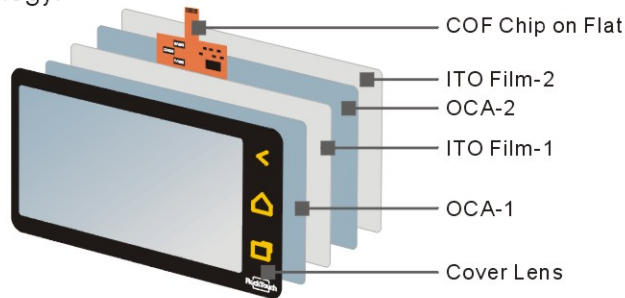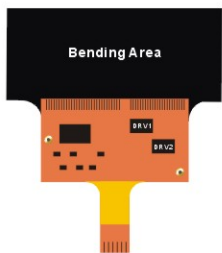■ RockTouch brings you the newest concept of touch technology. Our team at RockTouch presents a new Projected Capacitive technology.

- COF Chip on Flat
- ITO Film-2
- OCA-2
- ITO Film-1
- OCA-1
- Cover Lens

■ RockTouch's new Projected Capacitive technology is based on the F/F/G structure. Using one film layer for the X axis and then another film layer for the Y axis then the desired cover lens is placed on top. Our touch panel enables the use of:
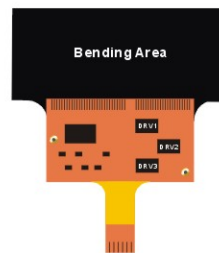
- 2 fingers for 6mm cover lenses
- 2 fingers for 3mm cover lenses
- 4 fingers for cover lenses equaling or less than 2mm thickness

■ For an easy and secure integration our team has developed two Chip On Flat that are compatible with all 10 sizes of films and cover lenses that RockTouch offers. RockTouch's Chip On Flat uses the same mechanical pin out for all sizes of films and cover lenses to enable USB, I2C and UART.

Chip on Flat tail 1
- From 10.1"W up to 15"
- Long enough to bend behind any LCD
- Additional glue for better adhesion on the ITO film
- Holes for easy fix and additional grounding
- Bottom center position
- Protection tape on the Chips

Chip on Flat tail 2
- From 15.6"W up to 21.5"W
- Long enough to bend behind any LCD
- Additional glue for better adhesion on the ITO film
- Holes for easy fix and additional grounding
- Bottom center position
- Protection tape on the Chips

To ensure the quality of using our touch panels, we have used black film for additional EMI protection.
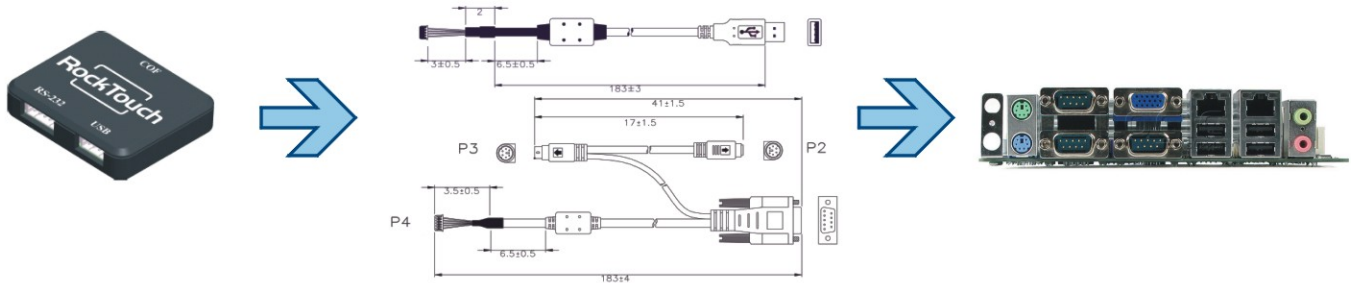
■ The list below shows all our available dimensions of Film/Film design:

