

FFC/FPC Connectors

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SMT Connectors

Matrix G-3
Easy-On™ Type
 0.30mm (.012") Pitch G-4
 0.50mm (.020") Pitch G-5 to G-8
0.50mm (.020") Pitch
 ZIF G-9 to G-15
 Non-ZIF G-16 to G-18
0.625mm (.0246") Pitch G-19 to G-21
0.80mm (.031") Pitch G-22
1.00mm (.039") Pitch
 ZIF G-23 to G-25
 Non-ZIF G-26 to G-28

Through Hole Connectors

Matrix G-29
1.00mm (.039") Pitch
 ZIF G-30 to G-33
 Non-ZIF G-34 to G-36
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 ZIF G-37 to G-38
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 ZIF G-42 to G-43
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For more information, please see the last page of the catalog for the location nearest you or contact:

FEATURES AND SPECIFICATIONS

 **FFC/FPC Connectors
With Actuators**

The Actuator System offers the following advantages:

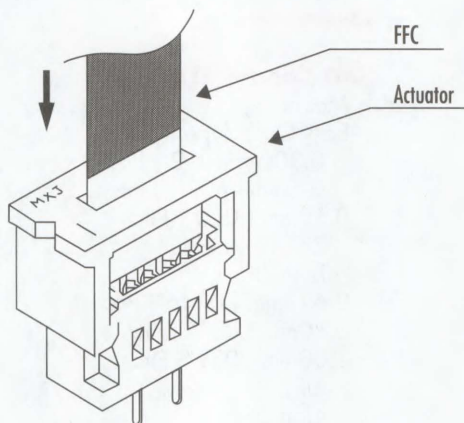
- Low wear—the Zero Insertion Force (ZIF) contacts allow for repeated cycling with minimal wear.
- High strength/small size—the cover assures maximum cable retention in the smallest size
- Easy insertion—the ZIF contacts allow for the easy insertion of very thin cable

Molex offers a wide variety of connectors for flat flexible cable (FFC) and flexible printed circuitry (FPC). Included in this FFC/FPC family are connectors with actuators on 0.30, 0.50, 0.625, 1.00 and 1.25mm pitch. Actuators are pre-assembled covers that secure the connection between the FFC/FPC and the connector terminals.

HOW THE SYSTEM WORKS

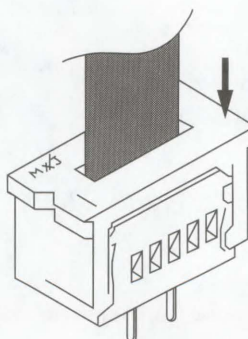
1

Raise the actuator cover and insert the FFC/FPC through the actuator cover and into the connector body.



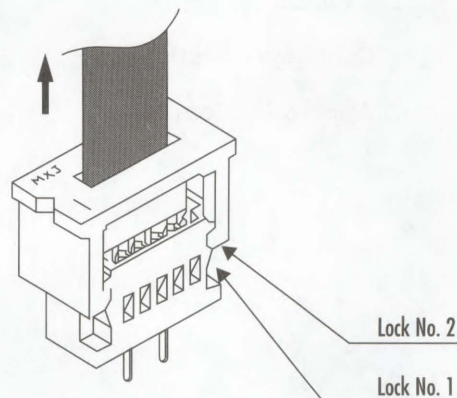
2

Press down the cover. This moves the actuating tabs against the terminals and makes a high-pressure contact between the deflected terminal and the cable contact area.



3

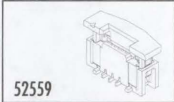
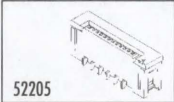
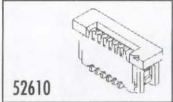
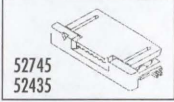
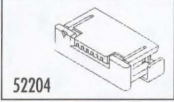
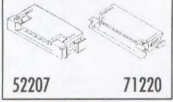
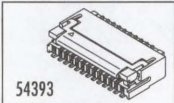
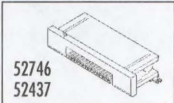
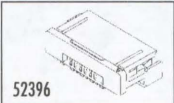
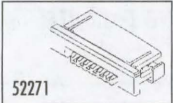
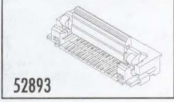
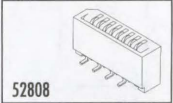
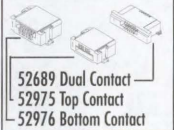
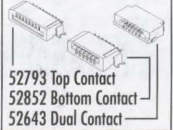
To disconnect the cable and connector, simply raise the cover and slip out the FFC/FPC.



molex® SMT FFC/FPC Connectors
Product Matrix

FFC/FPC Connectors

G

	0.30mm (.012")	0.50mm (.020")	0.625mm (.025")	0.80mm (.031")	1.00mm (.039")
ZIF-Straight		 52559	 52205		 52610
ZIF Right Angle Top Contact		 52745 52435	 52204		 52207 71220
ZIF Right Angle Bottom Contact	 54393	 52746 52437	 52396		 52271
ZIF Right Angle Bottom Contact Easy-On Type		 52892  52893			
Non-ZIF Straight					 52808
Non-ZIF Right Angle		 52689 Dual Contact 52975 Top Contact 52976 Bottom Contact		 52557 Dual Contact	 52793 Top Contact 52852 Bottom Contact 52643 Dual Contact

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 21, 27, 33, 39 and 51 circuits
- Ultra-low profile of 2.05mm (.081")
- Actuator rotates back 100 degrees for easy cable insertion
- Staggered dual-row PCB layout provides space savings and easy soldering
- Contact design includes pre-hold cable feature to help facilitate FPC insertion

Reference Information

Product specification: PS-54393-018

Packaging: Embossed tape

Designed In: Millimeters

Electrical

Voltage: 50V

Current: 0.2A

Contact Resistance:

Odd circuits—80mΩ max.

Even circuits—40mΩ max.

Dielectric Withstanding Voltage: 250V AC/1 min.

Insulation Resistance: 50 MΩ min.

Physical

Housing: LCP, UL 94V-0

Actuator: PPS, UL 94V-0

Contact: Phosphor Bronze

Plating: Contact Area—Tin/Lead over Copper

Solder Tab Area—Tin/Lead over Copper

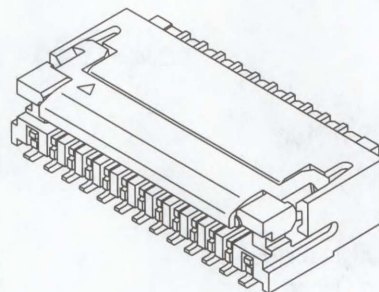
Operating Temperature: -20 to +85°C



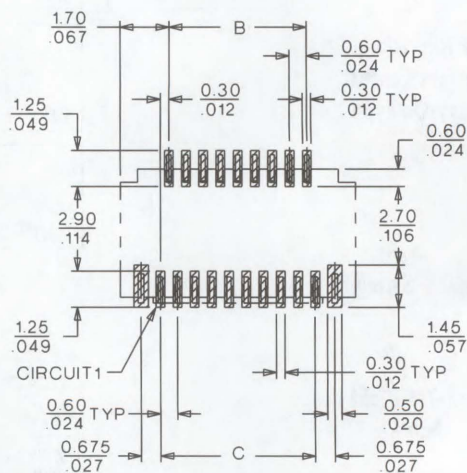
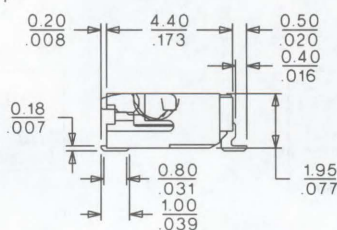
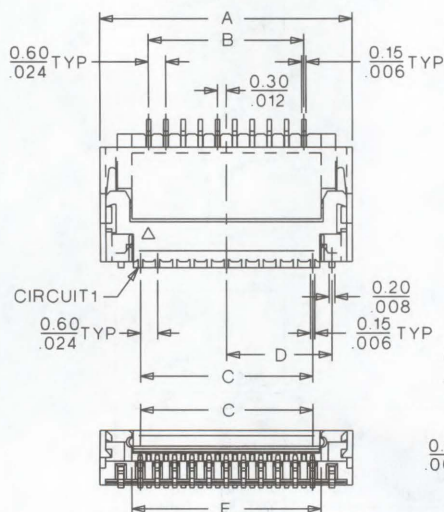
0.30mm (.012") Pitch Easy-On™ Type FFC/FPC Connector

54393

Right Angle, SMT, ZIF Bottom Contact Style



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension					Carrier Tape Width
		A	B	C	D	E	
21	54393-2192	8.80 (.346)	5.40 (.213)	6.00 (.236)	3.675 (.145)	6.60 (.260)	24.00 (.945)
27	54393-2792	10.60 (.417)	7.20 (.283)	7.80 (.307)	4.575 (.180)	8.40 (.331)	
33	54393-3392	12.40 (.488)	9.00 (.354)	9.60 (.378)	5.475 (.216)	10.20 (.402)	
39	54393-3992	14.20 (.559)	10.80 (.425)	11.40 (.449)	6.375 (.251)	12.00 (.472)	
51	54393-5192	17.80 (.701)	14.40 (.567)	15.00 (.591)	8.175 (.322)	15.60 (.614)	32.00 (1.260)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 10 to 30 circuits
- For 0.30mm thick FFC/FPC
- Pre-hold feature provides cable retention and prevents actuator from opening
- Actuator rotates to allow for easy cable insertion from top or side
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V
Insulation Resistance: 50 MΩ min.

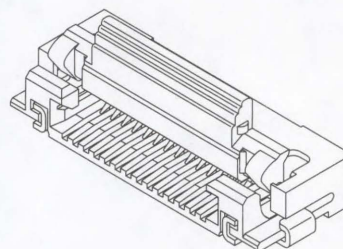
Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C

molex® 0.50mm (.020") Pitch Easy-On™ Type FFC/FPC Connector

52892

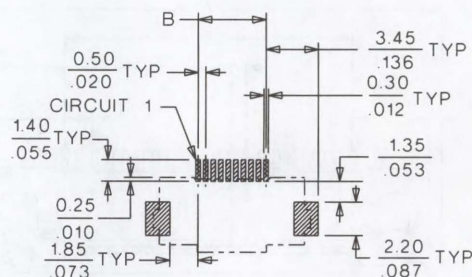
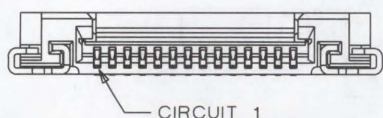
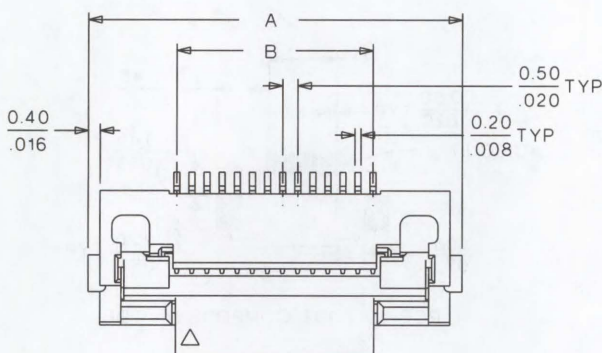
Right Angle, SMT, ZIF Bottom Contact Style Cable Retention Guide



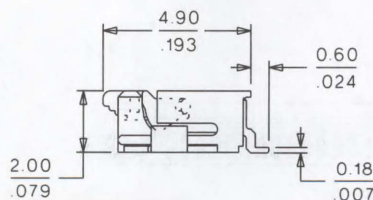
FFC/FPC Connectors

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CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
10	52892-1090	10.40 (.409)	4.50 (.170)	24.00 (.945)
11	52892-1190	10.90 (.429)	5.00 (.197)	24.00 (.945)
12	52892-1290	11.40 (.449)	5.50 (.217)	24.00 (.945)
13	52892-1390	11.90 (.469)	6.00 (.230)	24.00 (.945)
14	52892-1490	12.40 (.488)	6.50 (.256)	24.00 (.945)
15	52892-1590	12.90 (.508)	7.00 (.270)	24.00 (.945)
16	52892-1690	13.40 (.528)	7.50 (.290)	24.00 (.945)
18	52892-1890	14.40 (.567)	8.50 (.330)	24.00 (.945)
19	52892-1990	14.90 (.587)	9.00 (.350)	24.00 (.945)
20	52892-2090	15.40 (.606)	9.50 (.370)	24.00 (.945)
22	52892-2290	16.40 (.646)	10.50 (.413)	32.00 (1.260)
24	52892-2490	17.40 (.685)	11.50 (.453)	32.00 (1.260)
26	52892-2690	18.40 (.724)	12.50 (.492)	32.00 (1.260)
28	52892-2890	19.40 (.764)	13.50 (.531)	32.00 (1.260)
30	52892-3090	20.40 (.803)	14.50 (.570)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 10 to 30 circuits
- For 0.30mm thick FFC/FPC
- Actuator rotates to allow for easy cable insertion from top or side
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V
Insulation Resistance: 50 MΩ min.

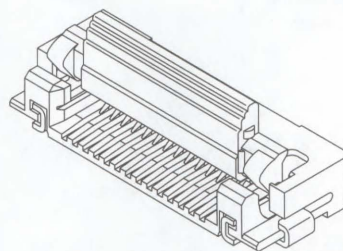
Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C

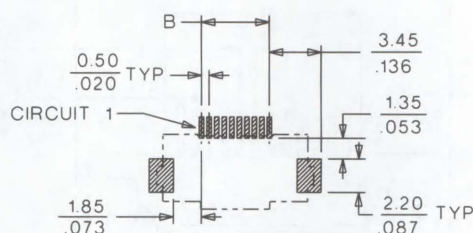
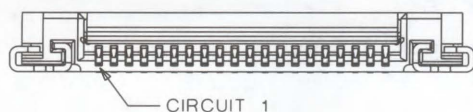
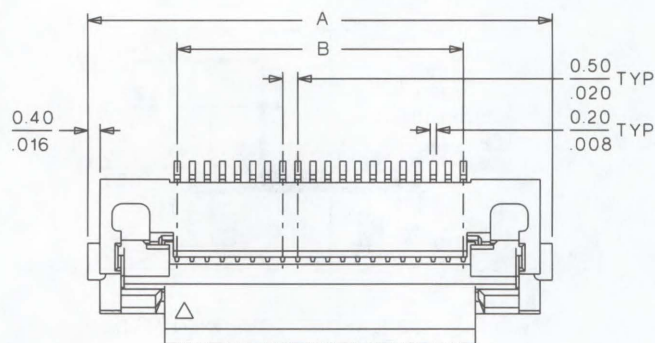
molex® 0.50mm (.020") Pitch Easy-On™ Type FFC/FPC Connector

52893

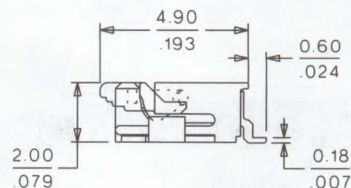
Right Angle, SMT, ZIF
Bottom Contact Style



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
10	52893-1090	10.40 (.409)	4.50 (.170)	24.00 (.945)
11	52893-1190	10.90 (.429)	5.00 (.197)	24.00 (.945)
12	52893-1290	11.40 (.449)	5.50 (.217)	24.00 (.945)
13	52893-1390	11.90 (.469)	6.00 (.230)	24.00 (.945)
14	52893-1490	12.40 (.488)	6.50 (.256)	24.00 (.945)
15	52893-1590	12.90 (.508)	7.00 (.270)	24.00 (.945)
16	52893-1690	13.40 (.528)	7.50 (.290)	24.00 (.945)
18	52893-1890	14.40 (.567)	8.50 (.330)	24.00 (.945)
19	52893-1990	14.90 (.587)	9.00 (.350)	24.00 (.945)
20	52893-2090	15.40 (.606)	9.50 (.370)	24.00 (.945)
22	52893-2290	16.40 (.646)	10.50 (.413)	32.00 (1.260)
24	52893-2490	17.40 (.685)	11.50 (.453)	32.00 (1.260)
26	52893-2690	18.40 (.724)	12.50 (.492)	32.00 (1.260)
28	52893-2890	19.40 (.764)	13.50 (.531)	32.00 (1.260)
30	52893-3090	20.40 (.803)	14.50 (.570)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 10 to 30 circuits
- For 0.14mm (.006") thick FFC/FPC
- Actuator rotates to allow for easy cable insertion from top or side
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Product Specification: PS-35863-001

Packaging: Embossed tape

Designed In: Millimeters

Electrical

Voltage: 50V

Current: 0.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 250V

Insulation Resistance: 100 MΩ min.

Physical

Housing: 4/6 nylon, UL 94V-0

Contact: Phosphor Bronze

Plating: Tin/Lead

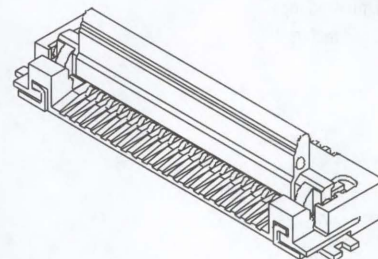
Operating Temperature: -20 to +80°C



0.50mm (.020") Pitch Easy-On™ Type FFC/FPC Connector

35863

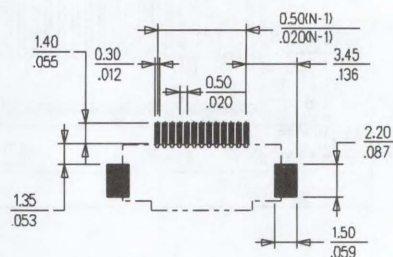
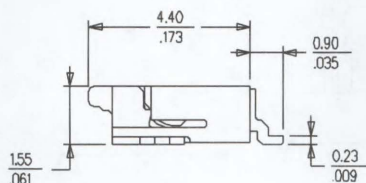
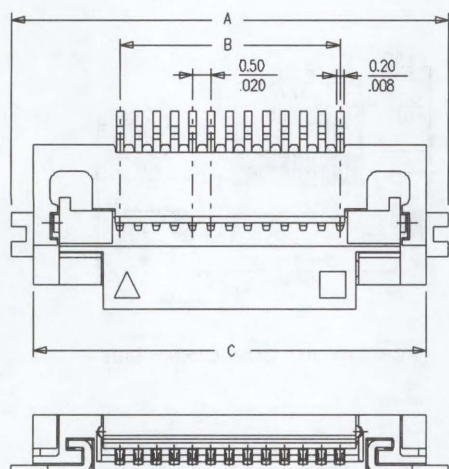
Right Angle, SMT, ZIF Bottom Contact



FFC/FPC Connectors

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CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT SOLDER SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		
		A	B	C
10	35863-1010	10.42 (.410)	4.50 (.177)	9.20 (.362)
11	35863-1110	10.92 (.430)	5.00 (.197)	9.70 (.382)
12	35863-1210	11.42 (.450)	5.50 (.217)	10.20 (.402)
13	35863-1310	11.92 (.469)	6.00 (.236)	10.70 (.421)
14	35863-1410	12.42 (.489)	6.50 (.256)	11.20 (.441)
15	35863-1510	12.92 (.509)	7.00 (.276)	11.70 (.461)
16	35863-1610	13.42 (.528)	7.50 (.295)	12.20 (.480)
17	35863-1710	13.92 (.548)	8.00 (.315)	12.70 (.500)
18	35863-1810	14.42 (.568)	8.50 (.335)	13.20 (.520)
19	35863-1910	14.92 (.587)	9.00 (.354)	13.70 (.539)
20	35863-2010	15.42 (.607)	9.50 (.374)	14.20 (.559)

Circuits	Order No.	Dimension		
		A	B	C
21	35863-2110	15.92 (.627)	10.00 (.394)	14.70 (.579)
22	35863-2210	16.42 (.646)	10.50 (.413)	15.20 (.598)
23	35863-2310	16.92 (.666)	11.00 (.433)	15.70 (.618)
24	35863-2410	17.42 (.686)	11.50 (.453)	16.20 (.638)
25	35863-2510	17.92 (.706)	12.00 (.472)	16.70 (.657)
26	35863-2610	18.42 (.725)	12.50 (.492)	17.20 (.677)
27	35863-2710	18.92 (.745)	13.00 (.512)	17.70 (.697)
28	35863-2810	19.42 (.765)	13.50 (.531)	18.20 (.717)
29	35863-2910	19.92 (.784)	14.00 (.551)	18.70 (.736)
30	35863-3010	20.42 (.804)	14.50 (.571)	19.20 (.756)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 20 circuits
- For 0.14mm (.006") thick FFC/FPC
- Offset style: 1.00mm (.039") height below PCB
- Actuator rotates to allow for easy cable insertion from top or side
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Product Specification: PS-35854-001
 Packaging: Embossed tape
 Designed In: Millimeters

Electrical

Voltage: 50V
 Current: 0.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 250V
 Insulation Resistance: 100 MΩ min.

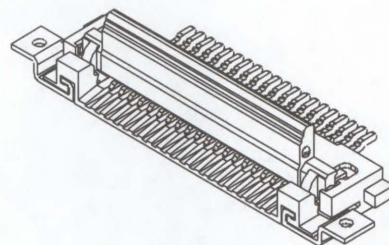
Physical

Housing: Glass-filled LCP, UL 94V-0
 Actuator: PPS, UL 94V-0
 Contact: Phosphor Bronze
 Solder Tabs: Phosphor Bronze
 Plating: Tin/Lead
 Operating Temperature: -20 to +85°C

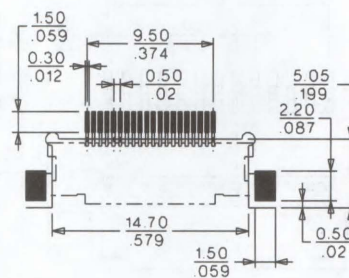
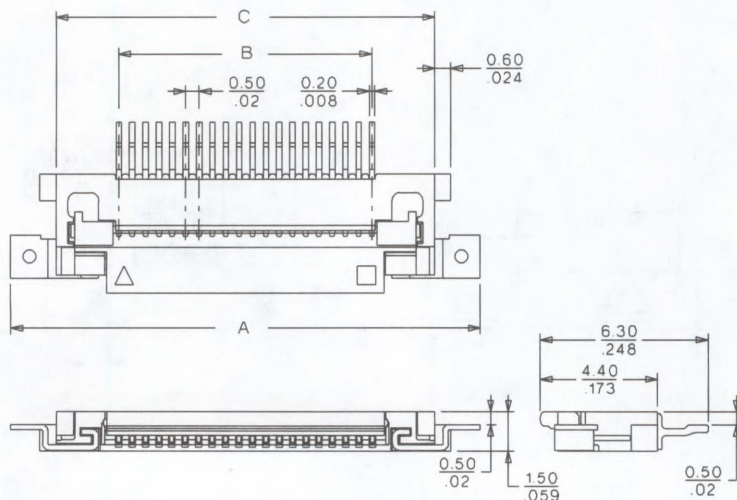
molex® 0.50mm (.020") Pitch
 Easy-On™ Type
 FFC/FPC Connector

35854

Right Angle, SMT, ZIF
Bottom Contact
Offset Type, Bottom Mount



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		
		A	B	C
20	35854-2090	17.60 (.693)	9.50 (.374)	14.20 (.559)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 20 circuits
- For 0.30mm (.012") thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

Physical

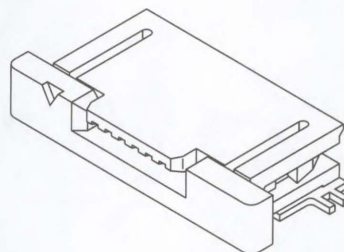
Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C



0.50mm (.020") Pitch FFC/FPC Connector

52745

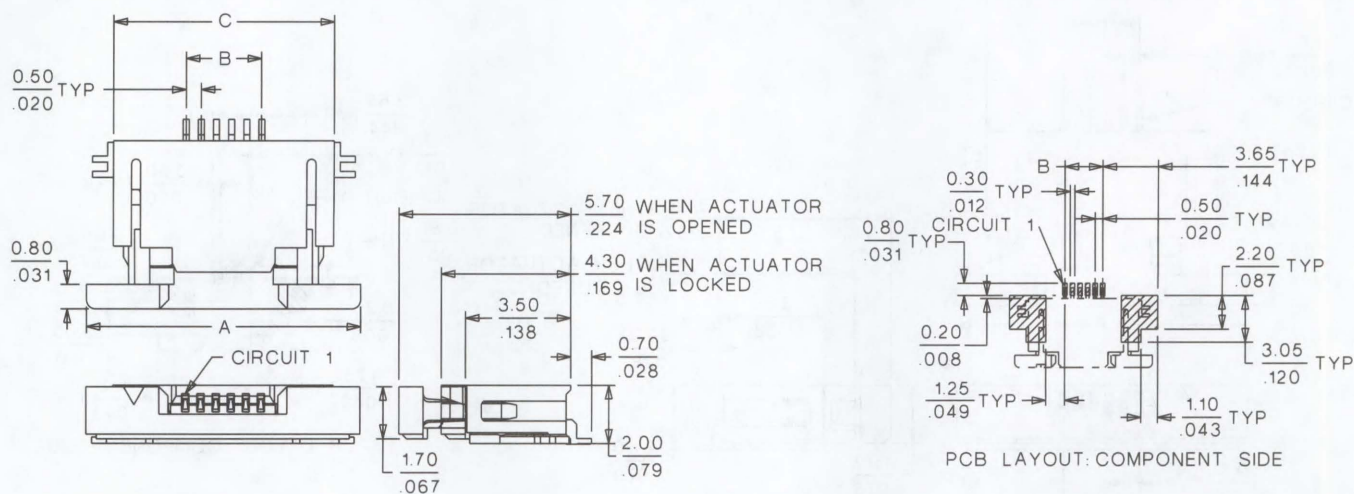
Right Angle, SMT, ZIF Top Contact Style



FFC/FPC Connectors

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CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
4	52745-0490	8.10 (.319)	1.50 (.059)	6.30 (.248)	16.00 (.630)
6	52745-0690	9.10 (.358)	2.50 (.098)	7.30 (.287)	24.00 (.945)
7	52745-0790	9.60 (.378)	3.00 (.118)	7.80 (.307)	24.00 (.945)
8	52745-0890	10.10 (.398)	3.50 (.138)	8.30 (.327)	24.00 (.945)
9	52745-0990	10.60 (.417)	4.00 (.157)	8.80 (.346)	24.00 (.945)
10	52745-1090	11.10 (.437)	4.50 (.177)	9.30 (.366)	24.00 (.945)
11	52745-1190	11.60 (.457)	5.00 (.197)	9.80 (.386)	24.00 (.945)
12	52745-1290	12.10 (.476)	5.50 (.217)	10.30 (.406)	24.00 (.945)
13	52745-1390	12.60 (.496)	6.00 (.236)	10.80 (.425)	24.00 (.945)
14	52745-1490	13.10 (.516)	6.50 (.256)	11.30 (.445)	24.00 (.945)
15	52745-1590	13.60 (.535)	7.00 (.276)	11.80 (.465)	24.00 (.945)
16	52745-1690	14.10 (.555)	7.50 (.295)	12.30 (.484)	24.00 (.945)
17	52745-1790	14.60 (.575)	8.00 (.315)	12.80 (.504)	24.00 (.945)
18	52745-1890	15.10 (.594)	8.50 (.335)	13.30 (.524)	24.00 (.945)
19	52745-1990	15.60 (.614)	9.00 (.354)	13.80 (.543)	24.00 (.945)
20	52745-2090	16.10 (.634)	9.50 (.374)	14.30 (.563)	24.00 (.945)

Note: For cable specification dimensions, see cable pages at the end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 21 to 30 circuits
- For 0.30mm (.012") thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

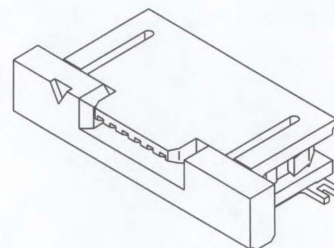
Packaging: Embossed tape
Designed In: Millimeters

Electrical

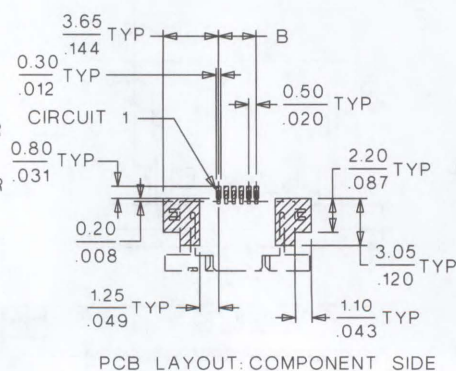
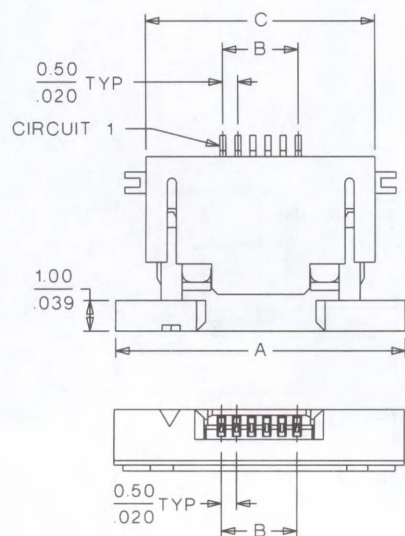
Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C

