

# 3M TOUCH SYSTEMS Touch Screens and Accessories *MicroTouch*



**This product is RoHS compliant.**

3M Touch Systems offers a wide portfolio of touch technologies and touch products with a commitment to ease of integration, responsiveness, reliability and simplicity of use. With its world-class support and service organization, 3M provides expert technical consulting service and support wherever any of our products are designed, integrated or delivered. It is this complete solution approach that ensures remarkable compatibility and exceptional service, backed by 3M.

## MICROTOUCH™ CLEARTEK™ II TOUCH SENSORS

ClearTek™ II Touch Sensors offer a high-endurance capacitive touch solution that shrugs off on-screen contaminants such as chemicals, grease, dirt, and water without interrupting operation. Ideal for touch applications where exceptional performance, vibrant optics and environmental robustness is mission critical, 24-hours a day, 7 days a week.

**Features:**

- 91.5%(±1.5%) light transmission
- Resilient top coat
- 1024 x 1024 Resolution
- 3.18mm (±0.25mm) Glass thickness
- 6.4" to 32" diagonal Display size
- Operating Temperature -15°C to 70°C
- Note: All sensors have 8" Flex Tail

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Description	Price Each		
				1	10	50
<a href="#">517-17-8091-205</a>	17-8091-205	A	6.71" with 5 Pin Locking Amp			
<a href="#">517-17-8021-205</a>	17-8021-205	A	10.83" with 5 Pin Locking Amp			
<a href="#">517-17-8581-205</a>	17-8581-205	A	12.31" with 5 Pin Locking Amp			
<a href="#">517-17-8031-205</a>	17-8031-205	A	15.68" with 5 Pin Locking Amp			
<a href="#">517-17-8031-225</a>	17-8031-225	B	15.68" with USB controller			
<a href="#">517-17-8421-225</a>	17-8421-225	B	17.54" with USB controller			
<a href="#">517-17-9241-225</a>	17-9241-225	B	17.80" wide aspect with USB controller			
<a href="#">517-17-9251-225</a>	17-9251-225	B	19.34" wide aspect with USB controller			
<a href="#">517-17-8511-205</a>	17-8511-205	A	19.75" with 5 Pin Locking Amp			
<a href="#">517-17-8511-225</a>	17-8511-225	B	19.75" with USB controller			
<a href="#">517-17-8441-205</a>	17-8441-205	A	20.65" with 5 Pin Locking Amp			
<a href="#">517-17-8441-225</a>	17-8441-225	B	20.65" with USB controller			
<a href="#">517-17-9261-225</a>	17-9261-225	B	20.65" wide aspect with USB controller			
<a href="#">517-17-9311-225</a>	17-9311-225	B	22.37" wide aspect with USB controller			
<a href="#">517-17-8931-225</a>	17-8931-225	B	26.28" wide aspect with USB controller			
<a href="#">517-17-8951-205</a>	17-8951-205	A	31.80" wide aspect with 5 Pin Locking Amp			
<a href="#">517-17-8951-225</a>	17-8951-225	B	31.80" wide aspect with USB controller			

## MICROTOUCH™ TOUGHTOUCH II TOUCH SENSORS

ToughTouch II is 3M's most rugged capacitive touch product and its construction combines a MicroTouch ClearTek II capacitive touch sensor with a 4mm glass layer optically laminated to the back. With an overall thickness of 8mm, ToughTouch II is an ideal touch solution for unsupervised, vandal-prone environments where ruggedized a ruggedized, shatter-resistance touch solution is a must.

**Features:**

- 86.5% (± 1.5%) light transmission
- 7.57mm (± 0.58mm) Glass Thickness
- 6.5" to 32" diagonal Display size
- Operating Temperature -15°C to 70°C
- 1024 x 1024 Resolution
- Scratch resistant top coat

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Description	1	10	50
<a href="#">517-87-4061-211</a>	87-4061-211	C	15.90" 8" Cable w/EXII-7710UC			
<a href="#">517-87-5961-211</a>	87-5961-211	C	17.78" 8" Cable w/EXII-7710UC			
<a href="#">517-87-6001-211</a>	87-6001-211	C	19.83" 8" Cable w/EXII-7710UC			

## MICROTOUCH™ EX II TOUCH CONTROLLERS

MicroTouch™ EX II Controllers bring flexibility and feature-rich functionality to capacitive and resistive touch screen applications. With expanded regulatory approvals, improved power modes, and enhanced ESD and EMI protection, this controller series is a robust solution for popular touch applications.

