

Distec Standard PCAP Touch Controller Overview

This overview simplifies the selection of our standard PCAP touch controllers for customer requirements.

Special features like glove, palm, water, etc. are available on demand.

For custom requests, it is possible to create an individual COF or COB design. This depends on the project quantity and requirements. Ask Product marketing for details and technical feasibility.

GOODIX

ILITEK

EETI

PCAP Touch Controller Overview



	Goodix		Ilitek			EETI						
Chip / Series	GT911	GT9271	ILI2301S+ ILIM2VDS	ILI2510	ILI2511	EXC3000 + EX5418	EXC3000+ EX5440	EXC3100	EXC3100+ EX5440	EXC80H80	EXC80H84	
Price category	low		middle			high						
Size max.	9"	10.1"	12.5"	~21.5"	~14"	32"	32"	27"	27"	24"	24"	
Interface	I2C	I2C	USB	USB / I2C		USB / RS232 / I2C						
Board type	COF	COF	COF	COF	COF	COB	COB	COB	COB	COB	COB	
Cover glass (mm)	3	3	4	6 (10)*	6 (10)*	6 (10)*	6 (10)*	6 (10)*	6 (10)*	6 (10)*	6 (15)*	
Touchpoints	5	10	10	10	10	10	10	10	10	10	60	
Operating temp.	-40 - 85°C	-40 - 85°C	-40 - 85°C	-40 - 105°C	-40 - 105°C	-40 - 85°C	-40 - 85°C	-40 - 85°C	-40 - 85°C	-40 - 85°C	-40 - 85°C	
On Demand	Glove	thin	thin	thin	medium/thick	medium/thick	medium/thick	medium/thick	medium/thick	medium/thick	medium/thick	
	Palm rejection	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Water resistance	Turns off	Turns off	-	Operable (1 TP)	Operable (1 TP)	Operable (+)	-	Operable (++)	-	Operable (+++)	Operable (++++)
	Saltwater (~5%), Blood	-	-	-	-	-	-	-	Operable (1 TP)	-	operable (1 TP)	operable (1 TP)
CS	N/A	N/A	10Vrms	10Vrms	10Vrms	3Vrms	10Vrms	3-6Vrms	10Vrms	10Vrms	10Vrms	
RS	N/A	N/A	N/A	30V/m	30V/m	10V/m	10V/m	30V/m	50V/m	50V/m	50V/m	

* Recommended use of our standard PCAP sensors up to a cover glass thickness of 6mm. Thicknesses above 6mm (up to 10mm respective 15mm) needs another sensor pitch design.

Standard PCAP (COF / COB)

your specialist for innovative TFT system solutions

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