

Features:

- Low insertion force (1 oz. average per pin).
- Screw-machined terminals with multi-finger contacts for reliability.
- Closed bottom terminal for 100% anti-wicking of solder.
- Tapered entry for ease of insertion.
- Custom designs available.

Specifications:

Terminals:

Brass - Copper Alloy
(C36000) ASTM-B-16

Contacts:

Beryllium Copper
(C17200) ASTM-B-194

Solder Preform:

Standard: 63Sn/37Pb
Lead-free: 95.5Sn/4.0Ag/0.5Cu

Plating:

G - Gold over Nickel
M - Matte Tin over Nickel
T - Tin/Lead over Nickel

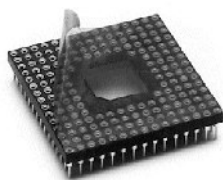
Gold per ASTM-B-488
Matte Tin per ASTM545-97
Tin/Lead per MIL-P-81728
Nickel per QQ-N-290

Table of Models

	<p>Description: Peel-A-Way® (KSX) Material: Polyimide Film Index: -269°C to 400°C (-452°F to 752°F)</p>	 Type -210 Shown
	<p>Description: Molded (RSX) Mat'l: High Temp. Liquid Crystal Polymer (LCP) Index: -40°C to 260°C (-40°F to 500°F)</p>	 Type -235 Shown

RSX replaces CSX.

Options



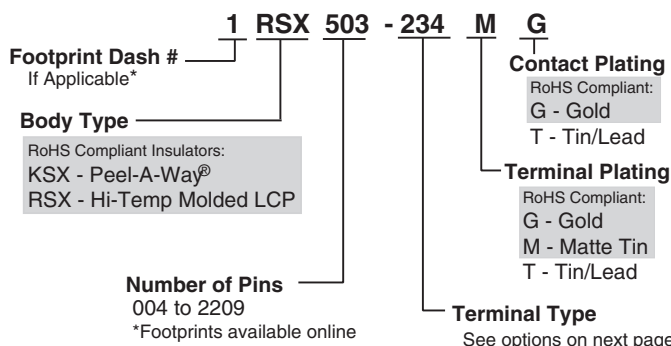
Tape Seal - add 3M to end of part number

- Removable tape seal protects plated contact in harsh environments
- Sealed socket will not allow dirt and other contaminants to enter socket chamber and become entrapped behind contact fingers
- Spray flux without contaminating contact area

Material

Silicone Backed Polyimide Film, -74°C to 260°C (-100°F to 500°F)
Intermittent to 371°C (700°F)

How To Order



Note: Terminals plated with Matte Tin are available only with Gold plated contacts.
Quick-Turn delivery is not available on products with Matte Tin plating.

Products shown covered by patents issued and/or pending. Specifications subject to change without notice.

inch/(mm)



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Interstitial PGA Sockets

Low Insertion Force .100/(2.54mm) Staggered Grid



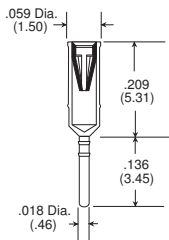
Standard Quick-Turn Terminals

Additional standard and custom terminals available.
See Terminals section or consult factory.

Type -210 Peel-A-Way® only	Type -176 Peel-A-Way® only	Type -234 Molded only	Type -82 Molded only

Type -235

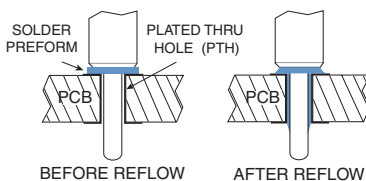
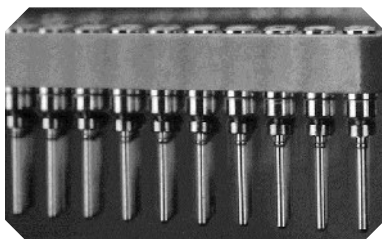
Molded only
4 standoffs per socket
Type -234 used in
remaining positions



Solder Preform Terminals

Tin/Lead: Type -311 Lead-free: Type -813	Tin/Lead: Type -313 Lead-free: Type -814	Tin/Lead: Type -432 Lead-free: Type -815
Molded only 	Molded only 	Peel-A-Way® only

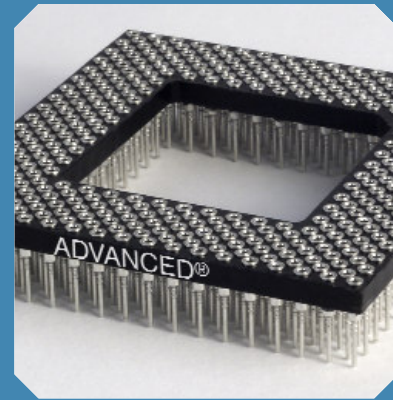
Intrusive Reflow Application



Solder Preform Terminals

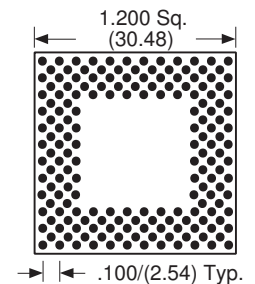
- Combines the labor of socket loading and solder application into one operation.
- Eliminates the use of solder paste and screening operation.
- Eliminates solder bridges and/or solder shorts due to excess solder.
- Ensures a reliable solder joint with controlled solder volume.
- Ideal for surface mount and mixed technology applications.
- For custom solder preform terminal applications consult factory.

PGA Sockets



Footprints:

180 Pins
Footprint Number 180



23 x 23 rows

- Full grid insulators loaded to your specific footprint.
- Open centers available upon request (consult factory).
- Hundreds of footprints available online.
- Use our online Build-A-Part feature or download a Footprints Booklet in PDF format.

Available Online:

- Extraction Tools
- RoHS Qualification Test Report
- CAD Drawings



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Interstitial Grid Design Your Own PGA Socket

.100/(2.54mm) Pitch Staggered

Contact Information

Date: _____

Company Name: _____

Address: _____

City: _____ State: _____ ZIP: _____ Country: _____

Specifier: _____ Title: _____

Phone: _____ Fax: _____

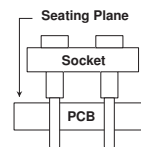
Email: _____ Pin Count: _____

Fill in Pin Location

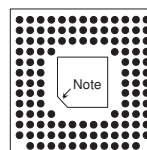
(Fill in or submit device mechanical specifications.)

BG	
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A	

1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	

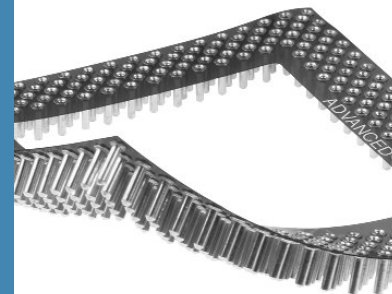


All sockets viewed looking toward seating plane of PCB and into female side of socket.



Note: Chamfer one corner for pin No. 1 location.

Design Your Own PGA Socket



Advanced has complete design and manufacturing capabilities available for your PGA socket needs.

By answering the following questions we can manufacture a socket to accept your device.

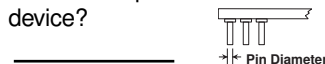
Copy this page and fill in the information required.
Fax to 401-823-8723.

Check insulator required.

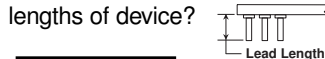
- ☐ High Temp. Molded LCP
☐ FR-4
☐ Peel-A-Way® Polyimide Film

Fill in the following information.

a. What is the pin diameter of device?

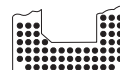


b. What is the min/max lead lengths of device?



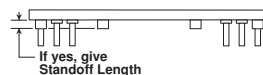
c. Keying chamfer required on socket?

- ☐ Yes ☐ No



d. Is there a standoff on device?

- ☐ Yes ☐ No



Circle Terminal Style Required

Additional standard and custom terminals available.
See Terminals section or consult factory.

Type -210 Peel-A-Way® only	Type -234 Molded/FR-4	Tin/Lead: Type -313 Lead-free: Type -814 Molded/FR-4	Tin/Lead: Type -432 Lead-free: Type -815 Peel-A-Way® only
Tin/Lead: Type -311 Lead-free: Type -813 Molded/FR-4	Type -82 Molded/FR-4		

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