ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

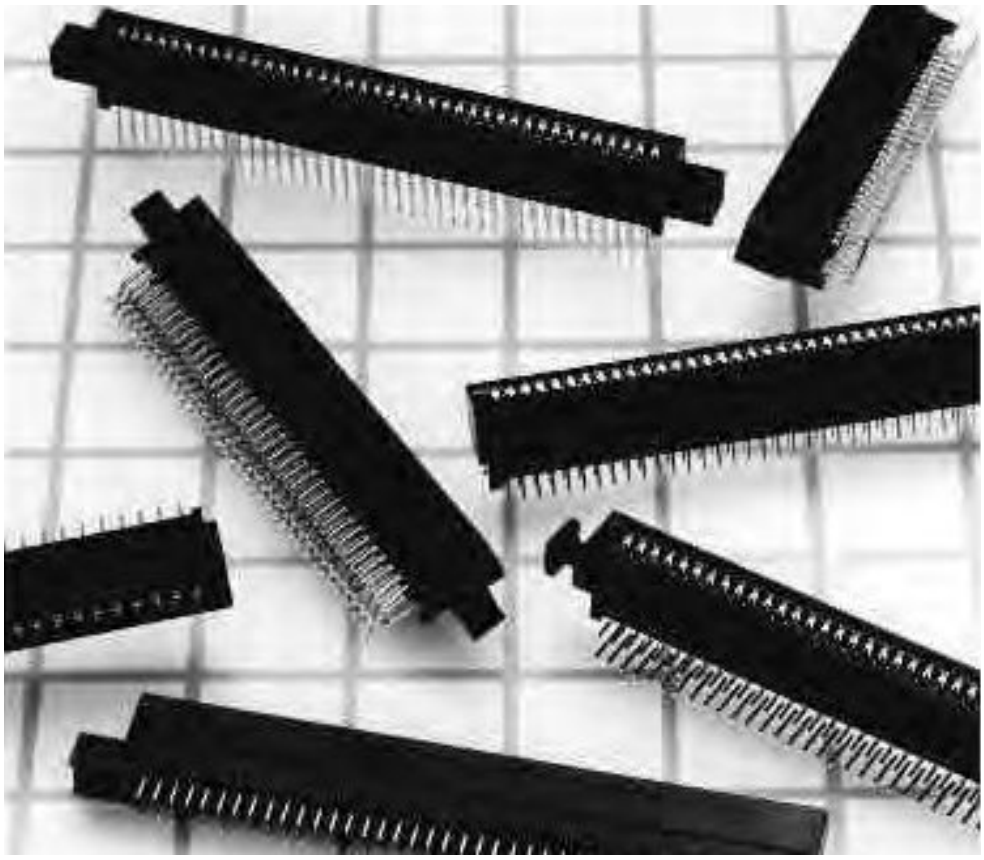
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Tyco Electronics / AMP 1-530841-6* at our website: *Click HERE*

Standard Edge II Connectors



Product Facts

- **Maximum number of dual positions .100 [2.54] Centerlines-70, .125 [3.18] Centerlines-50, .150 [3.81] Centerlines-31**
- **Selective gold plating of contacts for high performance at low cost**
- **.025 [0.64] square solid posts meet standard wrap-type specifications**
- **For flow solder applications**
- **Glass-filled polyester housing is 94V-0 rated**
- **Accepts double sided PC boards, .054-.070 [1.27-1.78] thick**
- **Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476**
- **Certified by Canadian Standards Association, File No. LR 7189**

Performance Specifications

Contact Rating*: 3 amperes continuous (UL and CSA)

Contact Resistance: 10 milliohms max.

Operating Temperature: –55°C to +85°C

Voltage Rating (Sea Level):
.100 [2.54] centerline—1000 VAC (test)
.125 [3.18] centerline—1500 VAC (test)
.150 [3.81] centerline—1500 VAC (test)

Insulation Resistance: 5000 megohms min., after exposure to humidity

Vibration Tolerance: 10 to 500 hertz

Contact Engagement Force: 12 oz [3.3 N] average per pair with .062 [1.57] PC board

Contact Separation Force: 2 oz [0.6 N] average per pair with .062 [1.57] PC board

Humidity Tolerance: 90%-95% for 96 hours

AMP Standard Edge II Connectors provide high reliability and economy in packages compatible with industry standards for double sided printed circuit boards.

Tyco Electronics offers Standard Edge II Connectors with or without mounting ears, for rack mounting and soldering. Contacts are arranged on .100 [2.54] centers, .125 [3.18] centers, .150 [3.81] centers, .200 [5.08] row-to-row; and .250 [6.35] row-to-row.

Right-angle connectors are also available with contacts arranged on .100 [2.54] centers, .150 [3.81] row-to-row or .200 [5.08] row-to-row.

Card extenders with contacts on .100 [2.54] and .125 [3.18] centers also are available.

Precision formed phosphor bronze contacts are selectively gold plated. Phosphor bronze has excellent strength characteristics which help the connector absorb load deflection movement of a PC board while maintaining sufficient contact force for good electrical connection. Bifurcated cantilever beam contacts provide redundant contact.

***Consult Tyco Electronics engineering when paralleling contacts for power applications.**

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

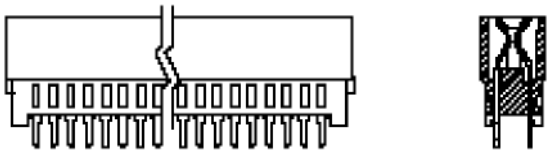
Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

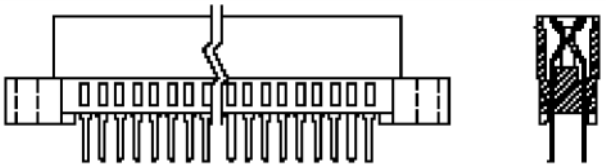
South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors Styles

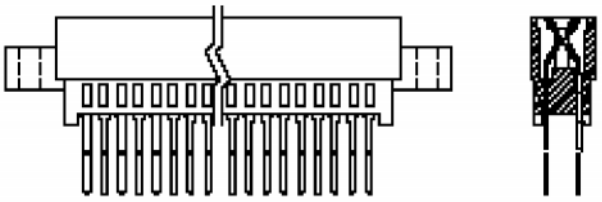
.100 [2.54] and .125 [3.18] Centerline Solder Posts without Mounting Ears
Pages 17 and 18



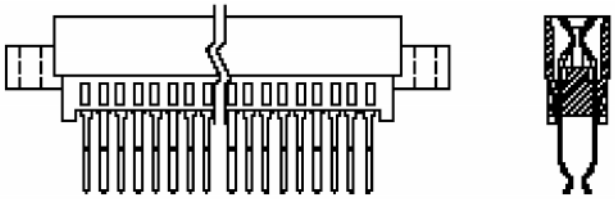
.100 [2.54] and .125 [3.18] Centerline Solder Posts with Low and Mid-High Mounting Ears
Page 20



