

SOLUTIONS PRODUCTS DESIGN SUPPORT BUY & SAMPLE ABOUT CYPRESS

e > Products > > CY8C4125AZA-M443 🗸 🕅 CV9C412EA7A M442

Product	Specs		Pricing &	inventor	v	Packer	ing/Ordering			and RoHS	Technical Documents
CY8C4125AZA					,						DESIGN SUPPORT
CY8C4125AZA				Y							JESIGIN SUPPORT
CPU Core				ARM Col	rtex-M0						Development Kits
CapSense				Y							Forums
Dedicated ADC (i Rate)	#Max Resoluti	on @ Sa	mple	SAR (1, 12-bit @ 806 ksps)							Knowledge Base
EPROM (KB)				0							Packaging
lash (KB)				32							Product Brochures Quality & Reliability
TAG and Si ID				0x1180 Y							Samples
Max. Operating I	Frequency (MF	Hz)		24							Technical Support
Max. Operating 1				85							Technical Training
Max. Operating \				5.50							Third Party Network (CYPro
	Vin. Operating Temp. (°C) Vin. Operating Voltage (V)				-40 1.71						
io. of CAN Controllers				0							
No. of Continuou				1							TRAINING
No. of DMA Char				8							Workshops
No. of Dedicated			Blocks	2 8							Training On-Demand
No. of GPIOs	micheound		DIOCKS	38							Webinars
No. of Op Amps				2							
No. of SIO		loc'-		0							
No. of Serial Corr No. of USB IO	munication B	IULKS		4							
No. of Universal	Analog Blocks			0							
No. of Universal I				0							
PLL				N							
SRAM (KB) Series				4 PSoC 41	DOM						
Tape & Reel				N							
USB (Type)				None							
DDICHUG	(T) TO DO		1704								
PRICING & INV	/ENTORY AV/ 10-24 un		.ITY 25-99	unit	100-24	9 uni*	250-999 נ	mit	1000+	unit	
Price*	Price*	inc inc	Pric	e*	Pric	e*	Price*		Pric	e*	
				Cor	ntact Sales						
Availability			-	hips In							
						Buy fr	om Cypress	Buy	from Distril	outors	
PACKAGING/O ?ackage			e click here	e to check	lead times getary use o	Con	om Cypress ttact Sales lume of 1ku		from Distril		
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Cross Se	0 n in United Sta IRDERING	ites doll	e click here	e to check e for budg TQFP 44 275 L x 1 Downloo	getary use o	Con	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Cross Se Package Carrier	0 n in United Sta RDERING ions ection Drawing	ites doll	e click here	TQFP 44 275 L x 1 Downloo TRAY	getary use o	Con	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Cross Se Package Carrier Standard Pack Q	0 IRDERING	ttes dolla	e click here	e to check e for budg TQFP 44 275 L x 1 Downloo	getary use o	Con	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Cross Se Package Corrier Standard Pack Q Minimum Order Order Increment	0 n in United Sta RDERING ions ection Drawing tuantity Quantity (MO:	ttes dolla	e click here	TQFP 44 275 L x 1 Downloa TRAY 250 250	getary use o	Con	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Cross Se Package Carrier Standard Pack Q Minimum Order Order Increment Estimated Lead 1	0 n in United Sta RDERING ions ection Drawing tuantity Quantity (MO:	ttes dolla	e click here	to check e for budg 7QFP 44 275 L x 1 Downloi 7RAY 250 250 91	getary use o .4 H x 275 V ad	Con	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Corses Package Carrier Standard Pack Q Minimum Order Order Increment Estimated Lead 1 HTS Code	0 n in United Sta RDERING ions ection Drawing tuantity Quantity (MO:	ttes dolla	e click here	TQFP 44 275 L x 1 Downloa TRAY 250 250	getary use o .4 H x 275 V ad	Con	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Carrier Standard Pack Q Wilnimum Order Order Increment Stimated Lead 1 HTS Code ECCN	0 n in United Sta RDERING ions ection Drawing tuantity Quantity (MO:	ttes dolla	e click here	to check of budg TQFP 44 275 L x 1 Downloo TRAY 250 250 91 8542.31.	getary use o 1.4 H x 275 V ad	Con	tact Sales				
