

Low Profile Edge Connectors

Product Facts

- Low profile housing is .460 [11.68] deep
- 6 through 43 dual positions on .156 [3.96] centerline; 6 through 50 dual positions on .125 [3.18] centerline
- Solder eyelet for wire-to-board or solder post for mother-daughter board application
- Selective gold plating of contact area for high performance at low cost
- Contacts bifurcated for redundancy
- Tin plate for high solderability of solder eyelets and posts
- Accepts .055-.070 [1.40-1.78] thick printed circuit boards
- Housings available with or without mounting ears
- Intercontact keying available
- UL 94V-0 rated, glass-filled polyester housings
- Variety of solder post lengths
- 5 ampere current rating per contact*
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476



For printed circuit board packaging, AMP Low Profile Edge Connectors provide high performance, low cost connections on .125 [3.18] and .156 [3.96] centerline spacings.

Mounted connector housings extend only .460 [11.68] from the mother board to allow efficient use of available space.

These low profile connectors are available in 6 through 43 dual position sizes on .156 [3.96] centerline spacing and with 6 through 50 dual positions on .125 [3.18] centers. Connectors are supplied with either solder posts for mother-daughter board applications or solder eyelet contacts for wire-to-board use.

Low Profile Edge Connectors feature clear slot entry and accept .055-.070 [1.40-1.78] thick double-sided printed circuit boards. Solder posts are available with .150 [3.18] and .180 [4.57] long tails on .140 [3.56] or .200 [5.08] row-to-row spacing.

Impact-resistant thermoplastic housing, UL rated 94V-0, have molded-in cavity identification and are available with or without mounting ears. Additional features of the housings include intercontact and wrap-around keying provisions, probe slots and identification of number one position.

The precision formed contacts made of phosphor bronze are gold plated on the contact mating surface only. This selective plating provides high reliability while maintaining low cost. Solder eyelets and posts are tin plated for excellent solderability. The contact is bifurcated for redundancy. Shorting contacts are available.

All connector configurations are furnished preloaded. Selectively loaded connectors can be made available for added economy.

*Consult AMP engineering when paralleling contacts for power applications.

SOURCE: Catalog 82619

**Specifications
subject to change.**

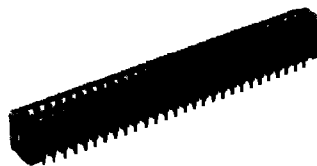
1-800-522-6752
Product Information Center/ AMP FAX Service

1-800-722-1111
Tooling/Technical Assistance Center

Printed Circuit Board Connectors
One-Piece Printed Circuit Board Connectors (Board-to-Board)

Low Profile Edge Connectors (Continued)

.125 [3.18] Centerline



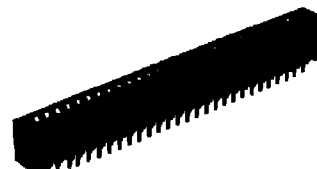
Note: 24 Pos. Housing Dim. (Typ.)—3.285 [83.44] L x .370 [9.40] W x .460 [11.68] H

Flow Solder Post
.200 [5.08]
Row-to-Row Spacing

No. of Dual Positions	Post Length	Part Numbers	
		With Mounting Ears	Without Mounting Ears
6	.150 [3.81]	—	2-530671-1
10	.150 [3.81]	—	2-530671-2
15	.180 [4.57]	2-530663-2	—
18	.150 [3.81]	2-530662-3	2-530671-3
22	.150 [3.81]	—	2-530671-4
24	.180 [4.57]	2-530663-4	—
28	.150 [3.81]	2-530662-5	2-530671-5
30	.150 [3.81]	—	3-530671-3
36	.150 [3.81]	2-530662-6	2-530671-6
40	.180 [4.57]	—	2-530671-7
50	.150 [3.81]	2-530663-9	2-530671-9
		—	—
		—	3-530671-0
		3-530662-2	—

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

Flow Solder Post
.140 [3.56]
Row-to-Row Spacing

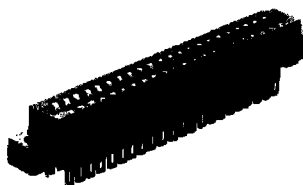


Note: 28 Pos. Housing Dim. (Typ.)—3.785 [96.14] L x .370 [9.40] W x .460 [11.68] H

No. of Dual Positions	Post Length	Part Numbers	
		With Mounting Ears	Without Mounting Ears
15	.150 [3.81]	—	2-530673-3
	.180 [4.57]	—	—
28	.150 [3.81]	—	2-530673-6
	.180 [4.57]	—	2-530674-6
50	.180 [4.57]	3-530659-2	—

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

Solder Eyelet Contact
.235 [5.97]
Row-to-Row Spacing



Note: 22 Pos. Housing Dim. (Typ.)—
3.555 [90.30] L x .370 [9.40] W x .460 [11.68] H

Keying Plugs
Intercontact Key
Part No. 650025-2

No. of Dual Positions	Part Numbers With Mounting Ears
6	2-530664-1
15	2-530664-3
22	2-530664-5
28	2-530664-6
40	3-530664-0
50	3-530664-2

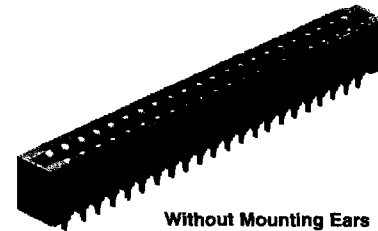
Note: Other connector sizes can be made available, consult AMP.