**molex® 0.50mm (.020") Pitch
FFC/FPC Connector**
52435
**Right Angle, SMT, ZIF
Top Contact Style**


CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
21	52435-2191	17.10 (.634)	10.00 (.394)	15.10 (.594)	24.00 (.945)
22	52435-2291	17.60 (.693)	10.50 (.413)	15.60 (.614)	24.00 (.945)
23	52435-2391	18.10 (.713)	11.00 (.433)	16.10 (.634)	32.00 (1.260)
24	52435-2491	18.60 (.732)	11.50 (.453)	16.60 (.653)	32.00 (1.260)
25	52435-2591	19.10 (.752)	12.00 (.472)	17.10 (.673)	32.00 (1.260)
26	52435-2691	19.60 (.772)	12.50 (.492)	17.60 (.693)	32.00 (1.260)
27	52435-2791	20.10 (.791)	13.00 (.512)	18.10 (.713)	32.00 (1.260)
28	52435-2891	20.60 (.811)	13.50 (.531)	18.60 (.732)	32.00 (1.260)
29	52435-2991	21.10 (.831)	14.00 (.551)	19.10 (.752)	32.00 (1.260)
30	52435-3091	21.60 (.850)	14.50 (.571)	19.60 (.772)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at the end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 20 circuits
- For 0.30mm (.012") thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

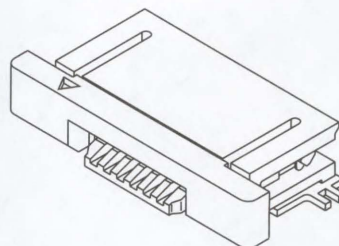
Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C

molex 0.50mm (.020") Pitch
FFC/FPC Connector

52746

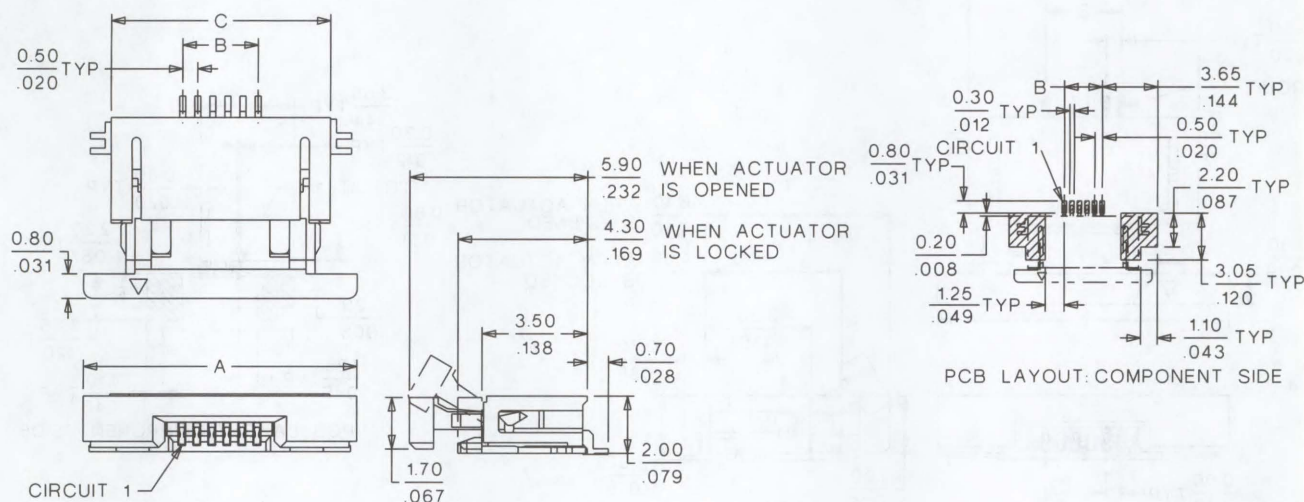
**Right Angle, SMT, ZIF
Bottom Contact Style**



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
4	52746-0490	8.10 (.319)	1.50 (.059)	6.30 (.248)	16.00 (.630)
6	52746-0690	9.10 (.358)	2.50 (.098)	7.30 (.287)	24.00 (.945)
7	52746-0790	9.60 (.378)	3.00 (.118)	7.80 (.307)	24.00 (.945)
8	52746-0890	10.10 (.398)	3.50 (.138)	8.30 (.327)	24.00 (.945)
9	52746-0990	10.60 (.417)	4.00 (.157)	8.80 (.346)	24.00 (.945)
10	52746-1090	11.10 (.437)	4.50 (.177)	9.30 (.366)	24.00 (.945)
11	52746-1190	11.60 (.457)	5.00 (.197)	9.80 (.386)	24.00 (.945)
12	52746-1290	12.10 (.476)	5.50 (.217)	10.30 (.406)	24.00 (.945)
13	52746-1390	12.60 (.496)	6.00 (.236)	10.80 (.425)	24.00 (.945)
14	52746-1490	13.10 (.516)	6.50 (.256)	11.30 (.445)	24.00 (.945)
15	52746-1590	13.60 (.535)	7.00 (.276)	11.80 (.465)	24.00 (.945)
16	52746-1690	14.10 (.555)	7.50 (.295)	12.30 (.484)	24.00 (.945)
17	52746-1790	14.60 (.575)	8.00 (.315)	12.80 (.504)	24.00 (.945)
18	52746-1890	15.10 (.594)	8.50 (.335)	13.30 (.524)	24.00 (.945)
19	52746-1990	15.60 (.614)	9.00 (.354)	13.80 (.543)	24.00 (.945)
20	52746-2090	16.10 (.634)	9.50 (.374)	14.30 (.563)	24.00 (.945)

Note: For cable specification dimensions, see cable pages at the end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 21 to 30 circuits
- For 0.30mm (.012") thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape

Designed In: Millimeters

Electrical

Voltage: 50V

Current: 0.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 250V AC/1 min.

Insulation Resistance: 50 MΩ min.

Physical

Housing: 4/6 nylon, UL 94V-0

Actuator: PPS, UL 94V-0

Contact: Phosphor Bronze

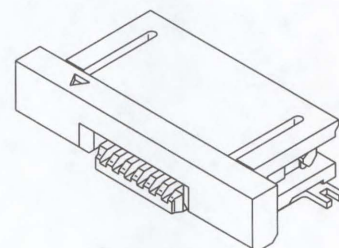
Plating: Tin

Solder Tabs: Phosphor Bronze, Tin plating

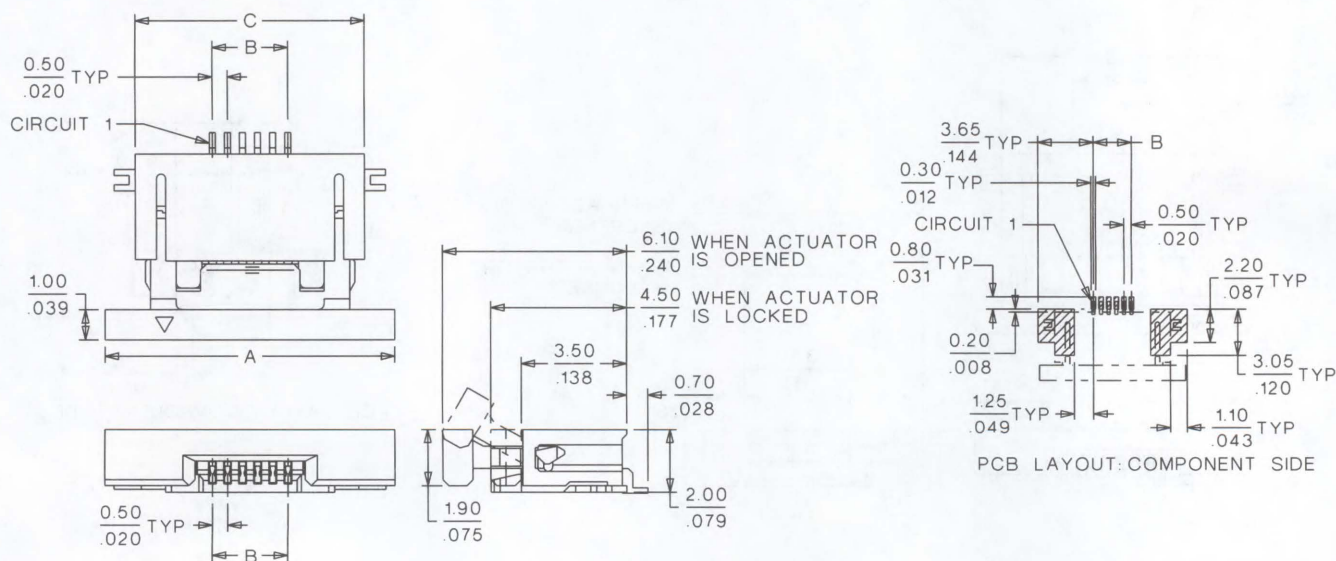
Operating Temperature: -20 to +85°C

0.50mm (.020") Pitch
FFC/FPC Connector

52437

Right Angle, SMT, ZIF
Bottom Contact Style

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
21	52437-2191	17.10 (.634)	10.00 (.394)	15.10 (.594)	24.00 (.945)
22	52437-2291	17.60 (.693)	10.50 (.413)	15.60 (.614)	24.00 (.945)
23	52437-2391	18.10 (.713)	11.00 (.433)	16.10 (.634)	32.00 (1.260)
24	52437-2491	18.60 (.732)	11.50 (.453)	16.60 (.653)	32.00 (1.260)
25	52437-2591	19.10 (.752)	12.00 (.472)	17.10 (.673)	32.00 (1.260)
26	52437-2691	19.60 (.772)	12.50 (.492)	17.60 (.693)	32.00 (1.260)
27	52437-2791	20.10 (.791)	13.00 (.512)	18.10 (.713)	32.00 (1.260)
28	52437-2891	20.60 (.811)	13.50 (.531)	18.60 (.732)	32.00 (1.260)
29	52437-2991	21.10 (.831)	14.00 (.551)	19.10 (.752)	32.00 (1.260)
30	52437-3091	21.60 (.850)	14.50 (.571)	19.60 (.772)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at the end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 30 to 50 circuits
- For 0.30mm (.012") thick FFC/FPC
- Pre-hold cable feature helps facilitate correct FPC insertion
- Durable actuator design
- Metal solder tabs provide pcb hold -down and strain-relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

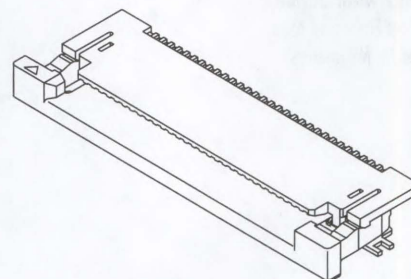
Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPA, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C

molex 0.50mm (.020") Pitch
FFC/FPC Connector

54104

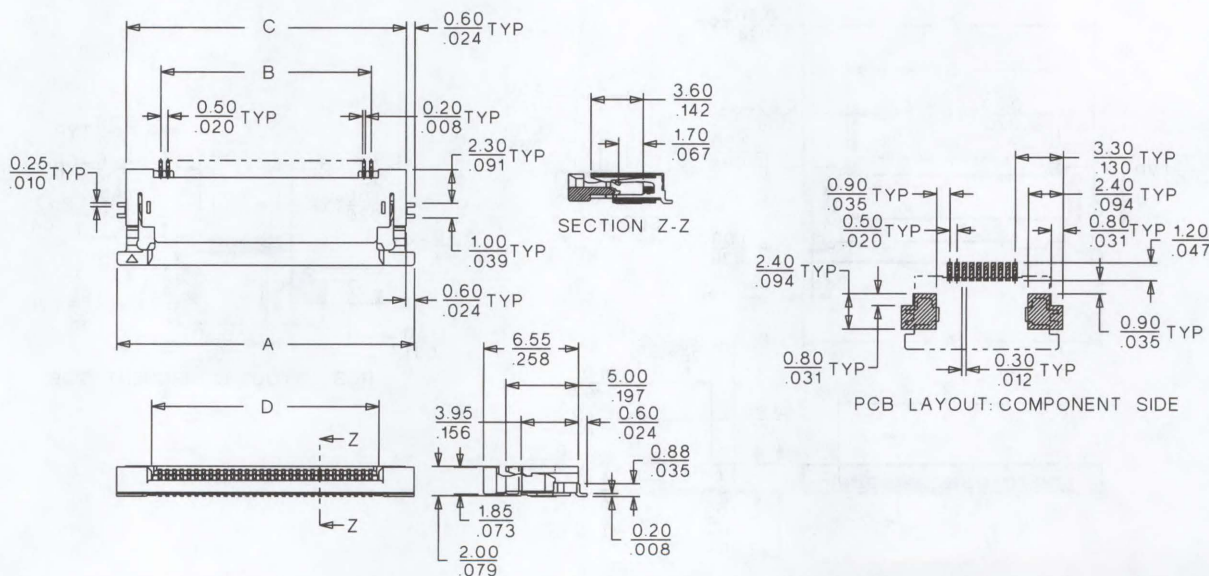
**Right Angle, SMT, ZIF
Top Contact Style**



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension				Carrier Tape Width
		A	B	C	D	
30	54104-3090	20.50 (.807)	14.50 (.571)	19.30 (.760)	15.65 (.616)	44.00 (1.732)
32	54104-3290	21.50 (.846)	15.50 (.610)	20.30 (.799)	16.65 (.656)	
33	54104-3390	22.00 (.866)	16.00 (.630)	20.80 (.819)	17.15 (.675)	
35	54104-3590	23.00 (.906)	17.00 (.669)	21.80 (.858)	18.15 (.715)	
36	54104-3690	23.50 (.925)	17.50 (.689)	22.30 (.878)	18.65 (.734)	
38	54104-3890	24.50 (.965)	18.50 (.728)	23.30 (.917)	19.65 (.774)	
40	54104-4090	25.50 (1.004)	19.50 (.768)	24.30 (.957)	20.65 (.813)	
45	54104-4590	28.00 (1.102)	22.00 (.866)	26.80 (1.055)	23.15 (.911)	
50	54104-5090	30.50 (1.201)	24.50 (.965)	29.30 (1.154)	25.65 (1.010)	

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 30 to 50 circuits
- For 0.30mm (.012") thick FFC/FPC
- Pre-hold cable retention feature helps facilitate correct FPC insertion
- Durable actuator design
- Metal solder tabs provide pcb hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20m Ω max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 M Ω min.

Physical

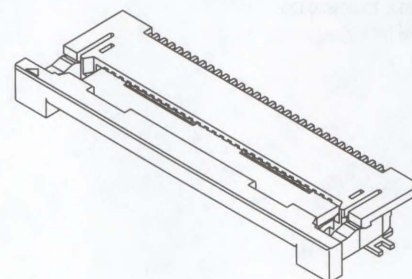
Housing: 4/6 nylon, UL 94V-0
 Actuator: PPA, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Tin
 Solder Tabs: Phosphor Bronze, Tin plating
 Operating Temperature: -20 to +85°C



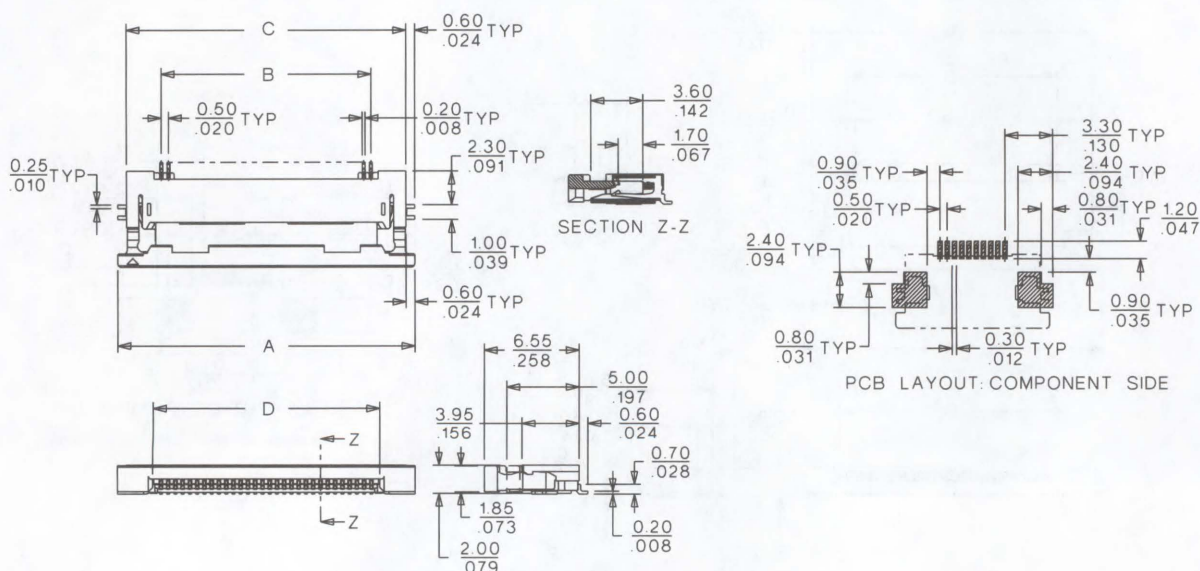
0.50mm (.020") Pitch FFC/FPC Connector

54132

Right Angle, SMT, ZIF Bottom Contact Style



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension				Carrier Tape Width
		A	B	C	D	
30	54132-3090	20.50 (.807)	14.50 (.571)	19.30 (.760)	15.65 (.616)	44.00 (1.732)
32	54132-3290	21.50 (.846)	15.50 (.610)	20.30 (.799)	16.65 (.656)	
33	54132-3390	22.00 (.866)	16.00 (.630)	20.80 (.819)	17.15 (.675)	
35	54132-3590	23.00 (.906)	17.00 (.669)	21.80 (.858)	18.15 (.715)	
36	54132-3690	23.50 (.925)	17.50 (.689)	22.30 (.878)	18.65 (.734)	
38	54132-3890	24.50 (.965)	18.50 (.728)	23.30 (.917)	19.65 (.774)	
40	54132-4090	25.50 (1.004)	19.50 (.768)	24.30 (.957)	20.65 (.813)	
45	54132-4590	28.00 (1.102)	22.00 (.866)	26.80 (1.055)	23.15 (.911)	
50	54132-5090	30.50 (1.201)	24.50 (.965)	29.30 (1.154)	25.65 (1.010)	

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 40 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- For XX90 packaging, component is centered relative to the sprocket hole; for XX92, actuator is centered relative to the sprocket hole

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

Physical

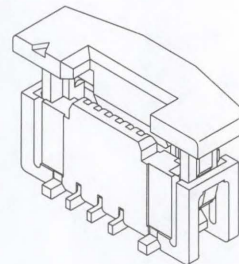
Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C



0.50mm (.020") Pitch FFC/FPC Connector

52559

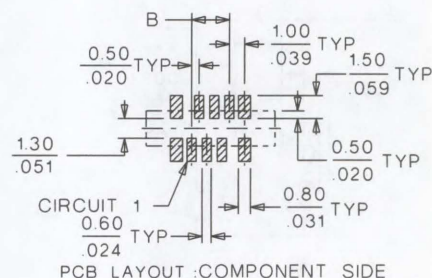
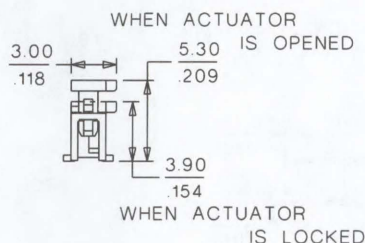
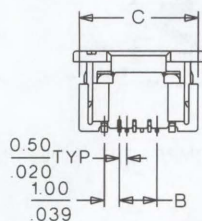
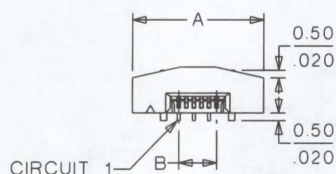
Vertical, SMT, ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
6	52559-0692	8.70 (.343)	2.50 (.098)	7.90 (.311)	24.00 (.945)
8	52559-0890	9.70 (.382)	3.50 (.138)	8.90 (.350)	24.00 (.945)
9	52559-0992	10.20 (.402)	4.00 (.157)	9.40 (.370)	24.00 (.945)
10	52559-1092	10.70 (.421)	4.50 (.177)	9.90 (.390)	24.00 (.945)
12	52559-1292	11.70 (.461)	5.50 (.217)	10.40 (.429)	24.00 (.945)
13	52559-1390	12.20 (.480)	6.00 (.236)	11.40 (.449)	24.00 (.945)
14	52559-1492	12.70 (.500)	6.50 (.256)	11.90 (.469)	24.00 (.945)
15	52559-1592	13.20 (.520)	7.00 (.276)	12.40 (.488)	24.00 (.945)
16	52559-1692	13.70 (.539)	7.50 (.295)	12.90 (.508)	24.00 (.945)
17	52559-1792	14.20 (.559)	8.00 (.315)	13.40 (.528)	24.00 (.945)
18	52559-1890	14.70 (.579)	8.50 (.335)	13.90 (.547)	24.00 (.945)
20	52559-2092	15.70 (.618)	9.50 (.374)	14.90 (.587)	24.00 (.945)

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
21	52559-2192	16.20 (.638)	10.00 (.394)	15.40 (.606)	24.00 (.945)
22	52559-2290	16.70 (.657)	10.50 (.413)	15.90 (.625)	24.00 (.945)
24	52559-2492	17.70 (.697)	11.50 (.453)	16.90 (.665)	32.00 (1.260)
25	52559-2590	18.20 (.717)	12.00 (.472)	17.40 (.685)	32.00 (1.260)
26	52559-2692	18.70 (.736)	12.50 (.492)	17.90 (.705)	32.00 (1.260)
28	52559-2892	19.70 (.776)	13.50 (.531)	18.90 (.744)	32.00 (1.260)
30	52559-3092	20.70 (.815)	14.50 (.571)	19.90 (.783)	32.00 (1.260)
32	52559-3292	21.70 (.854)	15.50 (.610)	20.90 (.823)	32.00 (1.260)
33	52559-3390	22.00 (.866)	16.00 (.630)	21.40 (.843)	32.00 (1.260)
36	52559-3692	23.70 (.933)	17.50 (.689)	22.90 (.902)	44.00 (1.732)
40	52559-4092	25.70 (1.012)	19.50 (.768)	24.90 (.980)	44.00 (1.732)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 24 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.4A
Contact Resistance: 40mΩ max.
Dielectric Withstanding Voltage: 250V
Insulation Resistance: 50 MΩ min.

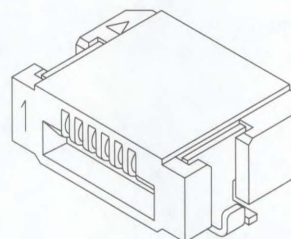
Physical

Housing: PPHS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead bright
Solder Tabs: Phosphor Bronze, Tin/Lead half-bright plating
Operating Temperature: -20 to +85°C

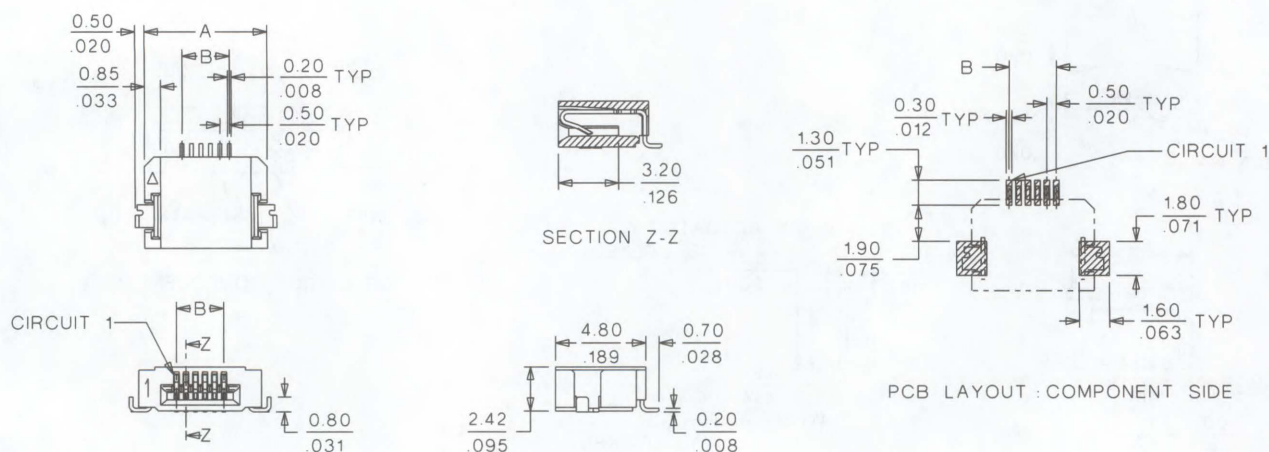
molex® 0.50mm (.020") Pitch
FFC/FPC Connector

52975

**Right Angle, SMT, Non-ZIF
Top Contact Style**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
6	52975-0692	6.50 (.255)	2.50 (.098)	24.00 (.945)
7	52975-0792	7.00 (.275)	3.00 (.118)	24.00 (.945)
9	52975-0992	8.00 (.314)	4.00 (.157)	24.00 (.945)
12	52975-1292	9.50 (.374)	5.50 (.216)	24.00 (.945)
17	52975-1792	12.00 (.472)	8.00 (.314)	24.00 (.945)
18	52975-1892	12.50 (.492)	8.50 (.334)	24.00 (.945)
19	52975-1992	13.00 (.511)	9.00 (.354)	24.00 (.945)
21	52975-2192	14.00 (.551)	10.00 (.393)	24.00 (.945)
24	52975-2492	15.50 (.610)	11.50 (.452)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 30 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tab provides PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.4A
Contact Resistance: 40mΩ max.
Dielectric Withstanding Voltage: 250V
Insulation Resistance: 50 MΩ min.

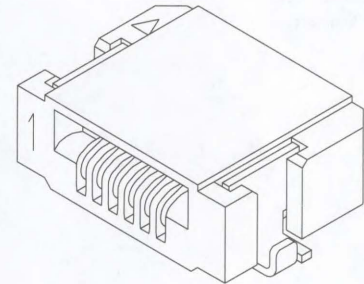
Physical

Housing: PPHS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead Bright
Solder Tabs: Phosphor Bronze, Tin/Lead half-bright plating
Operating Temperature: -20 to +85°C

molex® 0.50mm (.020") Pitch
FFC/FPC Connector

52976

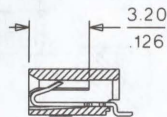
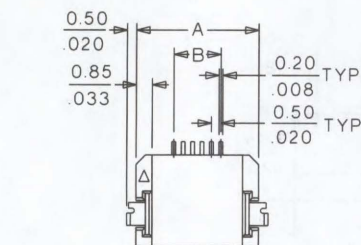
**Right Angle, SMT, Non-ZIF
Bottom Contact Style**



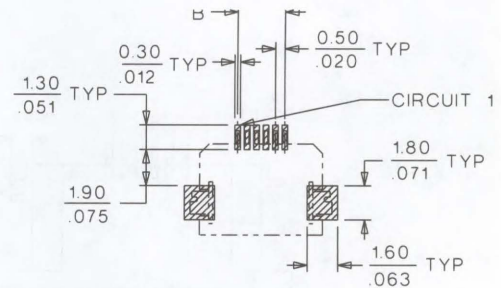
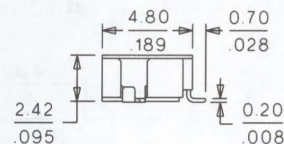
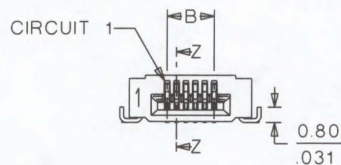
FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



SECTION Z-Z



PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
6	52976-0692	6.50 (.250)	2.50 (.090)	24.00 (.945)
8	52976-0892	7.50 (.295)	3.50 (.138)	24.00 (.945)
9	52976-0992	8.00 (.310)	4.00 (.150)	24.00 (.945)
10	52976-1092	8.50 (.330)	4.50 (.170)	24.00 (.945)
12	52976-1292	9.50 (.370)	5.50 (.210)	24.00 (.945)
14	52976-1492	10.50 (.410)	6.50 (.250)	24.00 (.945)
15	52976-1592	11.00 (.430)	7.00 (.270)	24.00 (.945)
16	52976-1692	11.50 (.450)	7.50 (.290)	24.00 (.945)
17	52976-1792	12.00 (.470)	8.00 (.310)	24.00 (.945)
18	52976-1892	12.50 (.490)	8.50 (.330)	24.00 (.945)
19	52976-1992	13.00 (.510)	9.00 (.350)	24.00 (.945)
21	52976-2192	14.00 (.551)	10.00 (.394)	24.00 (.945)
24	52976-2492	15.50 (.610)	11.50 (.450)	24.00 (.945)
30	52976-3092	18.50 (.720)	14.50 (.570)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 5 to 30 circuits
- For 0.30mm thick FFC/FPC
- Cable can be inserted from top or bottom
- Low profile
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

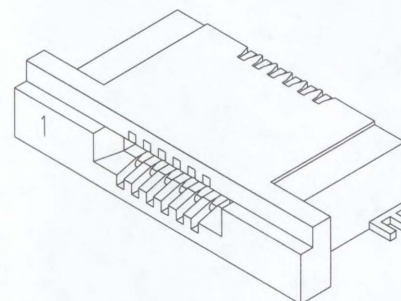
Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 50 MΩ min.

