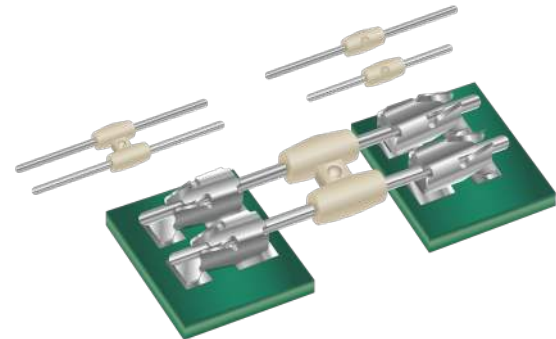


# Jumper: 10-9296 BTB

## General Description



- Multiple jumper pins to be used in linear BTB applications
- 1.0mm pin diameter comes in a 38.15mm and 26mm length
  - 1.0mm pin to be used with 709296001025016
- 0.8mm pin diameter comes in a 16mm length
  - 0.8mm pin to be used with 709296001002016 and the 9296-202 series



### APPLICATIONS

- The 709296001025016 and 709296001002016 contacts without a wire stop, allow the pin header to pass straight thru the contacts until the final seating/mating dimension is achieved
- Single pin connection between linear PCB's
- 38mm pin allows for modules to be connected where the PCB is recessed within the plastic housing.

### FEATURES AND BENEFITS

- Absorption of PCB and module mating tolerances by allowing the unrestricted pin to pass through the contact by eliminating the traditional wire stop
- Two different pin lengths and pin diameters to accommodate a number of board-to-board and module-to-module connections
- The unique geometry of the insulator lends itself to water tightness when matched with a corresponding housing cavity

### ELECTRICAL

- Current Rating:  
1.0mm Pin Diameter = 6.5A  
0.8mm Pin Diameter = 5A
- Voltage Rating:  
300 VAC (RMS or DC Equivalent, based on contact spacing)

### ENVIRONMENTAL

- Operating Temperature:  
-40°C to +105°C
- Storage Temperature:  
-40°C to +70°C

### MECHANICAL

- Insulator Material: Glass-Filled Nylon PA-66; UL94V0
- Contact Material: Brass
- Plating: Lead-Free Tin Over Nickel
- Durability: 3 Cycles