Prices are shown PACkAGING/O Package Package Dimensi Package Cross Se Package Carrier Standard Pack Q Wilninum Order Dorder Increment Stimated Lead 1 HTS Code ECCN ECCN Suball QUALITY AND	0 n in United Sta INDERING Ions ection Drawing tuantity Quantity (MOI t Time (days)	ş Q)	e click here	to check a for budg TQFP 44 275 L x 1 Downloo TRAY 250 250 91 8542.31. (A.3)	getary use o 1.4 H x 275 V ad	Con	tact Sales				
Prices are shown PACKAGING/O Package Package Package Dimensi Package Dimensi Package Cross Se Package Cross Se Package Cross Se Package Cross Se Package Cross Se Package Cross Se Standard Pack Q Minimum Order Drder Increment Settimated Lead 1 TIS Code ECCN Suball QUALITY AND Moisture Sensibil	0 n In United Sta INDERING ions ection Drawing tuantity Quantity (MOO i Time (days) ROHS wity Level (MSI	ş Q)	e click here	to check TQFP 44 275 L x 1 Downloo 250 91 8542.31. (A.3) 3A991.A 3	2etary use o 1.4 H x 275 W ad 00001 3	Connly for vol	tact Sales				
Prices are shown PACKAGING/O Package Package Dimensi Package Cross Sc Package C	0 n in United Sta RDERING ions cttion Drawing uantity Quantity (MOr i Trime (days) ROHS wity Level (MSL ip, (°C)	ş Q)	e click here	t o check e for budy TQFP 44 275 L x 1 Downlou 7RAY 250 250 91 8542.31. (A.3) 3A991 A 3 3A991 A	setary use o 1.4 H x 275 V ad 00001 3 rress Reflow	Corr nly for vol W (Mils)	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Dimensi Package Critos Standard Pack Q Minimum Order Order Increment Estimated Lead THTS code ECCN Standard ECCN Suball QUALITY AND Moistak Reflow Ten RoHS Compliant	0 n in United Sta RDERING ions cttion Drawing uantity Quantity (MOr i Trime (days) ROHS wity Level (MSL ip, (°C)	ş Q)	e click here	t o check e for budy TQFP 44 275 L x 1 Downlou 7RAY 250 250 91 8542.31. (A.3) 3A991 A 3 3A991 A	2etary use o 1.4 H x 275 W ad 00001 3	Corr nly for vol W (Mils)	tact Sales				
Prices are shown PACKAGING/O Package Package Demostra Package Demostra Package Cross Se Package Cross Se Package Cross Se Package Carrier Standard Pack Q Minimum Order Order Increment Setimated Lead HTS Code ECCN Setimated Lead HTS Code ECCN Setimated Lead Moisture Sensitib Pack Reflow The RoHS Compliant PB Free Lead/Ball Finish	0 n in United Sta RDERING ions cttion Drawing uantity Quantity (MOr i Trime (days) ROHS wity Level (MSL ip, (°C)	ş Q)	e click here	t o check For budg TQFP 44 275 L x 12 Downloo 250 250 250 250 250 34991 A 36542.31. (A.3) 34991 A 3 250 (Cypy) Y Print R Y NL/Pd/A	(4 H x 275 V ad 0001 3 rress Reflow ooHS Certific	Corr nly for vol W (Mils)	tact Sales				
Prices are shown PACKAGING/O Package No. of Pins Package Dimensi Package Commensi Package Consist Package Consist Pac	0 n in United Sta RDERING ions ection Drawing uantity Quantity (MO) c trime (days) wity Level (MSL wity Level (MSL p. (*C)	5 5 Q)	e click here	t o check For budg TQFP 44 275 L x 1 Downloo 250 250 250 91 8542.31. (A.3) 3A991 A 3 250 (Cypy Y Print R Y NL/Pd/A	setary use o I.4 H x 275 W ad 00001 3 rress Reflow coHS Certific	Corr nly for vol W (Mils)	tact Sales				