Physical

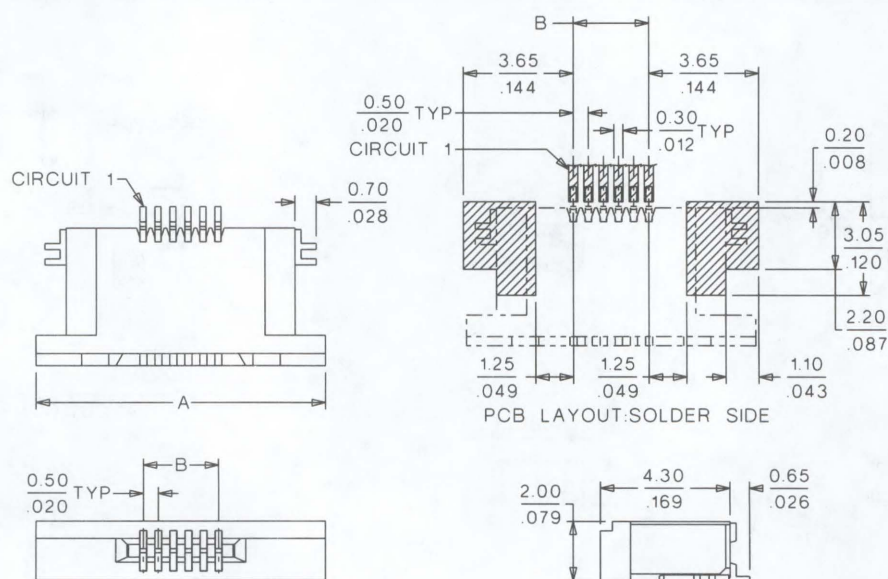
Housing: 4/6 nylon, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +85°C

0.50mm (.020") Pitch
FFC/FPC Connector

52689

Right Angle, SMT, Non-ZIF
Dual Contact Style

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
5	52689-0593	8.60 (.339)	2.00 (.079)	24.00 (.945)
6	52689-0693	9.10 (.358)	2.50 (.098)	24.00 (.945)
7	52689-0793	9.60 (.378)	3.00 (.118)	24.00 (.945)
8	52689-0893	10.10 (.398)	3.50 (.138)	24.00 (.945)
9	52689-0993	10.60 (.417)	4.00 (.157)	24.00 (.945)
10	52689-1093	11.10 (.437)	4.50 (.177)	24.00 (.945)
11	52689-1193	11.60 (.457)	5.00 (.197)	24.00 (.945)
12	52689-1293	12.10 (.476)	5.50 (.217)	24.00 (.945)
13	52689-1393	12.60 (.496)	6.00 (.236)	24.00 (.945)
14	52689-1493	13.10 (.516)	6.50 (.256)	24.00 (.945)
15	52689-1593	13.60 (.535)	7.00 (.276)	24.00 (.945)
16	52689-1693	14.10 (.555)	7.50 (.295)	24.00 (.945)
17	52689-1793	14.60 (.575)	8.00 (.315)	24.00 (.945)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
18	52689-1893	15.10 (.594)	8.50 (.335)	24.00 (.945)
19	52689-1993	15.60 (.614)	9.00 (.354)	24.00 (.945)
20	52689-2093	16.10 (.634)	9.50 (.374)	24.00 (.945)
21	52689-2193	16.60 (.654)	10.00 (.394)	24.00 (.945)
22	52689-2293	17.10 (.673)	10.50 (.413)	24.00 (.945)
23	52689-2393	17.60 (.693)	11.00 (.433)	32.00 (1.260)
24	52689-2493	18.10 (.713)	11.50 (.453)	32.00 (1.260)
25	52689-2593	18.60 (.732)	12.00 (.472)	32.00 (1.260)
26	52689-2693	19.10 (.752)	12.50 (.492)	32.00 (1.260)
27	52689-2793	19.60 (.772)	13.00 (.512)	32.00 (1.260)
28	52689-2893	20.10 (.791)	13.50 (.531)	32.00 (1.260)
29	52689-2993	20.60 (.811)	14.00 (.551)	32.00 (1.260)
30	52689-3093	21.10 (.831)	14.50 (.571)	32.00 (1.260)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 30 circuits
- For 0.20mm thick FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.2A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC /1 min.
Insulation Resistance: 50 MΩ min.

Physical

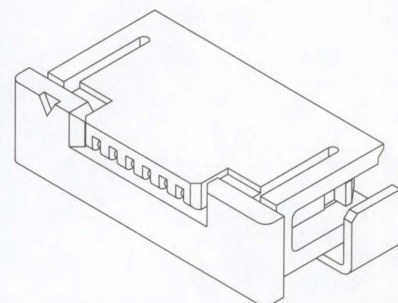
Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Copper Alloy, Tin plating
Operating Temperature: -20 to +85°C



**0.625mm (.0246") Pitch
FPC Connector**

52204

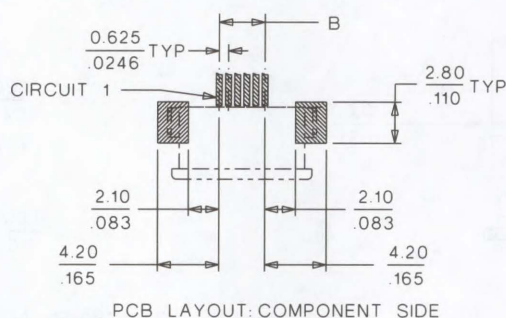
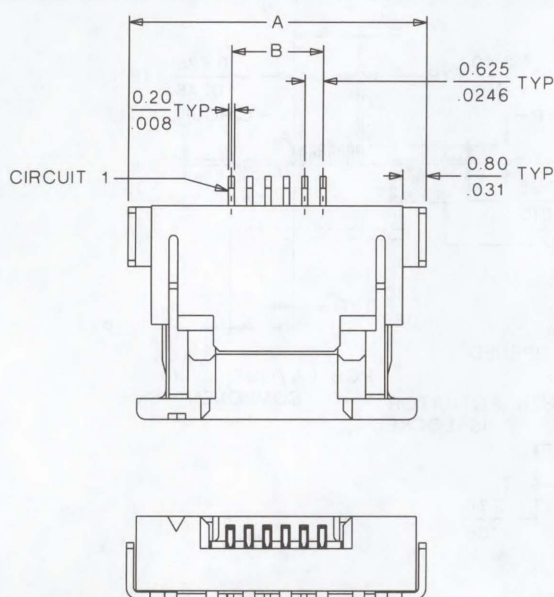
**Right Angle, SMT, ZIF
Top Contact Style**



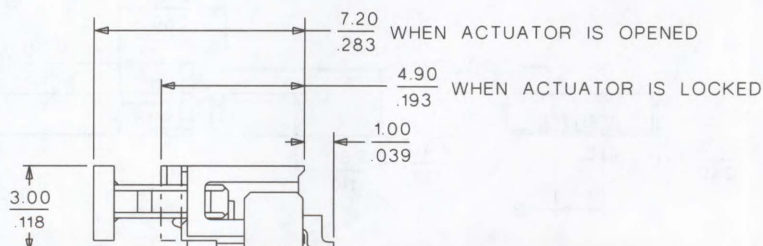
FPC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
6	52204-0690	10.175 (.400)	3.125 (.123)	24.000 (.945)
7	52204-0790	10.800 (.425)	3.750 (.147)	24.000 (.945)
8	52204-0890	11.425 (.449)	4.375 (.172)	24.000 (.945)
9	52204-0990	12.050 (.474)	5.000 (.196)	24.000 (.945)
10	52204-1090	12.675 (.499)	5.625 (.221)	24.000 (.945)
11	52204-1190	13.300 (.523)	6.250 (.246)	24.000 (.945)
12	52204-1290	13.925 (.548)	6.875 (.270)	24.000 (.945)
13	52204-1390	14.550 (.572)	7.500 (.295)	24.000 (.945)
14	52204-1490	15.175 (.597)	8.125 (.319)	24.000 (.945)
15	52204-1590	15.800 (.622)	8.750 (.344)	24.000 (.945)
16	52204-1690	16.425 (.646)	9.375 (.369)	24.000 (.945)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
17	52204-1790	17.050 (.671)	10.000 (.393)	32.000 (1.260)
18	52204-1890	17.675 (.695)	10.625 (.418)	32.000 (1.260)
20	52204-2090	18.925 (.745)	11.875 (.467)	32.000 (1.260)
22	52204-2290	20.175 (.794)	13.125 (.516)	32.000 (1.260)
23	52204-2390	20.800 (.818)	13.750 (.541)	32.000 (1.260)
24	52204-2490	21.425 (.843)	14.375 (.565)	32.000 (1.260)
25	52204-2590	22.050 (.868)	15.000 (.590)	32.000 (1.260)
26	52204-2690	22.675 (.892)	15.625 (.615)	32.000 (1.260)
29	52204-2990	24.550 (.966)	17.500 (.688)	44.000 (1.732)
30	52204-3090	25.175 (.991)	18.125 (.713)	44.000 (1.732)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 30 circuits
- For 0.20mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.2A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 250V AC/1 min.
Insulation Resistance: 50 MΩ min.

Physical

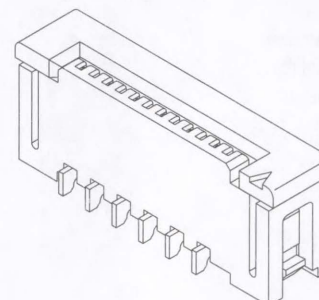
Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +85°C



**0.625mm (.0246") Pitch
FPC Connector**

52205

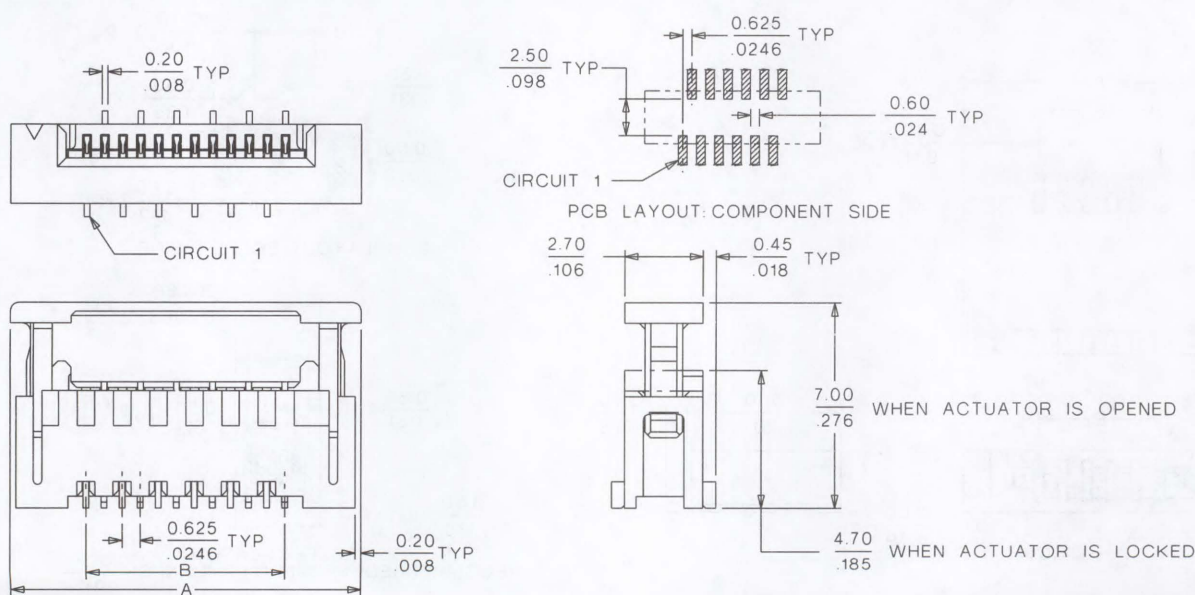
Vertical, SMT, ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
6	52205-0690	7.975 (.313)	3.125 (.123)	24.000 (.945)
8	52205-0890	9.225 (.363)	4.375 (.172)	24.000 (.945)
9	52205-0990	9.850 (.387)	5.000 (.196)	24.000 (.945)
10	52205-1090	10.475 (.412)	5.625 (.221)	24.000 (.945)
12	52205-1290	11.725 (.461)	6.875 (.270)	24.000 (.945)
14	52205-1490	12.975 (.510)	8.125 (.319)	24.000 (.945)
15	52205-1590	13.600 (.535)	8.750 (.344)	24.000 (.945)
18	52205-1890	15.475 (.609)	10.625 (.418)	32.000 (1.260)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
20	52205-2090	16.725 (.658)	11.875 (.467)	32.000 (1.260)
23	52205-2390	18.600 (.732)	13.750 (.541)	32.000 (1.260)
24	52205-2490	19.225 (.756)	14.375 (.565)	32.000 (1.260)
25	52205-2590	19.850 (.781)	15.000 (.590)	44.000 (1.732)
26	52205-2690	20.475 (.806)	15.625 (.615)	44.000 (1.732)
28	52205-2890	21.725 (.855)	16.875 (.664)	44.000 (1.732)
29	52205-2990	22.350 (.879)	17.500 (.688)	44.000 (1.732)
30	52205-3090	22.975 (.904)	18.125 (.713)	44.000 (1.732)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 20 circuits
- For 0.30mm thick FFC/FPC
- Cable can be inserted from top or bottom
- Low profile
- Metal solder tabs under housing save space and provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 100 MΩ min.

Physical

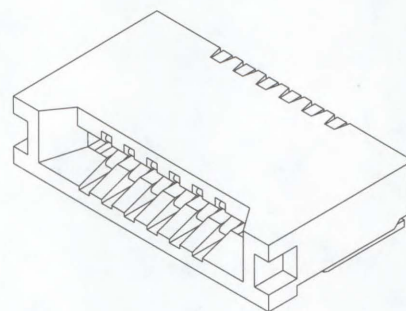
Housing: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Phosphor Bronze, Tin plating
Operating Temperature: -20 to +80°C



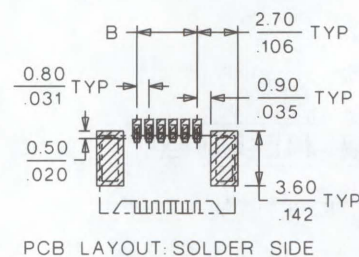
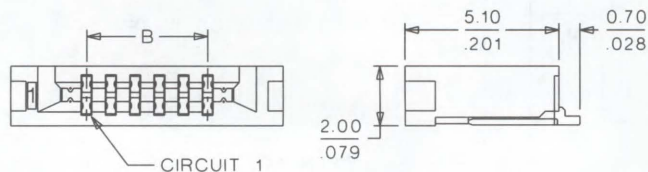
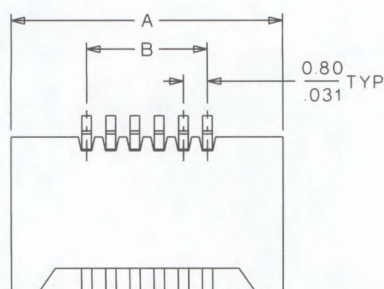
**0.80mm (.031") Pitch
FFC/FPC Connector**

52557

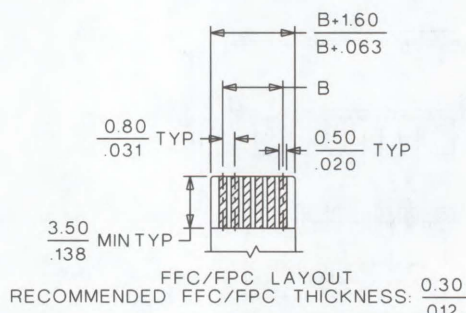
**Right Angle, SMT, Non-ZIF
Dual Contact Style**



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: SOLDER SIDE



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
4	52557-0490	7.40 (.291)	2.40 (.094)	24.00 (.945)
6	52557-0690	9.00 (.354)	4.00 (.157)	24.00 (.945)
8	52557-0890	10.60 (.417)	5.60 (.220)	24.00 (.945)
11	52557-1190	13.00 (.512)	8.00 (.315)	24.00 (.945)
12	52557-1290	13.80 (.543)	8.80 (.346)	24.00 (.945)
13	52557-1390	14.60 (.575)	9.60 (.378)	24.00 (.945)
14	52557-1490	15.40 (.606)	10.40 (.409)	32.00 (1.260)
15	52557-1590	16.20 (.638)	11.20 (.441)	32.00 (1.260)
16	52557-1690	17.00 (.669)	12.00 (.472)	32.00 (1.260)
18	52557-1890	18.60 (.732)	13.60 (.535)	32.00 (1.260)
20	52557-2090	20.20 (.795)	15.20 (.598)	44.00 (1.732)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 30 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
UL File No.: E29179
CSA File No.: LR19980
Designed In: Millimeters

Electrical

Voltage: 125V
Current: 1.0A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 100 MΩ min.

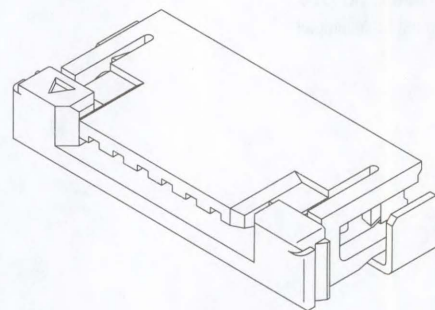
Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Solder Tabs: Copper Alloy, Tin plating
Operating Temperature: -20 to +85°C

molex® 1.00mm (.039") Pitch FFC/FPC Connector

52207

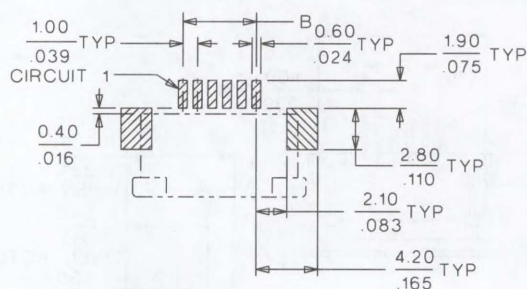
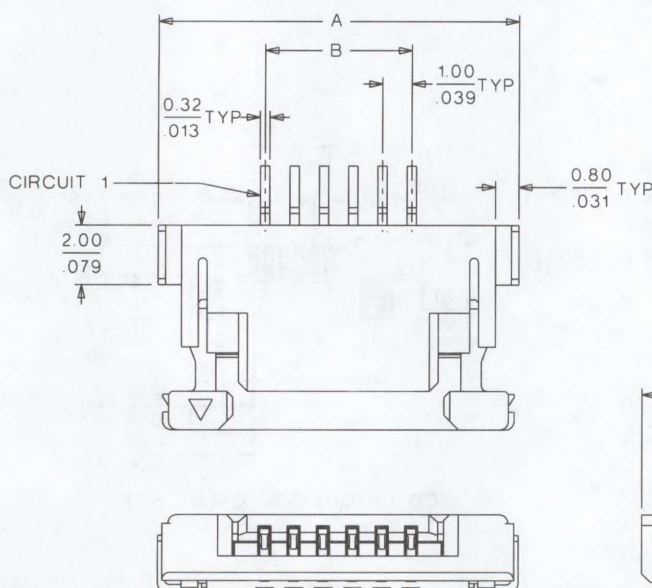
**Right Angle, SMT, ZIF
Top Contact Style**



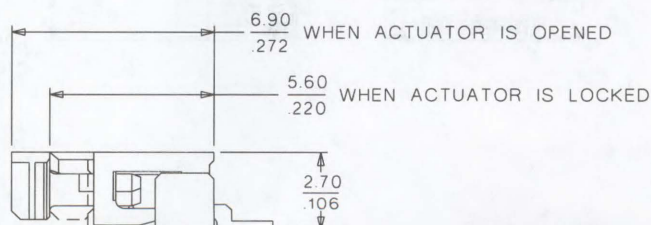
FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
3	52207-0390	9.30 (.366)	2.00 (.079)	16.00 (.629)
4	52207-0490	10.30 (.405)	3.00 (.118)	24.00 (.945)
5	52207-0590	11.30 (.444)	4.00 (.157)	24.00 (.945)
6	52207-0690	12.30 (.484)	5.00 (.196)	24.00 (.945)
7	52207-0790	13.30 (.523)	6.00 (.236)	24.00 (.945)
8	52207-0890	14.30 (.562)	7.00 (.275)	24.00 (.945)
9	52207-0990	15.30 (.602)	8.00 (.314)	24.00 (.945)
10	52207-1090	16.30 (.641)	9.00 (.354)	24.00 (.945)
11	52207-1190	17.30 (.681)	10.00 (.393)	24.00 (.945)
12	52207-1290	18.30 (.720)	11.00 (.433)	32.00 (1.260)
13	52207-1390	19.30 (.759)	12.00 (.472)	32.00 (1.260)
14	52207-1490	20.30 (.799)	13.00 (.511)	32.00 (1.260)
15	52207-1590	21.30 (.838)	14.00 (.551)	32.00 (1.260)
16	52207-1690	22.30 (.877)	15.00 (.590)	32.00 (1.260)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
17	52207-1790	23.30 (.917)	16.00 (.629)	44.00 (1.732)
18	52207-1890	24.30 (.956)	17.00 (.669)	44.00 (1.732)
19	52207-1990	25.30 (.996)	18.00 (.708)	44.00 (1.732)
20	52207-2090	26.30 (1.035)	19.00 (.748)	44.00 (1.732)
21	52207-2190	27.30 (1.074)	20.00 (.787)	44.00 (1.732)
22	52207-2290	28.30 (1.114)	21.00 (.826)	44.00 (1.732)
23	52207-2390	29.30 (1.153)	22.00 (.866)	44.00 (1.732)
24	52207-2490	30.30 (1.192)	23.00 (.905)	44.00 (1.732)
25	52207-2590	31.30 (1.232)	24.00 (.944)	44.00 (1.732)
26	52207-2690	32.30 (1.271)	25.00 (.984)	44.00 (1.732)
27	52207-2790	33.30 (1.311)	26.00 (1.023)	44.00 (1.732)
28	52207-2890	34.30 (1.350)	27.00 (1.062)	56.00 (2.205)
30	52207-3090	36.30 (1.430)	29.00 (1.142)	56.00 (2.205)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 30 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
UL File No.: E29179
CSA File No.: LR19980
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 100 MΩ min.

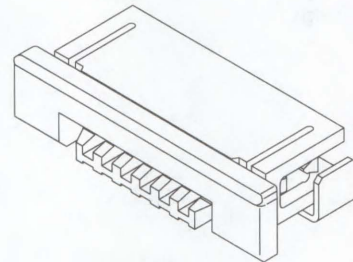
Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead
Solder Tabs: Copper Alloy, Tin/Lead plating
Operating Temperature: -20 to +85°C

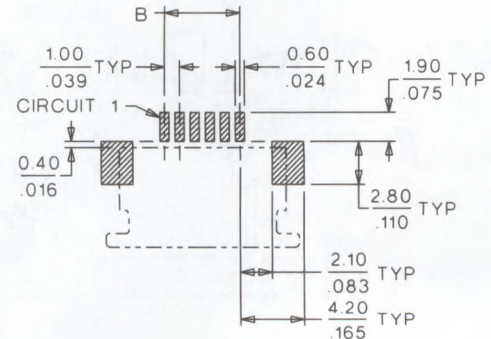
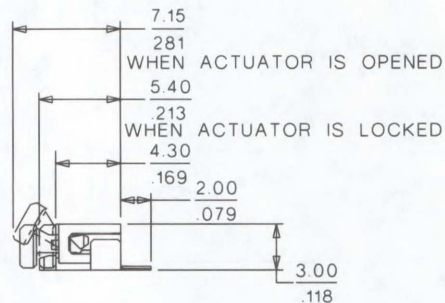
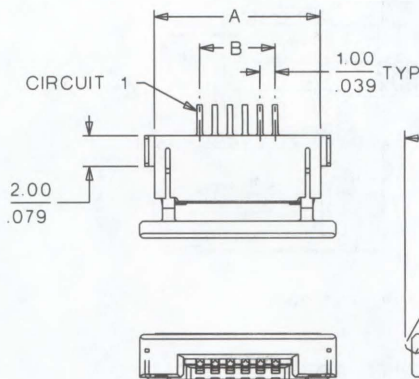
molex® 1.00mm (.039") Pitch
FFC/FPC Connector

52271

**Right Angle, SMT, ZIF
Bottom Contact Style**



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
6	52271-0690	11.00 (.433)	5.00 (.197)	24.00 (.945)
7	52271-0790	12.00 (.472)	6.00 (.236)	24.00 (.945)
8	52271-0890	13.00 (.511)	7.00 (.275)	24.00 (.945)
9	52271-0990	14.00 (.551)	8.00 (.314)	24.00 (.945)
10	52271-1090	15.00 (.590)	9.00 (.354)	24.00 (.945)
11	52271-1190	16.00 (.629)	10.00 (.393)	24.00 (.945)
12	52271-1290	17.00 (.669)	11.00 (.433)	32.00 (1.260)
13	52271-1390	18.00 (.708)	12.00 (.472)	32.00 (1.260)
14	52271-1490	19.00 (.748)	13.00 (.511)	32.00 (1.260)
15	52271-1590	20.00 (.787)	14.00 (.551)	32.00 (1.260)
16	52271-1690	21.00 (.826)	15.00 (.590)	32.00 (1.260)
17	52271-1790	22.00 (.866)	16.00 (.629)	44.00 (1.732)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
18	52271-1890	23.00 (.905)	17.00 (.669)	44.00 (1.732)
19	52271-1990	24.00 (.944)	18.00 (.708)	44.00 (1.732)
20	52271-2090	25.00 (.984)	19.00 (.748)	44.00 (1.732)
22	52271-2290	27.00 (1.062)	21.00 (.827)	44.00 (1.732)
23	52271-2390	28.00 (1.102)	22.00 (.866)	44.00 (1.732)
24	52271-2490	29.00 (1.141)	23.00 (.906)	44.00 (1.732)
25	52271-2590	30.00 (1.181)	24.00 (.945)	44.00 (1.732)
26	52271-2690	31.00 (1.220)	25.00 (.984)	44.00 (1.732)
27	52271-2790	32.00 (1.259)	26.00 (1.020)	44.00 (1.732)
28	52271-2890	33.00 (1.299)	27.00 (1.060)	56.00 (2.205)
30	52271-3090	35.00 (1.377)	29.00 (1.140)	56.00 (2.205)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 30 circuits
- For 0.30mm thick FFC/FPC

Reference Information

UL File No.: E29179

Packaging: Embossed tape

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.0A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 500V AC/1 min.

Insulation Resistance: 100 MΩ min.

Physical

Housing: 4/6 nylon, UL 94V-0

Actuator: PPS, UL 94V-0

Contact: Phosphor Bronze

Plating: Tin

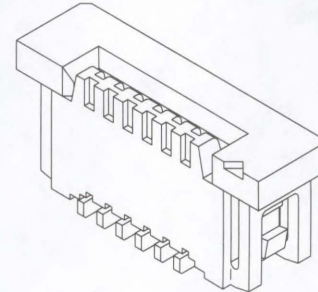
Operating Temperature: -20 to +85°C



**1.00mm (.039") Pitch
FFC/FPC Connector**

52610

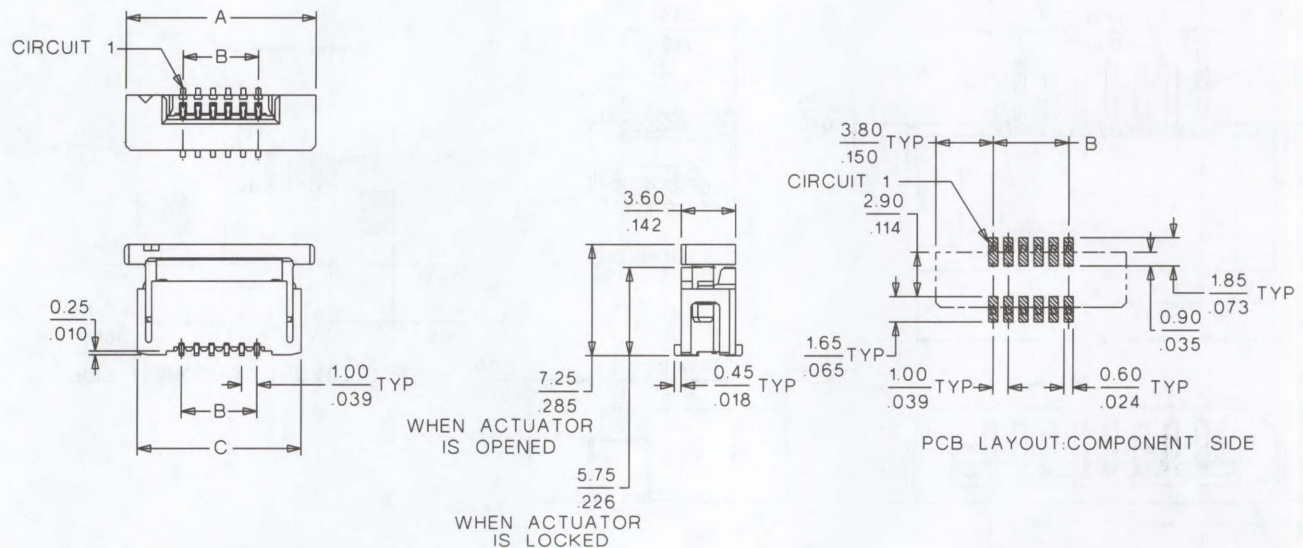
Vertical, SMT, ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension			Carrier Tape Width
		A	B	C	
6	52610-0690	12.60 (.496)	5.00 (.197)	10.85 (.427)	24.00 (.945)
8	52610-0890	14.60 (.575)	7.00 (.276)	12.85 (.506)	24.00 (.945)
10	52610-1090	16.60 (.654)	9.00 (.354)	14.85 (.585)	24.00 (.945)
12	52610-1290	18.60 (.732)	11.00 (.433)	16.85 (.663)	32.00 (1.260)
13	52610-1390	19.60 (.772)	12.00 (.472)	17.85 (.703)	32.00 (1.260)
14	52610-1490	20.60 (.811)	13.00 (.512)	18.85 (.742)	32.00 (1.260)
15	52610-1590	21.60 (.850)	14.00 (.551)	19.85 (.781)	32.00 (1.260)
16	52610-1690	22.60 (.890)	15.00 (.591)	20.85 (.821)	44.00 (1.732)
17	52610-1790	23.60 (.929)	16.00 (.630)	21.85 (.860)	44.00 (1.732)
18	52610-1890	24.60 (.969)	17.00 (.669)	22.85 (.900)	44.00 (1.732)
20	52610-2090	26.60 (1.047)	19.00 (.748)	24.85 (.978)	44.00 (1.732)
22	52610-2290	28.60 (1.126)	21.00 (.827)	26.85 (1.057)	44.00 (1.732)
24	52610-2490	30.60 (1.205)	23.00 (.906)	28.85 (1.136)	44.00 (1.732)
25	52610-2590	31.60 (1.244)	24.00 (.945)	29.85 (1.175)	44.00 (1.732)
26	52610-2690	32.60 (1.283)	25.00 (.984)	30.85 (1.215)	44.00 (1.732)
28	52610-2890	34.60 (1.362)	27.00 (1.063)	32.85 (1.293)	56.00 (2.205)
30	52610-3090	36.60 (1.441)	29.00 (1.142)	34.85 (1.372)	56.00 (2.205)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 30 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 MΩ min.

