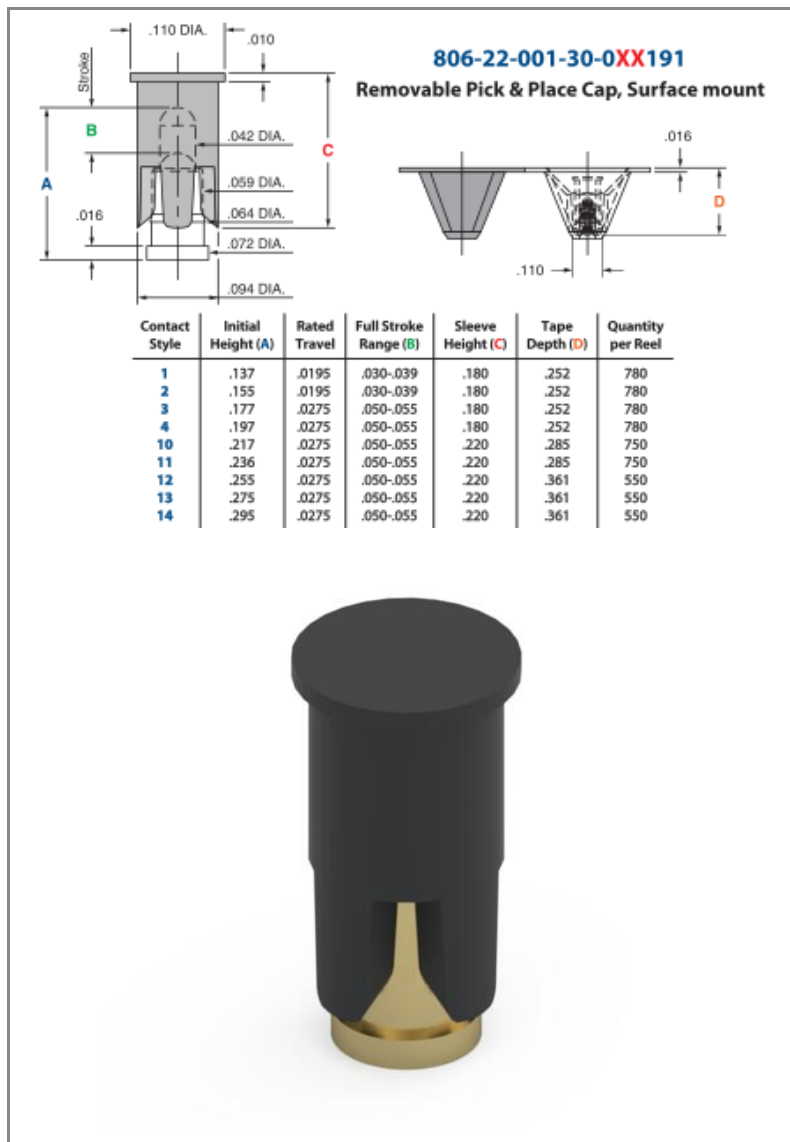




PRODUCT NUMBER: 806-22-001-30-003191

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DATA SHEET



| General Info                 |                                                                      |
|------------------------------|----------------------------------------------------------------------|
| Description <sup>1</sup> :   | PCB Mount Spring-Loaded Header<br>Initial Pin Height .177" (4,496mm) |
| Plunger Type:                | Round                                                                |
| Type:                        | Spring-Loaded                                                        |
| Category:                    | Pin with Removable Pick and Place Cap                                |
| Mounting Style:Surface Mount |                                                                      |
| # Pins:                      | 1                                                                    |
| Packaging <sup>2</sup> :     | Tape & Reel                                                          |
| Qty Reel:                    | 780                                                                  |
| Rows:                        | Single Row                                                           |
| ECCN:                        | EAR99                                                                |
| HTSUS:                       | 8536.90.4040                                                         |
| Product Lifecycle:           | Active                                                               |

806-22-001-30-003191- SPECIFICATIONS

| Environmental Specs               |                                                 |
|-----------------------------------|-------------------------------------------------|
| Temperature Range <sup>3</sup> :  | -55/+125° C                                     |
| Shock <sup>4</sup> :              | No Elect. Discontinuity > 1µs @ 50g             |
| Vibration <sup>5</sup> :          | No Elect. Discontinuity > 1µs @ 10-2000HZ, 15 G |
| RoHS <sup>6</sup> :               | Yes                                             |
| Moisture Sensitivity Level (MSL): | 1 (Unlimited)                                   |
| REACH Status:                     | REACH Unaffected                                |

| Mechanical Specs |                                          |
|------------------|------------------------------------------|
| Durability:      | 100,000 to 1,000,000 Cycles @ Mid-Stroke |

| Materials                         |                       |
|-----------------------------------|-----------------------|
| Loose Pin/Receptacle #(Material): | 0900 (Brass Alloy)    |
| Shell Plating:                    | 20µ" Gold over Nickel |
| Inner Plating:                    | (Spring) 10µ" Gold    |
| Insulator Material:               | Nylon 4/6             |

| Technical Specs |                 |
|-----------------|-----------------|
| A Dim:          | .177" (4,496mm) |
| B Dim:          | .055" (1,397mm) |
| C Dim:          | .180" (4,572mm) |

NOTES:

1. Standard Tolerances  
Assembly tolerance: +/- .010" (.25mm)  
Connector Length "L"

| Connector Length "L"              | Tolerance                             |
|-----------------------------------|---------------------------------------|
| L ≤ 2" (L ≤ 50.8 mm)              | +/- .005" (+/- .127 mm)               |
| 2< L ≤ 3" (50.8 < L ≤ 76.2 mm)    | + .007/ - .006" (+ .178/ - .152 mm)   |
| 3< L ≤ 4" (76.2 < L ≤ 101.6 mm)   | + .009 / - .007" (+ .229 / - .178 mm) |
| 4< L ≤ 5" (101.6 < L ≤ 127 mm)    | + .011 / - .008" (+ .279 / - .203 mm) |
| 5< L ≤ 6.4" (127 < L ≤ 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°
2. 13" (330 mm) Reel
3. Per IEC 60512-11-(4,-9,-10,-12)
4. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock
5. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)
6. 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).

## 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

Environmental Compliance: ( <https://www.mill-max.com/rohs> )