Prices are shown PACKAGING/O Package No. of PIns Package Drenson Package Cross Se Package Carrier Standard Pack Q Minimum Order Drder Increment Standard Pack Q Minimum Order Drder Increment Standard Pack Q Minimum Order Drder Increment Standard Pack Q Minimum Order Drder Increment Standard Pack Q Minimum Order QUALITY AND Molsture Sensitiv Pack Reflow Terr RoHS Croupliant Package Include Device Qualific HTMTBR, ESD (h) DTPF IS2070-AL	0 in in United Sta RDERING ions cettion Drawing fuantity Quantity Quantity Quantity Frime (days) ROHS vity Level (MSL pp.(*Q) cation Report RBM/CDM) and TOMOTIVE PS	2 2 2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2	e click herer	e to checked For budge 44 42 25 250 91 8542.31. (A.3) 3A991.A 260 (Cyp Y Print R Y Ni/Pd/A Cypress	I A H x 275 V d d 00001 3 3 vress Reflow Marking Fo	Corrile W (Mils) Profile) rmat	tact Sales lume of 1ku mpliance		Contact Sale		
Prices are shown PACKAGING/O Package Package Package Dmension Package Dmension Package Chrises Package Carriers Standard Pack G Package Carriers Contention Contentio	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2	e click herer	e to checked For budge 44 42 25 250 91 8542.31. (A.3) 3A991.A 260 (Cyp Y Print R Y Ni/Pd/A Cypress	I A H x 275 V d d 00001 3 3 vress Reflow Marking Fo	Corrile W (Mils) Profile) rmat	tact Sales lume of 1ku mpliance		Contact Sale		
Prices are shown PACKAGING/O Package P	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2	e click herer	e to checked For budge 44 42 25 250 91 8542.31. (A.3) 3A991.A 260 (Cyp Y Print R Y Ni/Pd/A Cypress	I A H x 275 V d d 00001 3 3 vress Reflow Marking Fo	Corrile W (Mils) Profile) rmat	tact Sales lume of 1ku mpliance		Contact Sale		
Prices are shown PACKAGING/O Package Vo. of PINS Package Chross Package Carrier Standard Pack Q Minimum Order Order Increment Standard Pack Q Minimum Order Order Increment Standard Pack Q Minimum Order CCN Suball QUALITY AND Molsture Sensitiv Res Scompliant PB Free Lead/Ball Finish Marking Device Qualific Attrine1EconNecTJ TFIE162072.AL NTERCONNECT TECHNICAL D C Application No NNB4858 - PSoc NNB4258 - PSoc NNB4258 - PSoc NNB4258 - PSoc NNB4258 - PSoc NNB4259 - PSoc NNB4459 - PSoc N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e click herer ars and ar up data av Md and PS 6, 2019 g an Exter	TQFP TQFP 44 275 Lx 11 Download TRAY 250 250 91 3 260 (Cyp; gs 4 4 260 (Cyp; gs 4	1.4 H x 275 V 1.4 H x 275 V add add 00001 3 3 ress Reflow Marking Fo 0 0 0 Marking Fo 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Connity for vol	tact Sales ume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB I	(AL BEC	Contact Sale	5	
Prices are shown PACKAGING/O Package Vo. of Pins Package Circos Sc Package Carrier Standard Pack Q Winimum Order Order Increment Standard Pack Q Winimum Order CCCN CCCN Suball QUALITY AND Mosture Sensitiv Peak Reflow Ten Voisture Sensitiv Peak	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e click here ars and ar up data av g an Exter sign Pogram	a to check e for budge 44 42 25 L x 1 Download 78 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 91 250 250 91 250 250 91 250 250 91 250 250 91 250 250 91 250 250 91 250 250 250 250 250 250 250 250 250 250	1.4 H x 275 V 1.4 H x 275 V add add 00001 3 3 ress Reflow Marking Fo 0 0 0 Marking Fo 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Connity for vol	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB I	(AL BEC	Contact Sale	5	
