3M TOUCH SYSTEMS Touch Screens and Accessories *MicroTouch*

3M

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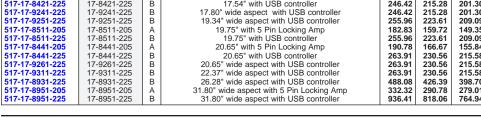
Features:
- 91.5%(±1.5%) light transmission
- Resilient top coat
- 1024 x 1024 Resolution
- 3.18mm (±0.25mm) Glass thickness
- 6.4" to 32" diagonal Display size
- Operating Temperature -15°C to 70°C
- Note: All sensors have 8" Flex Tail

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Description	Price Each 1	10	50
517-17-8091-205	17-8091-205	A	6.71" with 5 Pin Locking Amp	92.21	80.56	75.32
517-17-8021-205	17-8021-205	A	10.83" with 5 Pin Locking Amp	96.98	84.72	79.22
517-17-8581-205	17-8581-205	A	12.31" with 5 Pin Locking Amp	117.65	102.78	96.10
517-17-8031-205	17-8031-205	A	15.68" with 5 Pin Locking Amp	157.39	137.50	128.57
517-17-8031-225	17-8031-225	B	15.68" with USB controller	230.52	201.39	188.31
517-17-8421-225	17-8421-225	B	17.54" with USB controller	246.42	215.28	201.30
517-17-9241-225	17-9241-225	B	17.80" wide aspect with USB controller	246.42	215.28	201.30
517-17-9251-225	17-9251-225	B	19.34" wide aspect with USB controller	255.96	223.61	209.09
517-17-8511-205	17-8511-205	A	19.75" with 5 Pin Locking Amp	182.83	159.72	149.35
517-17-8511-225	17-8511-225	B	19.75" with USB controller	255.96	223.61	209.09
517-17-8441-205	17-8441-205	A	20.65" with 5 Pin Locking Amp	190.78	166.67	155.84
517-17-8441-225	17-8441-225	B	20.65" with USB controller	263.91	230.56	215.58
517-17-9261-225	17-9261-225	B	20.65" wide aspect with USB controller	263.91	230.56	215.58
517-17-9311-225	17-9311-225	B	22.37" wide aspect with USB controller	263.91	230.56	215.58
517-17-8931-225	17-8931-225	B	26.28" wide aspect with USB controller	488.08	426.39	398.70
517-17-8951-205	17-8951-205	A	31.80" wide aspect with 5 Pin Locking Amp	332.32	290.78	279.01
517-17-8951-225	17-8951-225	B	31.80" wide aspect with USB controller	936.41	818.06	764.94

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 Part No.	Fig.	Description	1	10	50
517-87-4061-211	87-4061-211	C	15.90" 8" Cable w/EXII-7710UC	411.76	359.72	336.36
517-87-5961-211	87-5961-211	C	17.78" 8" Cable w/EXII-7710UC	449.92	393.06	367.53
517-87-6001-211	87-6001-211	C	19.83" 8" Cable w/EXII-7710UC	486.49	425.00	397.40

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
517-EXII-7760UC	EXII-7760UC	D	33.0 x 65.0 x 11.4	5Vdc ± 5% 105mA	91.00	63.89	59.74
517-EXII-7719UC	EXII-7719UC	D	33.0 x 65.0 x 11.4	5Vdc ± 5% 105mA	91.00	63.89	59.74
517-EXII-7720SC	EXII-7720SC	D	33.0 x 65.0 x 11.4	5-12Vdc ± 5% 85mA	75.20	63.89	59.74

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 Part No.	Fig.	Dimensions	Power	1	10	50
517-SC401U	SC401U	E	67.8 x 33.0 x 11.4	5Vdc ±10% 15mA	41.00	28.75	26.88
517-SC402S	SC402S	E	69.1 x 39.9 x 11.4	12Vdc ±5% 19mA	41.00	28.75	26.88
517-SC501U	SC501U	E	72.4 x 33.0 x 11.4	5Vdc ±10% 15mA	41.00	28.75	26.88
517-SC502S	SC502S	E	70.4 x 39.9 x 11.4	12Vdc ±5% 19mA	41.00	28.75	26.88
517-SC801U	SC801U	E	69.9 x 33.0 x 11.4	dc ±10% 15mA	41.00	28.75	26.88
517-SC802S	SC802S	E	71.6 x 39.9 x 11.4	12Vdc ±5% 19mA	41.00	28.75	26.88
517-SCX-ASIC	SCX-ASIC	E	---------------	Based on design	19.00	13.89	12.99

MICROTOUCH™ COMMUNICATION CABLES

Controller-to-CPU communication cables
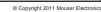
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Touch Systems Part No.	Fig.	Description	Price Each 1	10	50
517-7310101	7310101	- -	CBL RS232, 2mm, 96"	14.00	12.60	11.50
517-7312256	7312256	- -	CBL USB Type A, 2mm, 96"	18.00	12.50	11.69
517-7315050	7315050	- -	CBL USB Type A, 2mm, 23"	18.00	12.49	11.68
517-7319420	7319420	- -	CBL USB Type A, WHQL for SCxxx, 2mm, 96"	18.00	12.49	11.68
517-7319630	7319630	- -	CBL RS232 Plug/Play for SCxxx, 96"	18.00	12.49	11.68

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
517-24736	24736	- -	50 x 0.062	58.32	50.00	46.75

Displays

3M