

Digital Matrix Resistive, Multiple Activations And Touch Points.



Benefits

- Supports 10 simultaneous activations
- Interfaces with SPI, IC² and USB
- Single chip multi-touch controller
- No EMI shielding required
- No calibration needed
- Glove hand activation
- 128 programmable rows/columns for touch sensing

Bergquist Digital Matrix Resistive touch technology, is ideally suited for industrial and rugged applications, where a multi-touch solution is needed along with the stability of resistive technology. Unlike Projected Capacitive, the Bergquist Digital Matrix Resistive Touch Screen does not have a signal to noise interference, therefore, EMI shielding is not required.

Bergquist Digital Matrix Resistive Touch Screens offer excellent optical performance, while maintaining superior resolution. These screens can be activated using your finger; stylus pen, or any input device, even your gloved hand. Bergquist offers a line of standard products or can create custom designs to meet your specific application needs and IC interface requirements.

Digital Matrix Resistive Touch Specifications	
Linearity	X \leq 2%, Y \leq 2%
Resolution	2368 x 1728
Operating Temperature	-10°C to +60°C
Storage Temperature	-20°C to +70°C
Constant Temperature / Humidity	60°C / 90% RH, 120 hrs, normalized for 4 hours
High Temperature	60°C / 120 hrs, normalized for 4 hours
Low Temperature	-30°C / 120 hrs, normalized for 4 hours
Thermal Cycle	-30°C ~ +70°C (60 min/cycle) *10 cycles normalized for 4 hours
Connection Tail	FPC
Surface Hardness	3H pencil, pressure 750g/45°
Activation Force	<15g
Structure	ITO Glass
Transparency	80% \pm 3%
Haze	8% \pm 3%



Applications

- POS signature capture applications
- Industrial/Rugged devices
- Medical
- Military
- Larger format applications 7" to 15.6"