



PRODUCT NUMBER: 806-22-001-30-002191

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DATA SHEET

**806-22-001-30-0XX191**  
Removable Pick & Place Cap, Surface mount

Contact Style	Initial Height (A)	Rated Travel	Full Stroke Range (B)	Sleeve Height (C)	Tape Depth (D)	Quantity per Reel
1	.137	.0195	.030-.039	.180	.252	780
2	.155	.0195	.030-.039	.180	.252	780
3	.177	.0275	.050-.055	.180	.252	780
4	.197	.0275	.050-.055	.180	.252	780
10	.217	.0275	.050-.055	.220	.285	750
11	.236	.0275	.050-.055	.220	.285	750
12	.255	.0275	.050-.055	.220	.361	550
13	.275	.0275	.050-.055	.220	.361	550
14	.295	.0275	.050-.055	.220	.361	550



General Information	
1 Product Lifecycle:	Active
Product Family:	Spring-Loaded Pins with Removable Pick and Place Cap
Type:	Pin with Removable Pick and Place Cap
2 Description:	PCB Mount Spring-Loaded Header
Description2:	Initial Pin Height .155" (3,94mm)
Pitch:	N/A
Number of Pins:	1
Head Type:	Plunger
Tail Type:	N/A
3 Operating Temperature Range:	-55/+125° C
Country of Origin:	USA
4 ROHS:	Yes

## 806-22-001-30-002191 - SPECIFICATIONS

Product Attributes	
Plating Code:	22 - Body/Plunger Plating: 20μ" Gold - Spring Plating: 10μ" Gold
Insulator Material:	Nylon 4/6
Rows:	Single Row
Frame Type:	N/A
5 Spring Number:	76 - Standard Force Beryllium Copper (Click For Graphs)
Plunger Type:	Round
Stroke:	.039" (0,991mm)
Mid Stroke:	.0195
Initial Pin Height:	.155" (3,937mm)
Mounting Tab:	N/A

Key Dimensions	
Head Diameter:	.042" (1,067mm)
Initial Height:	.155" (3,937mm)
Tail Diameter:	N/A
Tail Length:	N/A
A Dim:	.155" (3,937mm)
B Dim:	.039" (0,991mm)
C Dim:	.180" (4,572mm)

Electrical Specifications	
Contact Resistance:	20.00mΩ Max
Rated Voltage:	100 VRMS/150 VDC

Mechanical Specifications	
Mechanical life (Durability):	100,000 to 1,000,000 Cycles @ Mid-Stroke
6 Shock:	No Elect. Discontinuity > 1μs @ 50g
7 Vibration:	No Elect. Discontinuity > 1μs @ 10-2000HZ, 15 G

### Mounting Specifications

Mounting Type:	Surface Mount
Mounting Hole:	N/A
Mounting Tab:	N/A

### Environmental & Export Classifications

Cage Code:	3N087
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Moisture Sensitivity Level (MSL):	1 (Unlimited)
Prop 65:	N
REACH Status:	REACH Unaffected
Special Handling Code:	UNDF
Static Sensitive:	N

### Packaging Information

8 Packaging:	Tape & Reel
Tape Width:	16mm
Quantity Per Reel:	780

## NOTES:

1. Part is Active and in Production, No Scheduled Obsolescence

2. **Standard Tolerances**

Assembly tolerance: +/- .010" (.25mm)

Connector Length "L"

Connector Length "L"	Tolerance
$L \leq 2"$ ( $L \leq 50.8$ mm)	+/- .005" (+/- .127 mm)
$2 < L \leq 3"$ ( $50.8 < L \leq 76.2$ mm)	+ .007 / - .006" (+ .178 / - .152 mm)
$3 < L \leq 4"$ ( $76.2 < L \leq 101.6$ mm)	+ .009 / - .007" (+ .229 / - .178 mm)
$4 < L \leq 5"$ ( $101.6 < L \leq 127$ mm)	+ .011 / - .008" (+ .279 / - .203 mm)
$5 < L \leq 6.4"$ ( $127 < L \leq 162.56$ mm)	+ .013 / - .009" (+ .330 / - .229 mm)

Insulator width: +/- .005 (.13mm)

Insulator height: +/- .005 (.13mm)

Co-planarity of SMT connectors: .005" (.13mm) up to 1" (25.4mm) in connector length

Insulator Flatness: .005" (.13mm) up to 1" (25.4mm) in connector length

Pin Length: +/- .006 (.15mm)

Pin Diameter: +/- .002 (.051mm)

Pin Angle: +/- 2°

3. Per IEC 60512-11-(4,-9,-10,-12)

4. Mill-Max products labeled with the RoHS symbol are compliant with all three ROHS Directives. All of our products previously described as RoHS (2002/95/EC) and RoHS-2 (2011/65/EC) are also compliant with RoHS-3 (2015/863/EU).

5. Current ratings are based on the pin tested in free air; the performance may be moderated when used in a connector.

6. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock

7. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

8. 13" (330 mm) Reel

## ADDITIONAL NOTES AND SPECIFICATIONS

In the interest of improved design, quality and performance, Mill-Max reserves the right to make changes in its specifications without prior notice. Specifications and tolerances are provided wherever possible. The tolerance on dimensions of critical to function features is typically held tighter than the stated standard tolerances, such as press-fits, holes and lengths affecting the coplanarity of SMT products. Due to the wide variety of interconnects Mill-Max offers, the specific tolerances vary from product to product. If you need information regarding the tolerance of a particular part, please contact Technical Services.

## RELATED LINKS AND DOCUMENTS

- Product Detail: [806-22-001-30-002191 - Spring-Loaded Header](#)
- Engineering Notebook: [Introduction to Spring-Loaded Pogo Pins & Connectors](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>