### HOW TO ORDER

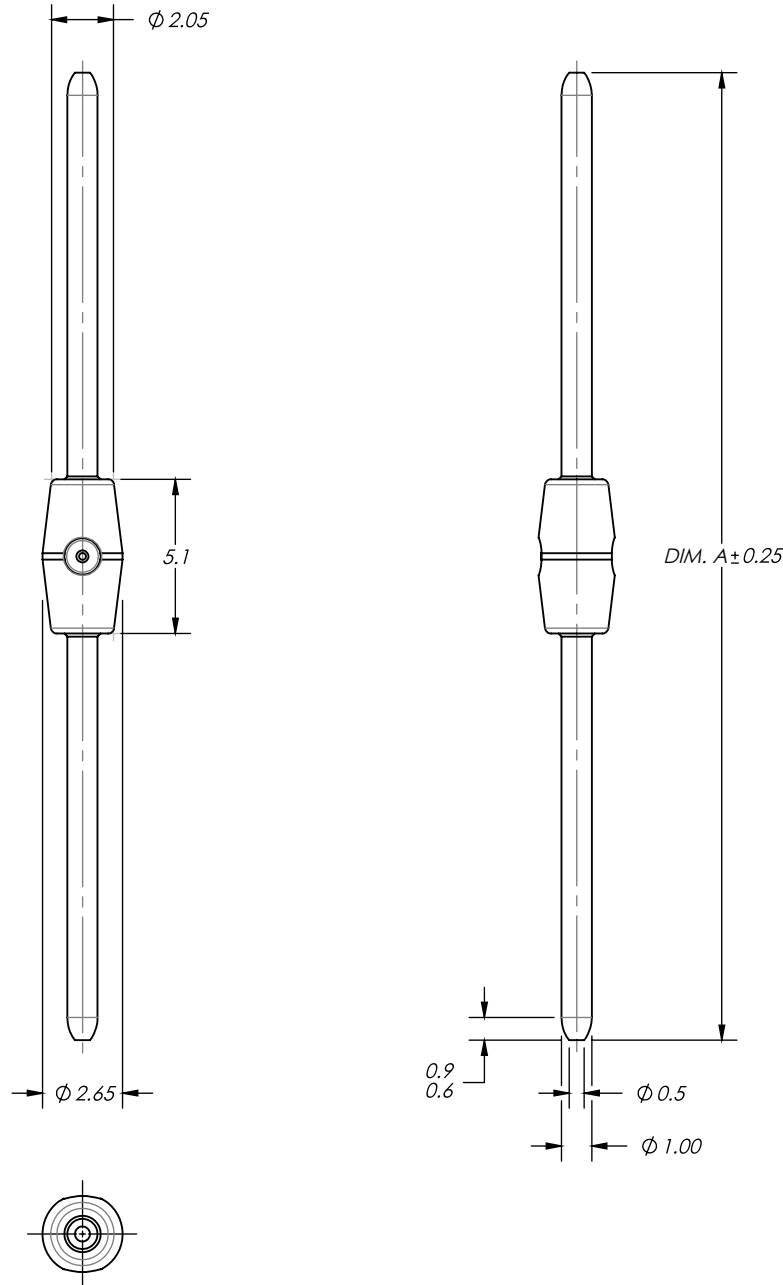
<b>10</b>	<b>9296</b>	<b>00X</b>	<b>XXX</b>	<b>X</b>	<b>X</b>	<b>6</b>
<b>Prefix</b> 10 = Plug	<b>Series</b>	<b>Number of Positions</b> 001 = 1 pin 002 = 2 pin	<b>Pin Length</b> <b>0.8mm Dia. Pin</b> 160 = 16mm <b>1.0mm Dia. Pin</b> 260 = 26mm 381 = 38.15mm	<b>Housing Color Standard</b> 9 = White/Natural <b>Special Order</b> 2 = Brown 3 = Blue 4 = Yellow 5 = Red 6 = Green 7 = Orange	<b>Pin Size/Spacing</b> <b>Pin diameter/Spacing*</b> 0 = $\phi$ 1.00 on 4.00mm Pitch 1 = $\phi$ 0.80 on 3.00mm Pitch	<b>Contact Plating</b> 6 = Pure Tin

Safety Standards: UL 1977-File #E90723



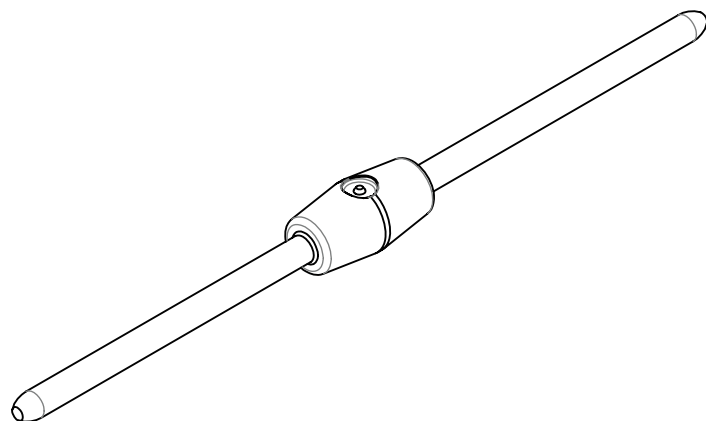
## 10-9296-001-XXX-X06 (1.0MM)

