



**Compliance with RoHS Directive** 

#### COMPACT, LOW-PROFILE BATTERY SOCKET WITH BELLOWS CONTACT CONSTRUCTION FOR SUPERIOR ANTI-VIBRATION AND ANTI-SHOCK PROPERTIES

### **FEATURES**

 Increased reliability through construction that prevents deformation when the contact is pulled up and pushed down.
When contact is pulled up



2) When contact is pushed down



2. Support for battery mounting from the top and by sliding it horizontally.

BATTE

SOCK



3. Bellows contact construction for shock resistance and superior contact reliability.

## **APPLICATIONS**

Power supply connector (battery connector of mobile phones, PDAs, DSCs and laptop PC, etc., and for the connection of all types of battery chargers)

## **ORDERING INFORMATION**



AXB7

# **PRODUCT TYPES**

No. of signal contacts	Terminal shape	Positioning boss	Part number	Packing quantity	
				Inner carton (1 reel)	Outer carton
4 contacts	- SMD terminal	With positioning boss	AXB741235P	- 1, 000 pieces	2, 000 pieces
6 contacts			AXB761235P		

## SPECIFICATIONS

#### 1. Characteristics

Item		Specifications	Conditions	
Electrical characteristics	Rated current	2.0 A (Max. 6.0 A at total contacts)		
	Insulation resistance	Min. 1, 000 MΩ (initial)	Using 500 V DC megger (applied for 1 minute)	
	Breakdown voltage	150 V AC for 1 minute	Detection current: 1mA	
	Contact resistance	Max. 50 mΩ (initial)	Measured based on the HP4338B measurement method of JIS C 5402	
Ambient temperature		-35 to +65°C		
Lifetime characteristics		5,000 times (battery insert and removal life)	Max. 200 times/hours	
Soldering heat resistance		Reflow soldering peak temperature: Max. 245°C	Surface temperature of connector	
Unit weight		AXB741235: 0.16 g, AXB761235: 0.23 g		

#### 2. Material and surface treatment

Part name		Material	Surface treatment	
Resin-molding portion	Body	PA resin	—	
Metal portion	Contact	Copper alloy	Contact portion: Ni plating on base, Au plating on surface	
			Terminal portion: Ni plating on base, Au plating on surface (except for thick of terminal)	

## DIMENSIONS (Unit: mm)

The CAD data of the products with a CAD Data mark can be downloaded from: http://panasonic-electric-works.net/ac

#### 1.4 contacts AXB741235P









20,6550

(4.9)

03



#### General tolerance:±0.3

M



A-A cross section

Recommended PC board pattern

(TOP VIEW)

(9.4)

4.42±0.05

× X

6

1.1±0.

1.5±0.1



Operation limit position

Contact position

Contact position (0.2)

(0.35) (0.10)



# • Tape dimensions (Conforming to JIS C 0806-1995)



• Reel dimensions (Conforming to JIS C 0806-1995)



## NOTES

For other details, please verify with the product specification sheets.