

QTouch™ Chips

QTouch devices are digital charge-transfer ICs designed to detect touch using a single connection between the sensor chip and a simple key electrode. These chips are best suited for low key count applications up to 10 keys. [More...](#)

Part#	Notes	Suggested Alternative+	Touch Input++	Packages	Temp (°C)	Eval Board
QT100	Not recommended for new designs	QT100A	1-ch	SOT23-6	-40 to +85	E100S
QT100A			1-ch	WSON6 MSOP10	-40 to +85	E100S
QT102			1-ch	SOT23-6	-40 to +85	E102
QT110	Not recommended for new designs	QT100A QT220	1-ch	DIP8 SO8	0 to +70 -40 to +85	E11x
QT113	Not recommended for new designs	QT100A QT220	1-ch	DIP8 SO8	0 to +70 -40 to +85	E11x
QT118H	Not recommended for new designs	QT100A QT220	1-ch	DIP8 SO8	0 to +70 -40 to +85	E11x
QT220			2-ch	SSOP20	-40 to +85	E240B
QT240			4-ch	SSOP20	-40 to +85	E240B
QT1080		QT1081	8-ch	QFN32	-40 to +85	E1080

QT1081		8-ch	QFN32	-40 to +85	E1081
QT1101	QT1103	10-ch	QFN32	-40 to +85	
QT1103		10-ch	QFN32	-40 to +85	E1103

+ These alternatives are less expensive and use simpler circuitry; they are therefore better for new designs.

++ ch = channel, S = Slider, W = Wheel

QMatrix™ Chips

QMatrix devices are digital charge-transfer (QT) ICs designed to detect touch using a scanned, passive matrix of electrode sets to achieve a large number of touch keys driven by a single chip. [More...](#)

Part#	Suggested Alternative+	Touch Input++	Packages	Temp (°C)	Eval Board
AT42QT2160		16-ch, S	MLF28	-40 to +85	EVK2160A
QT60160		16-ch	MLF32	-40 to +85	E6240
QT60168		16-ch	TQFP32	-40 to +105	E6248
QT60240		24-ch	MLF32	-40 to +85	E6240
QT60248		24-ch	TQFP32	-40 to +105	E6248
QT60326		32-ch	TQFP44	-40 to +105	E6486
QT60486		48-ch	TQFP44	-40 to +105	E6486

+ These alternatives are less expensive and use simpler circuitry; they are therefore better for new designs.

++ ch = channel, S = Slider, W = Wheel

QWheel™ & QSlide™ Chips

QWheel and QSlide devices are digital charge-transfer (QT) ICs based on Quantum's QTouch technology to implement scrolling functionality. [More...](#)

Part#	Notes	Suggested Alternative+	Touch Input++	Packages	Temp (°C)	Eval Board
AT42QT2160			16-ch, S	MLF28	-40 to +85	EVK2160A
QT411	Not recommended for new designs	QT1106	S	TSSOP14	-40 to +85	E411
QT511	Not recommended for new designs	QT1106	W	TSSOP14	-40 to +85	E511
QT1106			7-ch + S or W	QFN32	-40 to +85	E1106

+ These alternatives are less expensive and use simpler circuitry; they are therefore better for new designs.

++ ch = channel, S = Slider, W = Wheel