

# 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	71.58	61.06	56.01	17-8091-203
	8	3M5747-ND	71.58	61.06	56.01	
8.75	4	3M5520-ND	74.05	63.17	57.94	17-8921-203
	8	3M5521-ND	75.29	64.22	58.91	
10.83	4	3M5744-ND	75.29	64.22	58.91	17-8021-205
	8	3M5522-ND	91.33	77.90	71.46	
12.31	4	3M5522-ND	91.33	77.90	71.46	17-8581-203
	8	3M5754-ND	91.33	77.90	71.46	
15.68	4	3M5523-ND	122.19	104.22	95.60	17-8031-203
	8	3M5745-ND	122.19	104.22	95.60	
17.54	4	3M5524-ND	126.61	110.79	102.88	17-8421-203
	8	3M5748-ND	134.53	114.75	105.25	
19.75	4	3M5525-ND	133.58	116.89	108.54	17-8511-203
	8	3M5752-ND	141.93	121.07	111.05	
20.65	4	3M5526-ND	139.39	121.97	113.26	17-8441-203
	8	3M5750-ND	148.10	126.33	115.87	
31.80	8	3M5527-ND	630.75	551.91	512.49	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	56.77	48.43	44.42	EXII-7710UC
		3M9138-ND	56.77	48.43	44.42	EXII-7760UC
USB 1x2	ClearTek II	3M9137-ND	56.77	48.43	44.42	EXII-7769UC
Serial	ClearTek II	3M5540-ND	56.77	48.43	44.42	EXII-7720SC
<b>MicroTouch SC Resistive Controllers</b>						
USB Serial	4-Wire	3M5541-ND	30.06	27.06	19.54	SC401U
		3M5542-ND	30.06	27.06	19.54	SC402S
USB Serial	5-Wire	3M5543-ND	30.06	27.06	19.54	SC501U
		3M5544-ND	30.06	27.06	19.54	SC502S
USB Serial	8-Wire	3M5545-ND	30.06	27.06	19.54	SC801U
		3M5546-ND	30.06	27.06	19.54	SC802S
<b>MicroTouch SC Series Resistive Chip Set</b>						
—	—	3M5547-ND	14.52	13.07	9.44	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	10.16	9.15	6.61	7319420
Serial, 8 pin, 96" (Teal) .....	3M5549-ND	10.16	9.15	6.61	7319630
<b>EX II Series Cables</b>					
RS-232, 7 pin, 96" (Pearl) .....	3M5551-ND	10.16	9.15	6.61	7310101
USB, 5 pin, 96" (Pearl) .....	3M5552-ND	10.16	9.15	6.61	7312256
USB, 5 pin, 23" (Black) .....	3M5554-ND	10.16	9.15	6.61	7315050
<b>Mounting Tape</b>					
VHB, 3/8 in. x 36 yards .....	3M5550-ND	44.43	37.90	34.77	24736

## 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	319.66	272.65	250.09	87-4061-211
17.78	8	3M5764-ND	349.28	297.92	273.26	87-5961-211
19.83	8	3M5765-ND	377.67	322.13	295.47	87-6001-211

## 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	178.96	152.65	140.01	17-8031-226
17.54	8	3M9128-ND	191.30	163.17	149.67	17-8421-226
20.65	8	3M9129-ND	204.88	174.75	160.29	17-8441-226
19.75	8	3M9130-ND	198.71	169.49	155.46	17-8511-226
26.28	8	3M9131-ND	378.90	323.18	296.44	17-8931-226

## 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	191.30	163.17	149.67	17-9241-226
19.34	8	3M9134-ND	198.71	169.49	155.46	17-9251-226
20.65	8	3M9135-ND	204.88	174.75	160.29	17-9261-226
22.37	8	3M9136-ND	204.88	174.75	160.29	17-9311-226
31.80	8	3M9132-ND	726.94	620.04	568.73	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	78.41	68.61	58.81	49.01	E-64-C
				653-1009-ND	78.41	68.61	58.81	49.01	E-64-U
6.5	169 x 136 x 9.1	RS-232 USB	134 x 101	653-1010-ND	78.41	68.61	58.81	49.01	E-65-C
				653-1011-ND	78.41	68.61	58.81	49.01	E-65-U
8.4	210.6 x 161.6 x 6.8	RS-232 USB	171.6 x 128.6	653-1012-ND	100.36	87.82	75.28	62.73	E-84-C
				653-1013-ND	100.36	87.82	75.28	62.73	E-84-U
10.4	244.2 x 191.4 x 6.8	RS-232 USB	211.2 x 158.4	653-1014-ND	123.88	108.40	92.92	77.43	E-104-C
				653-1015-ND	123.88	108.40	92.92	77.43	E-104-U
12.1	281.9 x 220.7 x 6.8	RS-232 USB	246.4 x 185.2	653-1000-ND	139.57	122.12	104.68	87.23	E-12-C
				653-1001-ND	139.57	122.12	104.68	87.23	E-12-U
15.1	342 x 266 x 6.8	RS-232 USB	306 x 230	653-1002-ND	161.52	141.33	121.15	100.96	E-15-C
				653-1003-ND	161.52	141.33	121.15	100.96	E-15-U
17	376 x 308 x 6.8	RS-232 USB	340 x 272	653-1004-ND	181.91	159.17	136.43	113.70	E-17-C
				653-1005-ND	181.91	159.17	136.43	113.70	E-17-U
19	414 x 339 x 6.8	RS-232 USB	378 x 303	653-1006-ND	214.84	187.99	161.13	134.28	E-19-C
				653-1007-ND	214.84	187.99	161.13	134.28	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	161.52	141.33	121.15	100.96	K-12-C
				653-1017-ND	161.52	141.33	121.15	100.96	K-12-U
15	395 x 283.2 x 10.3	RS-232 USB	307 x 231	653-1018-ND	186.61	163.29	139.96	116.64	K-15-C
				653-1019-ND	186.61	163.29	139.96	116.64	K-15-U
17	429.2 x 331.2 x 11.0	RS-232 USB	338.5 x 271	653-1020-ND	208.57	182.50	156.43	130.36	K-17-C
				653-1021-ND	208.57	182.50	156.43	130.36	K-17-U
19	460.2 x 352.1 x 11.0	RS-232 USB	376.1 x 301.1	653-1022-ND	247.77	216.80	185.83	154.86	K-19-C
				653-1023-ND	247.77	216.80	185.83	154.86	K-19-U

**Free shipping on orders over £50! All prices are in British pound sterling and include duties.**

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

(UK091) 2283

N