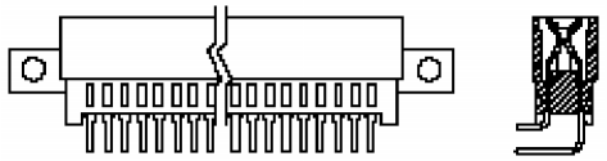
.100 [2.54] and .125 [3.18] Centerline Wrap-Type Posts with Mid-High Mounting Ears
Page 21

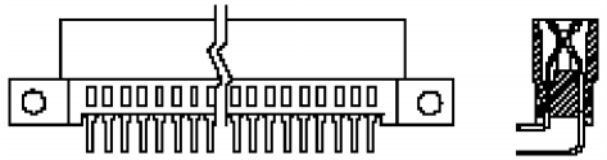


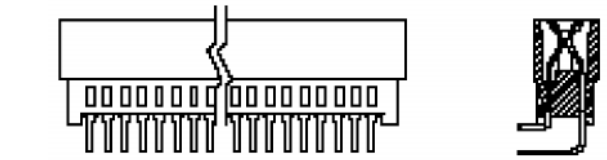
.100 [2.54] and .125 [3.18] Centerline Card Extenders
Page 22



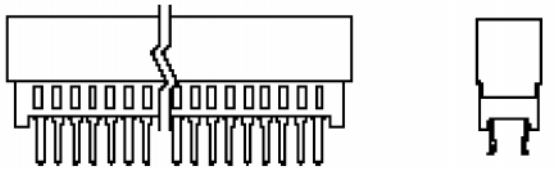
.100 [2.54] Centerline Right-Angle Posts with Low and No Mounting Ears
Page 23



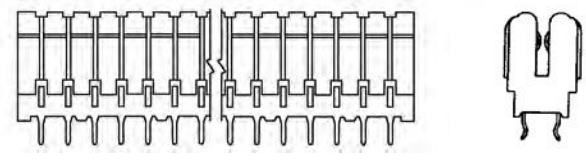




.100 [2.54] Centerline Solder Posts with Board Retention Feature, without Mounting Ears
Page 24



.150 [3.81] Centerline Solder Posts (with Board Retention Feature), without Mounting Ears
Page 19



Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Card Edge Connectors

.100 [2.54] Centerline, Vertical Solder Posts, Without Mounting Ears

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, duplex plated as follows:

Plating A—.000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

Plating B—.000015 [0.00038] gold in contact area, tin on posts, with entire contact nickel underplated

Plating C—Gold flash in contact area, tin on posts, with entire contact nickel underplated

Technical Documents:

Product Specification
108-9039

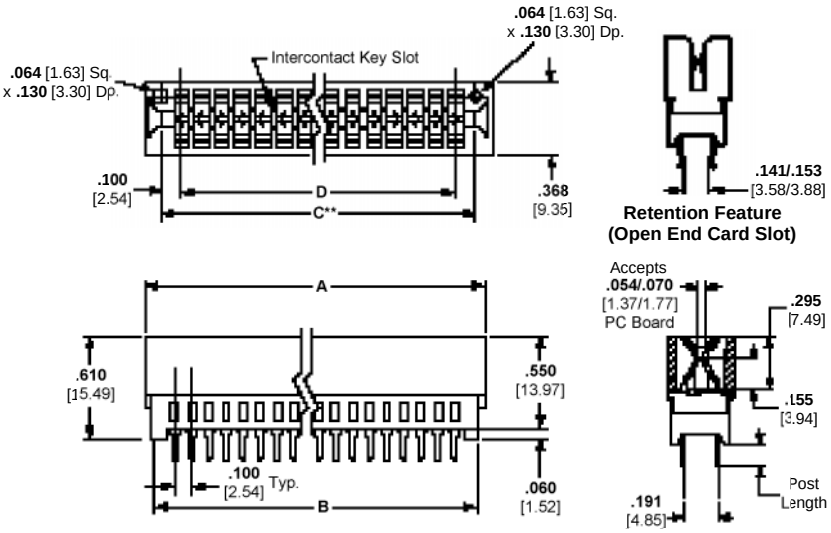
Intercontact Keying Plug

Material:

Natural color polyester



Part Number 650025-2
(**.100** [2.54] Centerline)



No. of Dual Positions	Dimensions				Post Length*	Part Numbers		
	A	B	C**	D		Plating A	Plating B	Plating C
3	**.560** 14.22	**.450** 11.43	Open End	**.200** 5.08	**.125**	650263-1[1]	—	—
6	**.860** 21.84	**.750** 19.05	**.700** 17.78	**.500** 12.70	**.125** **.187**	7-530843-5 7-530843-6	—	—
10	**1.260** 32.00	**1.150** 29.21	**1.100** 27.94	**.900** 22.86	**.125** **.187**	5-530843-0 4-530843-9	—	—
12	**1.460** 37.08	**1.350** 34.29	**1.300** 33.02	**1.100** 27.94	**.125**	530843-1	—	—
15	**1.760** 44.70	**1.650** 41.91	**1.600** 40.64	**1.400** 35.56	**.125**	530843-2	—	—
17	**1.960** 49.78	**1.850** 46.99	**1.800** 45.72	**1.600** 40.64	**.125**	5-530843-3	—	—
18	**2.060** 52.32	**1.950** 49.53	**1.900** 48.26	**1.700** 43.18	**.125**	530843-3	2-530843-7	176137-1[1]
20	**2.260** 57.40	**2.150** 54.61	**2.100** 53.34	**1.900** 48.26	**.125**	5-530843-4	—	—
22	**2.460** 62.48	**2.350** 59.69	**2.300** 58.42	**2.100** 53.34	**.125**	530843-4	—	—
25	**2.760** 70.10	**2.650** 67.31	**2.600** 66.04	**2.400** 60.96	**.125**	530843-5	—	—
28	**3.060** 77.72	**2.950** 74.93	**2.900** 73.66	**2.700** 68.58	**.125**	530843-6	—	—
30	**3.260** 82.80	**3.150** 80.01	**3.100** 78.74	**2.900** 73.66	**.125** **.187**	530843-7 1-530843-8	—	—
31	**3.360** 85.34	**3.250** 82.55	**3.200** 81.28	**3.000** 76.20	**.125**	6-530843-5	7-530843-0	—
36	**3.860** 98.04	**3.750** 95.25	**3.700** 93.98	**3.500** 88.90	**.125**	530843-8	—	—
40	**4.260** 108.20	**4.150** 105.41	**4.100** 104.14	**3.900** 99.06	**.187**	2-530843-0	—	—
50	**5.260** 133.60	**5.150** 130.81	**5.100** 129.54	**4.900** 124.46	**.125**	1-530843-1	—	—

*Metric equivalent for post lengths are **.125** = 3.18; **.187** = 4.75.
**C dimension is card slot length.
[1] Connectors with Retention Feature.