Physical

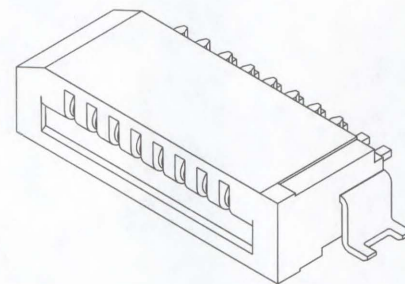
Housing: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead
Solder Tabs: Phosphor Bronze, Tin/Lead plating
Operating Temperature: -20 to +80°C



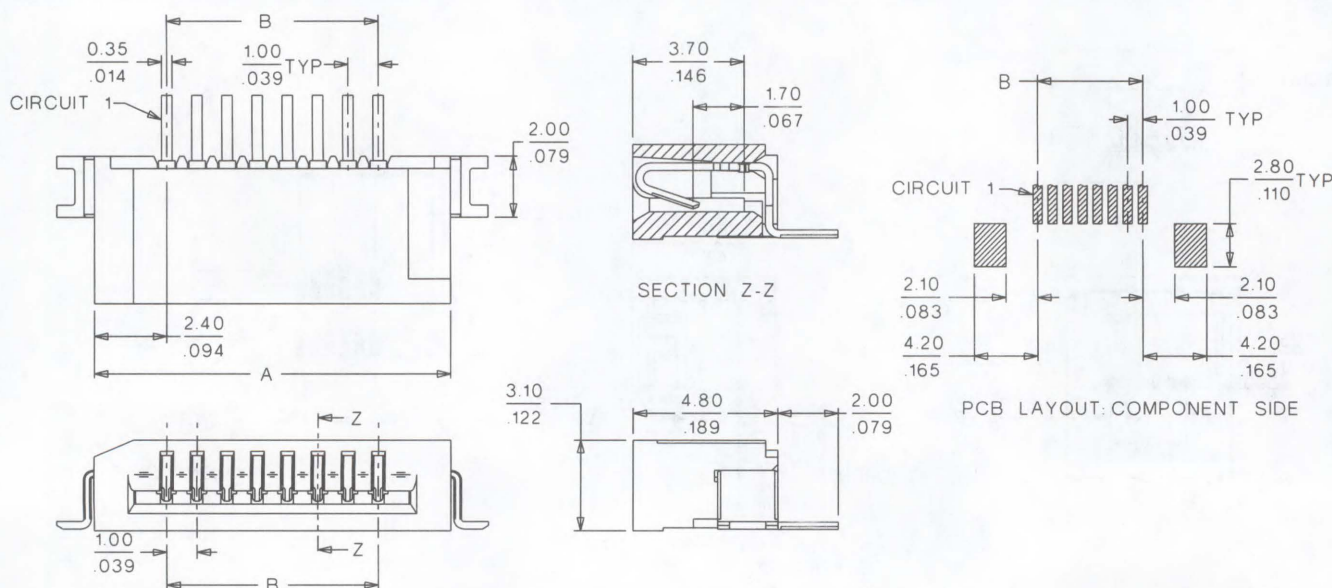
1.00mm (.039") Pitch
FFC/FPC Connector

52793

Right Angle, SMT
Non-ZIF
Top Contact Style



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
4	52793-0490	7.80 (.307)	3.00 (.118)	24.00 (.945)
5	52793-0590	8.80 (.346)	4.00 (.157)	24.00 (.945)
7	52793-0790	10.80 (.425)	6.00 (.236)	24.00 (.945)
8	52793-0890	11.80 (.464)	7.00 (.275)	24.00 (.945)
9	52793-0990	12.80 (.503)	8.00 (.314)	24.00 (.945)
10	52793-1090	13.80 (.543)	9.00 (.354)	24.00 (.945)
12	52793-1290	15.80 (.622)	11.00 (.433)	32.00 (1.260)
13	52793-1390	16.80 (.661)	12.00 (.472)	32.00 (1.260)
14	52793-1490	17.80 (.700)	13.00 (.511)	32.00 (1.260)
15	52793-1590	18.80 (.740)	14.00 (.551)	32.00 (1.260)
16	52793-1690	19.80 (.779)	15.00 (.590)	32.00 (1.260)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
18	52793-1890	21.80 (.858)	17.00 (.669)	44.00 (1.732)
19	52793-1990	22.80 (.897)	18.00 (.708)	44.00 (1.732)
20	52793-2090	23.80 (.937)	19.00 (.748)	44.00 (1.732)
22	52793-2290	25.80 (1.015)	21.00 (.826)	44.00 (1.732)
23	52793-2390	26.80 (1.055)	22.00 (.866)	44.00 (1.732)
24	52793-2490	27.80 (1.094)	23.00 (.905)	44.00 (1.732)
25	52793-2590	28.80 (1.133)	24.00 (.944)	44.00 (1.732)
26	52793-2690	29.80 (1.173)	25.00 (.984)	44.00 (1.732)
27	52793-2790	30.80 (1.212)	26.00 (1.023)	44.00 (1.732)
28	52793-2890	31.80 (1.251)	27.00 (1.062)	56.00 (2.205)
30	52793-3090	33.80 (1.330)	29.00 (1.141)	56.00 (2.205)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 7 to 30 circuits
- For 0.30mm thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 MΩ min.

Physical

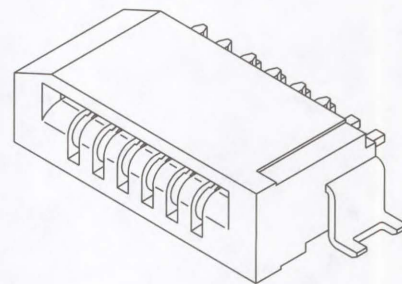
Housing: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead
Solder Tabs: Phosphor Bronze, Tin/Lead plating
Operating Temperature: -20 to +80°C



**1.00mm (.039") Pitch
FFC/FPC Connector**

52852

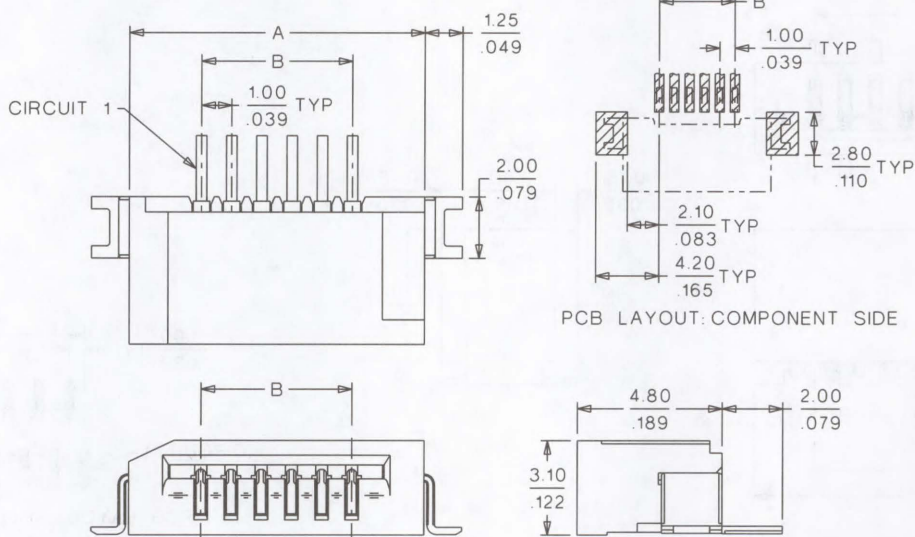
**Right Angle, SMT
Non-ZIF
Bottom Contact Style**



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
7	52852-0790	10.80 (.425)	6.00 (.236)	24.00 (.945)
13	52852-1390	16.80 (.661)	12.00 (.472)	32.00 (1.260)
16	52852-1690	19.80 (.779)	15.00 (.590)	32.00 (1.260)
18	52852-1890	21.80 (.858)	17.00 (.669)	44.00 (1.732)
19	52852-1990	22.80 (.897)	18.00 (.708)	44.00 (1.732)
20	52852-2090	23.80 (.937)	19.00 (.748)	44.00 (1.732)
22	52852-2290	25.80 (1.015)	21.00 (.826)	44.00 (1.732)
26	52852-2690	29.80 (1.173)	25.00 (.984)	44.00 (1.732)
30	52852-3090	33.80 (1.330)	29.00 (1.141)	56.00 (2.204)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 30 circuits
- Available with vacuum pick-up tape (contact Molex for details)

Reference Information

Packaging: Embossed tape
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 MΩ min.

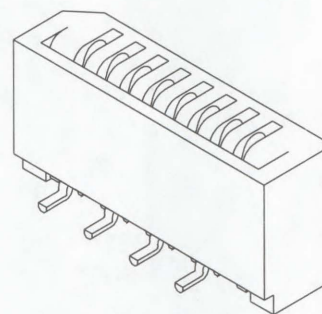
Physical

Housing: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin/Lead
Operating Temperature: -20 to +80°C

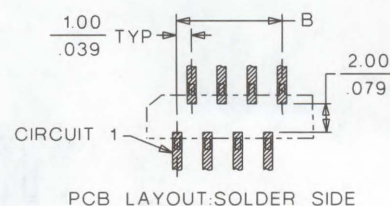
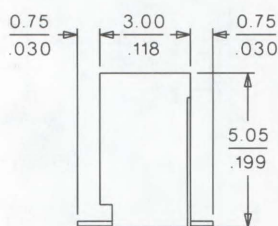
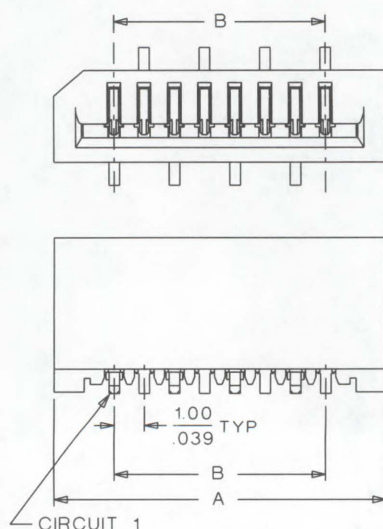
molex® 1.00mm (.039") Pitch
FFC/FPC Connector

52808

**Vertical, SMT
Non-ZIF**



CATALOG DRAWING (FOR REFERENCE ONLY)



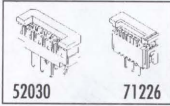
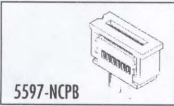
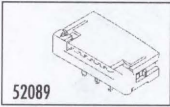
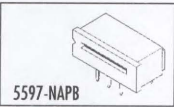
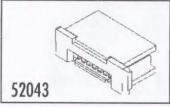
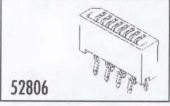
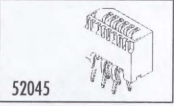
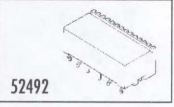
PCB LAYOUT: SOLDER SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
4	52808-0490	7.00 (.275)	3.00 (.118)	16.00 (.630)
5	52808-0590	8.00 (.315)	4.00 (.157)	16.00 (.630)
6	52808-0690	9.00 (.354)	5.00 (.197)	24.00 (.945)
7	52808-0790	10.00 (.394)	6.00 (.236)	24.00 (.945)
8	52808-0890	11.00 (.433)	7.00 (.275)	24.00 (.945)
9	52808-0990	12.00 (.472)	8.00 (.315)	24.00 (.945)
10	52808-1090	13.00 (.511)	9.00 (.354)	24.00 (.945)
11	52808-1190	14.00 (.551)	10.00 (.393)	32.00 (1.260)
12	52808-1290	15.00 (.590)	11.00 (.433)	32.00 (1.260)
13	52808-1390	16.00 (.629)	12.00 (.472)	32.00 (1.260)
14	52808-1490	17.00 (.669)	13.00 (.511)	32.00 (1.260)
15	52808-1590	18.00 (.708)	14.00 (.551)	32.00 (1.260)
16	52808-1690	19.00 (.748)	15.00 (.590)	44.00 (1.732)
17	52808-1790	20.00 (.787)	16.00 (.630)	44.00 (1.732)

Circuits	Order No.	Dimension		Carrier Tape Width
		A	B	
18	52808-1890	21.00 (.826)	17.00 (.669)	44.00 (1.732)
19	52808-1990	22.00 (.866)	18.00 (.709)	44.00 (1.732)
20	52808-2090	23.00 (.906)	19.00 (.748)	44.00 (1.732)
21	52808-2190	24.00 (.945)	20.00 (.787)	44.00 (1.732)
22	52808-2290	25.00 (.984)	21.00 (.826)	44.00 (1.732)
23	52808-2390	26.00 (1.024)	22.00 (.866)	44.00 (1.732)
24	52808-2490	27.00 (1.063)	23.00 (.906)	44.00 (1.732)
25	52808-2590	28.00 (1.102)	24.00 (.944)	44.00 (1.732)
26	52808-2690	29.00 (1.141)	25.00 (.984)	44.00 (1.732)
27	52808-2790	30.00 (1.181)	26.00 (1.024)	44.00 (1.732)
28	52808-2890	31.00 (1.220)	27.00 (1.063)	44.00 (1.732)
29	52808-2990	32.00 (1.260)	28.00 (1.102)	56.00 (2.205)
30	52808-3090	33.00 (1.299)	29.00 (1.141)	56.00 (2.205)

Note: For cable specification dimensions, see cable pages at end of section

	1.00mm	1.25mm
ZIF-Straight	 52030 71226	 5597-NCPB
ZIF Right Angle Top Contact	 52089	 5597-NAPB
ZIF Right Angle Bottom Contact	 52043	
Non-ZIF Straight	 52806	 52045
Non-ZIF Right Angle	 52807 Top Contact	 52044 Top Contact
Non-ZIF Bottom Entry		 52492

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 30 circuits
- For 0.30mm thick FFC/FPC
- Kinked outer solder tails for PCB retention

Reference Information

Packaging: Tray
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 100 MΩ min.

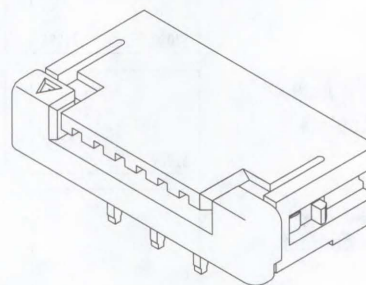
Physical

Housing: 6/6 nylon, UL 94V-0
Actuator: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +80°C

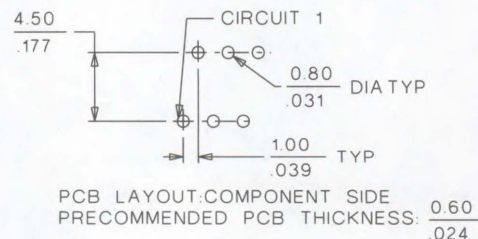
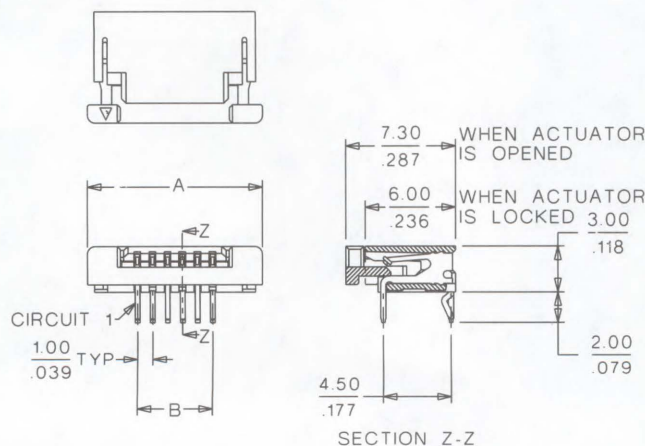
molex® 1.00mm (.039") Pitch
FFC/FPC Connector

52089

**Right Angle, Low Profile
ZIF, Top Contact Style**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
4	52089-0410	9.60 (.377)	3.00 (.118)
5	52089-0510	10.60 (.417)	4.00 (.157)
6	52089-0610	11.60 (.456)	5.00 (.196)
7	52089-0710	12.60 (.496)	6.00 (.236)
8	52089-0810	13.60 (.535)	7.00 (.275)
9	52089-0910	14.60 (.574)	8.00 (.314)
10	52089-1010	15.60 (.614)	9.00 (.354)
11	52089-1110	16.60 (.653)	10.00 (.393)
12	52089-1210	17.60 (.692)	11.00 (.433)
13	52089-1310	18.60 (.732)	12.00 (.472)
14	52089-1410	19.60 (.771)	13.00 (.511)
15	52089-1510	20.60 (.811)	14.00 (.551)
16	52089-1610	21.60 (.850)	15.00 (.590)
17	52089-1710	22.60 (.889)	16.00 (.629)

Circuits	Order No.	Dimension	
		A	B
18	52089-1810	23.60 (.929)	17.00 (.669)
19	52089-1910	24.60 (.968)	18.00 (.708)
20	52089-2010	25.60 (1.007)	19.00 (.748)
21	52089-2110	26.60 (1.047)	20.00 (.787)
22	52089-2210	27.60 (1.068)	21.00 (.826)
23	52089-2310	28.60 (1.125)	22.00 (.866)
24	52089-2410	29.60 (1.165)	23.00 (.905)
25	52089-2510	30.60 (1.204)	24.00 (.944)
26	52089-2610	31.60 (1.244)	25.00 (.984)
27	52089-2710	32.60 (1.283)	26.00 (1.023)
28	52089-2810	33.60 (1.322)	27.00 (1.062)
29	52089-2910	34.60 (1.362)	28.00 (1.102)
30	52089-3010	35.60 (1.401)	29.00 (1.141)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 20 circuits
- For 0.30mm thick FFC/FPC
- Kinked outer solder tails for PCB retention

Reference Information

Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 Min.
Insulation Resistance: 100 MΩ min.

Physical

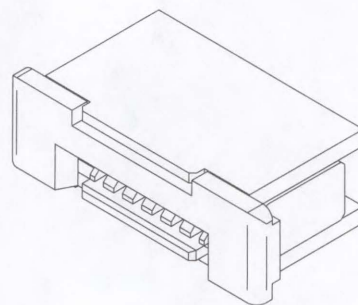
Housing: 6/6 nylon, UL 94V-0
Actuator: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +80°C



**1.00mm (.039") Pitch
FFC/FPC Connector**

52043

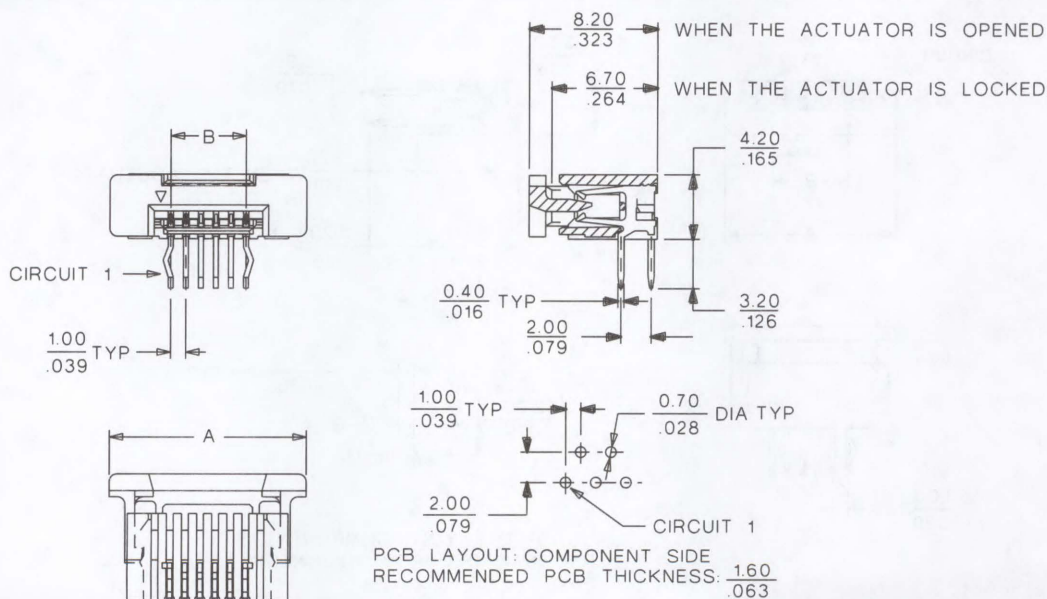
**Right Angle, ZIF
Bottom Contact Style**



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
4	52043-0410	11.05 (.435)	3.00 (.118)
6	52043-0610	13.05 (.514)	5.00 (.196)
8	52043-0810	15.05 (.593)	7.00 (.275)
10	52043-1010	17.05 (.671)	9.00 (.354)
12	52043-1210	19.05 (.750)	11.00 (.433)
14	52043-1410	21.05 (.829)	13.00 (.511)
16	52043-1610	23.05 (.907)	15.00 (.590)
18	52043-1810	25.05 (.986)	17.00 (.669)
20	52043-2010	27.05 (1.065)	19.00 (.748)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 8 to 30 circuits
- For 0.30mm thick FFC/FPC
- Kinked outer solder tails for additional PCB retention

Reference Information

Packaging: Tray

Designed In: Millimeters

Electrical

Voltage: 50V

Current: 0.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 500V AC/1 min.

Insulation Resistance: 100 MΩ min.

Physical

Housing: 6/6 nylon, UL 94V-0

Actuator: PBTP, UL 94V-0

Contact: Phosphor Bronze

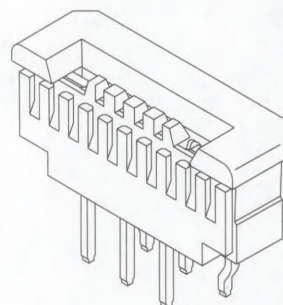
Plating: Tin

Operating Temperature: -20 to +80°C

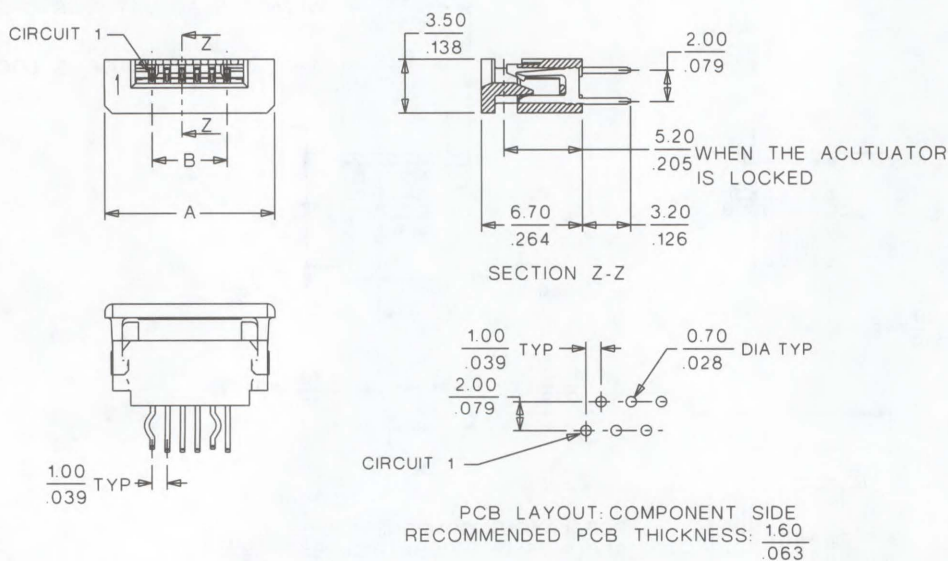
1.00mm (.039") Pitch
FFC/FPC Connector

52030

Vertical, ZIF



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
8	52030-0810	13.30 (.524)	7.00 (.275)
10	52030-1010	15.30 (.602)	9.00 (.354)
12	52030-1210	17.30 (.681)	11.00 (.433)
14	52030-1410	19.30 (.760)	13.00 (.511)
16	52030-1610	21.30 (.839)	15.00 (.590)
18	52030-1810	23.30 (.917)	17.00 (.669)
20	52030-2010	25.30 (.996)	19.00 (.748)
22	52030-2210	27.30 (1.074)	21.00 (.826)
24	52030-2410	29.30 (1.154)	23.00 (.905)
26	52030-2610	31.30 (1.232)	25.00 (.984)
28	52030-2810	33.30 (1.311)	27.00 (1.062)
30	52030-3010	35.30 (1.390)	29.00 (1.141)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 30 circuits
- For use with 0.30mm thick FFC/FPC
- Tuning fork contacts assure stable, low contact resistance
- Optional cable retention barbs provide cable strain relief and assure full retention of cable
- Optional polarizing peg assures proper orientation to PCB and kinked outer solder tails offer PCB retention
- Surface Mount Compatible

Reference Information

Product Specification: PS-71226
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980A-320
Designed In: Millimeters

Electrical

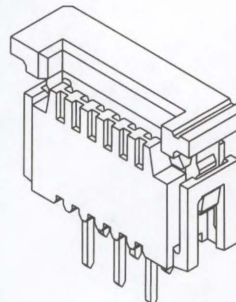
Voltage: 125V
Current: 1.0A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V
Insulation Resistance: 100 MΩ min.

Physical

Housing: 4/6 nylon, UL 94V-0
Actuator: LCP, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: Tin/Lead, 90/10
Operating Temperature: -20 to +80°C

molex® 1.00mm (.039") Pitch FFC/FPC Connector

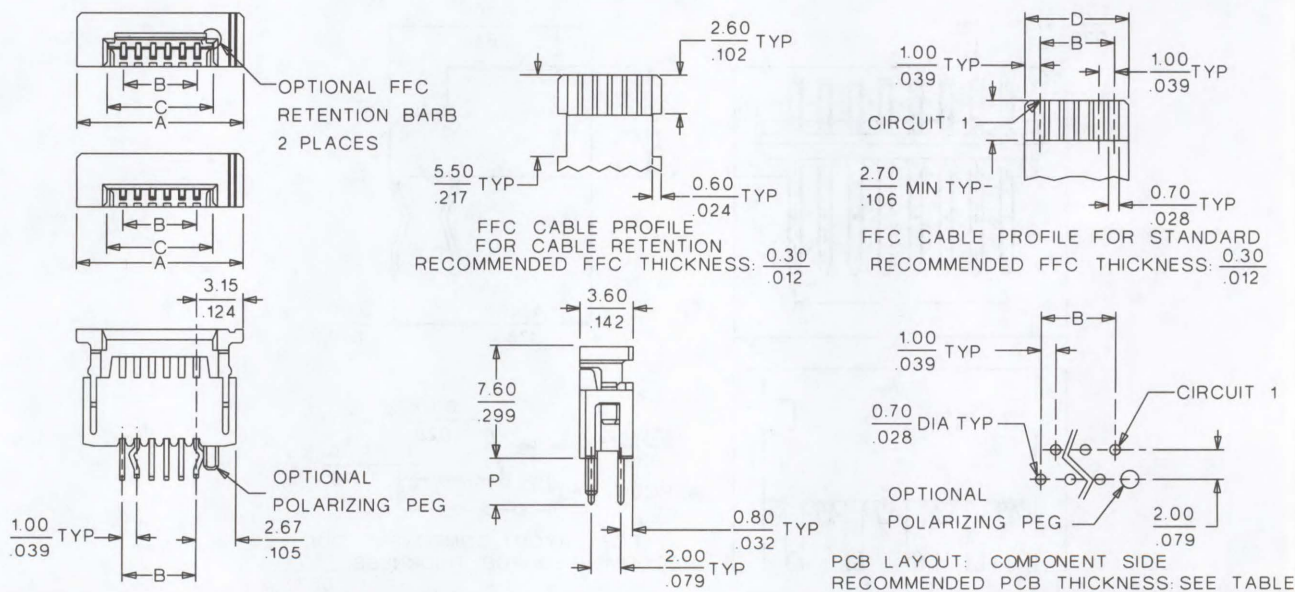
71226 Vertical, ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.								Dimension			
	Cable Retention Green Actuator				Standard Blue Actuator							
	2.25 PC Tail (Dimension P)		3.15 PC Tail (Dimension P)		2.25 PC Tail (Dimension P)		3.15 PC Tail (Dimension P)		A	B	C	D
	Peg	No Peg	Peg	No Peg	Peg	No Peg	Peg	No Peg				
4	71226-0423	71226-0421	71226-0433	71226-0431	71226-0424	71226-0425	71226-0434	71226-0435	9.30 (.366)	3.00 (.118)	5.20 (.205)	5.00 (.197)
6	71226-0623	71226-0621	71226-0633	71226-0631	71226-0624	71226-0625	71226-0634	71226-0635	11.30 (.445)	5.00 (.197)	7.20 (.283)	7.00 (.276)
8	71226-0823	71226-0821	71226-0833	71226-0831	71226-0824	71226-0825	71226-0834	71226-0835	13.30 (.524)	7.00 (.276)	9.20 (.362)	9.00 (.354)
10	71226-1023	71226-1021	71226-1033	71226-1031	71226-1024	71226-1025	71226-1034	71226-1035	15.30 (.602)	9.00 (.354)	11.20 (.441)	11.00 (.433)
12	71226-1223	71226-1221	71226-1233	71226-1231	71226-1224	71226-1225	71226-1234	71226-1235	17.30 (.681)	11.00 (.433)	13.20 (.520)	13.00 (.512)
14	71226-1423	71226-1421	71226-1433	71226-1431	71226-1424	71226-1425	71226-1434	71226-1435	19.30 (.760)	13.00 (.512)	15.20 (.598)	15.00 (.591)
16	71226-1623	71226-1621	71226-1633	71226-1631	71226-1624	71226-1625	71226-1634	71226-1635	21.30 (.839)	15.00 (.591)	17.20 (.677)	17.00 (.669)
18	71226-1823	71226-1821	71226-1833	71226-1831	71226-1824	71226-1825	71226-1834	71226-1835	23.30 (.917)	17.00 (.669)	19.20 (.756)	19.00 (.748)
20	71226-2023	71226-2021	71226-2033	71226-2031	71226-2024	71226-2025	71226-2034	71226-2035	25.30 (.996)	19.00 (.748)	21.20 (.835)	21.00 (.827)
22	71226-2223	71226-2221	71226-2233	71226-2231	71226-2224	71226-2225	71226-2234	71226-2235	27.30 (1.075)	21.00 (.827)	23.20 (.913)	23.00 (.906)
24	71226-2423	71226-2421	71226-2433	71226-2431	71226-2424	71226-2425	71226-2434	71226-2435	29.30 (1.154)	23.00 (.906)	25.20 (.992)	25.00 (.984)
26	71226-2623	71226-2621	71226-2633	71226-2631	71226-2624	71226-2625	71226-2634	71226-2635	31.30 (1.232)	25.00 (.984)	27.20 (1.071)	27.00 (1.063)
28	71226-2823	71226-2821	71226-2833	71226-2831	71226-2824	71226-2825	71226-2834	71226-2835	33.30 (1.311)	27.00 (1.063)	29.20 (1.150)	29.00 (1.142)
30	71226-3023	71226-3021	71226-3033	71226-3031	71226-3024	71226-3025	71226-3034	71226-3035	35.30 (1.390)	29.00 (1.142)	31.20 (1.228)	31.00 (1.220)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 30 circuits
- For 0.30mm thick FFC/FPC
- All solder tails kinked for added PCB retention
- Surface Mount Compatible

Reference Information

Packaging: Tray
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 MΩ min.

