

Stock Cable Part Number and Ordering Information:

BOB Specification	ATE400BOB	-F	-HDM	-006	/M
ATE400BOB 400 Pin					
ATE200BOB 200 Pin					
Gender					
M = Male (PINS)					
F = Female (Sockets)					
Connector Type					
HDM = Standard Density D-Sub 9, 15, 25, 37, 50 pin					
HDD1 = High Density D-Sub 15, 26, 44, 62 pin					
HDD2 = High Density D-Sub 104, 78 pin					
H200 = 200 Pin Hypertronics					
A160 = 160 Pin Amp					
C66 = 66 Pin Circular					
uD200 = 200 Pin Micro-Dot					
CUS = Custom Cables					
Length					
002, 004, 006, 008, 012, 016 feet					
Rating					
/C - Commercial connector and backshell					
/M - Mil-Std connector and backshell					
/S - Space Qualified connector and backshell					

400 Pin Wireless Universal Break Out Box



Pricing:

Part Number:	Description	Price
ATE400BOB	Universal Wireless Break Out Box	\$4,901.15
ATETOTE001	Ruggidized Carrying Tote and Storage Unit	\$446.60
Standard and Custom Cables available – For a complete listing of standard cables or a quote for custom cables contact GEMS as indicated below		
For cable pricing call GEMS toll free at: (877) 700-9426		

Specification and Pricing 2009



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The ATE400BOB is a great troubleshooting tool that can be used with any connector type. Connections to the BOB are quick and reliable.

The ATE400BOB is completely wireless insuring the best possible connection.

The unit is housed in a rugged heavy duty aluminum box. It is powder coated and silk screened to insure that all of the labeling will be easily legible for years of use.

The ATE400BOB allows up to 400 single ended connections or 200 inline connections.

200 DIP rocker switches allow easy isolation of the UUT from the test equipment for in line connections.

400 Tip Jacks allow easy probing of any node. All Tip Jacks are clearly labeled and color coded for quick identification.

Each signal path is capable of carrying 4 Amperes

The box is small allowing it to be used in tight areas.

Universal cables for most connectors are available from GEMS. Typical lead times are less than 2 weeks. Published netlists allow users to build their own cables in-house.

Electrical and Dimensional Specifications

Mechanical Information:

- Material – Heavy Duty Powder Coated Aluminum
- Dimensions – 16 X 16 X 2 in

Mating Connector: Hypertronics NPJY27/10PMR/2PH/10PMR/T

- 180° quick turn jack post provides > 15,000 mating cycles
- Great for test equipment, burn-in stands, laboratory equipment
- < 1 second mating/unmating operation
- Wiping action pin and sockets
- Provides up to 200 contacts in a single mating
- Current Rating 4
- Contact Resistance < 5 milliohms
- Contact Life Cycles > 100,000
- Plating 50uin Gold (min) over Ni

400 Tip Jacks for monitoring signals

- Use cable set to provide in-line break-out points for up to 200 signals
- Rocker Switch allows easy isolation of test equipment from UUT
- Color coded J1 and J2 connectors and Tip Jacks allow quick visual verification of tip jacks connected to UUT or Test Equipment
- Large silk screened numbering allow user to quickly find correct node(s)

20 – 10 position DIP Rocker Switches

- Great for test equipment, burn-in stands, laboratory equipment, etc.
- < 1 second make/break operation
- Built-in rocker switch protection – avoid accidental switching
- Current Rating 5 Amperes
- Contact Resistance < 5 milliohms
- Contact Life Cycles > 10,000
- Temperature Rating -55°C to +105°C

Cables

- Standard cables are delivered with multiple connectors to add to versatility
- Detailed wire list is delivered on CD with each cable set
- Current Rating >5 Amperes

Printed Circuit Card:

- Unit is completely wireless.
- PWB signal paths rated to 4 Amp continuous current
- J1, J2, SW1 – SW20, TP1 – TP400 soldered into PWB

Remember GEMS can help you with all of your test needs:

- Custom VXI, PXI, GPIB based test systems
- Custom Test Program Sets (TPS)
- Functional and / or Incircuit Test Adapters
- Design, Document, and Fabricate your Test Cables or simply build to print
- Custom holding fixtures and special test equipment design and fabricate or build to print
- Short term labor resources (consultants) available to work at your site