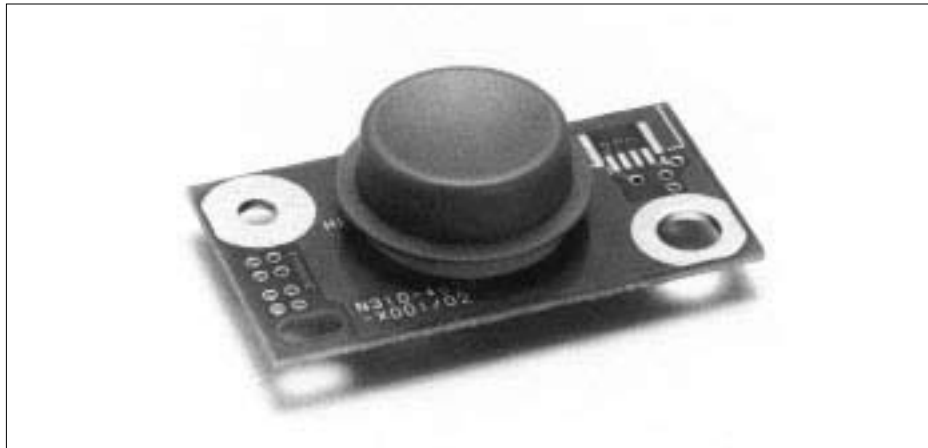


# POINTING DEVICE

## FID-828 ErgoTrac Sensor



### ■ FEATURES

- Miniature size
  - Can easily be designed into a keyboard or product enclosure
  - Single keycap space
- Long life and high reliability
  - Unique magnetic field detection technology
  - No mechanical contact to wear out
- Smooth operation
  - Light touch
  - Acceleration control
  - Stable operation in any direction
- RoHS compliant

### ■ MAIN APPLICATIONS

- Handheld and Notebook computers
- Windows® based applications
- Multi-media equipment
- GPS