Notes: 1. Other connector sizes can be made available, consult Tyco Electronics.
2. High temperature IR reflow compatible connectors can be made available, consult Tyco Electronics.

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

.125 [3.18] Centerline, Vertical Solder Posts, Without Mounting Ears

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, plated with .000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

Related Product Data:

Performance Specifications—page 15
PC Board Hole Layout—page 26
PC Board Edge Pattern—page 27
Special Application—page 96

Technical Documents:

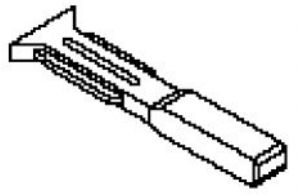
(pages 186, 187):

Product Specification
108-9039

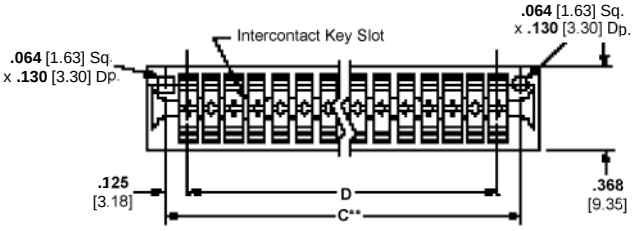
Intercontact Keying Plug

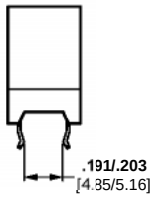
Material:

Natural color polyester

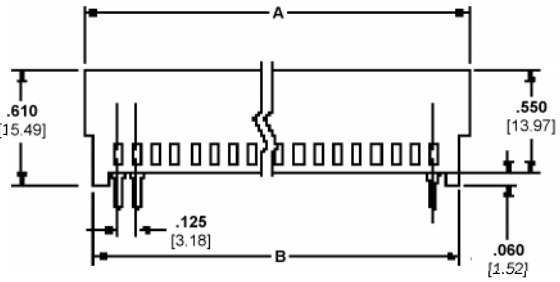


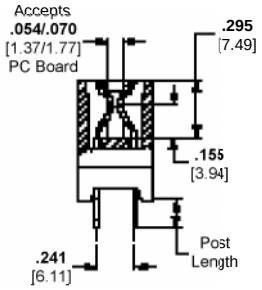
Part No. 650025-1
(**.125** [3.18] Centerline)





Retention Feature





No. of Dual Positions	Dimensions				Post Length*	Part Numbers
	A	B	C**	D		
6	**1.035** 26.29	**.875** 22.22	**.875** 22.22	**.625** 15.88	**.125**	650207-1[1]
14	**2.035** 51.69	**1.875** 47.62	**1.875** 47.62	**1.625** 41.28	**.187**	5-530844-8
18	**2.535** 64.39	**2.375** 60.33	**2.375** 60.33	**2.125** 53.98	**.187**	1-530844-5
22	**3.035** 77.09	**2.875** 73.03	**2.875** 73.03	**2.625** 66.68	**.187**	1-530844-6
28	**3.785** 96.14	**3.625** 92.08	**3.625** 92.08	**3.375** 85.73	**.187**	1-530844-7
30	**4.035** 102.49	**3.875** 98.42	**3.875** 98.42	**3.625** 92.08	**.187**	1-530844-8
36	**4.785** 121.54	**4.625** 117.48	**4.625** 117.48	**4.375** 111.13	**.187**	1-530844-9
40	**5.285** 134.24	**5.125** 130.18	**5.125** 130.18	**4.875** 123.82	**.187**	2-530844-0
43	**5.660** 143.76	**5.500** 139.70	**5.500** 139.70	**5.250** 133.35	**.125**	1-530844-0
50	**6.535** 165.99	**6.375** 161.93	**6.375** 161.93	**6.125** 155.58	**.125** **.187**	1-530844-1 2-530844-2

*Metric equivalent for post lengths are **.125** = [3.18]; **.187** = [4.75]
****C** dimension is card slot length.

[1]Connector with Retention Feature.

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

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

.150 [3.81] Centerline, Vertical Solder Posts, Retention Feature, Without Mounting Ears

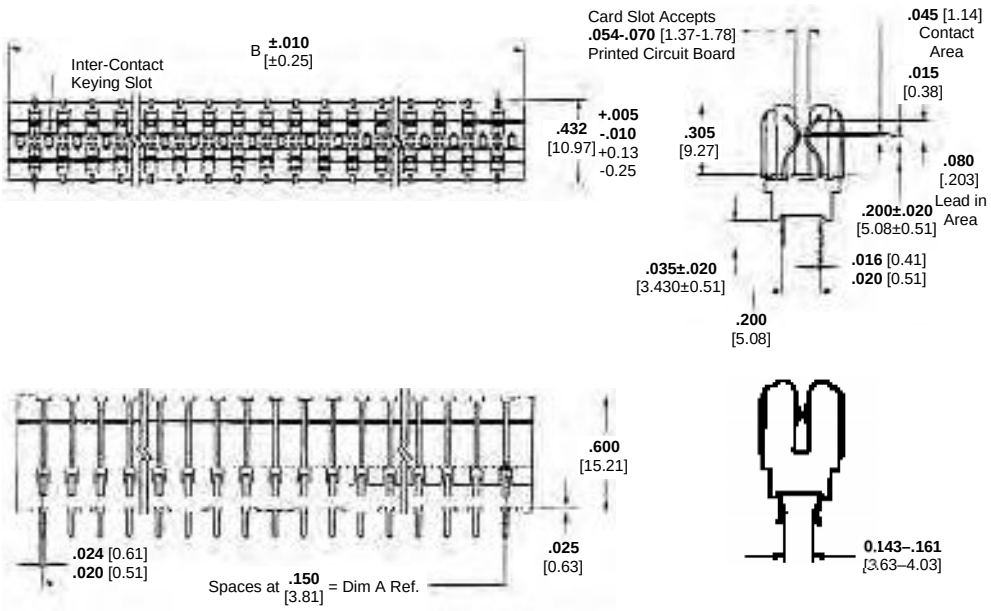
Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, plated with .000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

Related Product Data:

Performance Specifications—page 15
PC Board Hole Layout—page 26
PC Board Edge Pattern—page 27
Special Application—page 96



No. of Dual Positions	Dimensions A	Dimensions B	Retention Location	Post Length*	Part Numbers
12	**1.650** 41.91	**1.920** 48.77	7-10, 15-18	**.135**	1-650728-2
19	**2.700** 68.58	**2.970** 75.44	7-10, 29-32	**.135**	1-650728-9
28	**4.050** 102.87	**4.320** 109.73	7-10, 25-32,47-50	**.135**	2-650728-9
31	**4.500** 114.30	**4.770** 121.16	7-10, 27-34,53-56	**.135**	3-650728-1

*Metric equivalent for post length is **.135** = [3.43]
****C** dimension is card slot length.