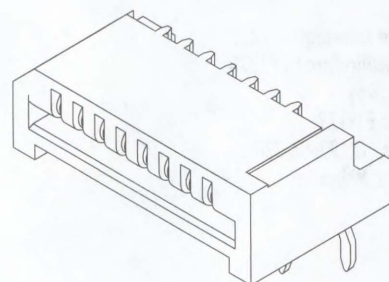
Physical

Housing: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +80°C

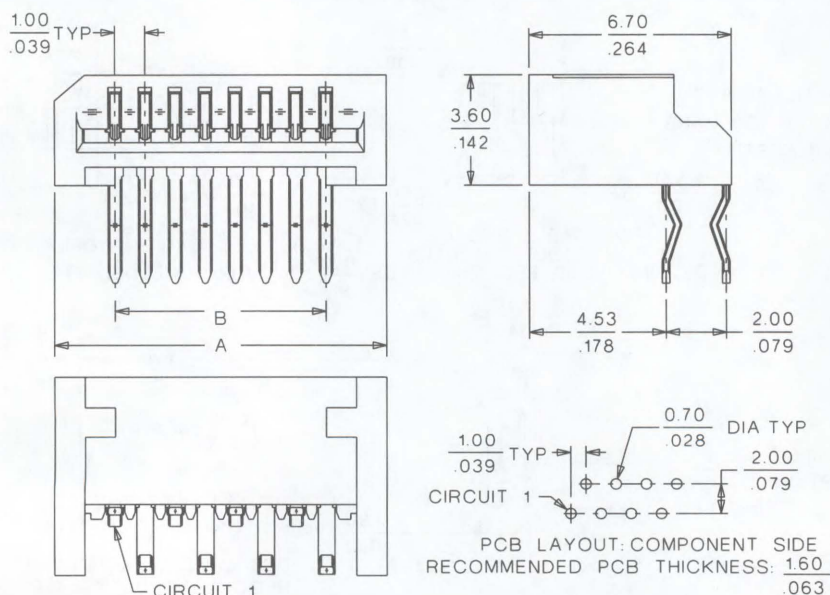
molex® 1.00mm (.039") Pitch
FFC/FPC Connector

52807

**Right Angle, Non-ZIF
Top Contact Style**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	52807-0310	6.00 (.236)	2.00 (.079)
4	52807-0410	7.00 (.276)	3.00 (.118)
5	52807-0510	8.00 (.315)	4.00 (.157)
6	52807-0610	9.00 (.354)	5.00 (.197)
7	52807-0710	10.00 (.394)	6.00 (.236)
8	52807-0810	11.00 (.433)	7.00 (.276)
9	52807-0910	12.00 (.472)	8.00 (.315)
10	52807-1010	13.00 (.512)	9.00 (.354)
11	52807-1110	14.00 (.551)	10.00 (.394)
12	52807-1210	15.00 (.591)	11.00 (.433)
13	52807-1310	16.00 (.630)	12.00 (.472)
14	52807-1410	17.00 (.669)	13.00 (.512)
15	52807-1510	18.00 (.709)	14.00 (.551)
16	52807-1610	19.00 (.748)	15.00 (.591)

Circuits	Order No.	Dimension	
		A	B
17	52807-1710	20.00 (.787)	16.00 (.630)
18	52807-1810	21.00 (.827)	17.00 (.669)
19	52807-1910	22.00 (.866)	18.00 (.709)
20	52807-2010	23.00 (.906)	19.00 (.748)
21	52807-2110	24.00 (.945)	20.00 (.787)
22	52807-2210	25.00 (.984)	21.00 (.827)
23	52807-2310	26.00 (1.024)	22.00 (.866)
24	52807-2410	27.00 (1.063)	23.00 (.906)
25	52807-2510	28.00 (1.102)	24.00 (.945)
26	52807-2610	29.00 (1.142)	25.00 (.984)
27	52807-2710	30.00 (1.181)	26.00 (1.024)
28	52807-2810	31.00 (1.220)	27.00 (1.063)
29	52807-2910	32.00 (1.260)	28.00 (1.102)
30	52807-3010	33.00 (1.299)	29.00 (1.142)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 30 circuits
- For 0.30mm thick FFC/FPC
- All solder tails kinked for added PCB retention
- Surface Mount Compatible

Reference Information

Packaging: Tray
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 MΩ min.

Physical

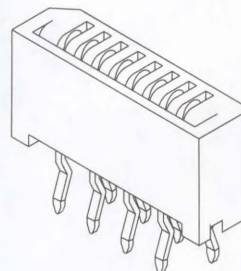
Housing: PPS, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +80°C



**1.00mm (.039") Pitch
FFC/FPC Connector**

52806

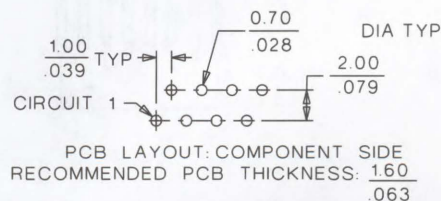
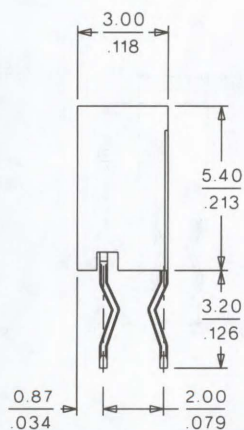
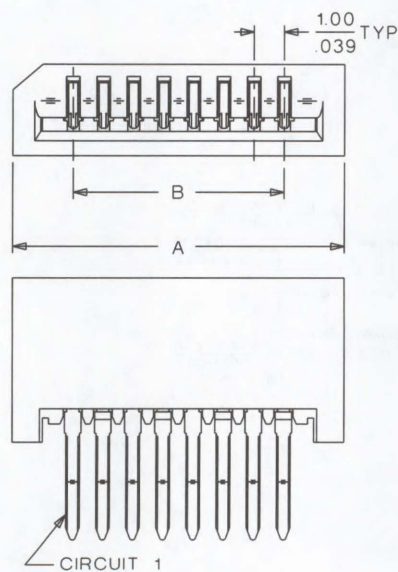
Vertical, Non-ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	52806-0310	6.00 (.236)	2.00 (.079)
4	52806-0410	7.00 (.276)	3.00 (.118)
5	52806-0510	8.00 (.315)	4.00 (.157)
6	52806-0610	9.00 (.354)	5.00 (.197)
7	52806-0710	10.00 (.394)	6.00 (.236)
8	52806-0810	11.00 (.433)	7.00 (.276)
9	52806-0910	12.00 (.472)	8.00 (.315)
10	52806-1010	13.00 (.512)	9.00 (.354)
11	52806-1110	14.00 (.551)	10.00 (.394)
12	52806-1210	15.00 (.591)	11.00 (.433)
13	52806-1310	16.00 (.630)	12.00 (.472)
14	52806-1410	17.00 (.669)	13.00 (.512)
15	52806-1510	18.00 (.709)	14.00 (.551)
16	52806-1610	19.00 (.748)	15.00 (.591)

Circuits	Order No.	Dimension	
		A	B
17	52806-1710	20.00 (.787)	16.00 (.630)
18	52806-1810	21.00 (.827)	17.00 (.669)
19	52806-1910	22.00 (.866)	18.00 (.709)
20	52806-2010	23.00 (.906)	19.00 (.748)
21	52806-2110	24.00 (.945)	20.00 (.787)
22	52806-2210	25.00 (.984)	21.00 (.827)
23	52806-2310	26.00 (1.024)	22.00 (.866)
24	52806-2410	27.00 (1.063)	23.00 (.906)
25	52806-2510	28.00 (1.102)	24.00 (.945)
26	52806-2610	29.00 (1.142)	25.00 (.984)
27	52806-2710	30.00 (1.181)	26.00 (1.024)
28	52806-2810	31.00 (1.220)	27.00 (1.063)
29	52806-2910	32.00 (1.260)	28.00 (1.102)
30	52806-3010	33.00 (1.299)	29.00 (1.142)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 30 circuits
- For 0.30mm thick FFC/FPC
- Two types of solder tail lengths: 2.80 and 3.20mm
- Kinked solder tail option available

Reference Information

Product Specification: PS-35802

Packaging: Tube

Designed In: Millimeters

Electrical

Voltage: 50V

Current: 0.5A max.

Contact Resistance: 30mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 100 MΩ min.

Physical

Housing: Polyamide, UL 94V-0

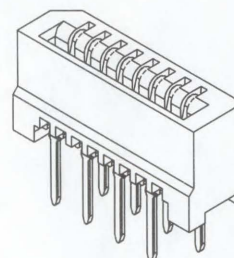
Contact: Phosphor Bronze

Plating: Tin

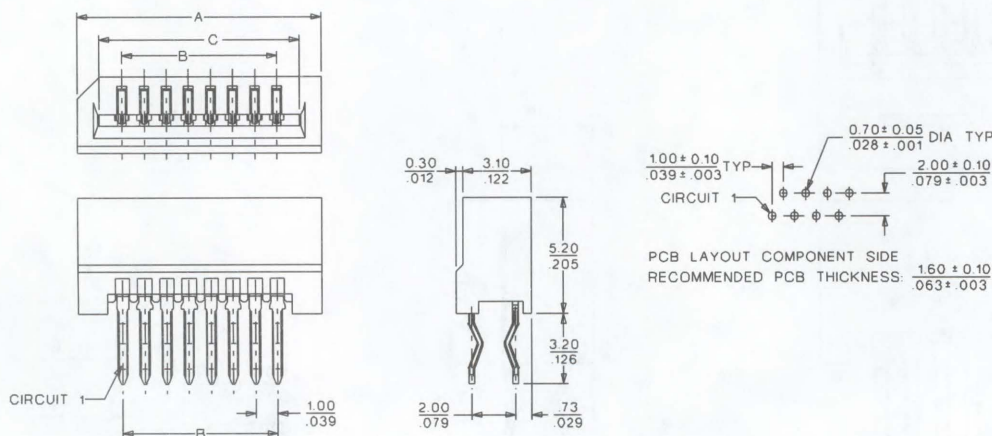
Operating Temperature: -20 to +80°C

1.00mm (.039") Pitch
FFC/FPC Connector

35802

Vertical
Non-ZIF

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		
		A	B	C
3	35802-03X1	6.00 (.236)	2.00 (.079)	4.05 (.159)
4	35802-04X1	7.00 (.276)	3.00 (.118)	5.05 (.199)
5	35802-05X1	8.00 (.315)	4.00 (.157)	6.05 (.238)
6	35802-06X1	9.00 (.354)	5.00 (.197)	7.05 (.278)
7	35802-07X1	10.00 (.394)	6.00 (.236)	8.05 (.317)
8	35802-08X1	11.00 (.433)	7.00 (.276)	9.05 (.356)
9	35802-09X1	12.00 (.472)	8.00 (.315)	10.05 (.396)
10	35802-10X1	13.00 (.512)	9.00 (.354)	11.05 (.435)
11	35802-11X1	14.00 (.551)	10.00 (.394)	12.05 (.474)
12	35802-12X1	15.00 (.591)	11.00 (.433)	13.05 (.514)
13	35802-13X1	16.05 (.632)	12.00 (.472)	14.05 (.531)
14	35802-14X1	17.00 (.669)	13.00 (.512)	15.05 (.593)
15	35802-15X1	18.00 (.709)	14.00 (.551)	16.05 (.632)
16	35802-16X1	19.00 (.748)	15.00 (.591)	17.05 (.671)
17	35802-17X1	20.00 (.787)	16.00 (.630)	18.05 (.711)
18	35802-18X1	21.00 (.827)	17.00 (.669)	19.05 (.750)
19	35802-19X1	22.00 (.866)	18.00 (.709)	20.05 (.789)

Circuits	Order No.	Dimension		
		A	B	C
20	35802-20X1	23.00 (.906)	19.00 (.748)	21.05 (.829)
21	35802-21X1	24.00 (.945)	20.00 (.787)	22.05 (.868)
22	35802-22X1	25.00 (.984)	21.00 (.827)	23.05 (.907)
23	35802-23X1	26.00 (1.024)	22.00 (.866)	24.05 (.947)
24	35802-24X1	27.00 (1.063)	23.00 (.906)	25.05 (.986)
25	35802-25X1	28.00 (1.102)	24.00 (.945)	26.05 (1.026)
26	35802-26X1	29.00 (1.142)	25.00 (.984)	27.05 (1.065)
27	35802-27X1	30.00 (1.181)	26.00 (1.024)	28.05 (1.104)
28	35802-28X1	31.00 (1.220)	27.00 (1.063)	29.05 (1.144)
29	35802-29X1	32.00 (1.230)	28.00 (1.102)	30.05 (1.183)
30	35802-30X1	33.00 (1.299)	29.00 (1.142)	31.05 (1.222)

Replace X with solder tail option no., 1-4

Solder Tail Option No. 1: Kink and tail length 3.2mm

Solder Tail Option No. 2: Non-kink and tail length 3.2mm

Solder Tail Option No. 3: Kink and tail length 2.8mm

Solder Tail Option No. 4: Non-kink and tail length 2.8mm

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 30 circuits
- Staggered solder tails, 3.50mm (.138") long
- 5597 accommodates FFC/FPC 0.30mm (.012") thick

Reference Information

Packaging: Tray
UL File No.: E29179
Designed In: Millimeters

Electrical

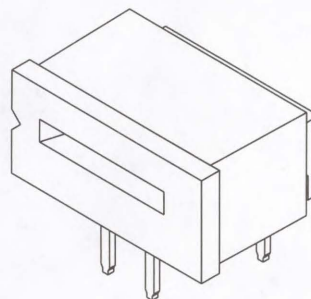
Voltage: 200V
Current: 1.0A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 500 MΩ min.

Physical

Housing: PBTP, UL 94V-0
Actuator: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +80°C

molex® 1.25mm (.049") Pitch
FFC/FPC Connector

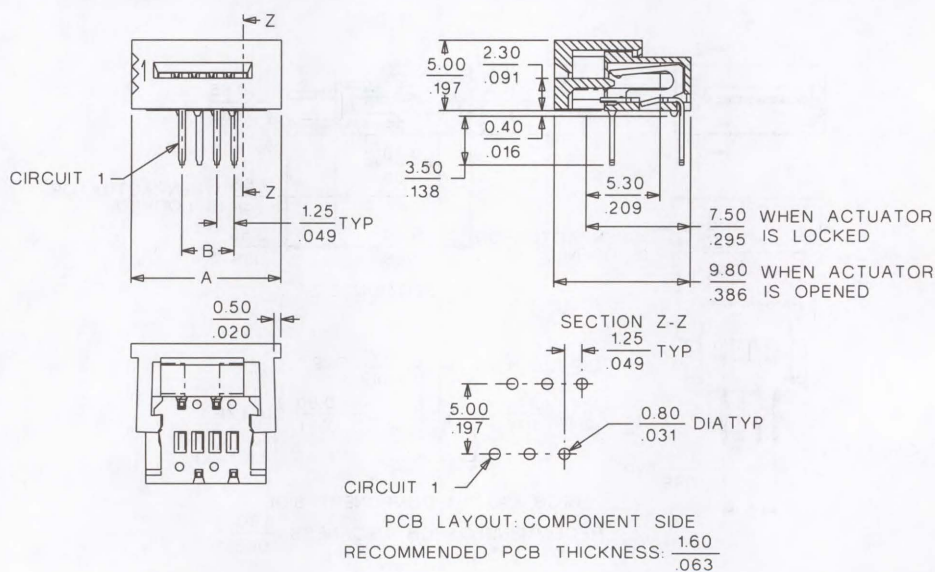
5597-NAPB
Right Angle, ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	39-51-3033	9.50 (.374)	2.50 (.098)
4	39-51-3043	10.75 (.423)	3.75 (.147)
5	39-51-3053	12.00 (.472)	5.00 (.196)
6	39-51-3063	13.25 (.522)	6.25 (.246)
7	39-51-3073	14.50 (.571)	7.50 (.295)
8	39-51-3083	15.75 (.620)	8.75 (.344)
9	39-51-3093	17.00 (.669)	10.00 (.393)
10	39-51-3103	18.25 (.719)	11.25 (.442)
11	39-51-3113	19.50 (.768)	12.50 (.492)
12	39-51-3123	20.75 (.817)	13.75 (.541)
13	39-51-3133	22.00 (.866)	15.00 (.590)
14	39-51-3143	23.25 (.915)	16.25 (.639)
15	39-51-3153	24.50 (.965)	17.50 (.688)
16	39-51-3163	25.75 (1.014)	18.75 (.738)

Circuits	Order No.	Dimension	
		A	B
17	39-51-3173	27.00 (1.063)	20.00 (.787)
18	39-51-3183	28.25 (1.112)	21.25 (.836)
19	39-51-3193	29.50 (1.161)	22.50 (.885)
20	39-51-3203	30.75 (1.211)	23.75 (.935)
21	39-51-3213	32.00 (1.260)	25.00 (.984)
22	39-51-3223	33.25 (1.309)	26.25 (1.033)
23	39-51-3233	34.50 (1.358)	27.50 (1.082)
24	39-51-3243	35.75 (1.407)	28.75 (1.131)
25	39-51-3253	37.00 (1.475)	30.00 (1.181)
26	39-51-3263	38.25 (1.506)	31.25 (1.230)
27	39-51-3273	39.50 (1.555)	32.50 (1.279)
28	39-51-3283	40.75 (1.604)	33.75 (1.328)
29	39-51-3293	42.00 (1.654)	35.00 (1.377)
30	39-51-3303	43.25 (1.703)	36.25 (1.427)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 30 circuits
- Staggered solder tails, 3.50mm (.138") long
- 5597 accommodates FFC/FPC 0.30mm (.012") thick

Reference Information

Packaging: Tray
UL File No.: E29179
Designed In: Millimeters

Electrical

Voltage: 200V
Current: 1.0A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 500 MΩ min.

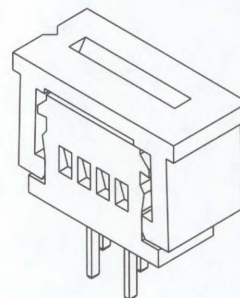
Physical

Housing: PBTP, UL 94V-0
Actuator: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -20 to +80°C

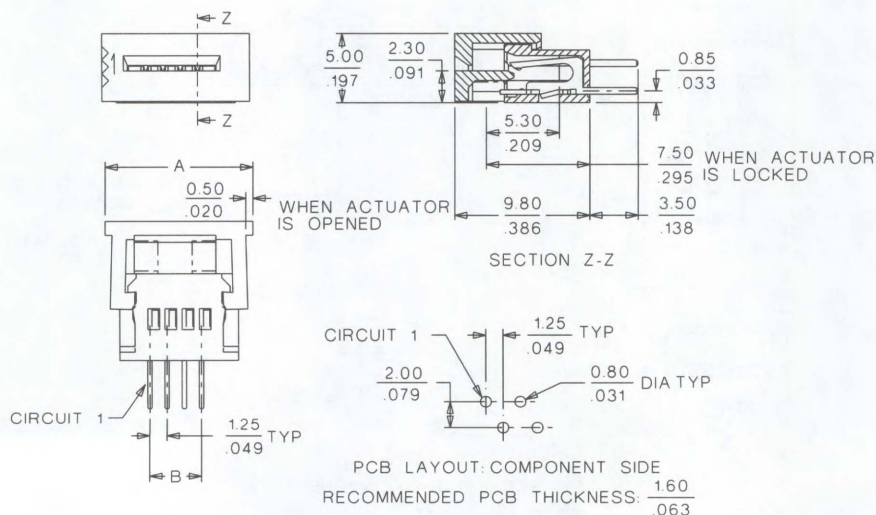
1.25mm (.049") Pitch
FFC/FPC Connector

5597-NCPB

Vertical, ZIF



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	39-51-3034	9.50 (.374)	2.50 (.098)
4	39-51-3044	10.75 (.423)	3.75 (.147)
5	39-51-3054	12.00 (.472)	5.00 (.196)
6	39-51-3064	13.25 (.522)	6.25 (.246)
7	39-51-3074	14.50 (.571)	7.50 (.295)
8	39-51-3084	15.75 (.620)	8.75 (.344)
9	39-51-3094	17.00 (.669)	10.00 (.393)
10	39-51-3104	18.25 (.719)	11.25 (.442)
11	39-51-3114	19.50 (.768)	12.50 (.492)
12	39-51-3124	20.75 (.817)	13.75 (.541)
13	39-51-3134	22.00 (.866)	15.00 (.590)
14	39-51-3144	23.25 (.915)	16.25 (.639)
15	39-51-3154	24.50 (.965)	17.50 (.688)
16	39-51-3164	25.75 (1.014)	18.75 (.738)

Circuits	Order No.	Dimension	
		A	B
17	39-51-3174	27.00 (1.063)	20.00 (.787)
18	39-51-3184	28.25 (1.112)	21.25 (.836)
19	39-51-3194	29.50 (1.161)	22.50 (.885)
20	39-51-3204	30.75 (1.211)	23.75 (.935)
21	39-51-3214	32.00 (1.260)	25.00 (.984)
22	39-51-3224	33.25 (1.309)	26.25 (1.033)
23	39-51-3234	34.50 (1.358)	27.50 (1.082)
24	39-51-3244	35.75 (1.407)	28.75 (1.131)
25	39-51-3254	37.00 (1.475)	30.00 (1.181)
26	39-51-3264	38.25 (1.506)	31.25 (1.230)
27	39-51-3274	39.50 (1.555)	32.50 (1.279)
28	39-51-3284	40.75 (1.604)	33.75 (1.328)
29	39-51-3294	42.00 (1.654)	35.00 (1.377)
30	39-51-3304	43.25 (1.703)	36.25 (1.427)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 40 circuits
- For 0.30mm thick FFC/FPC
- All solder tails kinked for added PCB retention

Reference Information

Packaging: Tray
UL File No.: E29179
Designed In: Millimeters

Electrical

Voltage: 200V
Current: 1.0A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 500 MΩ min.

Physical

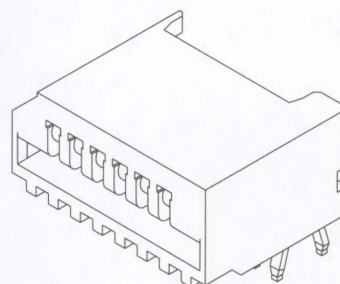
Housing: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -40 to +85°C



1.25mm (.049") Pitch FFC/FPC Connector

52044

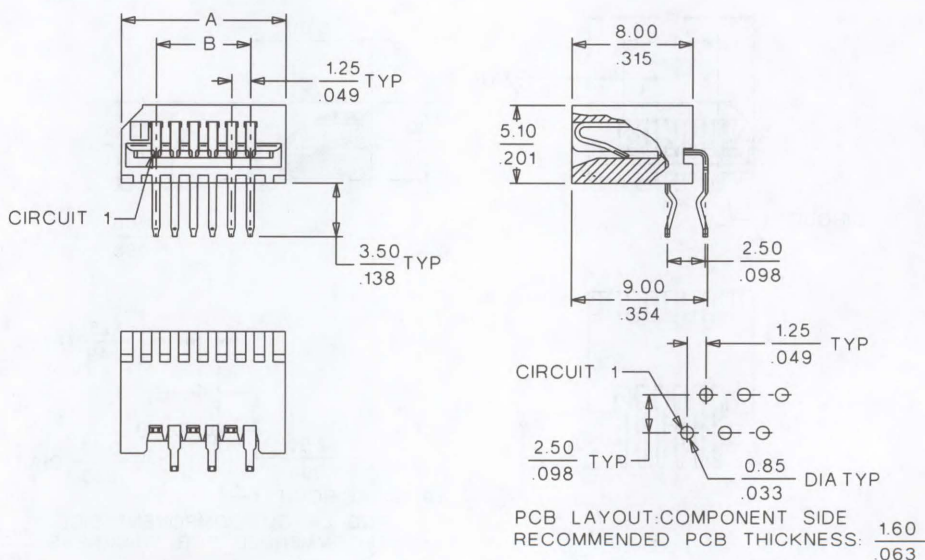
Right Angle, Non-ZIF Top Contact Style



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	52044-0345	7.15 (.281)	2.50 (.098)
4	52044-0445	8.40 (.331)	3.75 (.147)
5	52044-0545	9.65 (.380)	5.00 (.196)
6	52044-0645	10.90 (.429)	6.25 (.246)
7	52044-0745	12.15 (.478)	7.50 (.295)
8	52044-0845	13.40 (.528)	8.75 (.344)
9	52044-0945	14.65 (.577)	10.00 (.393)
10	52044-1045	15.90 (.626)	11.25 (.442)
11	52044-1145	17.15 (.675)	12.50 (.492)
12	52044-1245	18.40 (.724)	13.75 (.541)
13	52044-1345	19.65 (.774)	15.00 (.590)
14	52044-1445	20.90 (.823)	16.25 (.639)
15	52044-1545	22.15 (.872)	17.50 (.688)

Circuits	Order No.	Dimension	
		A	B
16	52044-1645	23.40 (.921)	18.75 (.738)
17	52044-1745	24.65 (.970)	20.00 (.787)
18	52044-1845	25.90 (1.020)	21.25 (.836)
19	52044-1945	27.15 (1.069)	22.50 (.885)
20	52044-2045	28.40 (1.118)	23.75 (.935)
21	52044-2145	29.65 (1.167)	25.00 (.984)
22	52044-2245	30.90 (1.217)	26.25 (1.033)
23	52044-2345	32.15 (1.266)	27.50 (1.082)
24	52044-2445	33.40 (1.314)	28.75 (1.131)
25	52044-2545	34.65 (1.364)	30.00 (1.181)
26	52044-2645	35.90 (1.413)	31.25 (1.230)
27	52044-2745	37.15 (1.463)	32.50 (1.279)
28	52044-2845	38.40 (1.512)	33.75 (1.328)

Circuits	Order No.	Dimension	
		A	B
29	52044-2945	39.65 (1.561)	35.00 (1.377)
30	52044-3045	40.90 (1.610)	36.25 (1.427)
31	52044-3145	42.15 (1.659)	37.50 (1.476)
32	52044-3245	43.40 (1.709)	38.75 (1.525)
33	52044-3345	44.65 (1.758)	40.00 (1.574)
34	52044-3445	45.90 (1.807)	41.25 (1.624)
35	52044-3545	47.15 (1.856)	42.50 (1.673)
36	52044-3645	48.40 (1.906)	43.75 (1.722)
37	52044-3745	49.65 (1.955)	45.00 (1.771)
38	52044-3845	50.90 (2.004)	46.25 (1.820)
39	52044-3945	52.15 (2.053)	47.50 (1.870)
40	52044-4045	53.40 (2.102)	48.75 (1.919)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 40 circuits
- For 0.30mm thick FFC/FPC
- All solder tails kinked for added PCB retention

Reference Information

Packaging: Tray
UL File No.: E29179
Designed In: Millimeters

Electrical

Voltage: 200V
Current: 1.0A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 500 MΩ min.

