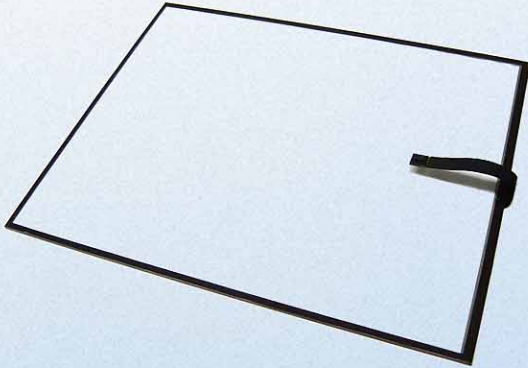


Tuffglas™ Capacitive Sensors

uTouch™ Capacitive Controllers RS-232 / USB Input Interface



Innovation Happens™

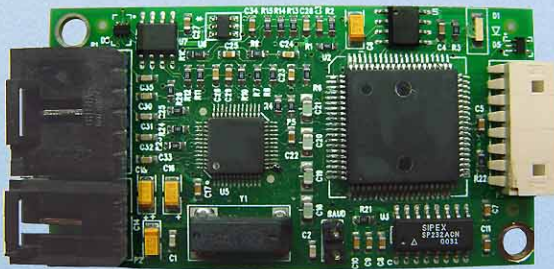


Tuffglas™ Capacitive Sensors

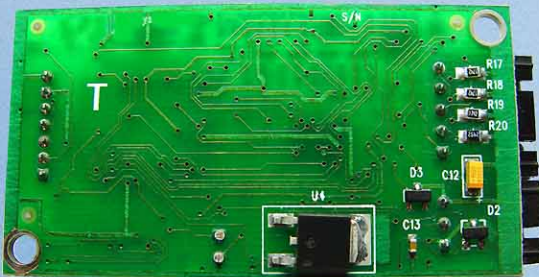
- Tuffglas™ Top Coating Provides Optimized Sensing Accuracy
- Noise Shield Offers Unparalleled Performance In Adverse Environment
- Copper EMI Tape Serves as Additional Protection Against Noise
- Optimized Optics for 93% Light Transmission
- Tuffglas™ Anti-glare Coating as a Gaming Standard

uTouch™ Capacitive Controllers

- Drop-in Replacement and Modularity
- Compatible with Competitive Touchscreen Products
- Sold Separately or Solution Integrated for All Usage Requirements
- Cost-savings Replacement Without Sacrificing Manufacturing Standards
- Built by the Industry's Leading Innovators



NOT ACTUAL SIZE



Model Number		uTouch BLUTC803 / BLUTC903 Capacitive Controller	
uTouch™ Controller	Compatibility	3M/Microtouch™ SMT2/SMT3 Series of Touchscreen Systems *	
	Interface	RS-232 / USB	
	Serial/USB I/O	Housing	7-pin Low-profile, Polarized Housing
		Harness	Molex 51004-0700 or 30452-0700 Connector
	Power Input	Housing	3-pin Polarized Latching Housing
		Harness	AMP 103959-2 or 103956-2 Connector
		Input	Regulated +5 VDC or Unregulated +7 ~ 16 VDC
	Touchscreen	Harness	5-pin Polarized Latching Housing
		Input	Low-profile AMP 103959-4 Connector
	uProcessor	Microcontroller with OTP Memory and Firmware	
LED Signal	To Indicate Either Error Code or Touch Condition		
Jumper	Factory	Pins 1 & 2 Shorted: Factory Default Settings	
Settings	User	Pins 1 & 2 Open: User Settings Saved in NOVRAM	
Tuffglas™ Touchscreen	Input Device	Finger Touch	
	Resolution	1024 x 1024 Under Normal Operating Conditions	
	Accuracy	Within 1% Relative to Total Area of Screen	
	Finish	Scratch-resistant Top Coating	
	Noise Shield	Back Side Coating Shields Against Formidable Gaming Environments	
	Linearity	±1.5% error or less for X axis ±1.5% error or less for Y axis	
	Transmittance	85% to 93% per ASTM D1003	
	Thickness	3 mm	
Highlights	Hardness	Mohs Rating of 7 or More Would Cause Malfunction	
Resistance	Mounting	Double-sided Adhesive with Protective, Anti-static Tape	
	Cleaning	Non-abrasive Cleaners	
	Liquid	Liquid	Liquids Are Not Impeding To Functionality
		Chemical	Resistant to Corrosives, in accordance with ASTM-D-1308 and ASTM-D-F-1598
		Insulation	20M Ω or more @ DC 25V
	Temperature	Operation	- 20 to 70 degrees Celsius
		Storage	- 40 to 85 degrees Celsius
Hi Temp & Humidity	70 degrees Celsius and 90% RH for 120hours		

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