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

Catalog 1654080
Issued 7-03
www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425
South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

.100 [2.54] and .125 [3.18] Centerline, Vertical Solder Posts, Low and Mid-High Mounting Ears

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, plated with .000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

Related Product Data:

Performance Specifications—page 15

PC Board Hole Layout—page 26

PC Board Edge Pattern—page 27

Special Application—page 96

Technical Documents:

(pages 186, 187):

Product Specification
108-9039

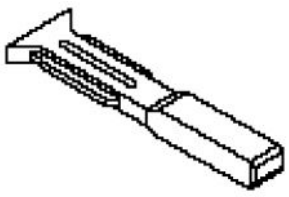
Intercontact Keying Plugs

Material:

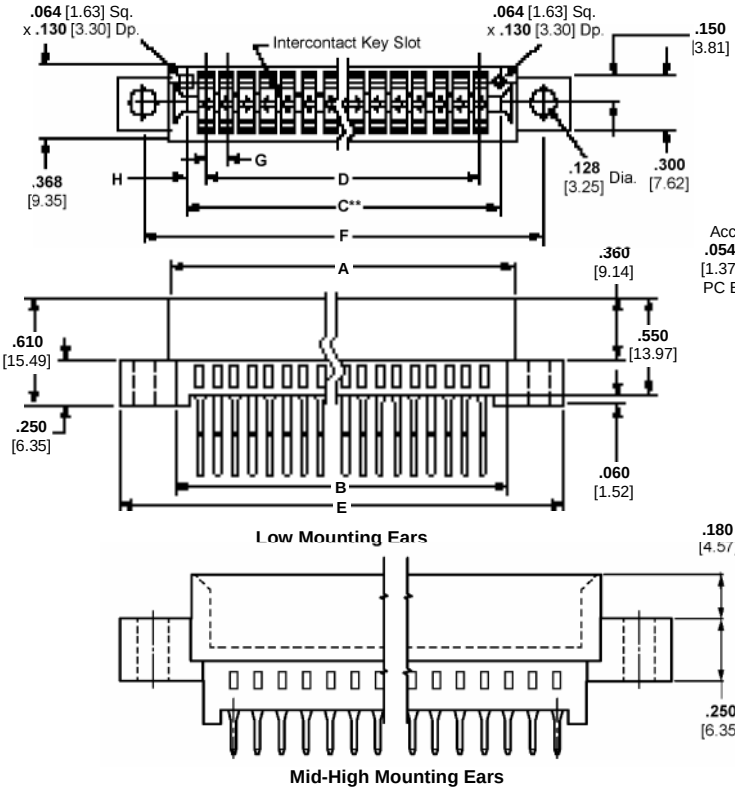
Natural color polyester



Part No. 650025-2
(**.100** [2.54] Centerline)



Part No. 650025-1
(**.125** [3.18] Centerline)



.100 [2.54] Centerline

No. of Dual Positions	Dimensions									Post Length*	Part Numbers
	A	B	C**	D	E	F	G	H	J		
15	**1.760** 44.70	**1.650** 41.91	**1.600** 40.64	**1.400** 35.56	**2.385** 67.18	**2.075** 52.71	**.100** 2.54	**.100** 2.54	**.191** 4.85	**.125**	530841-2
18	**2.060** 52.32	**1.950** 49.53	**1.900** 48.26	**1.700** 43.18	**2.645** 67.18	**2.375** 60.32	**.100** 2.54	**.100** 2.54	**.191** 4.85	**.125**	530841-3
25	**2.760** 70.10	**2.650** 67.31	**2.600** 66.04	**2.400** 60.96	**3.345** 84.96	**3.075** 78.11	**.100** 2.54	**.100** 2.54	**.191** 4.85	**.125** **.187**	530841-5 1-530841-6
30	**3.260** 82.80	**3.160** 80.01	**3.100** 78.74	**2.900** 73.66	**3.845** 97.66	**3.575** 90.81	**.100** 2.54	**.100** 2.54	**.191** 4.85	**.187**	1-530841-8
36	**3.860** 98.04	**3.750** 95.25	**3.700** 93.98	**3.500** 88.90	**4.445** 112.90	**4.175** 106.21	**.100** 2.54	**.100** 2.54	**.191** 4.85	**.125**	530841-8
50	**5.260** 133.60	**5.150** 130.81	**5.100** 129.54	**4.900** 124.46	**5.845** 148.46	**5.575** 141.60	**.100** 2.54	**.100** 2.54	**.191** 4.85	**.125** **.187**	1-530841-1 2-530841-2
									.141-.153 3.58-3.88	**.125**	650718-1[1,2]

*Metric equivalent for post lengths are **.125** = [3.18]; **.187** = [4.75]
****C** dimension is card slot length.
[1]Connector with Retention Feature.
[2]Connector with Mid-High Mounting Ears.
Note: Other connector sizes can be made available, consult Tyco Electronics.

.125 [3.18] Centerline

No. of Dual Positions	Dimensions									Post Length*	Part Numbers
	A	B	C**	D	E	F	G	H	J		
6	**1.035** 26.29	**.875** 22.22	**.875** 22.22	**.625** 15.88	**1.555** 39.50	**1.295** 32.89	**.125** 3.18	**.125** 3.18	**.241** 6.11	**.125**	1-531341-3
28	**3.785** 96.14	**3.505** 89.03	**3.625** 92.08	**3.375** 85.73	**4.305** 109.35	**4.045** 102.74	**.125** 3.18	**.125** 3.18	**.241** 6.11	**.187**	1-530842-7
									.241 6.11	**.187**	3-531341-0[2]
50	**6.535** 165.99	**6.255** 158.88	**6.375** 161.93	**6.125** 155.58	**7.055** 179.20	**6.795** 172.59	**.125** 3.18	**.125** 3.18	**.241** 6.11	**.125**	1-530842-1

*Metric equivalent for post lengths are **.125** = [3.18]; **.187** = [4.75]
****C** dimension is card slot length.
[1]Connector with Retention Feature.
[2]Connector with Mid-High Mounting Ears.
Note: Other connector sizes can be made available, consult Tyco Electronics.