Prices are shown PACKAGING/O Package Vo. of Pins Package Circos Sc Package Carrier Standard Pack Q Winimum Order Order Increment Standard Pack Q Winimum Order Crider Increment Standard Pack Q Winimum Order Order Increment Standard Pack Q Winimum Order QUALITY AND Wolsture Sensitiv Wolsture Sensitiv Pack Reflow Ter Pa	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e dick heree ars and ar up data av g an Exter sign Program	TQFP 44 275 L x 1/2 250 250 250 91 6542 31. (A3) 3A991 A 3 3A991 A 7 Y Print R Y Y Print R Y Y Print R Y Y Sol (Cypress 250) (Cypress 250 (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cypress 250) (Cyp	1.4 H x 275 V 1.4 H x 275 V add add 00001 3 3 ress Reflow Marking Fo 0 0 0 Marking Fo 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Connity for vol	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB ( og Sep 22, 2019	(AL BEC	Contact Sale	5	ABOUT US
Prices are shown PACKAGING/O Package No. of PINS Package Carrier Standard Pack Q Minimum Order Order Increment Standard Pack Q Minimum Order Order Increment Standard Pack Q Minimum Order Order Increment Standard Pack Q Minimum Order Q QUALITY AND Molisture Sensitiv Resonation Comparison Compariso	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	up data av up data av M and PS Ko (219) g an Exter g p Program PROI Wire	a to check e for budge 44 275 L x 1 Downloa 250 250 250 250 250 250 250 250 250 250	1.4 H x 275 V add ad 00001 3 3 vress Reflow a 4 Marking Fo 004S Certific DeVice FA Marking Fo DeVice FA Controller (-) C) Device FA	Connoly for volume w (Mils) w (Mils) attention of Connol w (Mils) attentio	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 Ents With UDB I DESIGF Commu	(AL BEC	Contact Sale	5	Investors
Prices are shown PACKAGING/O Package Vo. of Pins Package Cross Se Package Carrier Standard Pack Q Winimum Order Drder Increment Stimated Lead Q Winimum Order Order Increment Stimate Class I Standard Pack Q UMAINTY AND Mosture Sensiti Q UALITY AND Mosture Sensiti RoHS Fore Lead/Ball Finish Pack Reflow Terr RoHS Fore Lead/Ball Finish Marking D Package Qualification No NNB4858 - PSOC NNB2550 - PSOC Show More • PSOC Show More • PSOC NALLY AND CULTIONS Automotive Industrial	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	up data av up data av M and PS Ko (219) g an Exter g p Program PROI Wire	a to check e for budge d4 275 L x 1 Download 250 250 250 250 250 250 250 250	1.4 H x 275 V 1.4 H x 275 V add add 00001 3 3 ress Reflow Marking Fo 0 0 0 Marking Fo 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Connoly for volume w (Mils) w (Mils) attention of Connol w (Mils) attentio	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB ( og Sep 22, 2019	(AL BEC	Contact Sale	5	
Prices are shown PACKAGING/O Package Vo. of Pins Package Cross Se Package Carrier Standard Pack Q Winimum Order Drder Increment Stimated Lead Q Winimum Order Order Increment Stimate Class I Standard Pack Q UMAINTY AND Mosture Sensiti Q UALITY AND Mosture Sensiti RoHS Fore Lead/Ball Finish Pack Reflow Terr RoHS Fore Lead/Ball Finish Marking D Package Qualification No NNB4858 - PSOC NNB2550 - PSOC Show More • PSOC Show More • PSOC NALLY AND CULTIONS Automotive Industrial	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e click here ars and ar ars and ar ars and ar ars and ar ars and ar ars and ar ars are ars are ars are are ars are are ars ard ar ar ars ard ar ar ars ard ar ar ars ard ar a	a to check e for budge 44 275 L x 1 Downloa 250 91 8542 31. 250 93 8542 31. 250 93 8542 31. 250 93 8542 31. 250 94 8542 31. 250 93 8542 31. 250 94 8542 31. 250 95 97 97 97 97 97 97 97 97 97 97	1.4 H x 275 V ad ad a a a a a a a a a a a a a a a a	Common for volume of the second secon	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 DESIGN Comm. Videos	(AL BEC	Contact Sale Conta	5	Investors
