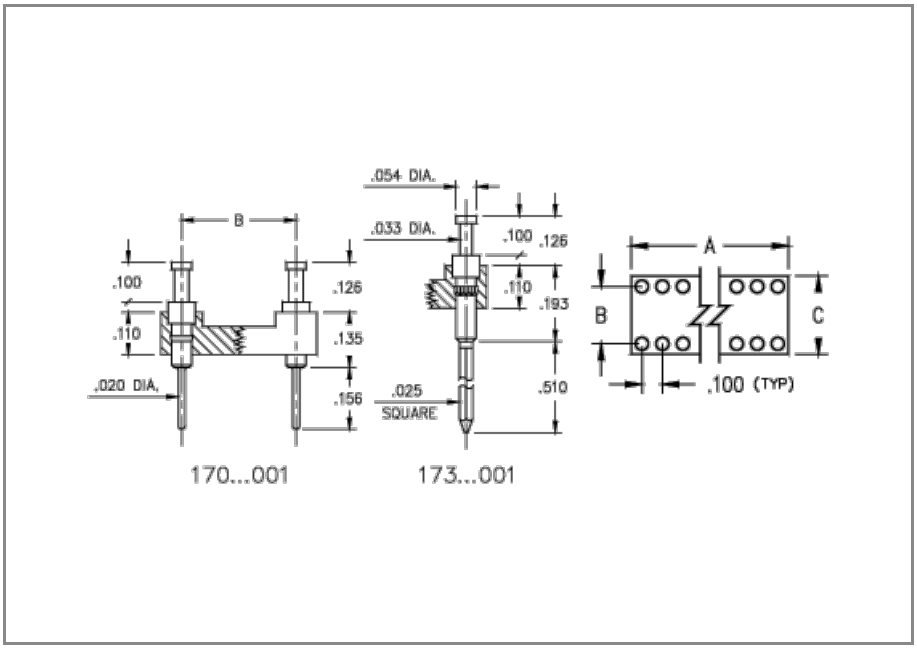
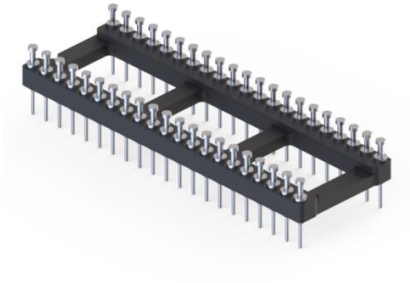
# PRODUCT NUMBER: 170-90-642-00-001000

www.mill-max.com
DATA SHEET



| General Information | | |
|---|---|---|
| 1 | **Product Lifecycle:** | Active |
| | **Product Family:** | IC Socket |
| | **Type:** | Dual In Line Header |
| 2 | **Description:** | Solder Tail DIP Header |
| | **Description2:** | Turret Head |
| | **Pitch:** | .100" (2,540mm) |
| | **Number of Pins:** | 42 |
| | **Head Type:** | Turret Head |
| | **Tail Type:** | Solder Tail |
| 3 | **Operating Temperature Range:** | -55/+125° C |
| | **Country of Origin:** | USA |
| | **ROHS:** | No |

## 170-90-642-00-001000 - SPECIFICATIONS

| Product Attributes | |
|---|---|
| 4 **Plating Code:** | 90 - shell: 200 µ" Tin/Lead(93/7) over 100 µ" Nickel |
| **Insulator Material:** | High Temp Thermoplastic |
| **Rows:** | N/A |
| **Frame Type:** | Open Frame |
| **Contact Number:** | N/A |
| **Mounting Tab:** | N/A |

| Key Dimensions | |
|---|---|
| **Above Board Height:** | .261" (6,629mm) |
| **Head Diameter:** | .054" (1,372mm) |
| **Insulator Height:** | .110" (2,794mm) |
| **Tail Diameter:** | .020" (0,508mm) |
| **Tail Length:** | .156" (3,962mm) |
| **A Dim:** | 2.100" (53,340mm) |
| **B Dim:** | .600" (15,240mm) |
| **C Dim:** | .700" (17,780mm) |

| Electrical Specifications | |
|---|---|
| 5 **Current Rating:** | Application Specific |
| **Insulation Resistance:** | 10,000 MΩ min. |
| **Rated Voltage:** | 100 VRMS/150 VDC |
| **Dielectric Withstanding Voltage:** | 1,000 VRMS min. |

| Mounting Specifications | |
|---|---|
| **Mounting Type:** | Through Hole Solder Mount |
| **Mounting Hole:** | .024" (0,610mm) |
| **Mounting Tab:** | N/A |
| **SMT Pad Size:** | N/A |

| Packaging Information | |
|---|---|
| **Packaging:** | Tube |
| **Tape Width:** | N/A |
| **Quantity Per Tube:** | 9 |

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

## NOTES:

1. Part is Active and in Production, No Scheduled Obsolescence
2. Standard Tolerances:
   Assembly tolerance: +/-.010" (.25mm)
   Insulator length: +/-.005 (.13mm)
   Insulator width: +/-.005 (.13mm)
   Insulator height: +/-.005 (.13mm)
   Pin Length: +/-.005 (.13mm)
   Pin Diameter: +/-.002 (.051mm)
   Pin Angle: +/-2°
   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
3. Per IEC 60512-11-(4,-9,-10,-12)
4. **Pin Plating:** 200 µ" Tin/Lead(93/7) over 100 µ" Nickel
5. Current rating is typically a measured function of the female socket/connector. The amount of current a solid, male, brass pin can tolerate is a direct relation of the heat displaced based on current and the ability of neighboring components to handle displaced heat.

## 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: 170-90-642-00-001000 - Solder Tail DIP Header
- Environmental Compliance: https://www.mill-max.com/rohs