Low Profile Edge Connectors (Continued)

.156 [3.96] Centerline



With Mounting Ears



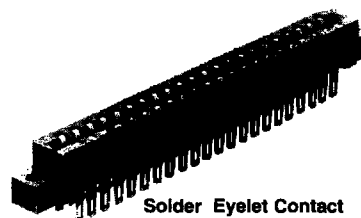
Without Mounting Ears

Flow Solder Post
.200 [5.08]
Row-to-Row Spacing

Note: 22 Pos. Housing Dim. (Typ.)—4.281 [108.74] L x .370 [9.40] W x .460 [11.68] H

No. of Dual Positions	Post Length	Part Numbers		
		With Mounting Ears	With Mounting Ears and Inserts	Without Mounting Ears
6	.150 [3.81]	2-530655-1	2-530677-1	2-530666-1
10	.150 [3.81]	2-530655-2	2-530677-2	2-530666-2
	.180 [4.57]	2-530656-2	—	2-530667-2
12	.150 [3.81]	2-530655-3	—	2-530666-3
15	.150 [3.81]	2-530655-4	2-530677-4	2-530666-4
	.180 [4.57]	2-530655-5	—	2-530666-5
18	.150 [3.81]	—	—	2-530667-5
	.180 [4.57]	2-530655-6	—	2-530666-6
22	.150 [3.81]	2-530656-6	2-530678-6	2-530667-6
	.180 [4.57]	2-530655-8	—	2-530666-8
25	.150 [3.81]	2-530656-8	—	—
	.180 [4.57]	3-530655-2	—	3-530666-2
28	.150 [3.81]	3-530656-2	—	—
	.180 [4.57]	2-530655-9	2-530677-9	2-530666-9
30	.150 [3.81]	—	—	2-530667-9
	.180 [4.57]	3-530655-0	—	3-530666-0
36	.150 [3.81]	3-530656-0	—	3-530667-0
	.180 [4.57]	3-530655-3	3-530677-3	3-530666-3
43	.150 [3.81]	3-530656-3	—	3-530667-3
	.180 [4.57]	—	—	—

Flow Solder Post
.140 [3.56] Row-to-Row
Spacing and
Solder Eyelet Contact
.235 [5.97]
Row-to-Row Spacing



Solder Eyelet Contact
With Mounting Ears

Note: 22 Pos. Housing Dim. (Typ.)—4.281 [108.74] L x .370 [9.40] W x .460 [11.68] H

No. of Dual Positions	Post Length	Part Numbers		
		Flow Solder Post	Solder Eyelet Contact	
		With Mounting Ears	Without Mounting Ears	With Mounting Ears
6	.150 [3.81]	2-530657-1	2-530668-1	2-530654-1
10	.150 [3.81]	2-530657-2	—	2-530654-2
12	.150 [3.81]	—	2-530668-3	2-530654-3
15	.150 [3.81]	2-530657-4	—	2-530654-4
	.180 [4.57]	—	2-530669-4	—
18	.150 [3.81]	2-530657-5	2-530668-5	2-530654-5
	.180 [4.57]	—	2-530669-5	—
22	.150 [3.81]	2-530657-6	2-530668-6	2-530654-6
	.180 [4.57]	2-530658-6	—	—
24	—	—	—	2-530654-7
25	—	—	—	2-530654-8
28	.150 [3.81]	3-530657-2	—	3-530654-2
30	—	—	—	2-530654-9
36	.150 [3.81]	3-530657-0	—	3-530654-0
	.180 [4.57]	—	3-530669-0	—
43	.150 [3.81]	3-530657-3	3-530668-3	3-530654-3
	.180 [4.57]	—	3-530669-3	—

Keying Plugs
Intercontact Wrap-Around Key
Part No. 531455-2

Intercontact Key
Part No. 650025-2

SOURCE: Catalog 82619

Specifications
subject to change.

1-800-522-6752
Product Information Center/ AMP FAX Service

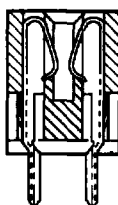
1-800-722-1111
Tooling/Technical Assistance Center

Low Profile Edge Connectors (Continued)

Other Connector Styles

Flow Solder Post .200 [5.08] Row-to-Row Spacing with Deep Card Slot

Flow Solder Post

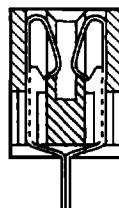


Note: 22 Pos. Housing Dim. (Typ.)—4.281 [108.74] L x .370 [9.40] W x .460 [11.68] H

No. of Dual Positions	Part Number	
	With Mounting Ears	Without Mounting Ears
22	2-530691-6	—

Flow Solder Post Single Readout

Single Readout Solder Post

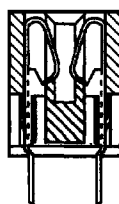


Note: 22 Pos. Housing Dim. (Typ.)—
With Mounting Ears, 4.281 [108.74] L x .370 [9.40] W x .460 [11.68] H

No. of Dual Positions	Part Numbers	
	With Mounting Ears	Without Mounting Ears
10	2-530692-2	2-530693-2
15	2-530692-4	2-530693-4
18	—	2-530693-5
22	2-530692-6	2-530693-6

Solder Post .200 [5.08] Row-to-Row Spacing for .040 [1.02] Diameter Hole

Solder Post



Note: 22 Pos. Housing Dim. (Typ.)—
With Mounting Ears, 4.281 [108.74] L x .370 [9.40] W x .460 [11.68] H

No. of Dual Positions	Part Numbers	
	With Mounting Ears	Without Mounting Ears
22	2-530689-6	531433-4