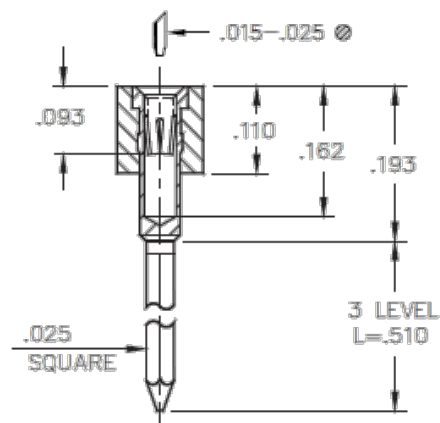




PRODUCT NUMBER: 523-93-168-17-105003

www.mill-max.com
DATA SHEET

SERIES 523 (3 Level Wrapost)



General Info

Description ¹ :	3 Level Wrapost
Type:	PGA
Category:	Machined Pin Socket
Mounting Style:	Through Hole Solder Mount
# Pins:	168
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Product Lifecycle:	Active
Country Of Origin:	USA

523-93-168-17-105003- SPECIFICATIONS

Environmental Specs

Temperature Range ² :	-55/+125° C
Moisture Sensitivity Level (MSL):	1 (Unlimited)
REACH Status:	REACH Unaffected

Materials

Loose Pin/Receptacle # (Material):	0088 (Brass Alloy)
Shell Plating:	200 μ" Tin/Lead(93/7) over 100 μ" Nickel
Inner Contact #:	43
# Contact Fingers:	6
Inner Contact Material:	Beryllium Copper
Inner Contact Plating:	30 μ" Gold over 50 μ" Nickel
Insulator Material:	High Temp Thermoplastic

NOTES:

1. Standard Tolerances:

Assembly tolerance: $\pm .010$ " (.25mm)

Insulator length: $\pm .005$ " (.13mm)

Insulator width: $\pm .005$ " (.13mm)

Insulator height: $\pm .005$ " (.13mm)

Pin Length: $\pm .005$ " (.13mm)

Pin Diameter: $\pm .002$ " (.051mm)

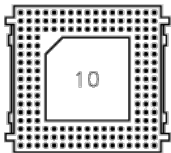
Pin Angle: $\pm 2^\circ$

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)

ADDITIONAL PARTS, PACKAGING, & ASSEMBLY INFO



168-17-105

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>