Part Number	Dim. A
10-9296-001-260-X06	26.0
10-9296-001-381-X06	38.15

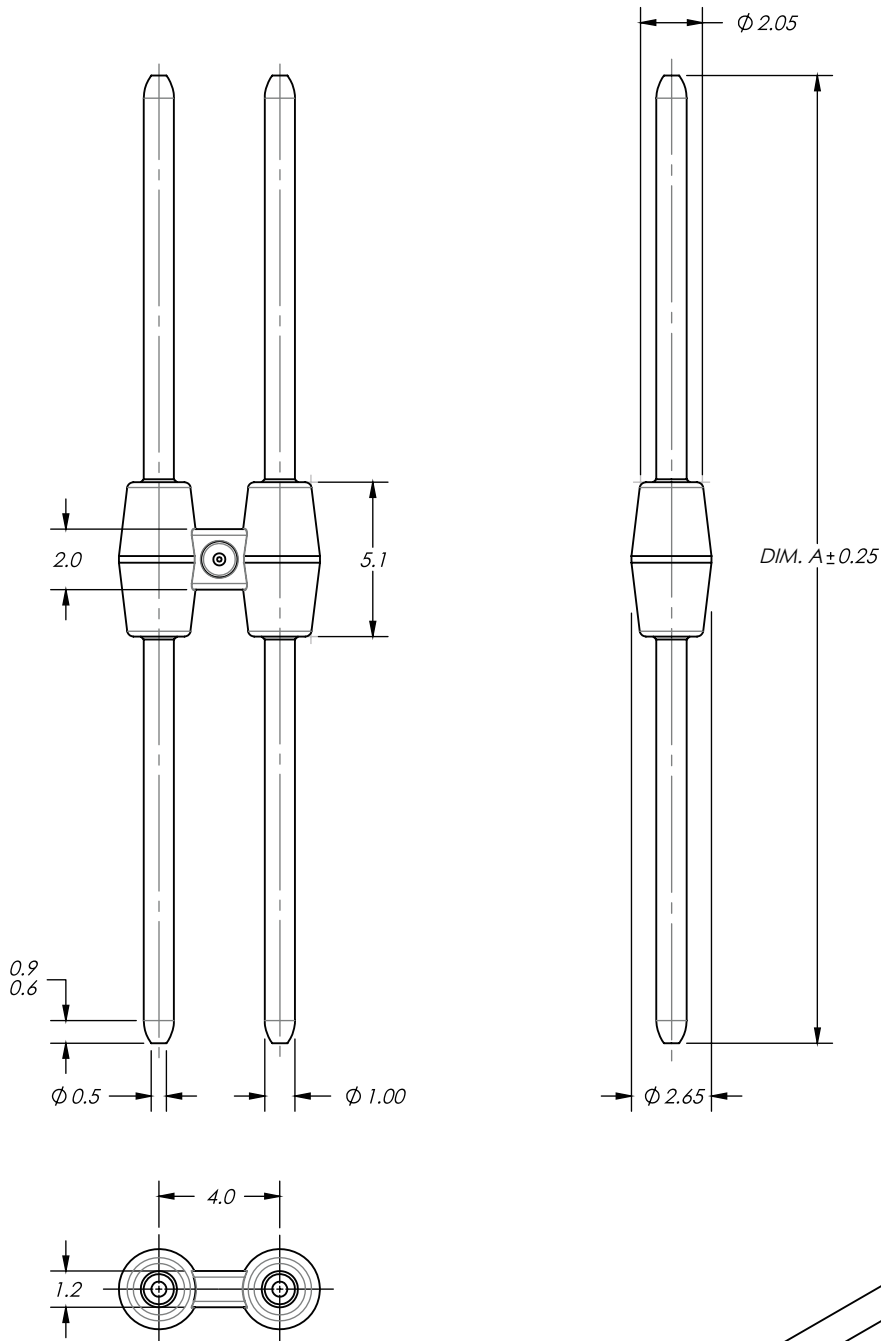


### NOTES:

- HOUSING MATERIAL: GLASS-FILLED NYLON; PA-66; FLAME RETARDANT PER UL94V-0; COLOR: PER CODE.
- PIN MATERIAL: BRASS.
- PIN PLATING: LEAD-FREE TIN OVER NICKEL.
- PACKAGING TO BE BULK, 1,000 PER BAG.
- SPECIFICATIONS:
  - CURRENT RATING: 6.5A
  - INSULATION RESISTANCE: 1,000M $\Omega$  MINIMUM