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

.100 [2.54] and .125 [3.18] Centerline, Vertical Wrap-Type Posts, Mid-High Mounting Ears

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, plated with .000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

Related Product Data:

Performance Specifications—page 15
PC Board Hole Layout—page 26
PC Board Edge Pattern—page 27
Special Application—page 96

Technical Documents:

(pages 186, 187):

Product Specification
108-9039

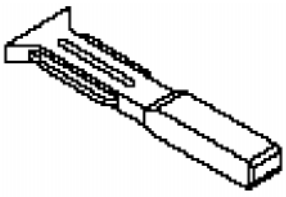
Intercontact Keying Plugs

Material:

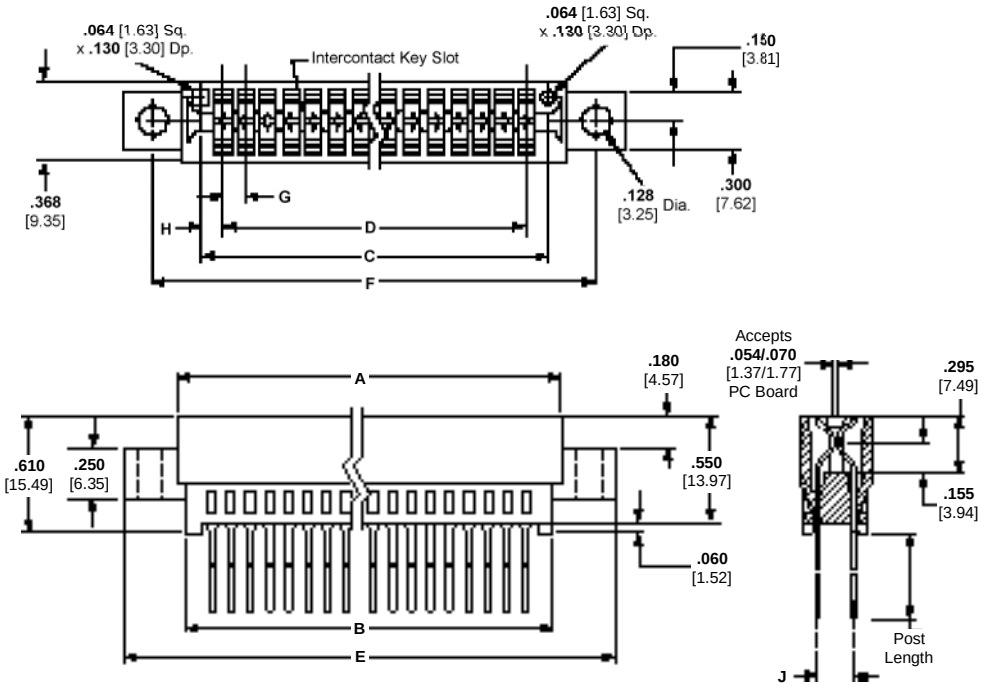
Natural color polyester



Part No. 650025-2
(**.100** [2.54] Centerline)



Part No. 650025-1
(**.125** [3.18] Centerline)



.100 [2.54] Centerline

No. of Dual Positions	Dimensions									Post Length*	Part Numbers
	A	B	C**	D	E	F	G	H	J		
30	**3.260** 82.80	**3.150** 80.01	**3.100** 78.74	**2.900** 73.66	**3.845** 97.41	**3.575** 90.80	**.100** 2.54	**.100** 2.54	**.200** 5.08	**.570**	3-530396-3
36	**3.860** 98.04	**3.750** 95.25	**3.700** 93.98	**3.500** 88.90	**4.435** 112.65	**4.175** 106.04	**.100** 2.54	**.100** 2.54	**.200** 5.08	**.570**	3-530396-4
40	**4.260** 108.20	**4.150** 105.41	**4.100** 104.14	**3.900** 99.06	**4.845** 123.06	**4.575** 116.21	**.100** 2.54	**.100** 2.54	**.200** 5.08	**.570**	3-530396-4

*Metric equivalent for post length is **.570** = [14.48].
****C** dimension is card slot length.

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

.125 [3.18] Centerline

No. of Dual Positions	Dimensions									Post Length*	Part Numbers
	A	B	C**	D	E	F	G	H	J		
22	**3.035** 77.09	**2.755** 69.98	**2.875** 73.02	**2.625** 66.67	**3.555** 90.30	**3.295** 83.69	**.125** 3.18	**.125** 3.18	**.250** 6.35	**.570**	4-530825-5

*Metric equivalent for post length is **.570** = [14.48].
****C** dimension is card slot length.

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

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

.100 [2.54] and .125 [3.18] Centerlines, Card Extender Contacts

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, plated with .000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

Related Product Data:

Performance Specifications—page 15

PC Board Hole Layout—page 26

PC Board Edge Pattern—page 27

Technical Documents:

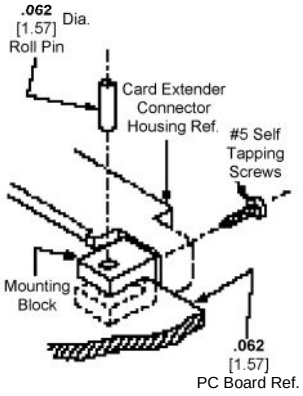
(pages 186, 187):

Product Specification
108-9039

Mounting Block

Material:

Natural color nylon

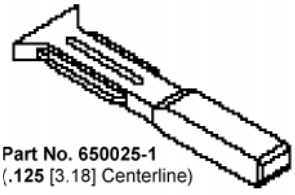


Kit Part No.531250-4
Each kit includes 2 mounting blocks, 2 self tapping screws, #5 x .437 [11.10] and 2 roll pins, .075 x .250 [1.57 x 6.35]

Intercontact Keying Plugs

Material:

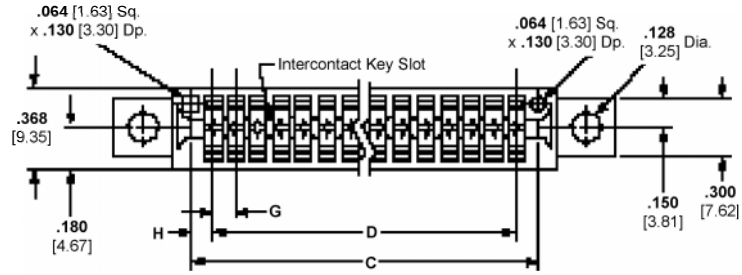
Natural color polyester

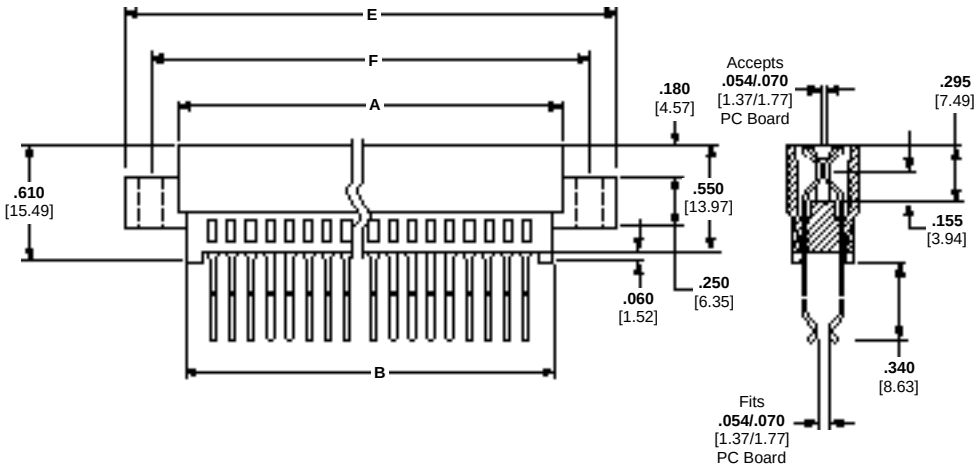


Part No. 650025-1
(**.125** [3.18] Centerline)