FILM PART NUMBER	SIZE AVAILABLE	SENSOR MAXIMUM AA	SENSOR OUTSIDE DIMENSION	INTERFACE
RTPC101W-A	10.1"W	223.76 x 142.00 mm	233.76 x 162 mm	USB or I2C or UART
RTPC104-A	10.4"	220.8 x 167.8 mm	233.8 x 188.52 mm	USB or I2C or UART
RTPC121-A	12.1"	255 x 193.5 mm	269.1 x 215.3 mm	USB or I2C or UART
RTPC121W-A	12.1"W	268.1 x 166.2 mm	281.84 x 189.18 mm	USB or I2C or UART
RTPC150-A	15"	307.53 x 231.42 mm	326 x 259 mm	USB or I2C or UART
RTPC156W-A	15.6"W	353.53 x 202.83 mm	367.83 x 226.41 mm	USB or I2C or UART
RTPC170-A	17"	347.6 x 280 mm	365.12 x 308.54 mm	USB or I2C or UART
RTPC185W-A	18.5"W	419.4 x 240 mm	436.08 x 268.98 mm	USB or I2C or UART
RTPC190-A	19"	386.3 x 311.06 mm	403.3 x 334.06 mm	USB or I2C or UART
RTPC215W-A	21.5"W	485.84 x 276.31 mm	503.22 x 306.42 mm	USB or I2C or UART

● HOW DO I CONNECT THE Chip On Flat TO THE MOTHERBOARD?

Our mission at RockTouch is to develop secure and easy integration for our clients.
We have developed a simple-smart adapter for our clients to connect the Chip On flat to a standard industrial motherboard using a RockTouch cable. The RockTouch cable comes in USB and Serial connector interface. The cable is in two lengths, short length 40 cm and long length which is 1.83 meter long. The cable has a ferrite core attached to guarantee the quality of use by decreasing noise.

● NEED COVER LENSES?

To further service our clients, RockTouch also manufactures cover lenses. Providing our clients with more flexibility to integrate our touch panel to their designs, RockTouch cover lenses come in various sizes from 10.1"W to 21.5"W and thickness of 3mm or 6mm. We also offer our clients the option to choose between black and white for each cover lens.

The list below illustrates the standard sensor including Cover Lens (Finish product, no tooling required)

SIZE	OUTSIDE DIMENSIONS (mm)	SENSOR ACTIVE AREA (mm)	INTERFACE	COVER LENS THICKNESS	BLACK COVERLENS PART NUMBER	WHITE COVER LENS PART NUMBER
10.1"W	283 x 202	216.96 x 135.6	COF USB/ I2C/UART	3 mm	RTPC101W-A30BP1	RTPC101W-A30WP1
				6 mm	RTPC101W-A60BC1	RTPC101W-A60WC1
10.4"	280 x 227	211.2 x 158.4	COF USB/ I2C/UART	3 mm	RTPC104-A30BP1	RTPC104-A30WP1
				6 mm	RTPC104-A60BC1	RTPC104-A60WC1
12.1"	315 x 253	246.0 x 184.5	COF USB/ I2C/UART	3 mm	RTPC121-A30BP1	RTPC121-A30WP1
				6 mm	RTPC121-A60BC1	RTPC121-A60WC1
12.1" W	328 x 226	261.12 x 163.2	COF USB/ I2C/UART	3 mm	RTPC121W-A30BP1	RTPC121W-A30WP1
				6 mm	RTPC121W-A60BC1	RTPC121W-A60WC1
15"	370.1 x 294.1	305.1 x 229.1	COF USB/ I2C/UART	3 mm	RTPC150-A30BP1	RTPC150-A30WP1
				6 mm	RTPC150-A60BC1	RTPC150-A60WC1
15.6"W	424 x 273	344.23 x 193.54	COF USB/ I2C/UART	3 mm	RTPC156W-A30BP1	RTPC156W-A30WP1
				6 mm	RTPC156W-A60BC1	RTPC156W-A60WC1
17"	424 x 357	377.92 x 270.33	COF USB/ I2C/UART	3 mm	RTPC170-A30BP1	RTPC170-A30WP1
				6 mm	RTPC170-A60BC1	RTPC170-A60WC1
18.5"W	491 x 312	409.8 x 230.4	COF USB/ I2C/UART	3 mm	RTPC185W-A30BP1	RTPC185W-A30WP1
				6 mm	RTPC185W-A60BC1	RTPC185W-A60WC1
19"	457.32 x 382.06	376.32 x 301.06	COF USB/ I2C/UART	3 mm	RTPC190-A30BP1	RTPC190-A30WP1
				6 mm	RTPC190-A60BC1	RTPC190-A60WC1
21.5"W	559 x 350	476.64 x 268.11	COF USB/ I2C/UART	3 mm	RTPC215W-A30BP1	RTPC215W-A30WP1
				6 mm	RTPC215W-A60BC1	RTPC215W-A60WC1

**Upon customer request, RockTouch is able to customize the total design of the cover lenses including the color.