  - CONTACT RESISTANCE: 25 $\Omega$  MAXIMUM
  - DIELECTRIC WITHSTANDING VOLTAGE: 1,600V<sub>AC/DC</sub>
  - OPERATING TEMPERATURE: SPEC -40°C TO +125°C - UL RATING UP TO 130°C.



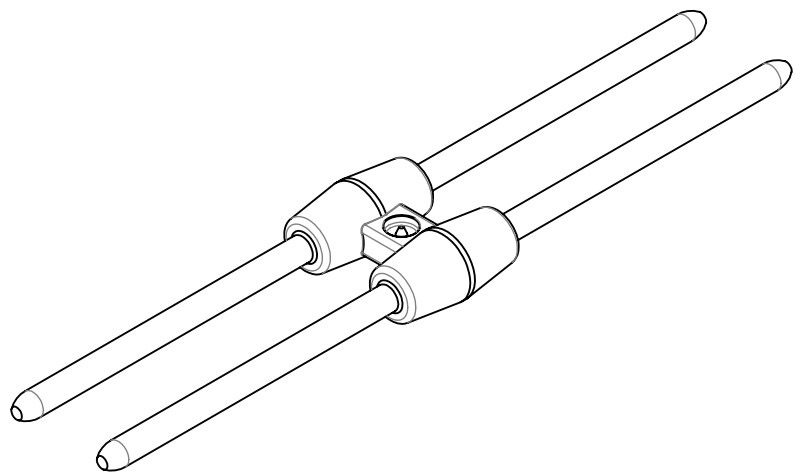
## 10-9296-002-XXX-X06 (1.0MM)



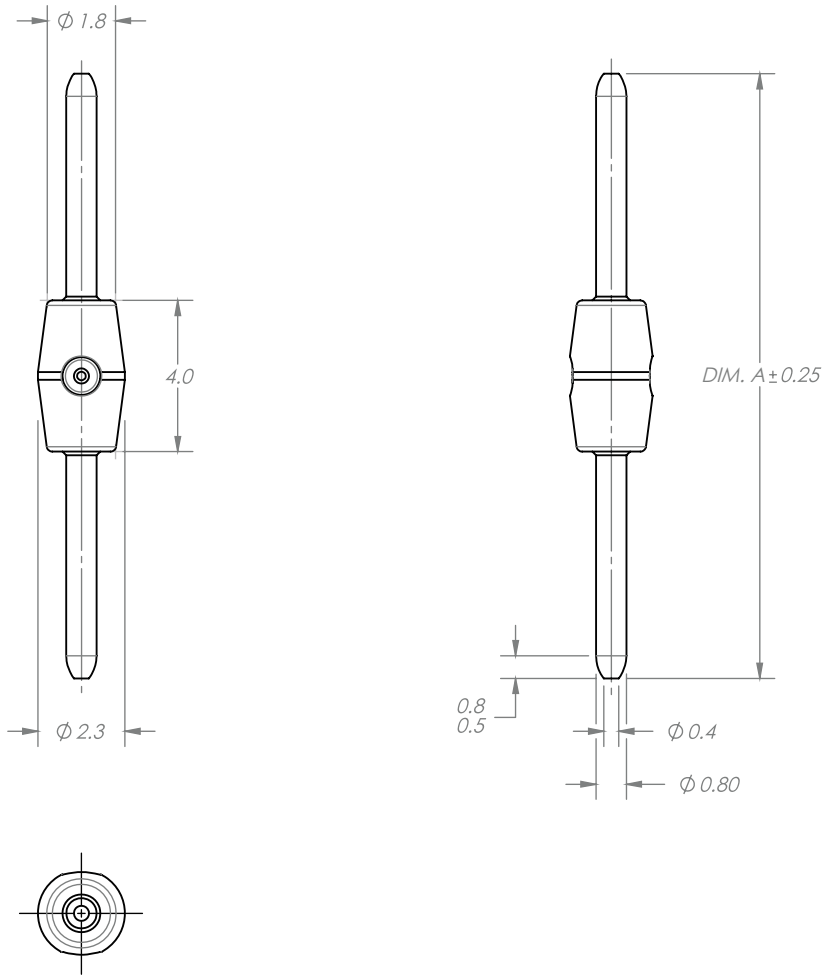
Part Number	Dim. A
10-9296-001-260-906	26.0
10-9296-001-381-906	38.15

