

Ordering Information

Table 1 lists the CY8CTMA46X (Gen4) TrueTouch touchscreen controllers. For information on other TrueTouch families, visit <http://www.cypress.com/truetouch>.

Table 1. Device Ordering Information

Family	Part Number	Sense Pins	Typ Screen Size (inches) ^[1]	Max Fingers	ChargerArmor	CapSense Button	Water Rejection	Large Object	10V TX	Glove	External Display Sync	Passive Stylus	Package Type
Base	CY8CTMA461-48LQI(T)	35	4.6	2	✓	✓	✓	✓	✓	–	✓	–	48-Pin QFN
	CY8CTMA463-44LQI(T)	31	4.1	10	✓	✓	✓	✓	✓	–	✓	–	44-Pin QFN
	CY8CTMA463-48LQI(T)	35	4.6	10	✓	✓	✓	✓	✓	–	✓	–	48-Pin QFN
	CY8CTMA463-56LQI(T)	44	5.8	10	✓	✓	✓	✓	✓	–	✓	–	56-Pin QFN
	CY8CTMA463-49FNIT	36	4.8	10	✓	✓	✓	✓	✓	–	✓	–	49-Ball WLCSP
	CY8CTMA463-60BUI(T)	45	5.9	10	✓	✓	✓	✓	✓	–	✓	–	60-Ball UFBGA
Glove	CY8CTMA467-44LQI(T)	31	4.1	10	✓	–	✓	✓	✓	✓	✓	–	44-Pin QFN
	CY8CTMA467-48LQI(T)	35	4.6	10	✓	–	✓	✓	✓	✓	✓	–	48-Pin QFN
	CY8CTMA467-56LQI(T)	44	5.8	10	✓	–	✓	✓	✓	✓	✓	–	56-Pin QFN
	CY8CTMA467-49FNIT	36	4.8	10	✓	–	✓	✓	✓	✓	✓	–	49-Ball WLCSP
	CY8CTMA467-60BUI(T)	45	5.9	10	✓	–	✓	✓	✓	✓	✓	–	60-Ball UFBGA
Passive Stylus	CY8CTMA468-44LQI(T)	31	4.1	10	✓	–	✓	✓	✓	–	✓	✓	44-Pin QFN
	CY8CTMA468-48LQI(T)	35	4.6	10	✓	–	✓	✓	✓	–	✓	✓	48-Pin QFN
	CY8CTMA468-56LQI(T)	44	5.8	10	✓	–	✓	✓	✓	–	✓	✓	56-Pin QFN
	CY8CTMA468-49FNIT	36	4.8	10	✓	–	✓	✓	✓	–	✓	✓	49-Ball WLCSP
	CY8CTMA468-60BUI(T)	45	5.9	10	✓	–	✓	✓	✓	–	✓	✓	60-Ball UFBGA
Custom Reserved for Kits	CY8CTMA400-44LQI(T)	31	4.1	10	✓	✓	✓	✓	✓	✓	✓	–	44-Pin QFN
	CY8CTMA400-48LQI(T)	35	4.6	10	✓	✓	✓	✓	✓	✓	✓	–	48-Pin QFN
	CY8CTMA400-56LQI(T)	44	5.8	10	✓	✓	✓	✓	✓	✓	✓	–	56-Pin QFN
	CY8CTMA400-49FNIT	36	4.8	10	✓	✓	✓	✓	✓	✓	✓	–	49-Ball WLCSP
	CY8CTMA400-60BUI(T)	45	5.9	10	✓	✓	✓	✓	✓	✓	✓	–	60-Ball UFBGA

Note

1. 4.7 mm pitch, 4:3 aspect ratio.

Ordering Code Definitions

CY8	C	TMA	4	X	Y	-	ABCDE	XX	XX	(T)
										T = Tape and Reel
										Extension: ZZ = Custom / Kit
										Sensor I/O: XX = 45
										Pins/Package Type (ABCDE)
										60 BUI = 60-ball UFBGA
										49 FNI = 49-ball WLCSP
										56 LQI = 56-pin QFN
										48 LQI = 48-pin QFN
										44 LQI = 44-pin QFN
										Number of Fingers (Y)
										0 = Reserved
										1 = 2 fingers
										3 = 10 fingers
										7 = 10 fingers + Glove
										8 = 10 fingers + Passive Stylus
										Feature Set (X)
										0 = Reserved
										6 = Base Part
										Generation ID: 4
										Family Code: TMA = Multi-Touch All-Points Controller
										Technology Code: C = CMOS
										Marketing Code: CY8 = Cypress PSoC

Document History Page

Document Title: CY8CTMA46X TrueTouch® Multi-Touch All-Points Touchscreen Controller Document Number: 001-91021				
Revision	ECN	Orig. of Change	Submission Date	Description of Change
**	4274818	SWU	02/11/2014	New summary datasheet.
*A	5284373	ELG	05/26/2016	Removed Windows Phone Support. Revised grammar for charger noise. Aligned charger noise support in order information table with features list. Updated template.

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