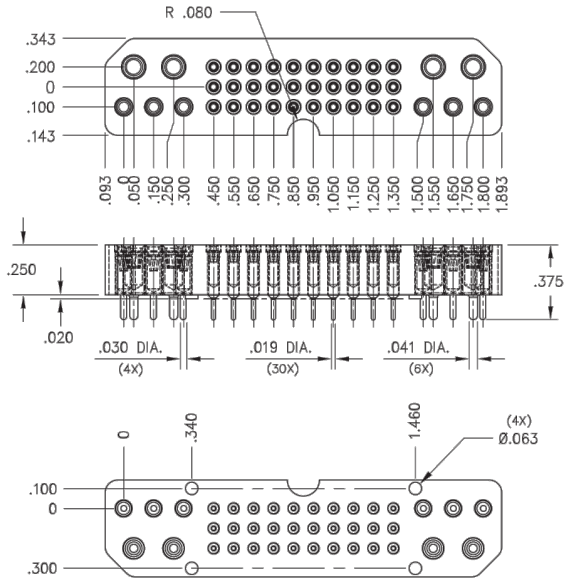
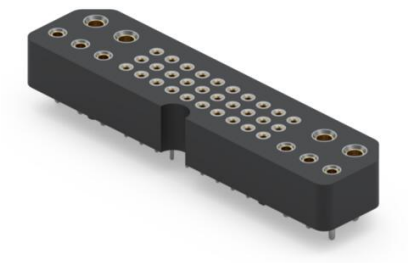
PRODUCT NUMBER: 809-43-040-10-001000

www.mill-max.com
DATA SHEET





General Information		
1	**Product Lifecycle:**	Active
	Product Family:	IO Socket
	Type:	Machined Pin Socket
2	**Description:**	Standard Solder Tail DIP Socket
	Description2:	Shrouded
	Number of Pins:	40
3	**Operating Temperature Range:**	-55/+125° C
	Country of Origin:	USA
4	**ROHS:**	Yes

809-43-040-10-001000 - SPECIFICATIONS

Product Attributes	
5 Plating Code:	43 - shell: 200 µ" Tin (matte finish) over 100 µ" Nickel - inner contact: 30 µ" Gold over 50 µ" Nickel
Insulator Material:	PPS
Frame Type:	N/A

Electrical Specifications	
Insulation Resistance:	10,000 MΩ min.
Rated Voltage:	100 VRMS/150 VDC
Dielectric Withstanding Voltage:	1,000 VRMS min.

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

Mounting Specifications	
Mounting Type:	Through Hole Solder Mount

Packaging Information	
Packaging:	Packaged in Bulk
Tape Width:	N/A

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. 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. **Shell Plating:** 200 µ" Tin (matte finish) over 100 µ" Nickel
   Contact/Clip Plating: 30 µ" Gold over 50 µ" Nickel
6. Receptacles are capable of 1,000 Minimum insertion/extraction cycles for a broad range of applications. Mating pin size, shape and finish, along with application specific variables, will affect the life of a receptacle contact.
7. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock
8. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

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: 809-43-040-10-001000 - Standard Solder Tail
- Environmental Compliance: https://www.mill-max.com/rohs