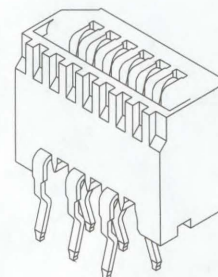
Physical

Housing: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -40 to +85°C

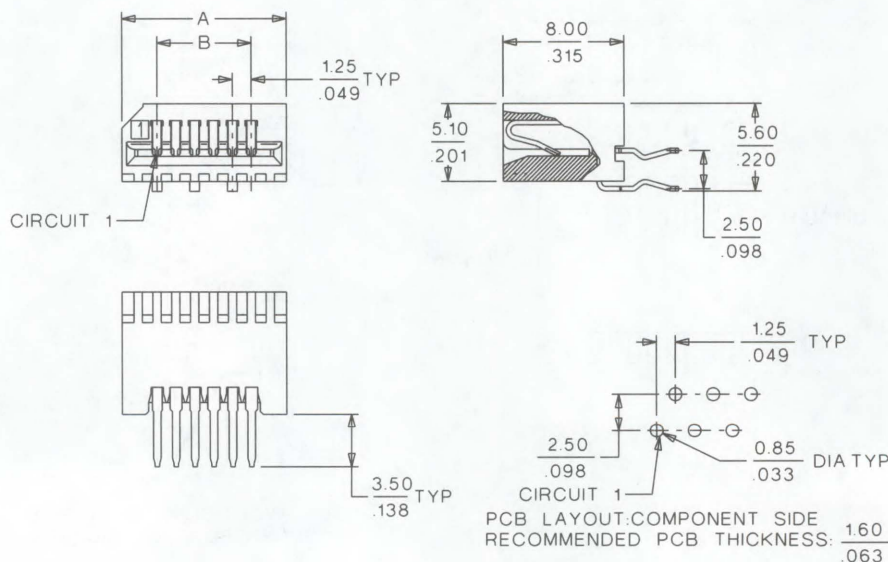
1.25mm (.049") Pitch
FFC/FPC Connector

52045

Vertical, Non-ZIF



CATALOG DRAWING(FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	52045-0345	7.15 (.281)	2.50 (.098)
4	52045-0445	8.40 (.331)	3.75 (.147)
5	52045-0545	9.65 (.380)	5.00 (.196)
6	52045-0645	10.90 (.429)	6.25 (.246)
7	52045-0745	12.15 (.478)	7.50 (.295)
8	52045-0845	13.40 (.528)	8.75 (.344)
9	52045-0945	14.65 (.577)	10.00 (.393)
10	52045-1045	15.90 (.626)	11.25 (.442)
11	52045-1145	17.15 (.675)	12.50 (.492)
12	52045-1245	18.40 (.724)	13.75 (.541)
13	52045-1345	19.65 (.774)	15.00 (.590)
14	52045-1445	20.90 (.823)	16.25 (.639)
15	52045-1545	22.15 (.872)	17.50 (.688)

Circuits	Order No.	Dimension	
		A	B
16	52045-1645	23.40 (.921)	18.75 (.738)
17	52045-1745	24.65 (.970)	20.00 (.787)
18	52045-1845	25.90 (1.020)	21.25 (.836)
19	52045-1945	27.15 (1.069)	22.50 (.885)
20	52045-2045	28.40 (1.118)	23.75 (.935)
21	52045-2145	29.65 (1.167)	25.00 (.984)
22	52045-2245	30.90 (1.217)	26.25 (1.033)
23	52045-2345	32.15 (1.266)	27.50 (1.082)
24	52045-2445	33.40 (1.314)	28.75 (1.131)
25	52045-2545	34.65 (1.364)	30.00 (1.181)
26	52045-2645	35.90 (1.413)	31.25 (1.230)
27	52045-2745	37.15 (1.463)	32.50 (1.279)
28	52045-2845	38.40 (1.512)	33.75 (1.328)

Circuits	Order No.	Dimension	
		A	B
29	52045-2945	39.65 (1.561)	35.00 (1.377)
30	52045-3045	40.90 (1.610)	36.25 (1.427)
31	52045-3145	42.15 (1.659)	37.50 (1.476)
32	52045-3245	43.40 (1.709)	38.75 (1.525)
33	52045-3345	44.65 (1.758)	40.00 (1.574)
34	52045-3445	45.90 (1.807)	41.25 (1.624)
35	52045-3545	47.15 (1.856)	42.50 (1.673)
36	52045-3645	48.40 (1.906)	43.75 (1.722)
37	52045-3745	49.65 (1.955)	45.00 (1.771)
38	52045-3845	50.90 (2.004)	46.25 (1.820)
39	52045-3945	52.15 (2.053)	47.50 (1.870)
40	52045-4045	53.40 (2.102)	48.75 (1.919)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 6 to 36 circuits
- For 0.30mm thick FFC/FPC
- Kinked solder tails for added PCB retention

Reference Information

Packaging: Tray
Designed In: Millimeters

Electrical

Voltage: 200V
Current: 1.0A
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 500 MΩ min.

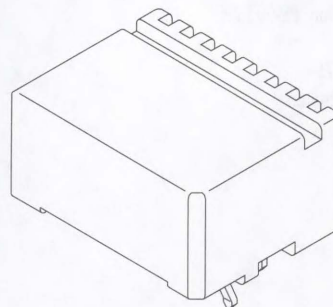
Physical

Housing: PBTP, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -40 to +85°C

molex® 1.25mm (.049") Pitch
FFC/FPC Connector

52492

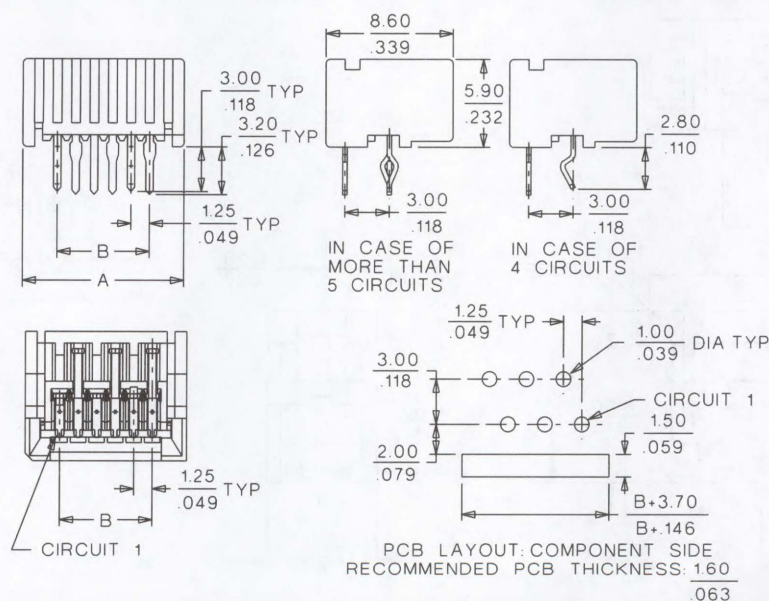
Bottom Entry



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
6	52492-0620	10.90 (.429)	6.25 (.246)
7	52492-0720	12.15 (.478)	7.50 (.295)
8	52492-0820	13.40 (.528)	8.75 (.344)
9	52492-0920	14.65 (.577)	10.00 (.394)
10	52492-1020	15.90 (.626)	11.25 (.443)
11	52492-1120	17.15 (.675)	12.50 (.492)
12	52492-1220	18.40 (.724)	13.75 (.541)
13	52492-1320	19.65 (.774)	15.00 (.591)
14	52492-1420	20.90 (.823)	16.25 (.640)
15	52492-1520	22.15 (.872)	17.50 (.689)
16	52492-1620	23.40 (.921)	18.75 (.738)
17	52492-1720	24.65 (.970)	20.00 (.787)
18	52492-1820	25.90 (1.020)	21.25 (.837)
19	52492-1920	27.15 (1.069)	22.50 (.886)
20	52492-2020	28.40 (1.118)	23.75 (.935)
21	52492-2120	29.65 (1.167)	25.00 (.984)

Circuits	Order No.	Dimension	
		A	B
22	52492-2220	30.90 (1.217)	26.25 (1.033)
23	52492-2320	32.15 (1.266)	27.50 (1.083)
24	52492-2420	33.40 (1.315)	28.75 (1.132)
25	52492-2520	34.65 (1.364)	30.00 (1.181)
26	52492-2620	35.90 (1.413)	31.25 (1.230)
27	52492-2720	37.15 (1.463)	32.50 (1.280)
28	52492-2820	38.40 (1.512)	33.75 (1.329)
29	52492-2920	39.65 (1.561)	35.00 (1.378)
30	52492-3020	40.90 (1.610)	36.25 (1.427)
31	52492-3120	42.15 (1.659)	37.50 (1.476)
32	52492-3220	43.40 (1.709)	38.75 (1.526)
33	52492-3320	44.65 (1.758)	40.00 (1.575)
34	52492-3420	45.90 (1.807)	41.25 (1.624)
35	52492-3520	47.15 (1.856)	42.50 (1.673)
36	52492-3620	48.40 (1.906)	43.75 (1.722)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 20 circuits
- For 0.20 ± 0.10mm thick FFC/FPC
- Zero insertion force (ZIF)
- Dual beam contact
- Audible click when cover closed

Reference Information

Product Specification: PS-90500E

Packaging: Tube

UL File No.: E29179

Designed In: Millimeters

Electrical

Voltage: 250V DC

Current: 1.0A max. per circuit

Contact Resistance: 30mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 5000 MΩ min.

Mechanical

Contact Retention to Housing: 300g min.

Unmating Force: 35g min.

Physical

Housing: Black glass-filled polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Tin

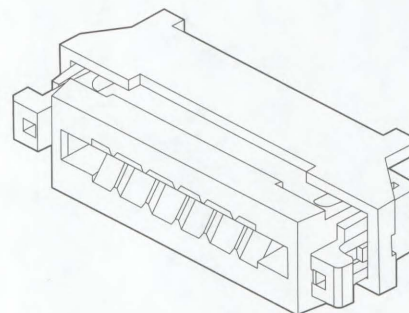
Operating Temperature: -40 to +85°C



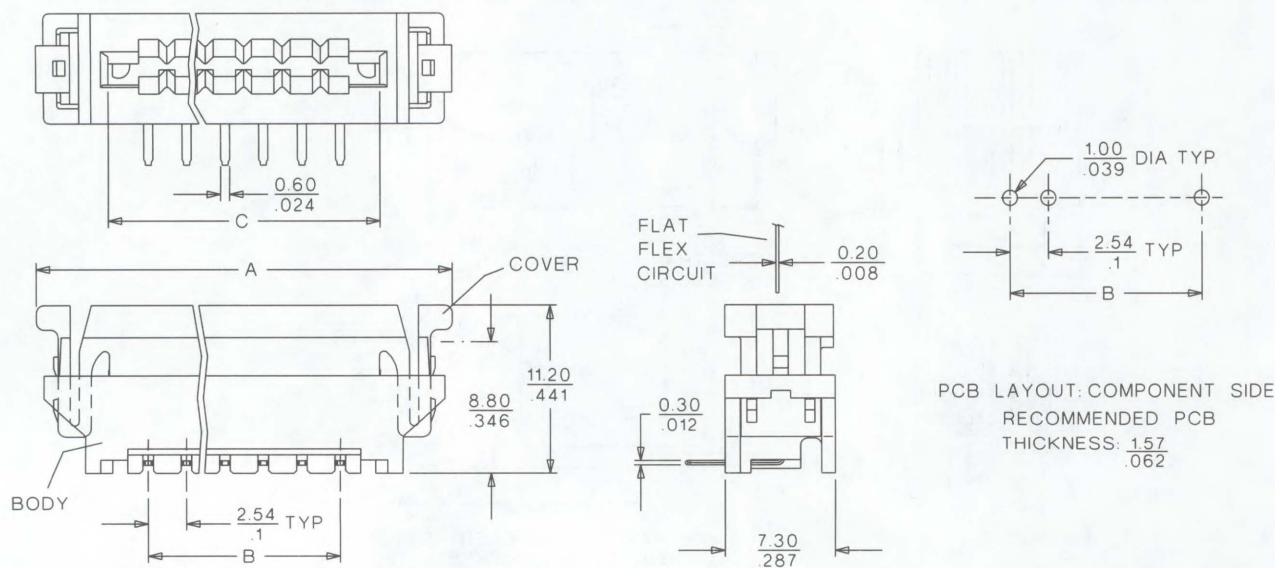
2.54mm (.100") Pitch Flex Circuit-to-Board FFC/FPC Connector

90500

Right Angle, ZIF



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		
		A	B	C
4	90500-4004	22.52 (.887)	7.62 (.300)	12.92 (.509)
5	90500-4005	25.06 (.987)	10.16 (.400)	15.46 (.609)
6	90500-4006	27.60 (1.087)	12.70 (.500)	18.00 (.709)
7	90500-4007	30.14 (1.187)	15.24 (.600)	20.54 (.809)
8	90500-4008	32.68 (1.287)	17.78 (.700)	23.08 (.909)
9	90500-4009	35.22 (1.387)	20.32 (.800)	25.62 (1.009)
10	90500-4010	37.76 (1.487)	22.86 (.900)	28.16 (1.109)
11	90500-4011	40.30 (1.587)	25.40 (1.000)	30.70 (1.209)
12	90500-4012	42.84 (1.687)	27.94 (1.100)	33.24 (1.309)
13	90500-4013	45.38 (1.787)	30.48 (1.200)	35.78 (1.409)
14	90500-4014	47.92 (1.887)	33.02 (1.300)	38.32 (1.509)
15	90500-4015	50.46 (1.987)	35.56 (1.400)	40.86 (1.609)
16	90500-4016	53.00 (2.087)	38.10 (1.500)	43.40 (1.709)
17	90500-4017	55.54 (2.187)	40.64 (1.600)	45.94 (1.809)
18	90500-4018	58.08 (2.287)	43.18 (1.700)	48.48 (1.909)
19	90500-4019	60.62 (2.387)	45.72 (1.800)	51.02 (2.009)
20	90500-4020	63.16 (2.487)	48.26 (1.900)	53.56 (2.109)

Note: Available with kinked tails, contact Molex

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 20 circuits
- For 0.20 ± 0.10 mm thick FFC/FPC
- Zero insertion force (ZIF)
- Dual beam contact
- Audible click when cover closed

Reference Information

Product Specification: PS-90500E
Packaging: Tube
UL File No.: E29179
Designed In: Millimeters

Electrical

Voltage: 250V DC
Current: 1.0A max. per circuit
Contact Resistance: 30m Ω max.
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance: 5000 M Ω min.

Mechanical

Contact Retention to Housing: 300g min.
Unmating Force: 35g min.

Physical

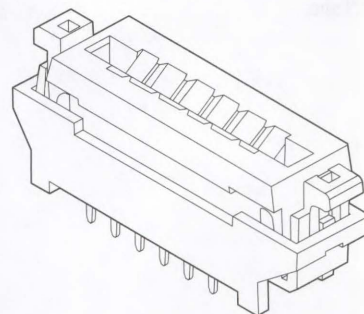
Housing: Black glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin
Operating Temperature: -40 to +85°C



2.54mm (.100") Pitch Flex Circuit-to-Board FFC/FPC Connector

90500

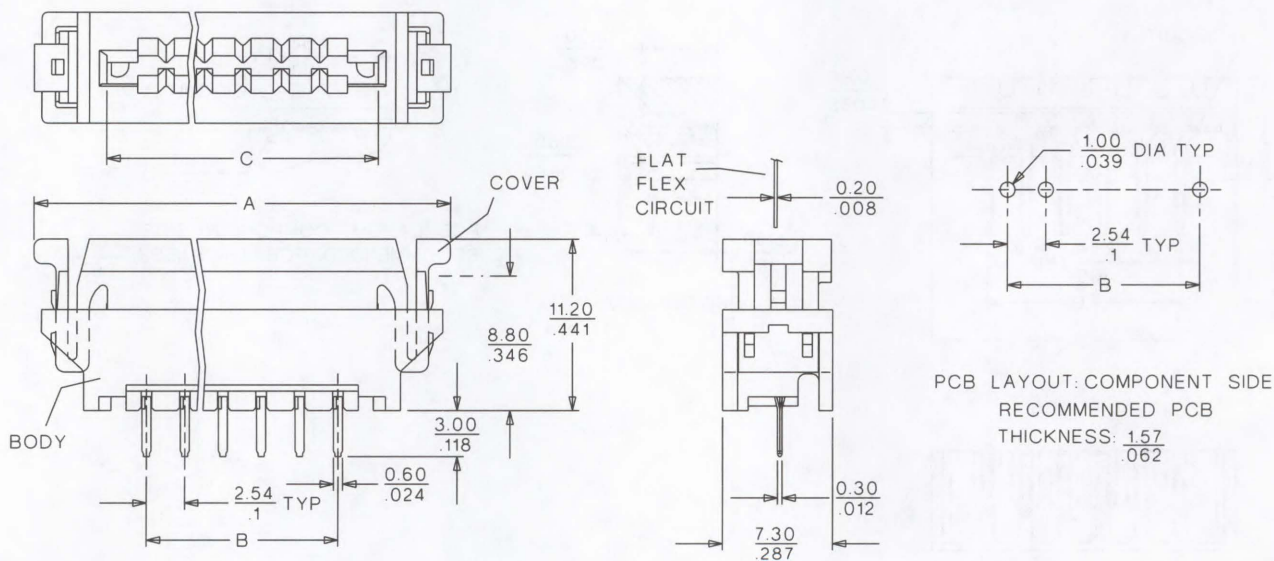
Vertical, ZIF



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		
		A	B	C
4	90500-3004	22.52 (.887)	7.62 (.300)	12.92 (.509)
5	90500-3005	25.06 (.987)	10.16 (.400)	15.46 (.609)
6	90500-3006	27.60 (1.087)	12.70 (.500)	18.00 (.709)
7	90500-3007	30.14 (1.187)	15.24 (.600)	20.54 (.809)
8	90500-3008	32.68 (1.287)	17.78 (.700)	23.08 (.909)
9	90500-3009	35.22 (1.387)	20.32 (.800)	25.62 (1.009)
10	90500-3010	37.76 (1.487)	22.86 (.900)	28.16 (1.109)
11	90500-3011	40.30 (1.587)	25.40 (1.000)	30.70 (1.209)
12	90500-3012	42.84 (1.687)	27.94 (1.100)	33.24 (1.309)
13	90500-3013	45.38 (1.787)	30.48 (1.200)	35.78 (1.409)
14	90500-3014	47.92 (1.887)	33.02 (1.300)	38.32 (1.509)
15	90500-3015	50.46 (1.987)	35.56 (1.400)	40.86 (1.609)
16	90500-3016	53.00 (2.087)	38.10 (1.500)	43.40 (1.709)
17	90500-3017	55.54 (2.187)	40.64 (1.600)	45.94 (1.809)
18	90500-3018	58.08 (2.287)	43.18 (1.700)	48.48 (1.909)
19	90500-3019	60.62 (2.387)	45.72 (1.800)	51.02 (2.009)
20	90500-3020	63.16 (2.487)	48.26 (1.900)	53.56 (2.109)

Note: Available with kinked tails, contact Molex

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 27 circuits
- For 0.30mm thick FFC/FPC
- Low insertion force (LIF)
- Also accepts conductive ink circuit (membrane switch)
- Completely eliminates flux intrusion

Reference Information

UL File No.: E29179

Packaging: Tray

Designed In: Inches

Electrical

Voltage: 200V

Current: 1.0A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 650V AC/1 min.

Insulation Resistance: 1000 MΩ min.

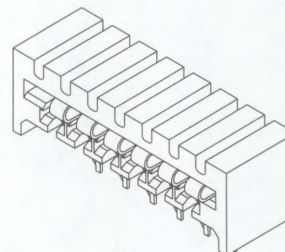
Physical

Housing: PBTP, UL 94V-0

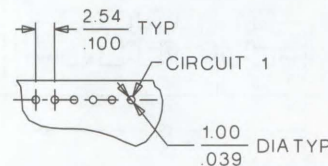
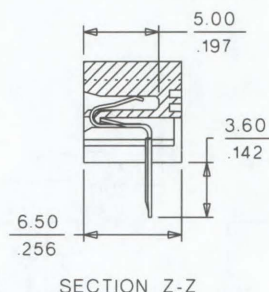
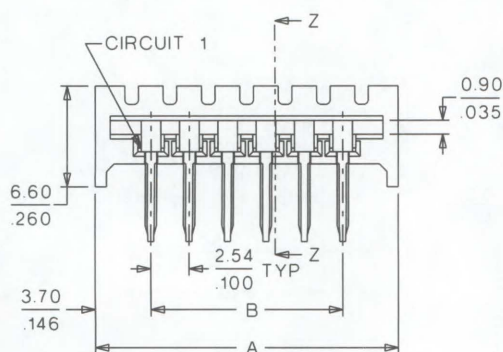
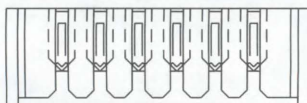
Contact: Phosphor Bronze

Plating: Tin

Operating Temperature: -40 to +105°C


**2.54mm (.100") Pitch
FFC/FPC Connector**
5229-NAPB
**Right Angle
Non-ZIF**


CATALOG DRAWING (FOR REFERENCE ONLY)


 PCB LAYOUT: COMPONENT SIDE
 RECOMMENDED PCB THICKNESS: $\frac{1.60}{.063}$


ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	22-15-3033	12.48 (.491)	5.08 (.200)
4	22-15-3043	15.02 (.591)	7.62 (.300)
5	22-15-3053	17.56 (.691)	10.16 (.400)
6	22-15-3063	20.10 (.791)	12.70 (.500)
7	22-15-3073	22.64 (.891)	15.24 (.600)
8	22-15-3083	25.18 (.991)	17.78 (.700)
9	22-15-3093	27.72 (1.091)	20.32 (.800)
10	22-15-3103	30.26 (1.191)	22.86 (.900)
11	22-15-3113	32.80 (1.291)	25.40 (1.000)
12	22-15-3123	35.34 (1.391)	27.94 (1.100)
13	22-15-3133	37.88 (1.491)	30.48 (1.200)
14	22-15-3143	40.42 (1.591)	33.02 (1.300)

Circuits	Order No.	Dimension	
		A	B
15	22-15-3153	42.96 (1.691)	35.56 (1.400)
16	22-15-3163	45.50 (1.791)	38.10 (1.500)
17	22-15-3173	48.04 (1.891)	40.64 (1.600)
18	22-15-3183	50.58 (1.991)	43.18 (1.700)
19	22-15-3193	53.12 (2.091)	45.72 (1.800)
20	22-15-3203	55.66 (2.191)	48.26 (1.900)
21	22-15-3213	58.20 (2.291)	50.80 (2.000)
22	22-15-3223	60.74 (2.391)	53.34 (2.100)
23	22-15-3233	63.28 (2.491)	55.88 (2.200)
24	22-15-3243	65.82 (2.591)	58.42 (2.300)
25	22-15-3253	68.36 (2.691)	60.96 (2.400)
27	22-15-3273	73.44 (2.891)	66.04 (2.600)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 3 to 27 circuits
- For 0.30mm thick FFC/FPC
- Low insertion force (LIF)
- Also accepts conductive ink circuit (membrane switch)
- Completely eliminates flux intrusion

Reference Information

UL File No.: E29179

Packaging: Tray

Designed In: Inches

Electrical

Voltage: 200V

Current: 1.0A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 650V AC/1 min.

Insulation Resistance: 1000 MΩ min.

Physical

Housing: PBTP, UL 94V-0

Contact: Phosphor Bronze

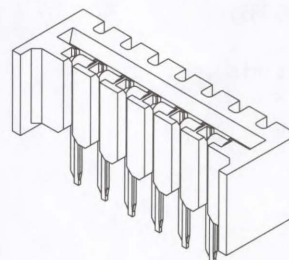
Plating: Tin

Operating Temperature: -40 to +105°C

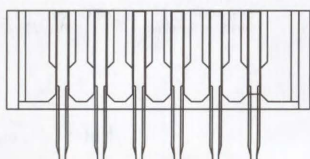
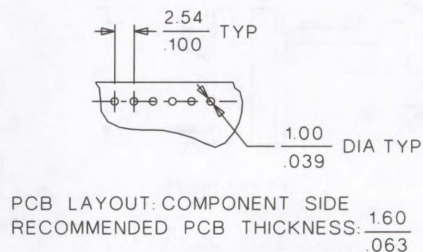
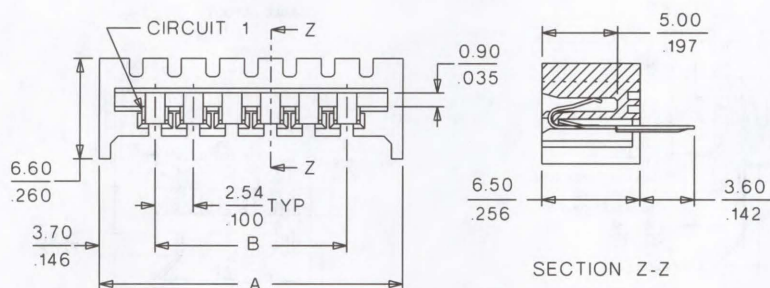
molex® 2.54mm (.100") Pitch FFC/FPC Connector

5229-NCPB

Vertical Non-ZIF



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension	
		A	B
3	22-02-3033	12.48 (.491)	5.08 (.200)
4	22-02-3043	15.02 (.591)	7.62 (.300)
5	22-02-3053	17.56 (.691)	10.16 (.400)
6	22-02-3063	20.10 (.791)	12.70 (.500)
7	22-02-3073	22.64 (.891)	15.24 (.600)
8	22-02-3083	25.18 (.991)	17.78 (.700)
9	22-02-3093	27.72 (1.091)	20.32 (.800)
10	22-02-3103	30.26 (1.191)	22.86 (.900)
11	22-02-3113	32.80 (1.291)	25.40 (1.000)
12	22-02-3123	35.34 (1.391)	27.94 (1.100)
13	22-02-3133	37.88 (1.491)	30.48 (1.200)
14	22-02-3143	40.42 (1.591)	33.02 (1.300)
15	22-02-3153	42.96 (1.691)	35.56 (1.400)

Circuits	Order No.	Dimension	
		A	B
16	22-02-3163	45.50 (1.791)	38.10 (1.500)
17	22-02-3173	48.04 (1.891)	40.64 (1.600)
18	22-02-3183	50.58 (1.991)	43.18 (1.700)
19	22-02-3193	53.12 (2.091)	45.72 (1.800)
20	22-02-3203	55.66 (2.191)	48.26 (1.900)
21	22-02-3213	58.20 (2.291)	50.80 (2.000)
22	22-02-3223	60.74 (2.391)	53.34 (2.100)
23	22-02-3233	63.28 (2.491)	55.88 (2.200)
24	22-02-3243	65.82 (2.591)	58.42 (2.300)
25	22-02-3253	68.36 (2.691)	60.96 (2.400)
26	22-02-3263	70.90 (2.791)	63.50 (2.500)
27	22-02-3273	73.44 (2.891)	66.04 (2.600)

Note: For cable specification dimensions, see cable pages at end of section

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 5 to 25 circuits
- Low insertion force (LIF)
- Accepts flat conductor flexible cable or flat flexible circuitry on .100" centers
- Snaps into PC board with retaining locks
- Printed circuit board solder tail terminals
- Built-in polarized strain relief

Reference Information

Product Specification: PS-4850

Packaging: Bag

Tooling Information: See end of section

UL File No.: E29179

CSA File No.: LR19980

Designed In: Inches

Electrical

Voltage: 250V

Current: 3.0A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 20 MΩ min.