**Features:**

- Standard-setting ESD and EMI protection
- Wide operating temperature

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Dimensions (mm)	Power Requirements	Price Each		
					1	10	50
<a href="#">517-EXII-7760UC</a>	EXII-7760UC	D	33.0 x 65.0 x 11.4	5Vdc ± 5% 105mA			
<a href="#">517-EXII-7719UC</a>	EXII-7719UC	D	33.0 x 65.0 x 11.4	5Vdc ± 5% 105mA			
<a href="#">517-EXII-7720SC</a>	EXII-7720SC	D	33.0 x 65.0 x 11.4	5-12Vdc ± 5% 85mA			

## MICROTOUCH™ SC SERIES TOUCH CONTROLLERS

MicroTouch™ SC Controllers support 4-, 5-, and 8-wire resistive touch screens. The high performance feature set with state-of-the-art components provides USB, HID and WHQL compliance.

**Features:**

- Fast and accurate touch response.
- Supports 4-, 5-, and 8-wire resistive touch screens.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Dimensions (mm)	Power Requirements	1	10	50
<a href="#">517-SC401U</a>	SC401U	E	67.8 x 33.0 x 11.4	5Vdc ±10% 15mA			
<a href="#">517-SC402S</a>	SC402S	E	69.1 x 39.9 x 11.4	12Vdc ±5% 19mA			
<a href="#">517-SC501U</a>	SC501U	E	72.4 x 33.0 x 11.4	5Vdc ±10% 15mA			
<a href="#">517-SC502S</a>	SC502S	E	70.4 x 39.9 x 11.4	12Vdc ±5% 19mA			
<a href="#">517-SC801U</a>	SC801U	E	69.9 x 33.0 x 11.4	dc ±10% 15mA			
<a href="#">517-SC802S</a>	SC802S	E	71.6 x 39.9 x 11.4	12Vdc ±5% 19mA			
<a href="#">517-SCX-ASIC</a>	SCX-ASIC	E	-----	Based on design			

## MICROTOUCH™ COMMUNICATION CABLES

Controller-to-CPU communication cables

For quantities of 100 and up, call for quote.

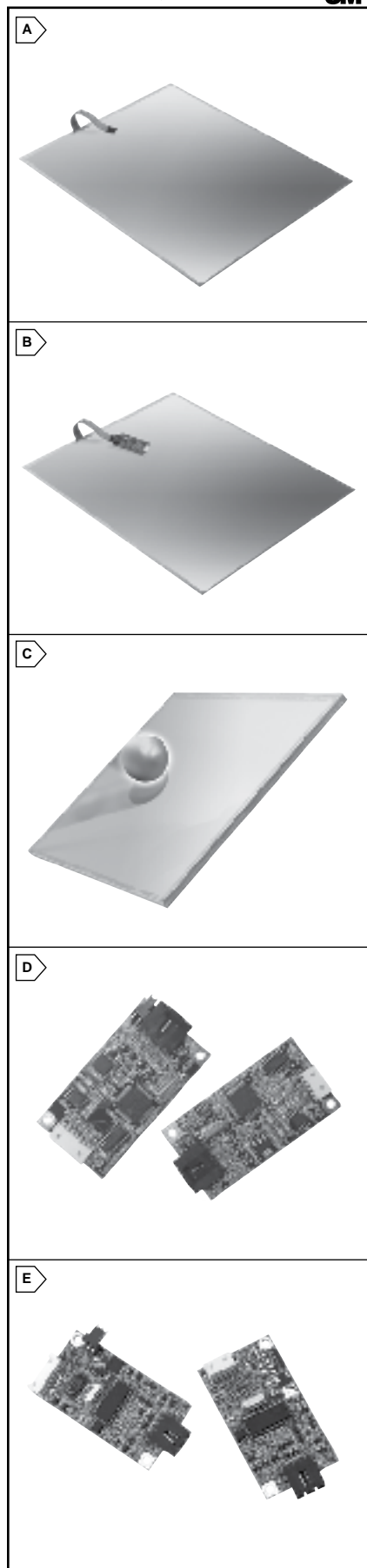
MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Description	Price Each		
				1	10	50
<a href="#">517-7310101</a>	7310101	--	CBL RS232, 2mm, 96"			
<a href="#">517-7312256</a>	7312256	--	CBL USB Type A, 2mm, 96"			
<a href="#">517-7315050</a>	7315050	--	CBL USB Type A, 2mm, 23"			
<a href="#">517-7319420</a>	7319420	--	CBL USB Type A, WHQL for SCxxx, 2mm, 96"			
<a href="#">517-7319630</a>	7319630	--	CBL RS232 Plug/Play for SCxxx, 96"			

## 3M VHB FOAM TAPE

3M VHB double-coated acrylic foam tapes utilize high performance adhesives which have excellent long-term holding power and are a preferred method for mounting touch sensors to LCD displays.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Thickness	Price Each		
				1	10	50
<a href="#">517-24736</a>	24736	--	50 x 0.062			



Displays 3M