### ■ CONFIGURATION

- Sensor assembly PC board

# FID-828 SERIES

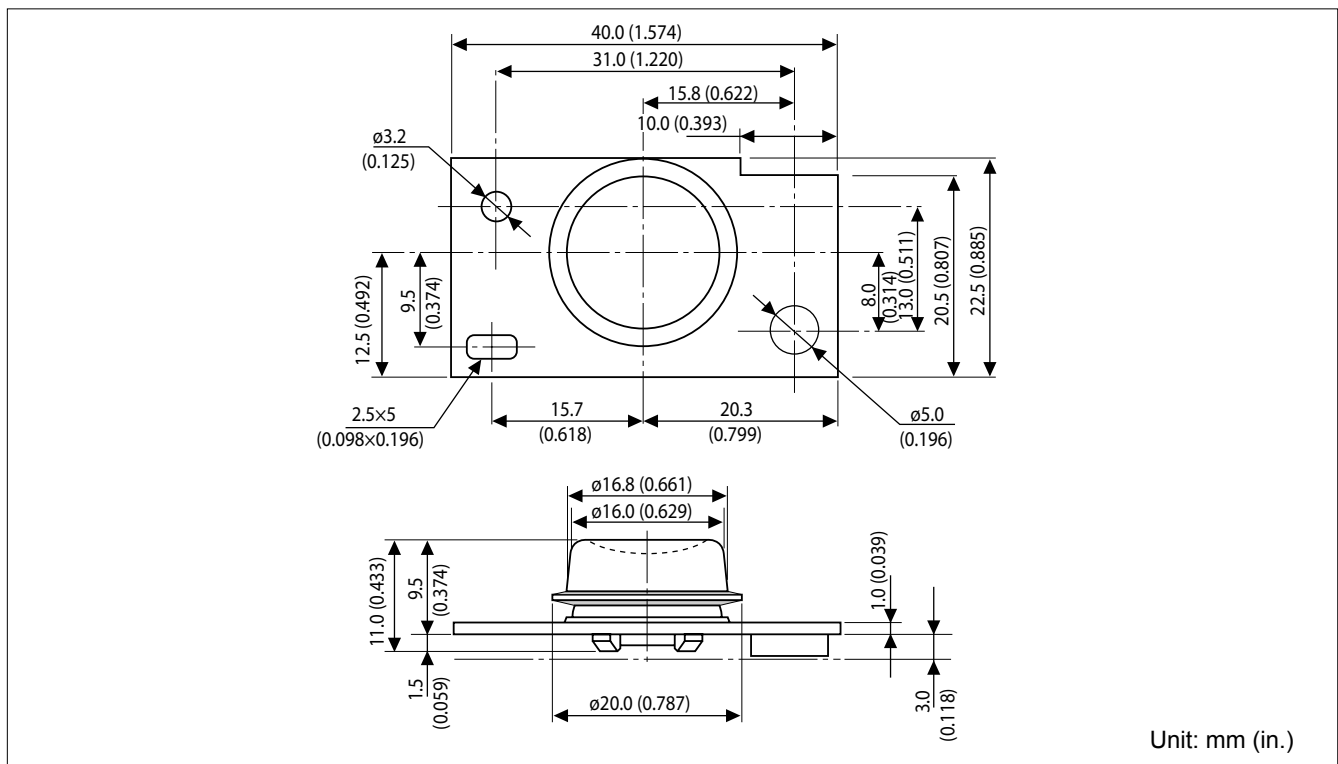
## ■ SPECIFICATIONS

Item		Specification
Mechanical	Detection Method	Unique magnetic field detection technology
	Operation Force	200 gf (7.04 oz.) typ.
	Operating Life	1 M strokes min.
	Weight	15 g (0.528 oz.) typ.
Electrical	Power Supply	+5 V DC, 10 mA max.
	Interface Connector	X/Y analog output Burndy P/N SFW 4R-1STE1 or equivalent
Environment	Operating Temperature	0 to 40°C
	Storage Temperature	-15 to 60°C
	Humidity	90% RH max. at +40°C max. inversely proportional change to 50% RH

## ■ PART NUMBERS

Parts Number	Part Name	Interface
FID-828-100/20	Sensor	X/Y analog output, RoHS compliant
FID-828-100	Sensor	X/Y analog output, Non-RoHS compliant
N01B-4824-B406	MCU	32 pin SOP; PS/2 output, RoHS compliant

## ■ DIMENSIONS



## Fujitsu Components International Headquarter Offices

### Japan

Fujitsu Component Limited  
Gotanda-Chuo Building  
3-5, Higashigotanda 2-chome, Shinagawa-ku  
Tokyo 141, Japan  
Tel: (81-3) 5449-7010  
Fax: (81-3) 5449-2626  
Email: [promothq@ft.ed.fujitsu.com](mailto:promothq@ft.ed.fujitsu.com)  
Web: [www.fcl.fujitsu.com](http://www.fcl.fujitsu.com)

### North and South America

Fujitsu Components America, Inc.  
250 E. Caribbean Drive  
Sunnyvale, CA 94089 U.S.A.  
Tel: (1-408) 745-4900  
Fax: (1-408) 745-4970  
Email: [components@us.fujitsu.com](mailto:components@us.fujitsu.com)  
Web: <http://www.fujitsu.com/us/services/edevice/components/>

### Europe

Fujitsu Components Europe B.V.  
Diamantlaan 25  
2132 WV Hoofddorp  
Netherlands  
Tel: (31-23) 5560910  
Fax: (31-23) 5560950  
Email: [info@fceu.fujitsu.com](mailto:info@fceu.fujitsu.com)  
Web: [emea.fujitsu.com/components/](http://emea.fujitsu.com/components/)

### Asia Pacific

Fujitsu Components Asia Ltd.  
102E Pasir Panjang Road  
#01-01 Citilink Warehouse Complex  
Singapore 118529  
Tel: (65) 6375-8560  
Fax: (65) 6273-3021  
Email: [fcal@fcal.fujitsu.com](mailto:fcal@fcal.fujitsu.com)  
Web: <http://www.fujitsu.com/sg/services/micro/components/>

©2006 Fujitsu Components America, Inc. All rights reserved. All trademarks or registered trademarks are the property of their respective owners.

Fujitsu Components America or its affiliates do not warrant that the content of datasheet is error free. In a continuing effort to improve our products Fujitsu Components America, Inc. or its affiliates reserve the right to change specifications/datasheets without prior notice.  
Rev. May16/2006

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Fujitsu:](#)

[FID-828-100/20](#)