Physical

Housing: Green glass-filled polyester, UL 94V-0

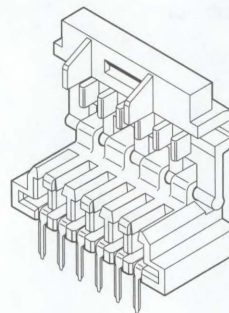
Contact: Brass

Plating: Tin

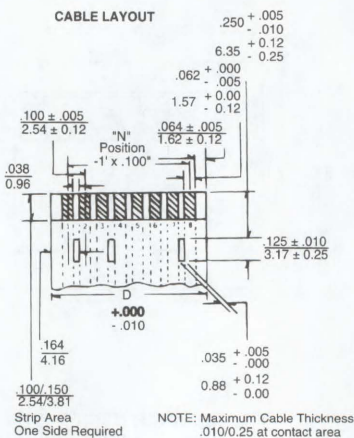
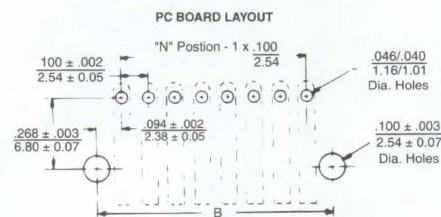
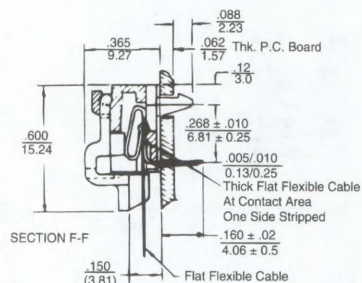
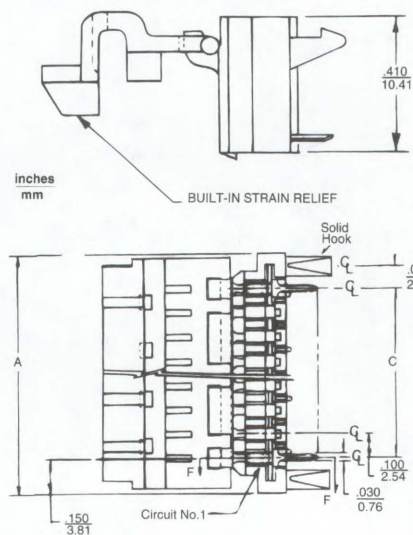
Operating Temperature: -40 to +70°C

molex® 2.54mm (.100") Pitch
Flat Flex Connector

4850



CATALOG DRAWING (FOR REFERENCE ONLY)



Note: Cable must be notched

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension				Cable Slots for Strain Relief Located Between
		A	B	C	D	
5	15-25-4051	17.78 (.700)	14.94 (.588)	10.16 (.400)	14.98 (.590)	1-2,3-4
6	15-25-4061	20.32 (.800)	17.48 (.688)	12.70 (.500)	17.52 (.690)	1-2,4-5
7	15-25-4071	22.86 (.900)	20.02 (.788)	15.24 (.600)	20.06 (.790)	1-2,5-6
8	15-25-4081	25.40 (1.000)	22.56 (.888)	17.78 (.700)	22.60 (.890)	1-2,3,4,7-8
9	15-25-4091	27.94 (1.100)	25.10 (.988)	20.32 (.800)	25.14 (.990)	1-2,3,4,8-9
10	15-25-4101	30.48 (1.200)	27.64 (1.088)	22.86 (.900)	27.68 (1.090)	1-2,3,4,9-10
11	15-25-4111	33.02 (1.300)	30.18 (1.188)	25.40 (1.000)	30.22 (1.190)	1-2,3,4,10-11
12	15-25-4121	35.56 (1.400)	32.72 (1.288)	27.94 (1.100)	32.76 (1.290)	1-2,3,4,11-12
13	15-25-4131	38.10 (1.500)	35.26 (1.388)	30.48 (1.200)	35.30 (1.390)	1-2,3,4,12-13
14	15-25-4141	40.64 (1.600)	37.80 (1.488)	33.02 (1.300)	37.84 (1.490)	1-2,3,4,13-14
15	15-25-4151	43.18 (1.700)	40.34 (1.588)	35.56 (1.400)	40.38 (1.590)	1-2,3,4,14-15

Circuits	Order No.	Dimension				Cable Slots for Strain Relief Located Between
		A	B	C	D	
16	15-25-4161	45.72 (1.800)	42.88 (1.688)	38.10 (1.500)	42.92 (1.690)	1-2,3,4,15-16
17	15-25-4171	48.26 (1.900)	45.42 (1.788)	40.64 (1.600)	45.46 (1.790)	1-2,3,4,16-17
18	15-25-4181	50.80 (2.000)	47.96 (1.888)	43.18 (1.700)	48.00 (1.890)	1-2,3,4,17-18
19	15-25-4191	53.34 (2.100)	50.50 (1.988)	45.72 (1.800)	50.54 (1.990)	1-2,3,4,18-19
20	15-25-4201	55.88 (2.200)	53.04 (2.088)	48.26 (1.900)	53.08 (2.090)	1-2,3,4,19-20
21	15-25-4211	58.42 (2.300)	55.58 (2.188)	50.80 (2.000)	55.62 (2.190)	1-2,3,4,20-21
22	15-25-4221	60.96 (2.400)	58.12 (2.288)	53.34 (2.100)	58.16 (2.290)	1-2,3,4,21-22
23	15-25-4231	63.50 (2.500)	60.66 (2.388)	55.88 (2.200)	60.70 (2.390)	1-2,3,4,22-23
24	15-25-4241	66.04 (2.600)	63.20 (2.488)	58.42 (2.300)	63.24 (2.490)	1-2,3,4,23-24
25	15-25-4251	68.58 (2.700)	65.74 (2.588)	60.69 (2.400)	65.78 (2.590)	1-2,3,4,24-25

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 25 circuits
- Stackable end-to-end and side-by-side
- Piercing crimp provides 3 high-pressure interfaces with the conductor
- Terminals preloaded into housing

Reference Information

Product Specification: PS-40556

Packaging: Tube

Tooling Information: See end of section

UL File No.: E29179

CSA File No.: LR19980

Mates With: 2.54mm (.100") pitch, single or dual row, breakaway headers

Designed In: Inches

Electrical

Voltage: 250V

Current: 2.0A (for Copper conductors)

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Retention to Housing: 13.34N (3 lb) min.

Mating Force: 2.22N (.50 lb) max.

Unmating Force: 0.28N (.06 lb) min.

Wire Pull-Out Force: 26.69N (6 lb)

Durability: Tin/Lead—25 cycles max.

Gold—50 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: See Table

Operating Temperature: -40 to +105°C



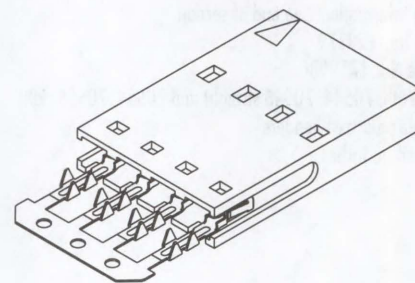
2.54mm (.100") Pitch

SL™

FFC/FPC Connector

70430

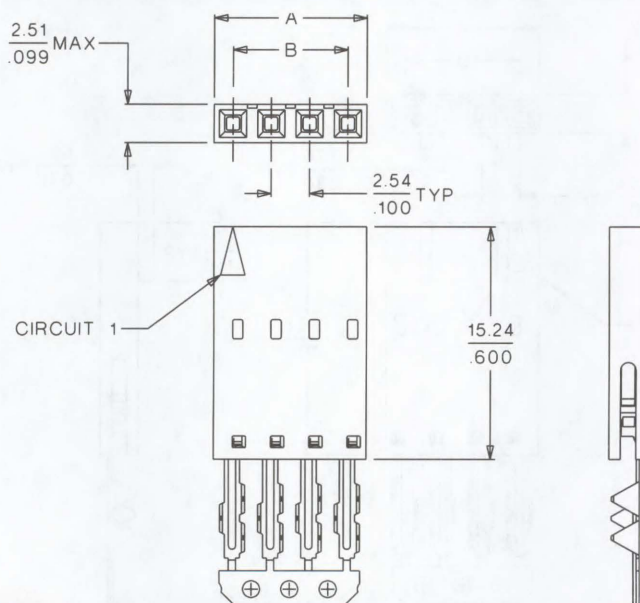
Single Row, Female
Version A



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin/Lead	A	B
2	15-47-4020	15-47-4024	15-38-8028	5.05 (.199)	2.54 (.100)
3	15-47-4030	15-47-4034	15-38-8038	7.59 (.299)	5.08 (.200)
4	15-47-4040	15-47-4044	15-38-8048	10.13 (.399)	7.62 (.300)
5	15-47-4050	15-47-4054	15-38-8058	12.67 (.499)	10.16 (.400)
6	15-47-4060	15-47-4064	15-38-8068	15.21 (.599)	12.70 (.500)
7	15-47-4070	15-47-4074	15-38-8078	17.75 (.699)	15.24 (.600)
8	15-47-4080	15-47-4084	15-38-8088	20.29 (.799)	17.78 (.700)
9	15-47-4090	15-47-4094	15-38-8098	22.83 (.899)	20.32 (.800)
10	15-47-4100	15-47-4104	15-38-8108	25.37 (.999)	22.86 (.900)
11	15-47-4110	15-47-4114	15-38-8118	27.91 (1.099)	25.40 (1.000)
12	15-47-4120	15-47-4124	15-38-8128	30.45 (1.199)	27.94 (1.100)
13	15-47-4130	15-47-4134	15-38-8138	32.99 (1.299)	30.48 (1.200)

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin/Lead	A	B
14	15-47-4140	15-47-4144	15-38-8148	35.53 (1.399)	33.02 (1.300)
15	15-47-4150	15-47-4154	15-38-8158	38.07 (1.499)	35.56 (1.400)
16	15-47-4160	15-47-4164	15-38-8168	40.61 (1.599)	38.10 (1.500)
17	15-47-4170	15-47-4174	15-38-8178	43.15 (1.699)	40.64 (1.600)
18	15-47-4180	15-47-4184	15-38-8188	45.69 (1.799)	43.18 (1.700)
19	15-47-4190	15-47-4194	15-38-8198	48.23 (1.899)	45.72 (1.800)
20	15-47-4200	15-47-4204	15-38-8208	50.77 (1.999)	48.26 (1.900)
21	15-47-4210	15-47-4214	15-38-8218	53.31 (2.099)	50.80 (2.000)
22	15-47-4220	15-47-4224	15-38-8228	55.85 (2.199)	53.34 (2.100)
23	15-47-4230	15-47-4234	15-38-8238	58.39 (2.299)	55.88 (2.200)
24	15-47-4240	15-47-4244	15-38-8248	60.93 (2.399)	58.42 (2.300)
25	15-47-4250	15-47-4254	15-38-8258	63.47 (2.499)	60.96 (2.400)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 25 circuits
- Front polarizing ribs prevent pin damage during disconnect, housing cannot be twisted off pins
- Piercing crimp provides 3 high-pressure interfaces with the conductor
- Terminals preloaded into housing

Reference Information

Product Specification: PS-40556

Packaging: Tube

Tooling Information: See end of section

UL File No.: E29179

CSA File No.: LR19980

Mates With: 70544, 70546 straight and 70554, 70556 right angle polarized headers

Designed In: Inches

Electrical

Voltage: 250V

Current: 2.0A (for Copper conductors)

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Retention to Housing: 13.34N (3 lb) min.

Mating Force: 2.22N (.50 lb) max.

Unmating Force: 0.28N (.06 lb) min.

Wire Pull-Out Force: 26.69N (6 lb)

Durability: Tin/Lead—25 cycles max.

Gold—50 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: See Table

Operating Temperature: -40 to +105°C

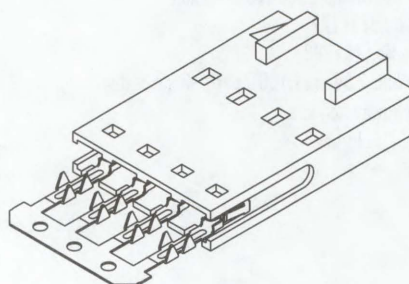


2.54mm (.100") Pitch

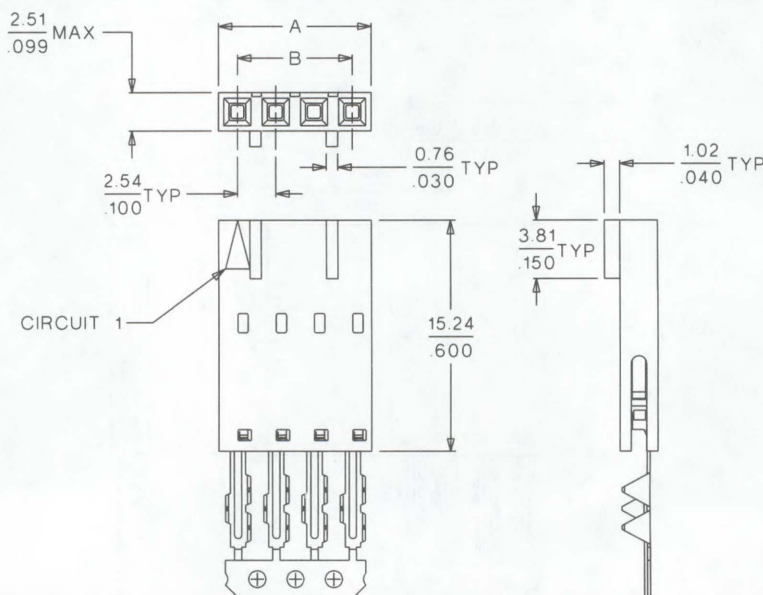
SL™

FFC/FPC Connector

70430

Single Row, Female
Version C

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin/lead	A	B
2	15-47-4021	15-47-4025	15-38-8027	5.05 (.199)	2.54 (.100)
3	15-47-4031	15-47-4035	15-38-8037	7.59 (.299)	5.08 (.200)
4	15-47-4041	15-47-4045	15-38-8047	10.13 (.399)	7.62 (.300)
5	15-47-4051	15-47-4055	15-38-8057	12.67 (.499)	10.16 (.400)
6	15-47-4061	15-47-4065	15-38-8067	15.21 (.599)	12.70 (.500)
7	15-47-4071	15-47-4075	15-38-8077	17.75 (.699)	15.24 (.600)
8	15-47-4081	15-47-4085	15-38-8087	20.29 (.799)	17.78 (.700)
9	15-47-4091	15-47-4095	15-38-8097	22.83 (.899)	20.32 (.800)
10	15-47-4101	15-47-4105	15-38-8107	25.37 (.999)	22.86 (.900)
11	15-47-4111	15-47-4115	15-38-8117	27.91 (1.099)	25.40 (1.000)
12	15-47-4121	15-47-4125	15-38-8127	30.45 (1.199)	27.94 (1.100)
13	15-47-4131	15-47-4135	15-38-8137	32.99 (1.299)	30.48 (1.200)

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin/lead	A	B
14	15-47-4141	15-47-4145	15-38-8147	35.53 (1.399)	33.02 (1.300)
15	15-47-4151	15-47-4155	15-38-8157	38.07 (1.499)	35.56 (1.400)
16	15-47-4161	15-47-4165	15-38-8167	40.61 (1.599)	38.10 (1.500)
17	15-47-4171	15-47-4175	15-38-8177	43.15 (1.699)	40.64 (1.600)
18	15-47-4181	15-47-4185	15-38-8187	45.69 (1.799)	43.18 (1.700)
19	15-47-4191	15-47-4195	15-38-8197	48.23 (1.899)	45.72 (1.800)
20	15-47-4201	15-47-4205	15-38-8207	50.77 (1.999)	48.26 (1.900)
21	15-47-4211	15-47-4215	15-38-8217	53.31 (2.099)	50.80 (2.000)
22	15-47-4221	15-47-4225	15-38-8227	55.85 (2.199)	53.34 (2.100)
23	15-47-4231	15-47-4235	15-38-8237	58.39 (2.299)	55.88 (2.200)
24	15-47-4241	15-47-4245	15-38-8247	60.93 (2.399)	58.42 (2.300)
25	15-47-4251	15-47-4255	15-38-8257	63.47 (2.499)	60.96 (2.400)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 25 circuits
- Stackable end-to-end and back-to-back
- Back polarizing ribs prevent the assembly from drifting within the interim clip when another module is removed
- Piercing crimp provides 3 high-pressure interfaces with the conductor
- Terminals preloaded into housing

Reference Information

Product Specification: PS-40556

Packaging: Tube

Tooling Information: See end of section

UL File No.: E29179

CSA File No.: LR19980

Mates With: 70004 single row and 70013 dual row interim clips

Designed In: Inches

Electrical

Voltage: 250V

Current: 2.0A (for Copper conductors)

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Contact Retention to Housing: 13.34N (3 lb) min.

Mating Force: 2.22N (.50 lb) max.

Unmating Force: 0.28N (.06 lb) min.

Wire Pull-Out Force: 26.69N (6 lb)

Durability: Tin/Lead—25 cycles max.

Gold—50 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: See Table

Operating Temperature: -40 to +105°C



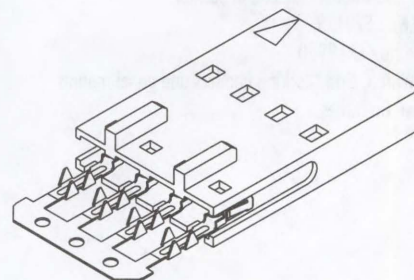
2.54mm (.100") Pitch

SL™

FFC/FPC Connector

70430

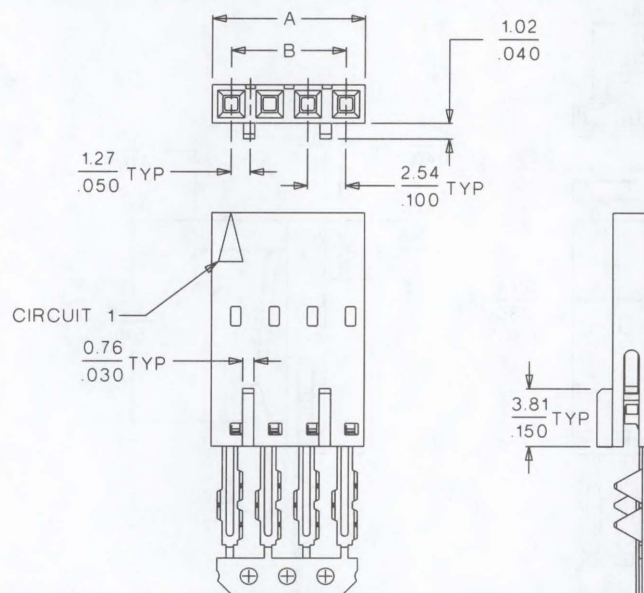
Single Row, Female
Version D



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



Note: The circuit 1 indicator for the 70430D will be superseded by the circuit 1 indicator of the 70004 and 70013 interim clips.

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin	A	B
2	15-47-4022	15-47-4026	15-38-8029	5.05 (.199)	2.54 (.100)
3	15-47-4032	15-47-4036	15-38-8039	7.59 (.299)	5.08 (.200)
4	15-47-4042	15-47-4046	15-38-8049	10.13 (.399)	7.62 (.300)
5	15-47-4052	15-47-4056	15-38-8059	12.67 (.499)	10.16 (.400)
6	15-47-4062	15-47-4066	15-38-8069	15.21 (.599)	12.70 (.500)
7	15-47-4072	15-47-4076	15-38-8079	17.75 (.699)	15.24 (.600)
8	15-47-4082	15-47-4086	15-38-8089	20.29 (.799)	17.78 (.700)
9	15-47-4092	15-47-4096	15-38-8099	22.83 (.899)	20.32 (.800)
10	15-47-4102	15-47-4106	15-38-8109	25.37 (.999)	22.86 (.900)
11	15-47-4112	15-47-4116	15-38-8119	27.91 (1.099)	25.40 (1.000)
12	15-47-4122	15-47-4126	15-38-8129	30.45 (1.199)	27.94 (1.100)
13	15-47-4132	15-47-4136	15-38-8139	32.99 (1.299)	30.48 (1.200)

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin	A	B
14	15-47-4142	15-47-4146	15-38-8149	35.53 (1.399)	33.02 (1.300)
15	15-47-4152	15-47-4156	15-38-8159	38.07 (1.499)	35.56 (1.400)
16	15-47-4162	15-47-4166	15-38-8169	40.61 (1.599)	38.10 (1.500)
17	15-47-4172	15-47-4176	15-38-8179	43.15 (1.699)	40.64 (1.600)
18	15-47-4182	15-47-4186	15-38-8189	45.69 (1.799)	43.18 (1.700)
19	15-47-4192	15-47-4196	15-38-8199	48.23 (1.899)	45.72 (1.800)
20	15-47-4202	15-47-4206	15-38-8209	50.77 (1.999)	48.26 (1.900)
21	15-47-4212	15-47-4216	15-38-8219	53.31 (2.099)	50.80 (2.000)
22	15-47-4222	15-47-4226	15-38-8229	55.85 (2.199)	53.34 (2.100)
23	15-47-4232	15-47-4236	15-38-8239	58.39 (2.299)	55.88 (2.200)
24	15-47-4242	15-47-4246	15-38-8249	60.93 (2.399)	58.42 (2.300)
25	15-47-4252	15-47-4256	15-38-8259	63.47 (2.499)	60.96 (2.400)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 25 circuits
- Positive latch locks connector to header or panel mount
- Piercing crimp provides 3 high-pressure interfaces with the conductor
- Terminals preloaded into housing

Reference Information

Product Specification: PS-40556

Packaging: Tube

Tooling Information: See end of section

UL File No.: E29179

CSA File No.: LR19980

Mates With: C-Grid® locking headers and panel mounts

Designed In: Inches

Electrical

Voltage: 250V

Current: 2.0A (for Copper conductors)

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 M Ω min.

Mechanical

Contact Retention to Housing: 13.34N (3 lb) min.

Mating Force: 2.22N (.50 lb) max.

Unmating Force: 0.28N (.06 lb) min.

Wire Pull-Out Force: 26.69N (6 lb)

Durability: Tin/Lead—25 cycles max.

Gold—50 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Phosphor Bronze

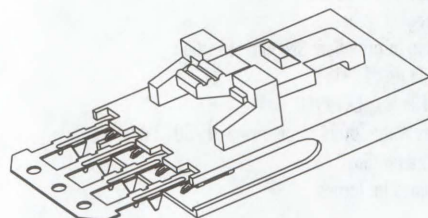
Plating: See Table

Operating Temperature: -40 to +105°C

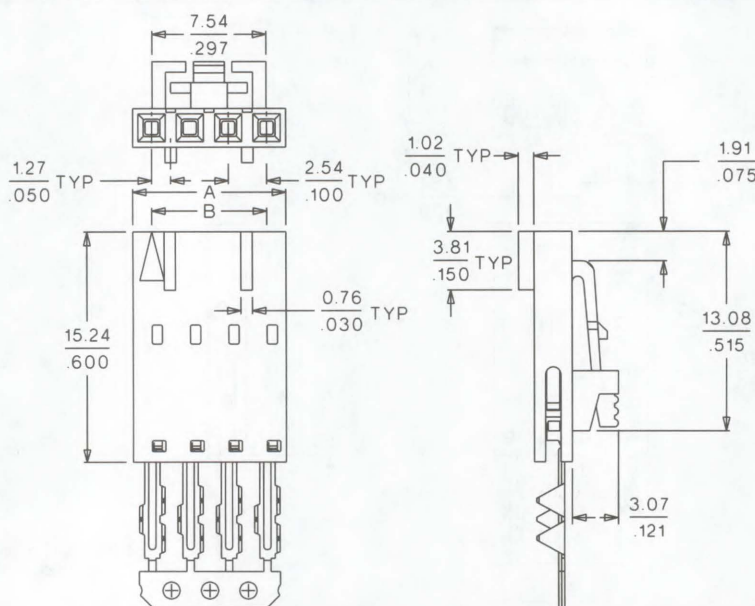
molex® **2.54mm (.100") Pitch**
SL™
FFC/FPC Connector

70430

Single Row, Female Version G



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	15 μ m Gold	30 μ m Gold	150 μ m Tin/Lead	A	B
2	15-47-4023	15-47-4027	15-38-8020	5.05 (.199)	2.54 (.100)
3	15-47-4033	15-47-4037	15-38-8030	7.59 (.299)	5.08 (.200)
4	15-47-4043	15-47-4047	15-38-8040	10.13 (.399)	7.62 (.300)
5	15-47-4053	15-47-4057	15-38-8050	12.67 (.499)	10.16 (.400)
6	15-47-4063	15-47-4067	15-38-8060	15.21 (.599)	12.70 (.500)
7	15-47-4073	15-47-4077	15-38-8070	17.75 (.699)	15.24 (.600)
8	15-47-4083	15-47-4087	15-38-8080	20.29 (.799)	17.78 (.700)
9	15-47-4093	15-47-4097	15-38-8090	22.83 (.899)	20.32 (.800)
10	15-47-4103	15-47-4107	15-38-8100	25.37 (.999)	22.86 (.900)
11	15-47-4113	15-47-4117	15-38-8110	27.91 (1.099)	25.40 (1.000)
12	15-47-4123	15-47-4127	15-38-8120	30.45 (1.199)	27.94 (1.100)
13	15-47-4133	15-47-4137	15-38-8130	32.99 (1.299)	30.48 (1.200)

Circuits	Order No.			Dimension	
	15 μ L ¹ Gold	30 μ L ¹ Gold	150 μ L ¹ Tin/Lead	A	B
14	15-47-4143	15-47-4147	15-38-8140	35.53 (1.399)	33.02 (1.300)
15	15-47-4153	15-47-4157	15-38-8150	38.07 (1.499)	35.56 (1.400)
16	15-47-4163	15-47-4167	15-38-8160	40.61 (1.599)	38.10 (1.500)
17	15-47-4173	15-47-4177	15-38-8170	43.15 (1.699)	40.64 (1.600)
18	15-47-4183	15-47-4187	15-38-8180	45.69 (1.799)	43.18 (1.700)
19	15-47-4193	15-47-4197	15-38-8190	48.23 (1.899)	45.72 (1.800)
20	15-47-4203	15-47-4207	15-38-8200	50.77 (1.999)	48.26 (1.900)
21	15-47-4213	15-47-4217	15-38-8210	53.31 (2.099)	50.80 (2.000)
22	15-47-4223	15-47-4227	15-38-8220	55.85 (2.199)	53.34 (2.100)
23	15-47-4233	15-47-4237	15-38-8230	58.39 (2.299)	55.88 (2.200)
24	15-47-4243	15-47-4247	15-38-8240	60.93 (2.399)	58.42 (2.300)
25	15-47-4253	15-47-4257	15-38-8250	63.47 (2.499)	60.96 (2.400)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 25 circuits
- Stackable end-to-end and back-to-back
- Back ribs prevent movement when used within panel mount housings
- Piercing crimp provides 3 high-pressure interfaces with the conductor
- Terminals preloaded into housing

Reference Information

Product Specification: PS-70431

Packaging: Tube

Tooling Information: See end of section

UL File No.: E29179

CSA File No.: LR19980

Mates With: Female connectors on 2.54mm (.100") pitch and 70018, 70022 and 70104 panel mount housings

Designed In: Inches

Electrical

Voltage: 250V

Current: 2.0A (for Copper conductors)

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 1000 MΩ min.

Mechanical

Wire Pull-Out Force: 26.69N (6 lb)

Mating Force: 2.22N (.50 lb) max.

Unmating Force: 0.28N (.06 lb) min.

Durability: Tin/Lead—25 cycles max.

Gold—50 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Phosphor Bronze

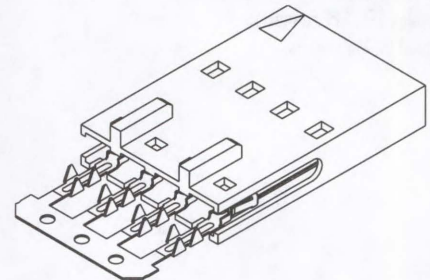
Plating: See Table

Operating Temperature: -40 to +105°C

molex 2.54mm (.100") Pitch
SL™
FFC/FPC Connector

70431

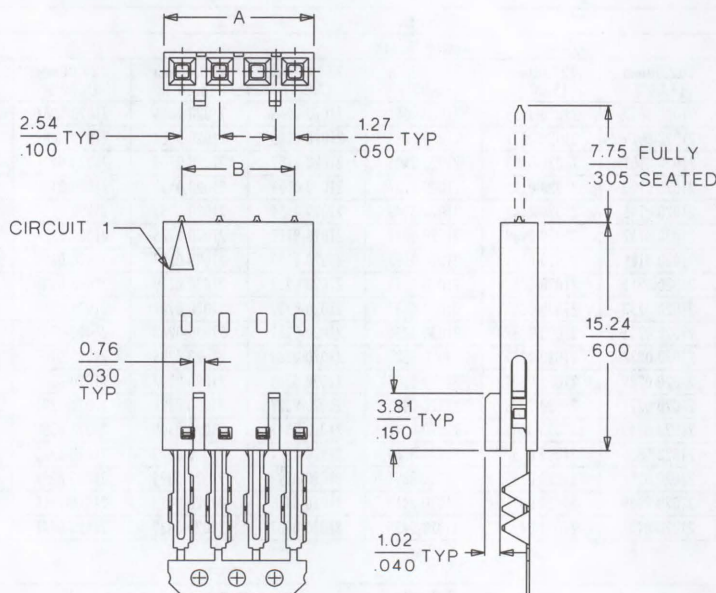
**Single Row, Male
Version D**



FFC/FPC Connectors

G

CATALOG DRAWING (FOR REFERENCE ONLY)



Note: The circuit 1 indicator for the 70430D will be superseded by the circuit 1 indicator of the 70018, 70104 and 70022 panel mount connector.

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin/Lead	A	B
2	15-47-5020	15-47-5024	15-38-9022	5.05 (.199)	2.54 (.100)
3	15-47-5030	15-47-5034	15-38-9032	7.59 (.299)	5.08 (.200)
4	15-47-5040	15-47-5044	15-38-9042	10.13 (.399)	7.62 (.300)
5	15-47-5050	15-47-5054	15-38-9052	12.67 (.499)	10.16 (.400)
6	15-47-5060	15-47-5064	15-38-9062	15.21 (.599)	12.70 (.500)
7	15-47-5070	15-47-5074	15-38-9072	17.75 (.699)	15.24 (.600)
8	15-47-5080	15-47-5084	15-38-9082	20.29 (.799)	17.78 (.700)
9	15-47-5090	15-47-5094	15-38-9092	22.83 (.899)	20.32 (.800)
10	15-47-5100	15-47-5104	15-38-9102	25.37 (.999)	22.86 (.900)
11	15-47-5110	15-47-5114	15-38-9112	27.91 (1.099)	25.40 (1.000)
12	15-47-5120	15-47-5124	15-38-9122	30.45 (1.199)	27.94 (1.100)
13	15-47-5130	15-47-5134	15-38-9132	32.99 (1.299)	30.48 (1.200)

Circuits	Order No.			Dimension	
	15μ" Gold	30μ" Gold	150μ" Tin/Lead	A	B
14	15-47-5140	15-47-5144	15-38-9142	35.53 (1.399)	33.02 (1.300)
15	15-47-5150	15-47-5154	15-38-9152	38.07 (1.499)	35.56 (1.400)
16	15-47-5160	15-47-5164	15-38-9162	40.61 (1.599)	38.10 (1.500)
17	15-47-5170	15-47-5174	15-38-9172	43.15 (1.699)	40.64 (1.600)
18	15-47-5180	15-47-5184	15-38-9182	45.69 (1.799)	43.18 (1.700)
19	15-47-5190	15-47-5194	15-38-9192	48.23 (1.899)	45.72 (1.800)
20	15-47-5200	15-47-5204	15-38-9202	50.77 (1.999)	48.26 (1.900)
21	15-47-5210	15-47-5214	15-38-9212	53.31 (2.099)	50.80 (2.000)
22	15-47-5220	15-47-5224	15-38-9222	55.85 (2.199)	53.34 (2.100)
23	15-47-5230	15-47-5234	15-38-9232	58.39 (2.299)	55.88 (2.200)
24	15-47-5240	15-47-5244	15-38-9242	60.93 (2.399)	58.42 (2.300)
25	15-47-5250	15-47-5254	15-38-9252	63.47 (2.499)	60.96 (2.400)

FEATURES AND SPECIFICATIONS

Molex introduces a complete line of 0.50mm (.020") pitch Flat Flex Cable jumpers. These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors.

