

Ordering Information

The following table lists the TrueTouch Standard Product Single Touch Touchscreen Controllers. For information on other TrueTouch families, visit <http://www.cypress.com/truetouch>.

Table 1. Device Ordering Information

Part Number	TrueTouch						Sensor		Minimum Interface Voltage	Supply Voltage Operating Range	Bootloader	I ² C	SPI	UART	Package
	Typical Screen Size (in.) (4:3 Aspect Ratio)	Maximum Nodes	Maximum Fingers	On-chip Gesture Decoding	True Single Layer Sensor	Large Object Detection	Glass	Film							
CP8CTST241-FNC-01T	3.6 ^[2]	24	1	✓	✓	✓	✓	✓	1.8	1.71–5.5	✓	✓	✓	✓	30-ball WLCSP
CP8CTST242-FNC-01T	3.6 ^[2]	24	2	✓	✓	✓	✓	✓	1.8	1.71–5.5	✓	✓	✓	✓	30-ball WLCSP

Ordering Code Definitions

Cx8 C TST 24x - FNC 01T

Feature Set:

01T = Basic feature set with “Tape and Reel”

Pins/Package Type:

FNC = 30-Ball 0.4 mm Height WLCSP, Commercial temperature grade

Sub-family Identifier:

241 = one finger tracking and reporting

242 = two finger tracking and reporting

Family Code: TST = Single-Touch Controller

Technology Code: C = CMOS

Marketing Code: CP8 = Custom part Cypress PSoC

Note

2. A screen size of 3.6-inches is met using 6.1-mm pitch for 24-nodes devices and a 4.1-mm pitch for 32-node devices.

Document History Page

Document Title: CY8CTST241/CY8CTST242, TrueTouch® Single-Touch Touchscreen Controller Document Number: 001-91041				
Rev.	ECN No.	Orig. of Change	Submission Date	Description of Change
**	4278978	SWU	02/12/2014	New summary data sheet.
*A	5378716	ELG	08/06/2016	Added CY8CTST241 part related information in all instances across the document. Added CY8CTST241/CY8CTST242 Block Diagram . Updated Ordering Information : Updated part numbers. Updated Ordering Code Definitions . Updated to new template.
*B	5991473	ELG	12/12/2017	Removed "32-pin QFN" and "48-pin QFN" package related information in all instances across the document. Updated Ordering Information : Updated part numbers. Updated Ordering Code Definitions . Updated to new template. Completing Sunset Review.

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