

# 3M MicroTouch™ Capacitive Touch Screens and Accessories



## ClearTek™ II Capacitive Touch Screens

### Features:

- Excellent light transmission of 91.5% (±1.5%) provides vibrant optical characteristics with optimal anti-glare properties
- Resilient top coat provides smooth, easy glide surface while offering durable scratch resistance
- Performance unaffected by everyday contaminants in the environment

**Note:** For detailed specifications, please see our website.

Size (Inch)	Flex Tail Length (Inch)	Digi-Key Part No.	Price Each			3M Part No.
			1	10	50	
6.71	4	3M5519-ND	98.60	84.10	77.14	17-8091-203
	8	3M5747-ND <b>NEW!</b>	98.60	84.10	77.14	17-8091-205
8.75	4	3M5520-ND	102.00	87.00	79.80	17-8921-203
	8	3M5521-ND	103.70	88.45	81.13	17-8021-203
10.83	4	3M5744-ND <b>NEW!</b>	103.70	88.45	81.13	17-8021-205
	8	3M5522-ND	125.80	107.30	98.42	17-8581-203
12.31	4	3M5522-ND	125.80	107.30	98.42	17-8581-203
	8	3M5754-ND <b>NEW!</b>	125.80	107.30	98.42	17-8581-205
15.68	4	3M5523-ND	168.30	143.55	131.67	17-8031-203
	8	3M5745-ND <b>NEW!</b>	168.30	143.55	131.67	17-8031-205
17.54	4	3M5524-ND	174.40	152.60	141.70	17-8421-203
	8	3M5748-ND <b>NEW!</b>	185.30	158.05	144.97	17-8421-205
19.75	4	3M5525-ND	184.00	161.00	149.50	17-8511-203
	8	3M5752-ND <b>NEW!</b>	195.50	166.75	152.95	17-8511-205
20.65	4	3M5526-ND	192.00	168.00	156.00	17-8441-203
	8	3M5750-ND <b>NEW!</b>	204.00	174.00	159.60	17-8441-205
31.80	8	3M5527-ND	868.80	760.20	705.90	17-8951-205

## Controllers

Interface	Sensor Support	Digi-Key Part No.	Price Each			3M Part No.
			1	10	50	
<b>EX II Capacitive Controllers</b>						
USB	ClearTek II	3M5539-ND	78.20	66.70	61.18	EXII-7710UC
		3M9138-ND <b>NEW!</b>	78.20	66.70	61.18	EXII-7760UC
USB 1x2	ClearTek II	3M9137-ND <b>NEW!</b>	78.20	66.70	61.18	EXII-7769UC
Serial	ClearTek II	3M5540-ND	78.20	66.70	61.18	EXII-7720SC
<b>MicroTouch SC Resistive Controllers</b>						
USB Serial	4-Wire	3M5541-ND	41.40	37.26	26.91	SC401U
		3M5542-ND	41.40	37.26	26.91	SC402S
USB Serial	5-Wire	3M5543-ND	41.40	37.26	26.91	SC501U
		3M5544-ND	41.40	37.26	26.91	SC502S
USB Serial	8-Wire	3M5545-ND	41.40	37.26	26.91	SC801U
		3M5546-ND	41.40	37.26	26.91	SC802S
<b>MicroTouch SC Series Resistive Chip Set</b>						
—	—	3M5547-ND	20.00	18.00	13.00	SCX-ASIC

## USB and Serial Cables

Description	Digi-Key Part No.	Price Each			3M Part No.
		1	10	50	
<b>SC Series Cables</b>					
USB, 5 pin, 96" (Pearl) .....	3M5548-ND	14.00	12.60	9.10	7319420
Serial, 8 pin, 96" (Teal) .....	3M5549-ND	14.00	12.60	9.10	7319630
<b>EX II Series Cables</b>					
RS-232, 7 pin, 96" (Pearl) .....	3M5551-ND	14.00	12.60	9.10	7310101
USB, 5 pin, 96" (Pearl) .....	3M5552-ND	14.00	12.60	9.10	7312256
USB, 5 pin, 23" (Black) .....	3M5554-ND	14.00	12.60	9.10	7315050
<b>Mounting Tape</b>					
VHB, 3/8 in. x 36 yards .....	3M5550-ND	61.20	52.20	47.88	24736

## NEW! ToughTouch II Capacitive Touch Systems (with USB Controllers)

ToughTouch II capacitive touch screens are an ideal solution for ruggedized self-service kiosks and ATM applications – environments where impact strength, shatter resistance, brighter displays, superior surface wear and viewer privacy are a requirement.