Part Number 650025-2
(**.100** [2.54] Centerline)





.100 [2.54] Centerline

No. of Dual Positions	Dimensions								Part Numbers
	A	B	C**	D	E	F	G	H	
50	**5.260** 133.60	**5.160** 130.81	**5.100** 129.54	**4.900** 124.46	**5.845** 148.46	**5.575** 141.60	**.100** 2.54	**.100** 2.54	530826-3

*__C__ dimension is card slot length.

[1]No mounting ears.

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

.125 [3.18] Centerline

No. of Dual Positions	Dimensions								Part Numbers
	A	B	C**	D	E	F	G	H	
36	**4.785** 121.54	**4.505** 114.43	**4.625** 117.48	**4.375** 111.13	**5.035** 134.75	**5.045** 128.14	**.125** 3.18	**.125** 3.18	530384-2

*__C__ dimension is card slot length.

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

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Card Edge Connectors

.100 [2.54] Right-Angle Solder Posts, with Low and No Mounting Ears

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

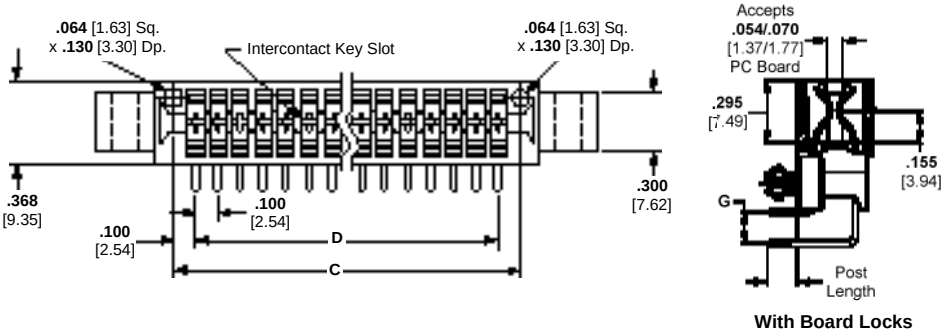
Contacts—Phosphor bronze, duplex plated as follows:
Plating A—.000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated
Plating B—.000015 [0.00038] gold in contact area, tin on posts, with entire contact nickel underplated

Related Product Data:

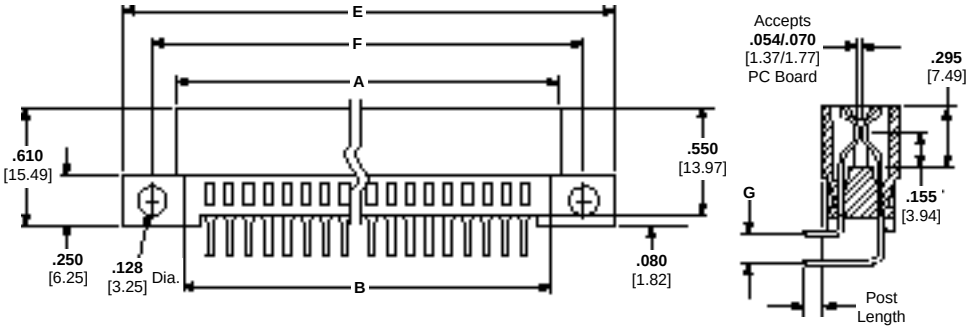
Performance Specifications—
page 15

Technical Documents:

Product Specification
108-9039



With Board Locks



Low Mounting Ears

Intercontact Keying Plug

Material:

Natural color polyester



Part Number 650025-2
(**.100** [2.54] Centerline)

Low Mounting Ears

No. of Dual Positions	Dimensions							Post Length[2]	Part Numbers (Plating A)
	A	B	C*	D	E	F	G[1]		
12	**1.460** 37.08	**1.350** 34.29	**1.300** 33.02	**1.100** 27.94	**2.045** 51.94	**1.775** 45.08	**.100x** **.150**	**.090**	145089-1[3]
18	**2.060** 52.32	**1.950** 49.53	**1.900** 48.26	**1.700** 43.18	**2.645** 67.18	**2.375** 60.32	**.100x** **.150**	**.090**	645384-1
20	**2.260** 57.40	**2.150** 54.61	**2.100** 53.34	**1.900** 48.26	**2.845** 72.30	**2.575** 65.40	**.100x** **.150**	**.090**	645384-3

*__C__ dimension is card slot length.

[1] Metric equivalent for **.100 x .150** and **.100 x .200** are [2.54 x 3.81] and [2.54 x 5.08].
[2] Metric equivalent for post length is **.090** = [2.27].
[3] Connector with Board Locks.

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

No Mounting Ears

No. of Dual Positions	Dimensions					Post Length[2]	Part Numbers	
	A	B	C*	D	G[1]		Plating A	Plating B
15	**1.760** 44.70	**1.650** 41.91	**1.600** 40.64	**1.400** 35.56	**.100x** **.150**	**.090**	650118-1	—
17	**1.960** 49.78	**1.850** 46.99	**1.800** 45.72	**1.600** 40.64	**.100x** **.200**	**.090**	650187-1	—
25	**2.760** 70.10	**2.350** 67.61	**2.600** 66.04	**2.400** 60.96	**.100x** **.150**	**.090**	—	532600-2
31	**3.360** 85.34	**3.250** 82.55	**3.200** 81.28	**3.000** 76.20	**.100x** **.150**	**.090**	—	532600-4
32	**3.460** 87.88	**3.350** 85.09	**3.300** 83.82	**3.100** 78.74	**.100x** **.150**	**.090**	—	532600-5
19	**2.160** 54.86	**2.750** 69.85	**2.700** 68.58	**1.800** 45.72	**.100x** **.150**	**.090**	—	532600-6

*__C__ dimension is card slot length.

