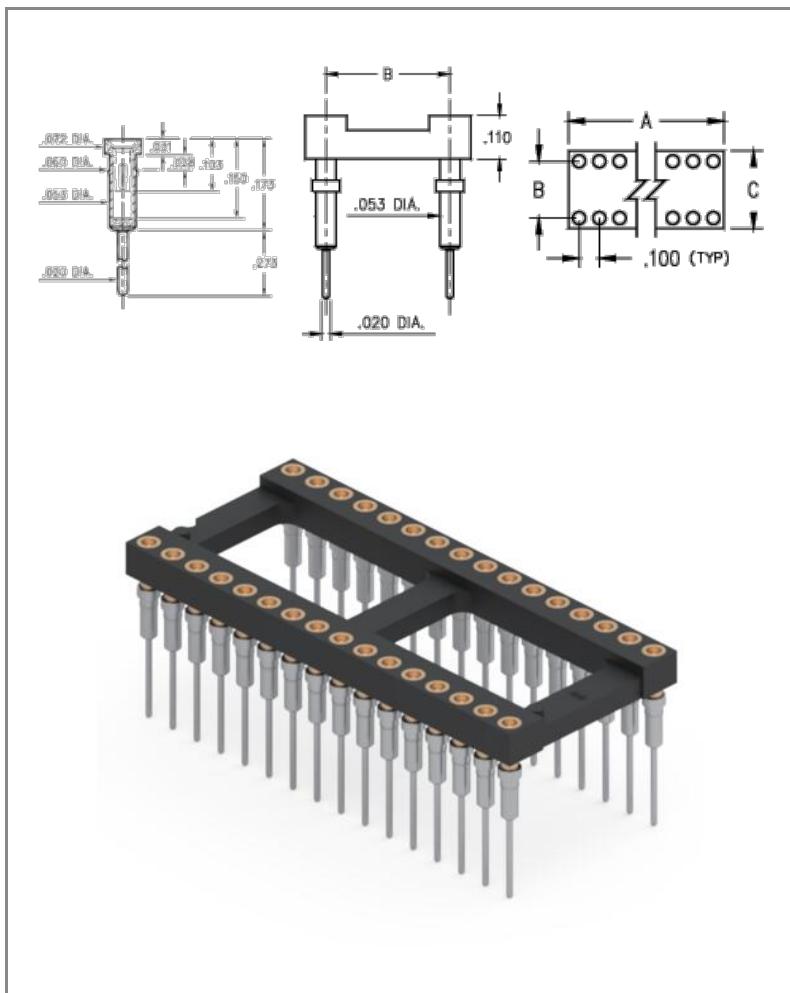




PRODUCT NUMBER: 612-93-632-41-004000

www.mill-max.com
DATA SHEET



General Info

Description¹: Plastic DIP Carrier
with Solder Tail Receptacles

Type: DIP

Category: Dual In Line Receptacle Carrier Socket

Mounting Style: Through Hole Solder Mount

Tail Type: Solder Tail

Pins: 32

Packaging: Packaged in Tubes

Qty Tube: 12

Frame Type: Open Frame

ECCN: Contact Factory

HTSUS: 8536.90.4040

Product Active

Country Of Origin: USA

612-93-632-41-004000- SPECIFICATIONS

Environmental Specs		Materials	
Temperature Range ² :	-55/+125° C	Loose Pin/Receptacle # (Material):	0132 (Brass Alloy)
Shock ³ :	No Elect. Discontinuity > 1μs @ 50g	Shell Plating:	200 μ" Tin/Lead(93/7) over 100 μ" Nickel
Vibration ⁴ :	No Elect. Discontinuity > 1μs @ 10-2000HZ, 15 G	Inner Contact #:	30
Moisture Sensitivity Level (MSL):	1 (Unlimited)	# Contact Fingers:	4
REACH Status:	REACH Unaffected	Inner Contact Material:	Beryllium Copper
Mechanical Specs		Inner Contact Plating:	30 μ" Gold over 50 μ" Nickel
Mechanical life (Durability) ⁵ :	1,000 Cycles Minimum	Insulator Material:	High Temp Thermoplastic
Mounting Hole:	.024" (0,610mm)	Technical Specs	
		Pitch:	.100" (2,540mm)
		A Dim:	1.600" (40,640mm)
		B Dim:	.600" (15,240mm)
		C Dim:	.700" (17,780mm)
Electrical Specs			
		Current Rating ⁶ :	3 Amps
		Contact Resistance ⁷ :	10 mΩ max.
		Rated Voltage:	100 VRMS/150 VDC
		Insulation Resistance:	10,000 MΩ min.
		Dielectric Withstanding Voltage:	1,000 VRMS min.

NOTES:

1. 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
2. Per IEC 60512-11-(4,-9,-10,-12)
3. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock
4. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)
5. 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.
6. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 10° C Temp. Rise)
- 7.

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

- Engineering Notebook: [How to Use Pin Receptacle Carriers](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>