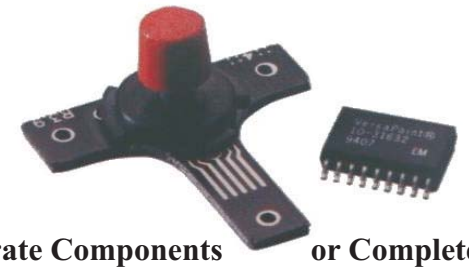
Micro Joystick

Pointing Device for OEM Integration

- Compact, Fits Anywhere
- Durable & Reliable
- User Preferred
- Cost Effective

INTERLINK ELECTRONICS

Micro Joystick



Separate Components or Complete Assemblies

The Micro Joystick, VersaPoint micro-controller, click switches, and supporting electronics are available as separate components, or as a complete sub-assembly. This gives a system designer the maximum flexibility in layout, placement and ergonomics. Custom caps can even be added to enhance product differentiation by providing a unique feel and look.

Durable & Reliable

As with all VersaPoint products, the Micro Joystick has no moving parts or complicated assemblies to gum up, wear out or be cleaned - it's maintenance free!

User Preferred

The Micro Joystick is an isometric device with only a minimal amount of stick flex. This stiffness maximizes sensitivity and control precision. The touch of a fingertip simultaneously controls cursor direction and speed. Crawl pixel-to-pixel with a light touch or increase pressure to zip the cursor across the screen-in any and all directions, from straight lines to smooth curves and circles.

Cost Effective

The patented VersaPoint technology is less expensive than conventional encoder or strain gauge cursor control technologies. The modular build of the Micro Joystick also simplifies design-in, integration and quality testing.

A Variety of Applications

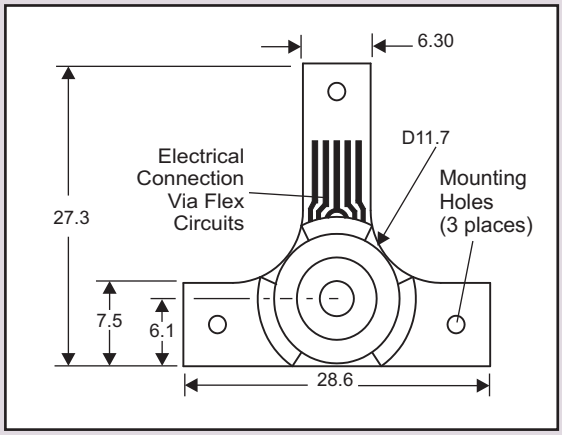
The miniature size of the Micro Joystick permits integration into even the tightest spaces-in the deck or keyboard of notebook and subnotebook computers, between or around desktop keyboard keys, in small hand-held remote controllers, and in cramped instrument control panels.

OEM Starter Kit Available

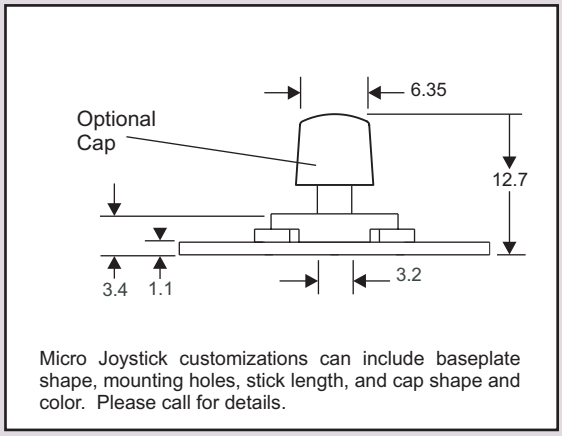
Includes: 2 Micro Joysticks, a serial and PS/2 interface with cables, documentation and drivers-everything needed for an evaluation.

How It Works -

VersaPoint Pressure-Pointing Technology gives total cursor control through the simple touch of a finger or thumb. Directional control is achieved by applying pressure in the direction of desired movement. Speed is controlled by altering the amount of applied pressure. The result is smooth cursor movement in any direction, from a precise crawl to a screen-crossing zip.



All dimensions in millimeters.



Micro Joystick customizations can include baseplate shape, mounting holes, stick length, and cap shape and color. Please call for details.

- **SPECIFICATIONS:**

Cursor Directional Control:	Continous 360° control
Cursor Speed Control:	Proportional to applied force
Hardware Interfaces:	RS232C serial & PS/2 mouse port
Data Formats:	Microsoft & PS/2 two button mouse
Software Compatibility:	Plug-and-Plug with MS-DOS 2.0, Windows 3.0 and OS/2 2.0 or newer; VersaPoint DOS and Windows mouse drivers available
Use Force (Joystick):	20g to 150g, typical
Deflection at Max Use Force:	Approximately 4°, 0.7mm
Lifetime:	for 10mm stick
Temperature:	Greater than 5 million cycles Operating: 0° C to +70° C (+32°F to +158°F) Storage: -40° C to +85° C (-40°F to +185°F)
Humidity:	5 - 95% RH, non condensing
Power Supply:	5 VDC ± 10%, or 3.3 VDC ±10%
Power Consumption:	5 VDC typical <5mA, idle <3mA 3.3 VDC typical <3mA, idle <1.5mA
ESD Susceptibility:	IEC 801-2, level 4 (no errors at 15kV)*
EMI:	FCC Rule 15, Class B Certifiable*
SHock:	80G acceleration, 11 msec, half-sine*
Vibration:	MIL STD 202, Method 204, Condition A
Stick Strength:	Shear: 30N, Pull: 50N, Push: 100N
UL:	All materials UL grade 94 V-1 or better

*when properly integrated

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