[1] Metric equivalent for **.100 x .150** and **.100 x .200** are [2.54 x 3.81] and [2.54 x 5.08].
[2] Metric equivalent for post length is **.090** = [2.27].

Notes: 1. Other connector sizes can be made available, consult Tyco Electronics.
2. High temperature IR reflow compatible connectors can be made available, consult Tyco Electronics.

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Card Edge Connectors

.100 [2.54] Centerline Vertical Solder Posts, Retention Feature, Without Mounting Ears

Material and Finish:

Housing—Black glass-filled polyester, 94V-0 rated

Contacts—Phosphor bronze, duplex plated as follows:

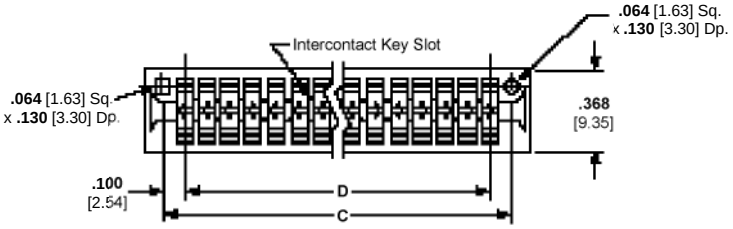
Plating A—.000030 [0.00076] gold in contact area, tin on posts, with entire contact nickel underplated

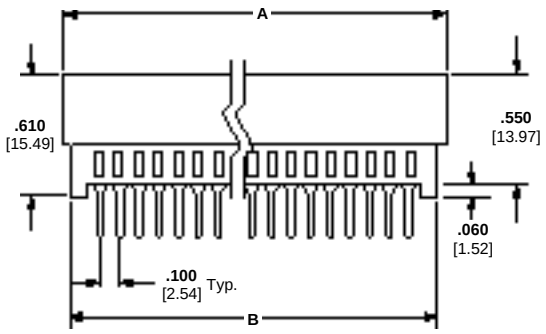
Plating B—.000015 [0.00038] gold in contact area, tin on posts, with entire contact nickel underplated

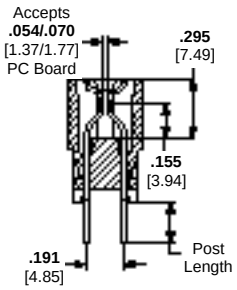
Plating C—Gold flash in contact area, tin on posts, with entire contact nickel underplated

Technical Documents:

Product Specification
108-9039







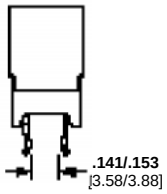
Intercontact Keying Plug

Material:

Natural color polyester



Part Number 650025-2
(**.100** [2.54] Centerline)



Retention Feature

No. of Dual Positions	Dimensions				Post Length*	Retention Feature	PartNumbers
	A	B	C**	D			Plating A
18	**2.060** 52.32	**1.950** 49.53	**1.900** 48.26	**1.700** 43.18	**.125**	3-6, 31-34	645235-4
31	**3.360** 85.34	**3.250** 82.55	**3.200** 81.28	**3.000** 76.20	**.125**	3-6, 29-32 or 31-34, 57-60	645235-1
50	**5.260** 133.60	**5.150** 130.81	**5.100** 129.54	**4.900** 124.46	**.125**	3-6, 49-52, 95-98	645235-3
60	**6.260** 159.00	**6.150** 156.21	**6.100** 154.94	**5.900** 149.86	**.125**	3-6, 55-58, 63-66, 115-118	645235-8

*Metric equivalent for post length is **.125** = [3.18].

****C** dimension is card slot length.

Notes: 1. Other connector sizes can be made available, consult Tyco Electronics.
2. High temperature IR reflow compatible connectors can be made available, consult Tyco Electronics.

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Card Edge Connectors

.100 [2.54] Centerline, Special 18/31 Dual Combination Connector, Vertical Solder Posts, Without Mounting Ears

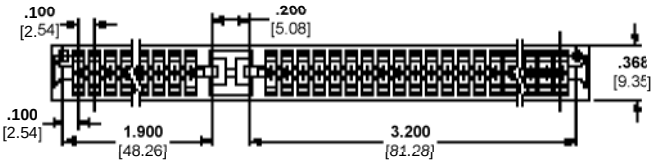
Material and Finish:

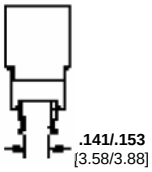
Housing—Black glass-filled polyester, 94V-0 rated, except where noted

Contacts—Phosphor bronze, plated with .000030 [0.00076] gold in contact area (except where noted), tin on posts, with entire contact nickel underplated

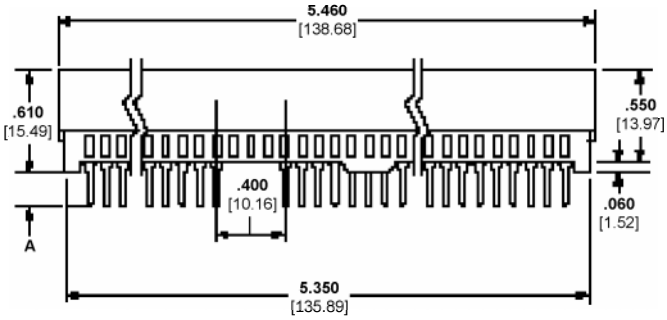
Technical Documents:

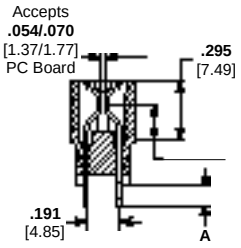
Product Specification
108-9039





Retention Feature





Solder Posts

Intercontact Keying Plug

Material:

Natural color polyester



Part Number 650025-2
(**.100** [2.54] Centerline)

No. of Dual Positions	Post Type	Dimension A	Retention Feature	Part Numbers
52	Solder Posts	**.125** 3.18	3-6, 41, 42, 51, 52, 93-96	645169-2 536128-1[1]
52	Solder Posts	**.125** 3.18	None	645169-3
52	Solder Posts	**.125** 3.18	3-14, 41, 42, 51, 52, 85-96	645169-4
52	Solder Posts	**.125** 3.18	5, 6, 31, 32, 41, 42, 93, 94	176139-1[2]
52	Solder Posts	**.187** 4.75	None	650616-1

[1] Housing material is high temperature glass-filled polyester, gray.
[2] Contact area is gold flash.

Notes: 1. Card slot length is **5.300** [134.62].
2. Other connector sizes can be made available, consult Tyco Electronics.
3. High temperature IR reflow compatible connectors can be made available, consult Tyco Electronics.

