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Find the *BEI TBS20-200-1-5-1* at our website: *Click HERE*

MODEL TBS200

Low-Profile Panel Mount Trackball



With the drive to ever more compact systems, the TBS200 provides an ideal solution for highly precise control in a smaller package. The TBS200 offers many of the same attributes as the TBS225, but its lower profile consumes a mere 1.5 inches of below panel space. This trackball series has found wide use in industrial machine control, medical equipment, video mixing machines and graphic workstations.

The TBS200's sealed ball, 3-point stainless steel ball suspension, and precision encoders provide excellent feel and reliable operation in less than ideal environments. With a built-in drain plug for ease in spills cleanup, the TBS200 is one of BEI's most versatile trackballs. And it is easily used "by feel" or with gloves due to its large 2" diameter ball.

The TBS200 is easily integrated into a wide variety of systems. Its low profile allows easy integration in compact systems, and its low power consumption makes it ideal for battery powered applications.

This trackball is an excellent choice for commercial or industrial applications.
Call one of our applications engineeers today and get the precision low-profile option.

Specifications

Mechanical

Weight: 8 oz. MAX

Ball Diameter: 2.00"

Housing Size: 3.25" SQ. X 1.5"

Tracking Force: 1.5 to 2.0 oz

Mounting Surface: 45˚ MAX from horizontal

Electrical

Resolution: 200 cycles per one full revolution of ball

Supply Voltage: +5 VDC @ 10mA

Output : 2 channels in quadrature (TTL/CMOS)

Mouse Compatibility: PS/2

Interface Connector:

8 Pin Modular Phone Jack (Molex connector P/N 95001 or equivalent, mates with FCC-68 Type Male Locking Plug)

10-pin dual row (Thomas & Betts connector P/N 622-1001M or equivalent, mates with standard 0.100" grid pcb headers)

Environmental

Temperature:
0^{o} to $+50^{o}$ standard, -20^{o} to $+60^{o}$ extended

Vibration: 5 to 60 Hz @ 5 G's

Shock: 15 G's 11 msec duration

TBS200 Low-Profile Ordering Options

For assistance, call 800-350-2727

Use this diagram, working left to right to construct your model number.

Example: TBS200-200-AB-6-PR10 *(one possible configuration of the TBS200 Low-Profile)*

TBS200 — [ ] — [ ] — [ ] — [ ] — [ ] — [ ]

HOUSING:
TBS = Trackball System
200 = 2.0" ball diameter

RESOLUTION:
Cycles per turn
200 = 200 CPT

OUTPUT TYPE:
AB = Dual channel in quadrature
PS = PS/2 compatible mouse

CABLE LENGTH:
Specify in inches
(i.e. 6 = 6inches)
for PR10 option only

CONNECTOR:
RJ45 = 8 pin phone jack (AB versions only)
PR10 = 10-pin dual row receptacle

SPECIAL FEATURES:
Blank = None
S = Special

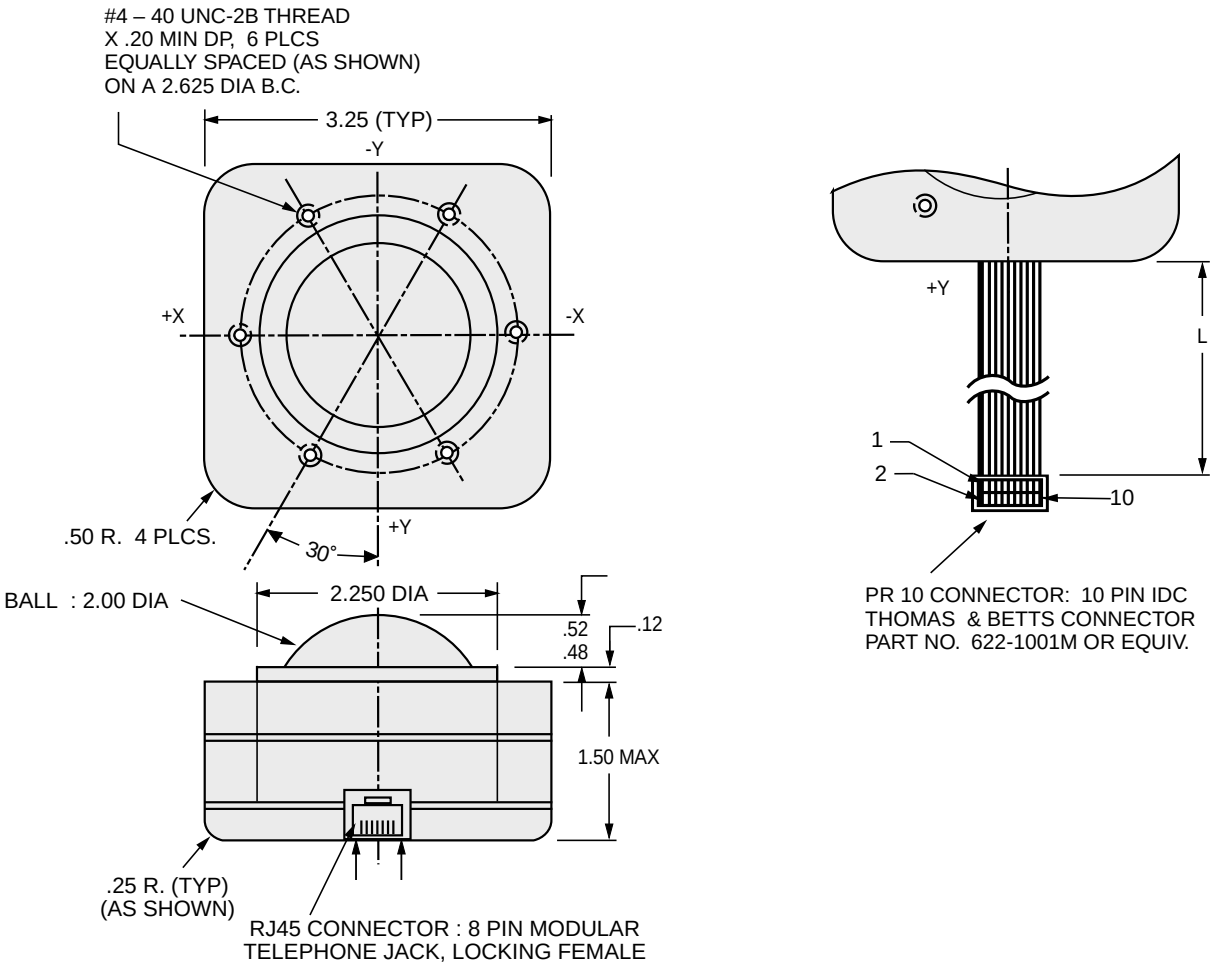
924-02077-001 Revision 2/10

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Table 1 TBS200 Connector Pinout Functions

PIN #	RJ45 CONNECTOR AB FUNCTION	PR10 CONNECTOR AB FUNCTION	PR10 CONNECTOR PS FUNCTION
1	BY (-Y AXIS)	+5 VDC	PS/2 DATA
2	AY (+Y AXIS)	GROUND	+5 VDC
3	+5 VDC	BY (-Y AXIS)	CLOCK IN
4	NC	AY (+Y AXIS)	GROUND
5	BX (-X AXIS)	BX (-X AXIS)	NC
6	AX (+X AXIS)	AX (+X AXIS)	NC
7	GROUND	NC	SWITCH GROUND
8	GROUND	NC	SWITCH INPUT–LEFT
9		NC	SWITCH INPUT–MIDDLE
10		NC	SWITCH INPUT–RIGHT

TBS200 Low-Profile Dimensions



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