### NOTES:

- HOUSING MATERIAL: GLASS-FILLED NYLON; PA-66; FLAME RETARDANT PER UL94V-0; COLOR: PER CODE.
- PIN MATERIAL: BRASS.
- PIN PLATING: LEAD-FREE TIN OVER NICKEL.
- PACKAGING TO BE BULK, 500 PER BAG.
- SPECIFICATIONS:
  - CURRENT RATING: 6.5A
  - INSULATION RESISTANCE: 1,000M $\Omega$  MINIMUM
  - CONTACT RESISTANCE: 25 $\Omega$  MAXIMUM
  - DIELECTRIC WITHSTANDING VOLTAGE: 1,600V AC/DC
  - OPERATING TEMPERATURE: SPEC -40°C TO +125°C - UL RATING UP TO 130°C.



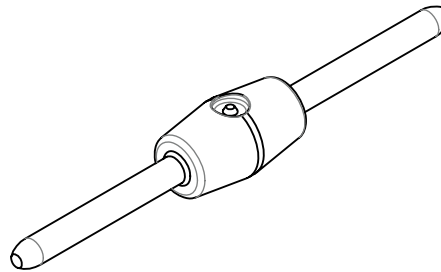
## 10-9296-001-XXX-X16 (0.8MM)



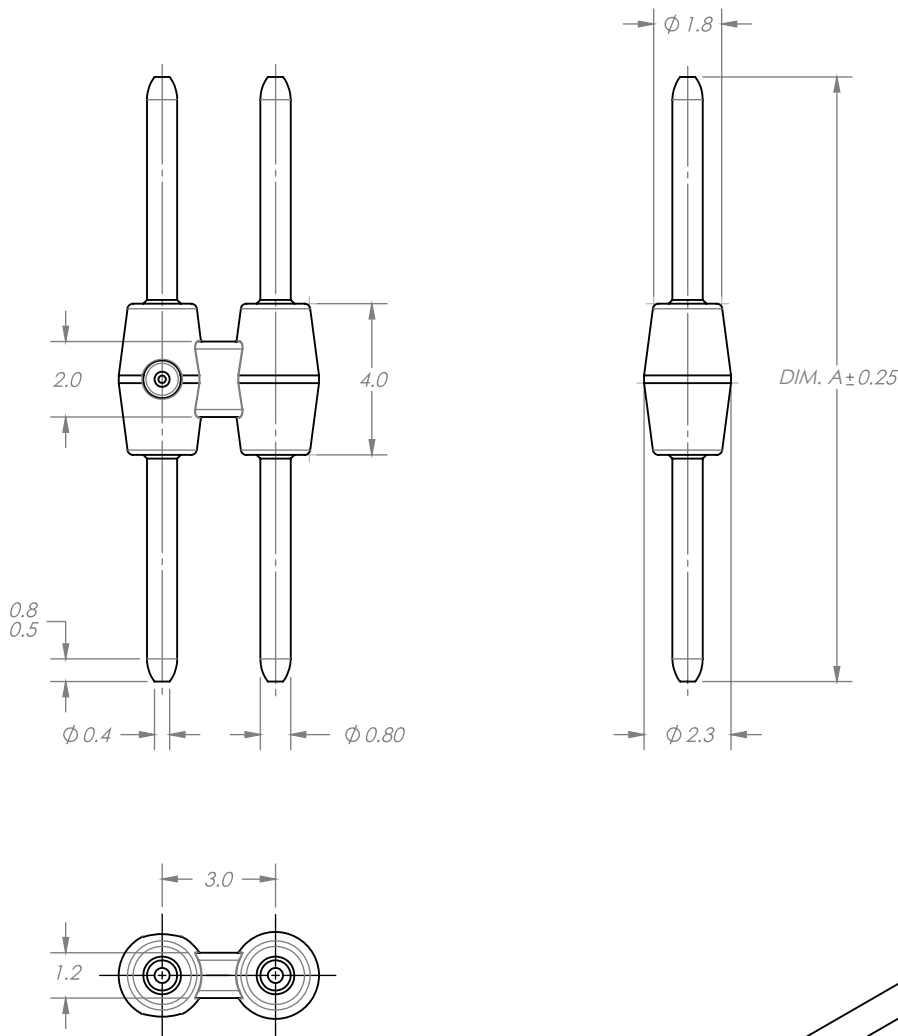
Part Number	Dim. A
10-9296-001-160-X16	26.0
T.B.D.	T.B.D.

