

Elan Touch-Key MCU Selection Guide 2018-04v1

	IC Part No.	Package	Feature	Touch Buttons (max.)	Slider resolution	Water Proof	Cover thickness @pad 10x10mm	PROM (W)	RAM (B)	EEPROM (B)	Touch + GPIOs	Interface	LVR	LVD	PWM	ADC	DAC	Program	VDD (V)	Operation Temp.	Develop Tool	
FLASH	eKTF5616	SOP-28 QFN-24 SOP-20	Touch Button	16 14 12	-	Normal High	< 8mm < 5mm	4K	512	128	26 22 18	I2C(400K) SPI UART	2.5V 3.6V 4.2V/ POR	2.2V~ 4.7V	x2(16b)	12bx8 12bx6 12bx4	-	ISP	2.2 ~5.5 (±10%)	-40℃ ~ 85℃	UBRG eKTUSBREG eD56 DEB	
			2 Slider / Wheel (@4/6B)	12 6 4	256step	Normal	< 6mm															
	eKTF5608	SOP-16A	Touch Button	8	-	Normal High	< 8mm < 5mm	4K	512	128	14	I2C(400K) SPI UART	2.5V 3.6V 4.2V/ POR	2.2V~ 4.7V	x2(16b)	12bx2	-	ISP	2.2 ~5.5 (±10%)	-40℃ ~ 85℃	UBRG Ektusbreg eD56 DEB	
			Slider / Wheel (@4/6B)	4	256step	Normal	< 6mm															
	eKTF5832	QFN-32 SOP-28 SOP-24 QFN-24	Touch Button	24 20 16	-	Normal High	< 8mm < 5mm	12K	1072	-	26 22 18	I2C(400K) SPI	2.4V 2.8V 3.5V/ POR	-	x3(16b)	-	x1(8b)	ISP	2.0 ~5.5 (±10%)	-40℃ ~ 85℃	UBRG eKTUSBREG eD58 KEY DEB	
			2 Slider / Wheel (@4/8B)	16 12 8	256step	Normal	< 6mm															
	eKTF5705	SOP-24 QFN-24	Touch Button	16	-	Normal High	< 8mm < 4mm	8K	1072	-	18 17	I2C(400K)	2.7v/ 3.0v/ POR	-	x2(16b)	-	x2(8b)	ISP	2.8~3.6 (±10%)	-40℃ ~ 85℃	UBRG eKTUSBRGE eKTR5700_1L_DEB	
			Slider / Wheel (@4/8B)	12	32step	Normal	< 6mm															
			Slider (@6/8B)	10	256step																	
			2 Slider(@4B)	8	32step	Normal	< 6mm															
	OTP	eKT5205	SOP-24	Touch Button	12	-	Normal High	< 8mm	4K	432	-	18 17	I2C(400K)	2.7v/ 3.5v/ 4.0v/ POR	2.7v/ 3.5v/ 4.0v/ POR	x1(16b)	-	x2(8b)	ISP	2.8~5.5 (±10%)	-40℃ ~ 85℃	UBRG eKTUSBRGE eKTR5200_1L_DEB
				Slider / Wheel (@4/8B)	8	32step	Normal	< 6mm														
eKT5201		SOP-24	Touch Button	12	-	Normal	< 8mm	4K	432	-	18	I2C(400K)	2.7v/ 3.5v/ 4.0v/ POR	2.7v/ 3.5v/ 4.0v/ POR	x1(16b)	-	x2(8b)	ISP	2.8~5.5 (±10%)	-40℃ ~ 85℃	UBRG eKTUSBRGE eKTR5200_1L_DEB	
eKT5211	SOP-16A	Touch Button	9	-	Normal High	< 8mm < 5mm	4K	304	-	10	I2C(100K*)	2.7v/ 3.5v/ 4.0v/ POR	2.7v/ 3.5v/ 4.0v/ POR	x1(16b)	-	-	ISP	2.8~5.5 (±10%)	-40℃ ~ 85℃	UBRG eKTUSBRGE eKTR5200_1L_DEB		

* Normal(Life) Water Proof : Sweat , Water fog, Water drop small then half of Pad size, without cross differen pads
High(Professional) Water Proof : water dump, water over the sensor pad.

* ESD: 8KV/4KV, EFT: +/- 2KV, RS: 10V/m, CS: 10V