Size (Inch)	Flex Tail Length (Inch)	Digi-Key Part No.	Price Each			3M Part No.
			1	10	50	
15.90	8	3M5763-ND	440.30	375.55	344.47	87-4061-211
17.78	8	3M5764-ND	481.10	410.35	376.39	87-5961-211
19.83	8	3M5765-ND	520.20	443.70	406.98	87-6001-211

## NEW! ClearTek™ II Capacitive Touch Systems (with USB Controllers)

Size (Inch)	Flex Tail Length (Inch)	Digi-Key Part No.	Price Each			3M Part No.
			1	10	50	
15.68	8	3M9127-ND	246.50	210.25	192.85	17-8031-226
17.54	8	3M9128-ND	263.50	224.75	206.15	17-8421-226
20.65	8	3M9129-ND	282.20	240.70	220.78	17-8441-226
19.75	8	3M9130-ND	273.70	233.45	214.13	17-8511-226
26.28	8	3M9131-ND	521.90	445.15	408.31	17-8931-226

## NEW! Wide Aspect Ratio ClearTek™ II Capacitive Touch Systems (with USB Controllers)

Size (Inch)	Flex Tail Length (Inch)	Digi-Key Part No.	Price Each			3M Part No.
			1	10	50	
17.80	8	3M9133-ND	263.50	224.75	206.15	17-9241-226
19.34	8	3M9134-ND	273.70	233.45	214.13	17-9251-226
20.65	8	3M9135-ND	282.20	240.70	220.78	17-9261-226
22.37	8	3M9136-ND	282.20	240.70	220.78	17-9311-226
31.80	8	3M9132-ND	1001.30	854.05	783.37	17-8951-226



## Infrared Touch Screens



### E and K Series Infrared Touch Screens:

Infrared technology uses infrared emitter-collector pairs to project an invisible grid of light a small distance over the surface of the screen. When a beam is interrupted, the absence of the signal at the collector is detected and converted to an X/Y touch coordinate.

### Features:

- Super Transparency • High Resolution (Interpolated 4096 x 4096) • Fast response time • Versatile Touch Object • No Drift • Scratch Resistant • Water/Dust Resistant (IP65) • Sunlight Operable • Integrated Controller • Wide Temperature Range (-40°C - 70°C) • Robust Design • Long Life Expectancy

Size (Inch)	Outside Dimensions W x H x D (mm)	Port	Active Area W x H (mm)	Digi-Key Part No.	Price Each				IRTOUCH Systems Part No.
					1	10	50	100	
<b>E Series</b>									
6.4	165.6 x 133 x 8.7	RS-232 USB	130.6 x 98	653-1008-ND	108.00	94.50	81.00	67.50	E-64-C
				653-1009-ND	108.00	94.50	81.00	67.50	E-64-U
6.5	169 x 136 x 9.1	RS-232 USB	134 x 101	653-1010-ND	108.00	94.50	81.00	67.50	E-65-C
				653-1011-ND	108.00	94.50	81.00	67.50	E-65-U
8.4	210.6 x 161.6 x 6.8	RS-232 USB	171.6 x 128.6	653-1012-ND	138.24	120.96	103.68	86.40	E-84-C
				653-1013-ND	138.24	120.96	103.68	86.40	E-84-U
10.4	244.2 x 191.4 x 6.8	RS-232 USB	211.2 x 158.4	653-1014-ND	170.64	149.31	127.98	106.65	E-104-C
				653-1015-ND	170.64	149.31	127.98	106.65	E-104-U
12.1	281.9 x 220.7 x 6.8	RS-232 USB	246.4 x 185.2	653-1000-ND	192.24	168.21	144.18	120.15	E-12-C
				653-1001-ND	192.24	168.21	144.18	120.15	E-12-U
15.1	342 x 266 x 6.8	RS-232 USB	306 x 230	653-1002-ND	222.48	194.67	166.86	139.05	E-15-C
				653-1003-ND	222.48	194.67	166.86	139.05	E-15-U
17	376 x 308 x 6.8	RS-232 USB	340 x 272	653-1004-ND	250.56	219.24	187.92	156.60	E-17-C
				653-1005-ND	250.56	219.24	187.92	156.60	E-17-U
19	414 x 339 x 6.8	RS-232 USB	378 x 303	653-1006-ND	295.92	258.93	221.94	184.95	E-19-C
				653-1007-ND	295.92	258.93	221.94	184.95	E-19-U
<b>K Series - Side Mount</b>									
12	327.2 x 237.2 x 10.3	RS-232 USB	246 x 185	653-1016-ND	222.48	194.67	166.86	139.05	K-12-C
				653-1017-ND	222.48	194.67	166.86	139.05	K-12-U
15	395 x 283.2 x 10.3	RS-232 USB	307 x 231	653-1018-ND	257.04	224.91	192.78	160.65	K-15-C
				653-1019-ND	257.04	224.91	192.78	160.65	K-15-U
17	429.2 x 331.2 x 11.0	RS-232 USB	338.5 x 271	653-1020-ND	287.28	251.37	215.46	179.55	K-17-C
				653-1021-ND	287.28	251.37	215.46	179.55	K-17-U
19	460.2 x 352.1 x 11.0	RS-232 USB	376.1 x 301.1	653-1022-ND	341.28	298.62	255.96	213.30	K-19-C
				653-1023-ND	341.28	298.62	255.96	213.30	K-19-U

More Product Available Online: [www.digkey.com](http://www.digkey.com)

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