
727-CY8C3245LTI-144	CY8C3245LTI-144	QFN-48	32	4K	1K	ADC, DAC, 2xComp, CapSense	20xUDB, 4xTimer/PWM	25	10.06	8.86	8.47	
727-CY8C3245LTI-163	CY8C3245LTI-163	QFN-68	32	4K	1K	ADC, DAC, 2xComp, CapSense	20xUDB, 4xTimer/PWM	38	5.88	5.47	5.25	
727-CY8C3246AXI-138	CY8C3246AXI-138	TQFP-100	64	8K	2K	ADC, DAC, 2xComp, LCD Seg Drive	24xUDB, 4xTimer/PWM, FS USB	62	14.56	12.25	11.75	
727-CY8C3246PVI-147	CY8C3246PVI-147	SSOP-48	64	8K	2K	ADC, DAC, 2xComp, CapSense	24xUDB, 4xTimer/PWM	25	10.22	8.67	8.37	
727-CY8C3246LTI-125	CY8C3246LTI-125	QFN-48	64	8K	2K	ADC, DAC, 2xComp, CapSense, LCD Seg Drive	24xUDB, 4xTimer/PWM, FS USB	38	11.66	10.52	9.91	
727-CY8C3246LTI-128	CY8C3246LTI-128	QFN-68	64	8K	2K	ADC, DAC, 2x Comp, CapSense	24xUDB, 4xTimer/PWM, FS USB	48	12.24	11.04	10.40	
727-CY8C3246LTI-149	CY8C3246LTI-149	QFN-68	64	8K	2K	ADC, DAC, 2xComp, CapSense	24xUDB, 4xTimer/PWM	38	9.56	8.62	8.11	
PSoC CY8C34xxx												
727-CY8C3444LTI-110	CY8C3444LTI-110	QFN-68	16	2K	0.5K	ADC, DAC, 4xComp, CapSense	20xUDB, 4xTimer/PWM	38	9.40	8.46	7.95	
727-CY8C3445AXI-104	CY8C3445AXI-104	TQFP-100	32	2K	1K	ADC, DAC, 4xComp, CapSense	20xUDB, 4xTimer/PWM	62	12.15	10.70	10.17	
727-CY8C3446LTI-073	CY8C3446LTI-073	QFN-48	64	8K	2K	ADC, 2xDAC, 4xComp, 2xSC/CT, CapSense	24xUDB, 4xTimer/PWM, FS USB	25	16.72	14.05	13.48	
727-CY8C3446PVI-076	CY8C3446PVI-076	SSOP-48	64	8K	2K	ADC, 2xDAC, 4xComp, LCD, 2xSC/CT, CapSense	24xUDB, 4xTimer/PWM, FS USB	25	16.61	13.97	13.40	
727-CY8C3446LTI-085	CY8C3446LTI-085	QFN-68	64	8K	2K	ADC, 2xDAC, 4xComp, LCD, 2xSC/CT, CapSense	24xUDB, 4xTimer/PWM, FS USB	38	17.25	14.50	13.91	
727-CY8C3446AXI-099	CY8C3446AXI-099	TQFP-100	64	8K	2K	ADC, 2xDAC, 4xComp, LCD, 2xSC/CT, CapSense	24xUDB, 4xTimer/PWM, FS USB	62	18.46	15.52	14.89	
PSoC CY8C36xxx												
727-CY8C3665PVI-008	CY8C3665PVI-008	SSOP-48	32	4K	1K	ADC, 4xDAC, 4xComp, DFB, CapSense	20xUDB, 4xTimer/PWM, USB	25	16.44	14.93	14.32	
727-CY8C3665LTI-014	CY8C3665LTI-014	QFN-68	32	4K	1K	ADC, 4xDAC, 4xComp, DFB, CapSense	20xUDB, 4xTimer/PWM, USB	38	21.23	17.32	16.50	
727-CY8C3665AXI-019	CY8C3665AXI-019	TQFN-100	32	4K	1K	ADC, 4xDAC, 4xComp, DFB, CapSense	20xUDB, 4xTimer/PWM, USB	62	22.02	19.87	18.72	
727-CY8C3666PVI-021	CY8C3666PVI-021	SSOP-48	64	8K	2K	ADC, 4xDAC, 4xComp, DFB, CapSense	24xUDB, 4xTimer/PWM, USB	25	19.16	17.29	16.29	
727-CY8C3666AXI-052	CY8C3666AXI-052	TQFP-100	64	8K	2K	ADC, 4xDAC, 4xComp, 4xSC/CT, CapSense	24xUDB, 4xTimer/PWM	62	16.43	13.82	13.25	
727-CY8C3666AXI-036	CY8C3666AXI-036	TQFP-100	64	8K	2K	ADC, 4xDAC, 4xComp, 4xSC/CT, 4xOpamp, CapSense, LCD Seg Drive	24xUDBs, 4xTimers/PWM, FS USB	62	20.74	18.71	15.83	