Prices are shown PACKAGING/O Package Package Package Dmension Package Dmension Package Chrises Package Carriers Standard Pack G Package Carriers Contention Contentio	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e dick herer ars and ar up data av up data av do data a	a to check e for budge d4 275 L x 1 Download 250 250 250 250 250 250 250 250	I.4 H x 275 V ad ad a controller (* Controller (*) Marking Fo DEVICE FAI Marking Fo DEVICE FAI a scontroller (*) Controller (*	Common for volume of the second secon	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB for Sales DESIGN Commu Videos Quality	(AL BEC	Contact Sale Conta	5	Investors
Prices are shown PACKAGING/O Package Vo. of Pins Package Cross Se Package Carrier Standard Pack Q Winimum Order Drder Increment Stimated Lead Q Winimum Order Order Increment Stimate Class I Standard Pack Q UMAINTY AND Mosture Sensiti Q UALITY AND Mosture Sensiti RoHS Fore Lead/Ball Finish Pack Reflow Terr RoHS Fore Lead/Ball Finish Marking D Package Qualification No NNB4858 - PSOC NNB2550 - PSOC Show More • PSOC Show More • PSOC NALLY AND CULTIONS Automotive Industrial	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e dick here ars and ar up data av g an Exter right of the second second g an Exter right of the second second second g an Exter right of the second second second g an Exter right of the second sec	a to check e for budge d4 275 L x 1 Downlob 250 250 91 8542 31. 250 250 91 8542 31. 250 250 91 8542 31. 250 250 91 8542 31. 250 250 250 250 250 250 250 250	1.4 H x 275 W 1.4 H x 275 W ad 00001 3 7 ress Reflow 00001 3 7 ress Reflow 00001 3 7 ress Reflow 0001 3 7 7 8 8 8	Common for volume of the second secon	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB for Sales DESIGN Commu Videos Quality	(AL BEC	Contact Sale Conta	5	Investors
Prices are shown PACKAGING/O Package Vo. of Pins Package Cross Se Package Carrier Standard Pack Q Winimum Order Drder Increment Stimated Lead Q Winimum Order Order Increment Stimate Class I Standard Pack Q UMAINTY AND Mosture Sensiti Q UALITY AND Mosture Sensiti RoHS Fore Lead/Ball Finish Pack Reflow Terr RoHS Fore Lead/Ball Finish Marking D Package Qualification No NNB4858 - PSOC NNB2550 - PSOC Show More • PSOC Show More • PSOC NALLY AND CULTIONS Automotive Industrial	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Q)	e dick here ars and ar up data av g an Exter right of the second second g an Exter right of the second second second g an Exter right of the second second second g an Exter right of the second sec	a to check e for budge d4 275 L x 1 Download 250 250 250 250 250 250 250 250	1.4 H x 275 W 1.4 H x 275 W ad 00001 3 7 ress Reflow 00001 3 7 ress Reflow 00001 3 7 ress Reflow 0001 3 7 7 8 8 8	Common for volume of the second secon	tact Sales lume of 1ku mpliance on Report. HD-10P, FAB25 9, 2020 ents With UDB for Sales DESIGN Commu Videos Quality	(AL BEC	Contact Sale Conta	5	Investors

RPORATE HEADQUARTERS press Semiconductor Corp. Champion Court Jose, CA 95134 USA : +1-408-943-2600

OTHER REQUESTS Contact Us Report a Website Problem Report a Security Vulnerability

ABOUT US CAREERS INVESTORS LEGAL

CUSTOMER SERVICE SUPPORT +1-800-541-4736 Hours: 8:00AM - 5:00PM (local time) Create a MyCase Cypress Developer Community



INTERNATIONAL SUPPORT +1-408-943-2600 United States +1-800-541-4736 Hours: 4-30AM -1:30PM (pacific time) 7 7:30PM -4:30AM (standard time)

## **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cypress Semiconductor: CY8C4125AZA-M443