### NOTES:

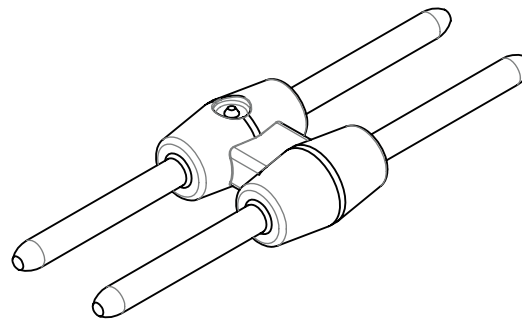
- HOUSING MATERIAL: GLASS-FILLED NYLON; PA-66; FLAME RETARDANT PER UL94V-0; COLOR: PER CODE.
- PIN MATERIAL: BRASS.
- PIN PLATING: LEAD-FREE TIN OVER NICKEL.
- PACKAGING TO BE BULK, 1,000 PER BAG.
- SPECIFICATIONS:
  - CURRENT RATING: 5.0 AMPS
  - INSULATION RESISTANCE: 1,000M $\Omega$  MINIMUM
  - CONTACT RESISTANCE: 25 $\Omega$  MAXIMUM
  - DIELECTRIC WITHSTANDING VOLTAGE: 1,600V AC/DC
  - OPERATING TEMPERATURE: SPEC -40°C TO +125°C - UL RATING UP TO 130°C.
- GENERAL TOLERANCE -  $\pm 0.2$ .



## 10-9296-002-XXX-X16 (0.8MM)



Part Number	Dim. A
10-9296-001-160-X16	16.0
T.B.D.	T.B.D.



### NOTES:

- HOUSING MATERIAL: GLASS-FILLED NYLON; PA-66;  
FLAME RETARDANT PER UL94V-0; COLOR: PER CODE.
- PIN MATERIAL: BRASS.
- PIN PLATING: LEAD-FREE TIN OVER NICKEL.
- PACKAGING TO BE BULK, 1,000 PER BAG.
- SPECIFICATIONS:
  - CURRENT RATING: 5.0 AMPS
  - INSULATION RESISTANCE: 1,000MΩ MINIMUM
  - CONTACT RESISTANCE: 25Ω MAXIMUM
  - DIELECTRIC WITHSTANDING VOLTAGE: 1,600V AC/DC
  - OPERATING TEMPERATURE: SPEC -40°C TO +125°C - UL RATING UP TO 130°C.
- GENERAL TOLERANCE - ±0.2.