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

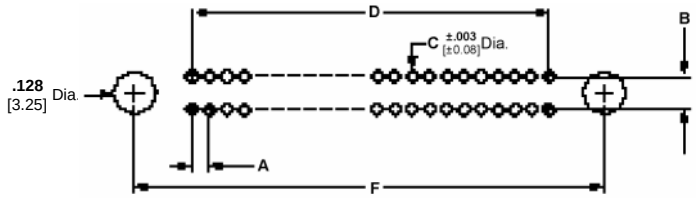
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

Recommended PC Board Hole Layouts

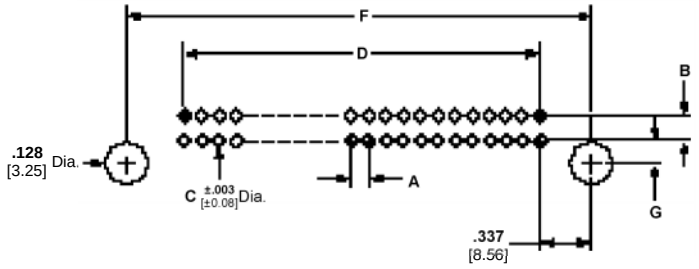
Vertical Post Connectors



Connector Type	Dimensions				
	A	B	C	D	F
Solder Post/Retention	**.100** 2.54	**.200** 5.08	**.040** 1.02	See Note 1	See Note 2
Solder Post/Retention	**.150** 3.81	**.200** 5.08	**.040** 1.02	See Note 4	See Note 2
Solder Post, Mounting Ears	**.125** 3.18	**.250** 6.35	**.040** 1.02	See Note 3	See Note 3
Solder Post, W/O Mounting Ears	**.100/.125** 2.54/3.18	**.200/.250** 5.08/6.35	**.040** 1.02	See Note 4	See Note 2
Wrap-Type Post	**.100** 2.54	**.200** 5.08	**.042** 1.07	See Note 5	See Note 5
Wrap-Type Post	**.125** 3.18	**.250** 6.35	**.042** 1.07	See Note 5	See Note 5

Notes: 1. Refer to page 24 for **D** Dimensions and Dual Positions.
2. No mounting ears. Dimensions do not apply.
3. Refer to page 20 for **D** and **F** Dimensions and Dual Positions.
4. Refer to pages 18 and 19 for **D** Dimensions and Dual Positions.
5. Refer to page 21 for **D** and **F** Dimensions and Dual Positions.

Right-Angle Post Connectors



Connector Type	Dimensions					
	A	B	C	D	F	G
Right-Angle Posts, Mounting Ears	**.100** 2.54	**.150** 3.81	**.042** 1.07	See Note 1	See Note 1	**.137** 3.48
Right-Angle Posts, No Mounting Ears	**.100** 2.54	**.150 or .200** 3.81 or 5.08	**.042** 1.07	See Note 2	See Note 3	See Note 3

Notes: 1. Refer to page 23 for **D** and **F** Dimensions and Dual Positions.
2. Refer to page 23 for **D** Dimensions and Dual Positions.
3. No Mounting Ears, Dimensions do not apply.

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

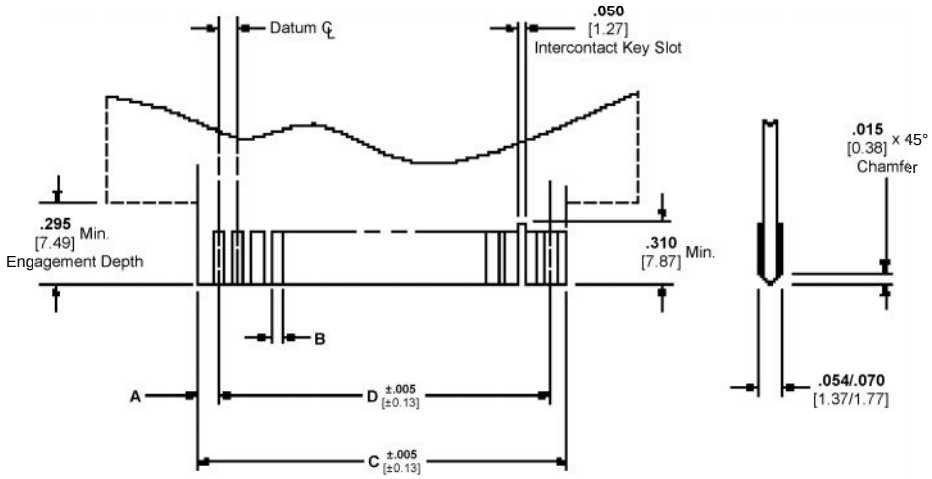
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Standard Edge II Connectors (Continued)

Recommended PC Board Edge Pattern

PC Board Edge Pattern for .100 [2.54] and .125 [3.18] Centerline



No. of Dual Positions	.100 [2.54] Centerline A = .093 [2.36] B = .050 [1.27]		.125 [3.18] Centerline A = .118 [3.00] B = .075 [1.90]	
	C	D	C	D
3	**.386** 9.80	**.200** 5.08	—	—
6	**.686** 17.42	**.500** 12.70	**.861** 21.87	**.625** 15.88
10	**1.086** 27.58	**.900** 22.86	**1.361** 34.57	**1.125** 28.58
12	**1.286** 32.66	**1.100** 27.94	—	—
13	**1.386** 35.20	**1.200** 30.48	—	—
14	—	—	**1.861** 47.27	**1.625** 41.28
15	**1.586** 40.28	**1.400** 35.56	—	—
17	**1.786** 45.36	**1.600** 40.64	—	—
18	**1.886** 47.90	**1.700** 43.18	**2.361** 59.97	**2.125** 53.98
22	**2.286** 58.06	**2.100** 53.34	**2.861** 72.67	**2.625** 66.68
25	**2.586** 65.68	**2.400** 60.96	—	—
28	**2.886** 73.30	**2.700** 68.58	**3.611** 91.72	**3.375** 85.73
30	**3.086** 78.38	**2.900** 73.66	**3.861** 98.07	**3.625** 92.08
31	**3.186** 80.92	**3.000** 76.20	**3.986** 101.24	**3.750** 95.25
35	**3.586** 91.08	**3.400** 86.36	—	—
36	**3.686** 93.62	**3.500** 88.90	**4.611** 117.12	**4.375** 111.13
40	**4.086** 103.78	**3.900** 99.06	**5.111** 129.82	**4.875** 123.82
43	**4.386** 111.40	**4.200** 106.68	**5.486** 139.34	**5.250** 133.35
50	**5.086** 129.18	**4.900** 124.46	**6.361** 161.57	**6.125** 155.58
60	**6.086** 154.58	**5.900** 149.86	—	—
70	**7.086** 179.98	**6.900** 175.26	—	—

Catalog 1654080
Issued 7-03

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-5-729-0425

South America: 55-11-3611-1514
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-141-810-8967

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP