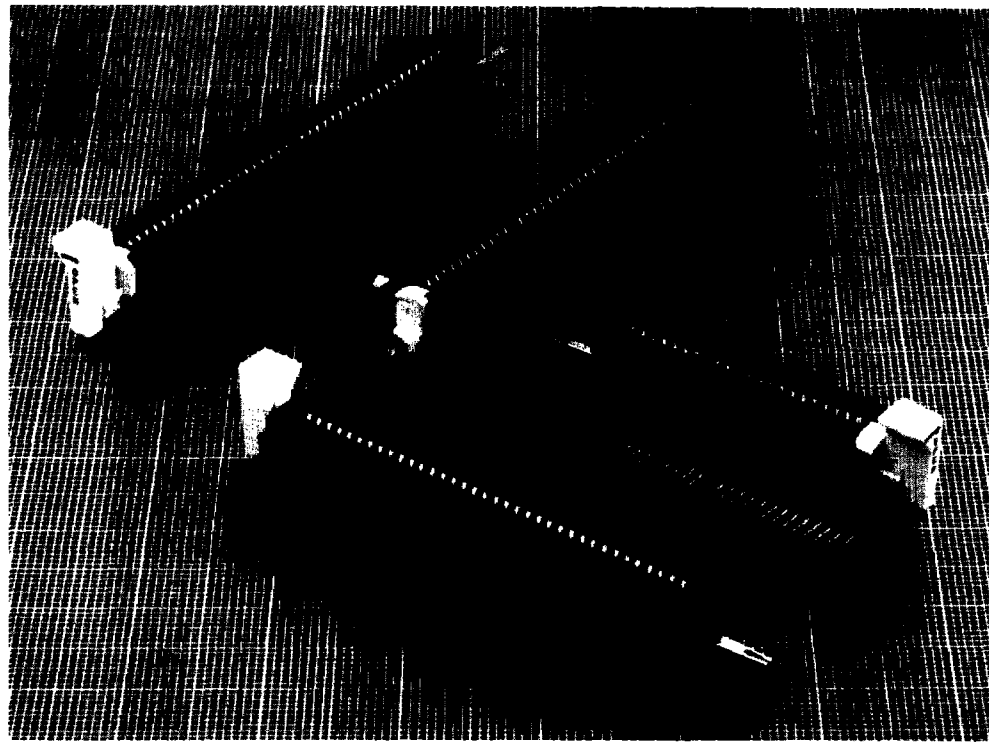


Rotary Cam ZIF Connectors

Product Facts

- Zero insertion force - little or no effort required to insert and withdraw Pc boards
- Reduced pad wear for extended board life
- Allows all four sides of board to be used for input/output functions
- Accepts double-sided boards
- Three contact styles to choose from - vertical solder post, right-angle solder post and wrap-type post (2 and 3 high)
- Available in .100 [2.54], .125 [3.18] and .156 [3.96] centerlines
- Three configurations available—open one end, open both ends and closed both ends
- Those products indicated are recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476



AMP Rotary Cam Zero Insertion Force (ZIF) Card Edge Connectors are available in sizes to fit most industry-standard printed circuit boards. A clockwise rotation of the cam handle opens contacts to allow zero-force insertion or removal of Pc boards - even boards with a large number of contacts. Turning the cam handle to close the connector locks the board securely in place. Rotary Cam ZIF Connectors accept double-sided Pc boards .054-.070

[1.37-1.78] thick, with contact centerline intervals of .100 [2.54], .125 [3.18] and .156 [3.96]. Row-to-row spacing of connector posts is .200 [5.08] for .100 [2.54] and .156 [3.96] connectors and .250 [6.35] for .125 [3.18] connectors.

Contacts are nickel underplated phosphor bronze with gold plate in the contact area and tin-lead plated posts. Contact configurations include vertical and right-angle solder posts, and wrap-type posts.

Connectors are preassembled in housings made from 94V-0 rated glass-filled polyester with mounting ears for easy mounting to the mother board. Housings are available with one end open, both ends open and both ends closed for side and top daughter board insertion. Integral board locks secure boards in connectors. Accessories include dust covers, cam keys for nut-driver actuation and for tandem operation of connectors.

Rotary Cam ZIF Connectors (Continued)

.100 x .200 [2.54 x 5.08]
Centerline



Vertical Connector, Solder Post Terminals

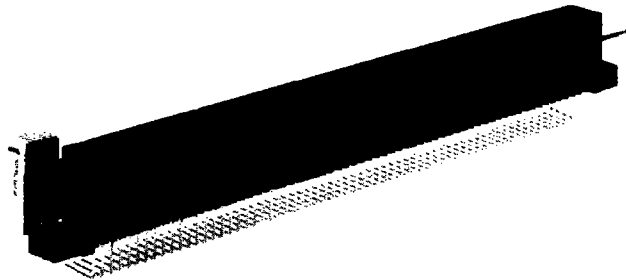
Note: 25 Pos. Housing Dim. (Typ.)—3.400 [86.36] L x .370 [9.40] W x .850 [21.60] H

No. of Dual Positions	Post Length	Part Numbers		
		Open One End*	Open Both Ends*	Closed Both Ends
22	.125 [3.18]	531020-1	—	531019-1
	.160 [4.06]	1-531020-1	—	—
25	.125 [3.18]	531020-2	—	531019-2
	.160 [4.06]	1-531020-2	—	—
31	.160 [4.06]	2-531020-1	—	—
36	.125 [3.18]	—	—	531019-4
	.160 [4.06]	1-531020-4	—	—
40	.125 [3.18]	531020-5	—	—
	.160 [4.06]	1-531020-5	—	—
43	.160 [4.06]	1-531020-7	—	—
50	.125 [3.18]	531020-8	531021-8	—
	.160 [4.06]	1-531020-8	1-531021-8	1-531019-8
60	.160 [4.06]	1-531020-9	1-531021-9	—
65	.125 [3.18]	1-531020-0	—	—
	.160 [4.06]	2-531020-0	—	—

*Recognized under the Component Program of Underwriters Laboratories Inc.

Notes: 1. Connector with card slot open one end is shown for illustration purposes.
2. Other connector sizes can be made available, consult AMP.

Right-Angle Connector, Solder Post Terminals



Note: 25 Pos. Housing Dim. (Typ.)—3.400 [86.36] L x .850 [21.60] W x .370 [9.40] H

No. of Dual Positions	Bend Left or Right	Part Numbers	
		Open One End*	Open Both Ends*
22	R	531396-1	—
25	R	—	531395-2
36	R	531396-4	—
65	R	1-531396-0	—

*Recognized under the Component Program of Underwriters Laboratories Inc.

Notes: 1. Connector with card slot open one end is shown for illustration purposes.
2. Other connector sizes can be made available, consult AMP.

Rotary Cam ZIF Connectors

(Continued)

.100 x .200 [2.54 x 5.08]
Centerline

Vertical Connector,
Wrap-Type Post Terminals



Note: 25 Pos. Housing Dim. (Typ.)—3.400 [86.36] L x .370 [9.40] W x .850 [21.60] H

Contacts—Phosphor bronze, plated
.000030 [0.00076] gold per MIL-G-
45204 in contact area; .000100
[0.00254] tin-lead per MIL-P-81728 on
post with entire contact underplated
.000050 [0.00127] nickel per QQ-N-290

No. of Dual Positions	Post Length	Part Numbers		
		Open One End*	Open Both Ends*	Closed Both Ends
25	.380 [9.65]	1-531414-2	—	—
		531414-4	531413-4	531415-4
36	.580 [14.73]	2-531414-1 ¹	—	—
	.380 [9.65]	1-531414-4	—	—
40	.580 [14.73]	531414-5	—	—
50	.580 [14.73]	531414-8	—	531415-8
65	.580 [14.73]	1-531414-0	—	1-531415-0

*Recognized under the Component Program of Underwriters Laboratories Inc.

¹Contacts plated .000030 [0.00076] gold in contact area, .000030 [0.00076] gold on post, with entire contact underplated .000050 [0.00127] nickel.

Notes: 1. Connector with card slot open one end is shown for illustration purposes.
2. Other connector sizes can be made available, consult AMP.

.125 x .250 [3.18 x 6.35]
Centerline

Vertical Connector,
Solder Post Terminals



Note: 28 Pos. Housing Dim. (Typ.)—4.425 [112.40] L x .370 [9.40] W x .850 [21.60] H

No. of Dual Positions	Post Length	Part Numbers	
		Open One End*	Open Both Ends*
28	.125 [3.18]	—	531024-3
36	.125 [3.18]	531023-5	—
40	.160 [4.06]	1-531023-4	1-531024-4
50	.125 [3.18]	531023-8	—

*Recognized under the Component Program of Underwriters Laboratories Inc.

Notes: 1. Connector with card slot open one end is shown for illustration purposes.
2. Other connector sizes can be made available, consult AMP.

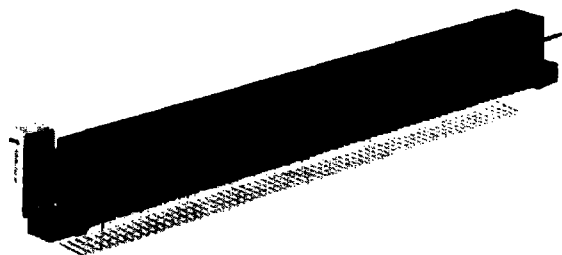
Right-Angle Connector,
Solder Post Terminals

28 Dual Positions

Open One End, Bend Right
Part Number 531402-3*

*Recognized under the
Component Program of
Underwriters
Laboratories Inc.

Note: Other connector sizes
can be made available,
consult AMP.



Note: 28 Pos. Housing Dim. (Typ.)—4.425 [112.40] L x .850 [21.60] W x .370 [9.40] H

Rotary Cam ZIF Connectors (Continued)

.156 x .200 [3.96 x 5.08]
Centerline



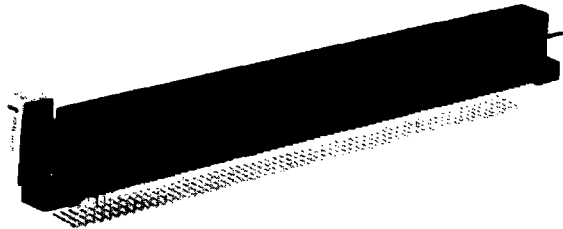
Note: 22 Pos. Housing Dim. (Typ.)—4.388 [111.46] L x .370 [9.40] W x .850 [21.60] H

No. of Dual Positions	Post Lengths	Part Numbers		
		Open One End*	Open Both Ends *	Closed Both Ends
22	.125 [3.18]	531025-3	—	—
	.160 [4.06]	—	—	531007-9
36	.160 [4.06]	—	1-531026-1	—
43	.125 [3.18]	531025-6	—	—
	.160 [4.06]	—	1-531026-2	—

*Recognized under the Component Program of Underwriters Laboratories Inc.

Notes: 1. Connector with card slot open one end is shown for illustration purposes.
2. Other connector sizes can be made available, consult AMP.

Right-Angle Connector, Solder Post Terminals



Note: 36 Pos. Housing Dim. (Typ.)—
6.572 [166.93] L x .850 [21.60] W
x .370 [9.40] H

No. of Dual Positions	Part Number	
	Open One End*	
36	531408-5	

*Recognized under the Component Program of Underwriters Laboratories Inc.

Notes: 1. Other connector sizes can be made available, consult AMP.
2. Bend right.

Vertical Connector, Wrap-Type Post Terminals



Note: 28 Pos. Housing Dim. (Typ.)—
5.324 [135.23] L x .370 [9.40] W
x .850 [21.60] H

No. of Dual Positions	Part Numbers	
	Open One End*	
28	531631-4	
43	531631-6	

*Recognized under the Component Program of Underwriters Laboratories Inc.

Notes: 1. Connector with card slot open one end is shown for illustration purposes.
2. Other connector sizes can be made available, consult AMP.