Molex 0.50mm (.020") Flat Flex Cable jumpers are available in a wide variety of lengths and circuit sizes. These standard lengths are easy to order and feature shorter lead times.

Reference Information

UL Style No.: 2896
Mates With: Any 0.50mm (.020") Pitch
Molex FFC/FPC connector
Designed In: Millimeters

Electrical

Voltage: 30V
Current: 0.5A

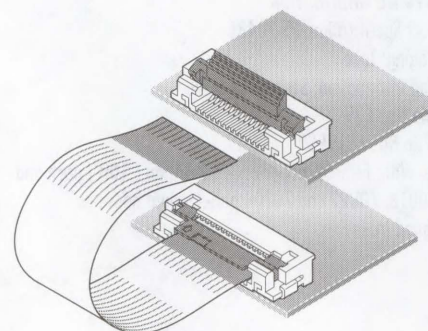
Physical

Strip Length: 4.0mm (.157")
Reinforcement Length: 6.00mm (.236")
Width: (N + 1) 0.50mm
Span: (N - 1) 0.50mm
Margin: 0.35mm (.014")
Conductor Width: 0.30mm (.012")
Conductor Thickness: 0.10mm (.004")
End Thickness: 0.30±0.05mm (.012±.002")
Temperature: -40 to +80°C



0.50mm (.020") Pitch Premo-Flex™ Flat Flex Cable Jumpers

21020 Standard



ORDERING INFORMATION AND DIMENSIONS

Type A* FFC Jumpers — Contacts on same side

Circuits	Order No.										
	Overall Length										
	30.00mm (1.181")	51.00mm (2.00")	76.00mm (3.00")	102.00mm (4.00")	127.00mm (5.00")	152.00mm (6.00")	178.00mm (7.00")	203.00mm (8.00")	229.00mm (9.00")	254.00mm (10.00")	305.00mm (12.00")
6	21020-0051	21020-0053	21020-0055	21020-0057	21020-0059	21020-0061	21020-0063	21020-0065	21020-0067	21020-0069	21020-0071
8	21020-0073	21020-0075	21020-0077	21020-0079	21020-0081	21020-0083	21020-0085	21020-0087	21020-0089	21020-0091	21020-0093
10	21020-0095	21020-0097	21020-0099	21020-0101	21020-0103	21020-0105	21020-0107	21020-0109	21020-0111	21020-0113	21020-0115
12	21020-0117	21020-0119	21020-0121	21020-0123	21020-0125	21020-0127	21020-0129	21020-0131	21020-0133	21020-0135	21020-0137
14	21020-0139	21020-0141	21020-0143	21020-0145	21020-0147	21020-0149	21020-0151	21020-0153	21020-0155	21020-0157	21020-0159
16	21020-0161	21020-0163	21020-0165	21020-0167	21020-0169	21020-0171	21020-0173	21020-0175	21020-0177	21020-0179	21020-0181
18	21020-0183	21020-0185	21020-0187	21020-0189	21020-0191	21020-0193	21020-0195	21020-0197	21020-0199	21020-0201	21020-0203
20	21020-0205	21020-0207	21020-0209	21020-0211	21020-0213	21020-0215	21020-0217	21020-0219	21020-0221	21020-0223	21020-0225
22	21020-0227	21020-0229	21020-0231	21020-0233	21020-0235	21020-0237	21020-0239	21020-0241	21020-0243	21020-0245	21020-0247
24	21020-0249	21020-0251	21020-0253	21020-0255	21020-0257	21020-0259	21020-0261	21020-0263	21020-0265	21020-0267	21020-0269
26	21020-0271	21020-0273	21020-0275	21020-0277	21020-0279	21020-0281	21020-0283	21020-0285	21020-0287	21020-0289	21020-0291
28	21020-0293	21020-0295	21020-0297	21020-0299	21020-0301	21020-0303	21020-0305	21020-0307	21020-0309	21020-0311	21020-0313
30	21020-0315	21020-0317	21020-0319	21020-0321	21020-0323	21020-0325	21020-0327	21020-0329	21020-0331	21020-0333	21020-0335
32	21020-0337	21020-0339	21020-0341	21020-0343	21020-0345	21020-0347	21020-0349	21020-0351	21020-0353	21020-0355	21020-0357
34	21020-0359	21020-0361	21020-0363	21020-0365	21020-0367	21020-0369	21020-0371	21020-0373	21020-0375	21020-0377	21020-0379
36	21020-0381	21020-0383	21020-0385	21020-0387	21020-0389	21020-0391	21020-0393	21020-0395	21020-0397	21020-0399	21020-0401
38	21020-0403	21020-0405	21020-0407	21020-0409	21020-0411	21020-0413	21020-0415	21020-0417	21020-0419	21020-0421	21020-0423
40	21020-0425	21020-0427	21020-0429	21020-0431	21020-0433	21020-0435	21020-0437	21020-0439	21020-0441	21020-0443	21020-0445

Type D* FFC Jumpers — Contacts on opposite sides

Circuits	Order No.										
	Overall Length										
	30.00mm (1.181")	51.00mm (2.00")	76.00mm (3.00")	102.00mm (4.00")	127.00mm (5.00")	152.00mm (6.00")	178.00mm (7.00")	203.00mm (8.00")	229.00mm (9.00")	254.00mm (10.00")	305.00mm (12.00")
6	21020-0052	21020-0054	21020-0056	21020-0058	21020-0060	21020-0062	21020-0064	21020-0066	21020-0068	21020-0070	21020-0072
8	21020-0074	21020-0076	21020-0078	21020-0080	21020-0082	21020-0084	21020-0086	21020-0088	21020-0090	21020-0092	21020-0094
10	21020-0096	21020-0098	21020-0100	21020-0102	21020-0104	21020-0106	21020-0108	21020-0110	21020-0112	21020-0114	21020-0116
12	21020-0118	21020-0120	21020-0122	21020-0124	21020-0126	21020-0128	21020-0130	21020-0132	21020-0134	21020-0136	21020-0138
14	21020-0140	21020-0142	21020-0144	21020-0146	21020-0148	21020-0150	21020-0152	21020-0154	21020-0156	21020-0158	21020-0160
16	21020-0162	21020-0164	21020-0166	21020-0168	21020-0170	21020-0172	21020-0174	21020-0176	21020-0178	21020-0180	21020-0182
18	21020-0184	21020-0186	21020-0188	21020-0190	21020-0192	21020-0194	21020-0196	21020-0198	21020-0200	21020-0202	21020-0204
20	21020-0206	21020-0208	21020-0210	21020-0212	21020-0214	21020-0216	21020-0218	21020-0220	21020-0222	21020-0224	21020-0226
22	21020-0228	21020-0230	21020-0232	21020-0234	21020-0236	21020-0238	21020-0240	21020-0242	21020-0244	21020-0246	21020-0248
24	21020-0250	21020-0252	21020-0254	21020-0256	21020-0258	21020-0260	21020-0262	21020-0264	21020-0266	21020-0268	21020-0270
26	21020-0272	21020-0274	21020-0276	21020-0278	21020-0280	21020-0282	21020-0284	21020-0286	21020-0288	21020-0290	21020-0292
28	21020-0294	21020-0296	21020-0298	21020-0300	21020-0302	21020-0304	21020-0306	21020-0308	21020-0310	21020-0312	21020-0314
30	21020-0316	21020-0318	21020-0320	21020-0322	21020-0324	21020-0326	21020-0328	21020-0330	21020-0332	21020-0334	21020-0336
32	21020-0338	21020-0340	21020-0342	21020-0344	21020-0346	21020-0348	21020-0350	21020-0352	21020-0354	21020-0356	21020-0358
34	21020-0360	21020-0362	21020-0364	21020-0366	21020-0368	21020-0370	21020-0372	21020-0374	21020-0376	21020-0378	21020-0380
36	21020-0382	21020-0384	21020-0386	21020-0388	21020-0390	21020-0392	21020-0394	21020-0396	21020-0398	21020-0400	21020-0402
38	21020-0404	21020-0406	21020-0408	21020-0410	21020-0412	21020-0414	21020-0416	21020-0418	21020-0420	21020-0422	21020-0424
40	21020-0426	21020-0428	21020-0430	21020-0432	21020-0434	21020-0436	21020-0438	21020-0440	21020-0442	21020-0444	21020-0446

* For Premo-Flex, Types A, D, E and F denote various stripping and contact pad orientation options for FFC only. On the FFC/FPC Cable Specifications pages, Types A, D, E and F denote recommended contact pad layouts for FFCs and FPCs of various pitches.

FEATURES AND SPECIFICATIONS

Molex introduces a complete line of 1.00mm (.039") pitch Flat Flex Cable jumpers. These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors.

Molex 1.00mm (.039") Flat Flex Cable jumpers are available in a wide variety of lengths and circuit sizes. These standard lengths are easy to order and feature shorter lead times.

Reference Information

UL Style No.: 2896

Mates With: Any 1.00mm (.039") Pitch

Molex FFC/FPC connector

Designed In: Millimeters

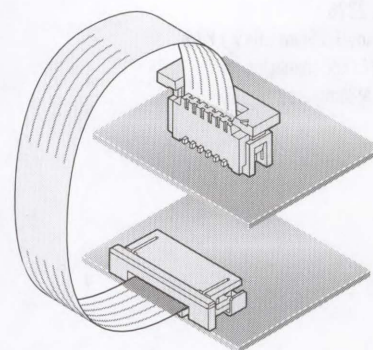
Electrical
Voltage: 30V
Current: 1.2A

Physical
Strip Length: 4.0mm (.157")
Reinforcement Length: 8.00mm (.315")
Width: (N + 1) 1.00mm
Span: (N - 1) 1.00mm
Margin: 0.65mm (.026")
Conductor Width: 0.70mm (.028")
Conductor Thickness: 0.10mm (.004")
End Thickness: 0.30±0.05mm (.012±.002")
Temperature: -40 to +80°C



1.00mm (.039") Pitch Premo-Flex™ Flat Flex Cable Jumpers

**21039
Standard**



ORDERING INFORMATION AND DIMENSIONS

Type A* FFC Jumpers — Contacts on same side

Circuits	Order No.										
	Overall Length										
	30.00mm (1.181")	51.00mm (2.00")	76.00mm (3.00")	102.00mm (4.00")	127.00mm (5.00")	152.00mm (6.00")	178.00mm (7.00")	203.00mm (8.00")	229.00mm (9.00")	254.00mm (10.00")	305.00mm (12.00")
6	21039-0201	21039-0203	21039-0205	21039-0207	21039-0209	21039-0211	21039-0213	21039-0215	21039-0217	21039-0219	21039-0221
8	21039-0223	21039-0225	21039-0227	21039-0229	21039-0231	21039-0233	21039-0235	21039-0237	21039-0239	21039-0241	21039-0243
10	21039-0245	21039-0247	21039-0249	21039-0251	21039-0253	21039-0255	21039-0257	21039-0259	21039-0261	21039-0263	21039-0265
12	21039-0267	21039-0269	21039-0271	21039-0273	21039-0275	21039-0277	21039-0279	21039-0281	21039-0283	21039-0285	21039-0287
14	21039-0289	21039-0291	21039-0293	21039-0295	21039-0297	21039-0299	21039-0301	21039-0303	21039-0305	21039-0307	21039-0309
16	21039-0311	21039-0313	21039-0315	21039-0317	21039-0319	21039-0321	21039-0323	21039-0325	21039-0327	21039-0329	21039-0331
18	21039-0333	21039-0335	21039-0337	21039-0339	21039-0341	21039-0343	21039-0345	21039-0347	21039-0349	21039-0351	21039-0353
20	21039-0355	21039-0357	21039-0359	21039-0361	21039-0363	21039-0365	21039-0367	21039-0369	21039-0371	21039-0373	21039-0375
22	21039-0377	21039-0379	21039-0381	21039-0383	21039-0385	21039-0387	21039-0389	21039-0391	21039-0393	21039-0395	21039-0397
24	21039-0399	21039-0401	21039-0403	21039-0405	21039-0407	21039-0409	21039-0411	21039-0413	21039-0415	21039-0417	21039-0419
26	21039-0421	21039-0423	21039-0425	21039-0427	21039-0429	21039-0431	21039-0433	21039-0435	21039-0437	21039-0439	21039-0441
28	21039-0443	21039-0445	21039-0447	21039-0449	21039-0451	21039-0453	21039-0455	21039-0457	21039-0459	21039-0461	21039-0463
30	21039-0465	21039-0467	21039-0469	21039-0471	21039-0473	21039-0475	21039-0477	21039-0479	21039-0481	21039-0483	21039-0485
32	21039-0487	21039-0489	21039-0491	21039-0493	21039-0495	21039-0497	21039-0499	21039-0501	21039-0503	21039-0505	21039-0507
34	21039-0509	21039-0511	21039-0513	21039-0515	21039-0517	21039-0519	21039-0521	21039-0523	21039-0525	21039-0527	21039-0529
36	21039-0531	21039-0533	21039-0535	21039-0537	21039-0539	21039-0541	21039-0543	21039-0545	21039-0547	21039-0549	21039-0551
38	21039-0553	21039-0555	21039-0557	21039-0559	21039-0561	21039-0563	21039-0565	21039-0567	21039-0569	21039-0571	21039-0573
40	21039-0575	21039-0577	21039-0579	21039-0581	21039-0583	21039-0585	21039-0587	21039-0589	21039-0591	21039-0593	21039-0595

Type D* FFC Jumpers — Contacts on opposite sides

Circuits	Order No.										
	Overall Length										
	30.00mm (1.181")	51.00mm (2.00")	76.00mm (3.00")	102.00mm (4.00")	127.00mm (5.00")	152.00mm (6.00")	178.00mm (7.00")	203.00mm (8.00")	229.00mm (9.00")	254.00mm (10.00")	305.00mm (12.00")
6	21039-0202	21039-0204	21039-0206	21039-0208	21039-0210	21039-0212	21039-0214	21039-0216	21039-0218	21039-0220	21039-0222
8	21039-0224	21039-0226	21039-0228	21039-0230	21039-0232	21039-0234	21039-0236	21039-0238	21039-0240	21039-0242	21039-0244
10	21039-0246	21039-0248	21039-0250	21039-0252	21039-0254	21039-0256	21039-0258	21039-0260	21039-0262	21039-0264	21039-0266
12	21039-0268	21039-0270	21039-0272	21039-0274	21039-0276	21039-0278	21039-0280	21039-0282	21039-0284	21039-0286	21039-0288
14	21039-0290	21039-0292	21039-0294	21039-0296	21039-0298	21039-0300	21039-0302	21039-0304	21039-0306	21039-0308	21039-0310
16	21039-0312	21039-0314	21039-0316	21039-0318	21039-0320	21039-0322	21039-0324	21039-0326	21039-0328	21039-0330	21039-0332
18	21039-0334	21039-0336	21039-0338	21039-0340	21039-0342	21039-0344	21039-0346	21039-0348	21039-0350	21039-0352	21039-0354
20	21039-0356	21039-0358	21039-0360	21039-0362	21039-0364	21039-0366	21039-0368	21039-0370	21039-0372	21039-0374	21039-0376
22	21039-0378	21039-0380	21039-0382	21039-0384	21039-0386	21039-0388	21039-0390	21039-0392	21039-0394	21039-0396	21039-0398
24	21039-0400	21039-0402	21039-0404	21039-0406	21039-0408	21039-0410	21039-0412	21039-0414	21039-0416	21039-0418	21039-0420
26	21039-0422	21039-0424	21039-0426	21039-0428	21039-0430	21039-0432	21039-0434	21039-0436	21039-0438	21039-0440	21039-0442
28	21039-0444	21039-0446	21039-0448	21039-0450	21039-0452	21039-0454	21039-0456	21039-0458	21039-0460	21039-0462	21039-0464
30	21039-0466	21039-0468	21039-0470	21039-0472	21039-0474	21039-0476	21039-0478	21039-0480	21039-0482	21039-0484	21039-0486
32	21039-0488	21039-0490	21039-0492	21039-0494	21039-0496	21039-0498	21039-0500	21039-0502	21039-0504	21039-0506	21039-0508
34	21039-0510	21039-0512	21039-0514	21039-0516	21039-0518	21039-0520	21039-0522	21039-0524	21039-0526	21039-0528	21039-0530
36	21039-0532	21039-0534	21039-0536	21039-0538	21039-0540	21039-0542	21039-0544	21039-0546	21039-0548	21039-0550	21039-0552
38	21039-0554	21039-0556	21039-0558	21039-0560	21039-0562	21039-0564	21039-0566	21039-0568	21039-0570	21039-0572	21039-0574
40	21039-0576	21039-0578	21039-0580	21039-0582	21039-0584	21039-0586	21039-0588	21039-0590	21039-0592	21039-0594	21039-0596

* For Premo-Flex, Types A, D, E and F denote various stripping and contact pad orientation options for FFC only. On the FFC/FPC Cable Specifications pages, Types A, D, E and F denote recommended contact pad layouts for FFCs and FPCs of various pitches.

FFC/FPC Connectors

G

FEATURES AND SPECIFICATIONS

Molex introduces a complete line of 1.25mm (.049") pitch Flat Flex Cable jumpers. These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors.

Molex 1.25mm (.049") Flat Flex Cable jumpers are available in a wide variety of lengths and circuit sizes. These standard lengths are easy to order and feature shorter lead times.

Reference Information

UL Style No.: 2896

Mates With: Any 1.25mm (.049") Pitch

Molex FFC/FPC connector

Designed In: Millimeters

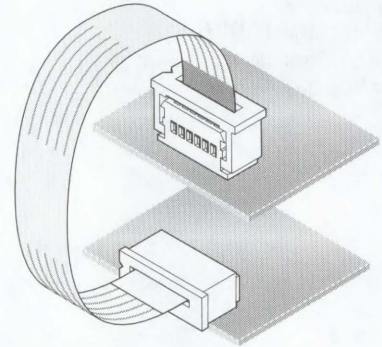
Electrical
Voltage: 30V
Current: 1.2A

Physical
Strip Length: 5.0mm (.197")
Reinforcement Length: 10.00mm (.394")
Width: (N + 1) 1.25mm
Span: (N - 1) 1.25mm
Margin: 0.85mm (.033")
Conductor Width: 0.80mm (.031")
Conductor Thickness: 0.10mm (.004")
End Thickness: 0.30±0.05mm (.012±.002")
Temperature: -40 to +80°C



1.25mm (.049") Pitch Premo-Flex™ Flat Flex Cable Jumpers

21049
Standard



ORDERING INFORMATION AND DIMENSIONS

Type A* FFC Jumpers—Contacts on same side

Circuits	Order No. Overall Length										
	30.00mm (1.81")	51.00mm (2.00")	76.00mm (3.00")	102.00mm (4.00")	127.00mm (5.00")	152.00mm (6.00")	178.00mm (7.00")	203.00mm (8.00")	229.00mm (9.00")	254.00mm (10.00")	305.00mm (12.00")
6	21049-0101	21049-0103	21049-0105	21049-0107	21049-0109	21049-0111	21049-0113	21049-0115	21049-0117	21049-0119	21049-0121
8	21049-0123	21049-0125	21049-0127	21049-0129	21049-0131	21049-0133	21049-0135	21049-0137	21049-0139	21049-0141	21049-0143
10	21049-0145	21049-0147	21049-0149	21049-0151	21049-0153	21049-0155	21049-0157	21049-0159	21049-0161	21049-0163	21049-0165
12	21049-0167	21049-0169	21049-0171	21049-0173	21049-0175	21049-0177	21049-0179	21049-0181	21049-0183	21049-0185	21049-0187
14	21049-0189	21049-0191	21049-0193	21049-0195	21049-0197	21049-0199	21049-0201	21049-0203	21049-0205	21049-0207	21049-0209
16	21049-0211	21049-0213	21049-0215	21049-0217	21049-0219	21049-0221	21049-0223	21049-0225	21049-0227	21049-0229	21049-0231
18	21049-0233	21049-0235	21049-0237	21049-0239	21049-0241	21049-0243	21049-0245	21049-0247	21049-0249	21049-0251	21049-0253
20	21049-0255	21049-0257	21049-0259	21049-0261	21049-0263	21049-0265	21049-0267	21049-0269	21049-0271	21049-0273	21049-0275
22	21049-0277	21049-0279	21049-0281	21049-0283	21049-0285	21049-0287	21049-0289	21049-0291	21049-0293	21049-0295	21049-0297
24	21049-0299	21049-0301	21049-0303	21049-0305	21049-0307	21049-0309	21049-0311	21049-0313	21049-0315	21049-0317	21049-0319
26	21049-0321	21049-0323	21049-0325	21049-0327	21049-0329	21049-0331	21049-0333	21049-0335	21049-0337	21049-0339	21049-0341
28	21049-0343	21049-0345	21049-0347	21049-0349	21049-0351	21049-0353	21049-0355	21049-0357	21049-0359	21049-0361	21049-0363
30	21049-0365	21049-0367	21049-0369	21049-0371	21049-0373	21049-0375	21049-0377	21049-0379	21049-0381	21049-0383	21049-0385
32	21049-0387	21049-0389	21049-0391	21049-0393	21049-0395	21049-0397	21049-0399	21049-0401	21049-0403	21049-0405	21049-0407
34	21049-0409	21049-0411	21049-0413	21049-0415	21049-0417	21049-0419	21049-0421	21049-0423	21049-0425	21049-0427	21049-0429
36	21049-0431	21049-0433	21049-0435	21049-0437	21049-0439	21049-0441	21049-0443	21049-0445	21049-0447	21049-0449	21049-0451
38	21049-0453	21049-0455	21049-0457	21049-0459	21049-0461	21049-0463	21049-0465	21049-0467	21049-0469	21049-0471	21049-0473
40	21049-0475	21049-0477	21049-0479	21049-0481	21049-0483	21049-0485	21049-0487	21049-0489	21049-0491	21049-0493	21049-0495

Type D* FFC Jumpers—Contacts on opposite sides

Circuits	Order No. Overall Length										
	30.00mm (1.81")	51.00mm (2.00")	76.00mm (3.00")	102.00mm (4.00")	127.00mm (5.00")	152.00mm (6.00")	178.00mm (7.00")	203.00mm (8.00")	229.00mm (9.00")	254.00mm (10.00")	305.00mm (12.00")
6	21049-0102	21049-0104	21049-0106	21049-0108	21049-0110	21049-0112	21049-0114	21049-0116	21049-0118	21049-0120	21049-0122
8	21049-0124	21049-0126	21049-0128	21049-0130	21049-0132	21049-0134	21049-0136	21049-0138	21049-0140	21049-0142	21049-0144
10	21049-0146	21049-0148	21049-0150	21049-0152	21049-0154	21049-0156	21049-0158	21049-0160	21049-0162	21049-0164	21049-0166
12	21049-0168	21049-0170	21049-0172	21049-0174	21049-0176	21049-0178	21049-0180	21049-0182	21049-0184	21049-0186	21049-0188
14	21049-0190	21049-0192	21049-0194	21049-0196	21049-0198	21049-0200	21049-0202	21049-0204	21049-0206	21049-0208	21049-0210
16	21049-0212	21049-0214	21049-0216	21049-0218	21049-0220	21049-0222	21049-0224	21049-0226	21049-0228	21049-0230	21049-0232
18	21049-0234	21049-0236	21049-0238	21049-0240	21049-0242	21049-0244	21049-0246	21049-0248	21049-0250	21049-0252	21049-0254
20	21049-0256	21049-0258	21049-0260	21049-0262	21049-0264	21049-0266	21049-0268	21049-0270	21049-0272	21049-0274	21049-0276
22	21049-0278	21049-0280	21049-0282	21049-0284	21049-0286	21049-0288	21049-0290	21049-0292	21049-0294	21049-0296	21049-0298
24	21049-0300	21049-0302	21049-0304	21049-0306	21049-0308	21049-0310	21049-0312	21049-0314	21049-0316	21049-0318	21049-0320
26	21049-0322	21049-0324	21049-0326	21049-0328	21049-0330	21049-0332	21049-0334	21049-0336	21049-0338	21049-0340	21049-0342
28	21049-0344	21049-0346	21049-0348	21049-0350	21049-0352	21049-0354	21049-0356	21049-0358	21049-0360	21049-0362	21049-0364
30	21049-0366	21049-0368	21049-0370	21049-0372	21049-0374	21049-0376	21049-0378	21049-0380	21049-0382	21049-0384	21049-0386
32	21049-0388	21049-0390	21049-0392	21049-0394	21049-0396	21049-0398	21049-0400	21049-0402	21049-0404	21049-0406	21049-0408
34	21049-0410	21049-0412	21049-0414	21049-0416	21049-0418	21049-0420	21049-0422	21049-0424	21049-0426	21049-0428	21049-0430
36	21049-0432	21049-0434	21049-0436	21049-0438	21049-0440	21049-0442	21049-0444	21049-0446	21049-0448	21049-0450	21049-0452
38	21049-0454	21049-0456	21049-0458	21049-0460	21049-0462	21049-0464	21049-0466	21049-0468	21049-0470	21049-0472	21049-0474
40	21049-0476	21049-0478	21049-0480	21049-0482	21049-0484	21049-0486	21049-0488	21049-0490	21049-0492	21049-0494	21049-0496

* For Premo-Flex, Types A, D, E and F denote various stripping and contact pad orientation options for FFC only. On the FFC/FPC Cable Specifications pages, Types A, D, E and F denote recommended contact pad layouts for FFCs and FPCs of various pitches.



Premo-Flex™ Flat Flex Cable Jumpers

Custom

When disconnects are required and size is critical, Molex Flat Flex Cable (FFC) Jumpers* used with Molex ZIF and LIF Connectors provide an easy-to-use solution! Molex FFC Jumpers are available in 0.50, 1.00 and 1.25mm (.020, .039 and .049") pitch.

Type A and D†

Number of Conductors: 6 to 50 on 0.50mm (.020") pitch
4 to 30 on 1.00mm (.039") pitch
3 to 40 on 1.25mm (.049") pitch
Minimum Length: 30.00mm (1.181")

Type E and F†

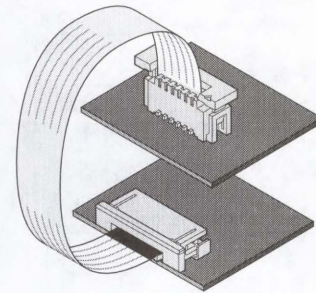
Number of Conductors: 13 to 50 on 0.50mm (.020") pitch
6 to 29 on 1.00mm (.039") pitch
5 to 23 on 1.25mm (.049") pitch

L Style

UL Style No.: 2896
Operating Temperature: -40 to +80°C
Voltage: 30V

H Style

UL Style No.: 0.50 and 1.00mm (.020 and .039")—20706
1.25mm (.049")—20566
Voltage: 0.50mm (.020")—60V AC
1.00mm (.039")—60V AC
1.25mm (.049")—90V AC
Operating Temperature: -40 to +105°C



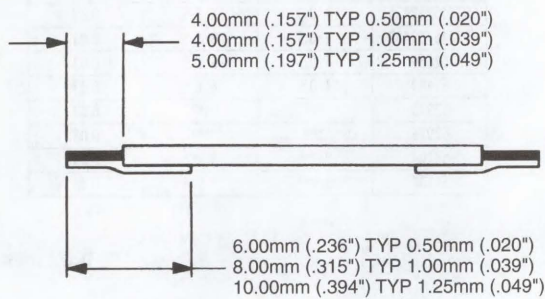
FFC/FPC Connectors

G

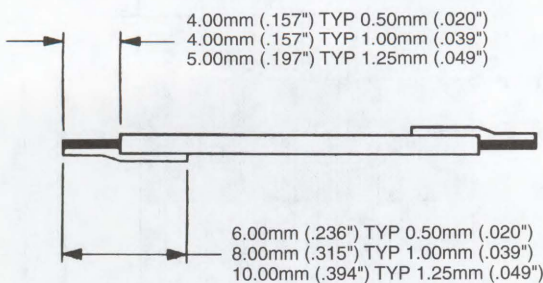
CATALOG DRAWING (FOR REFERENCE ONLY)

Available only in the US

Type A and D: Used with FFC/FPC connectors

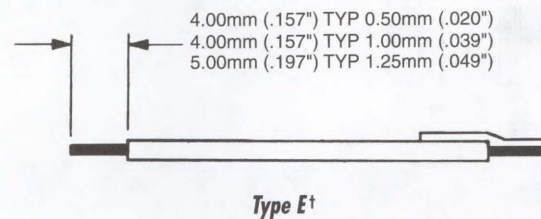


Type A†



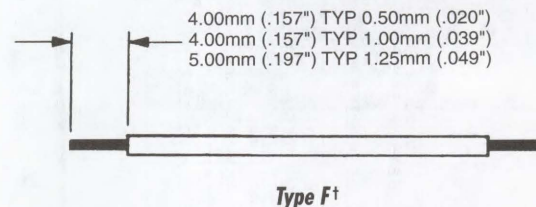
Type D†

Type E: Strip and retain one end. Used when using a connector on one end and soldering the other end directly to the PCB.



Type E†

Type F: Strip and retain both ends. Used when soldering both jumper ends directly to the PCB.



Type F†

* Each application for an FFC jumper is unique. Please contact Molex for custom part numbers and ordering information.

† For Premo-Flex, Types A, D, E and F denote various stripping and contact pad orientation options for FFC only. On the FFC/FPC Cable Specifications pages, Types A, D, E and F denote recommended contact pad layouts for FFCs and FPCs of various pitches.

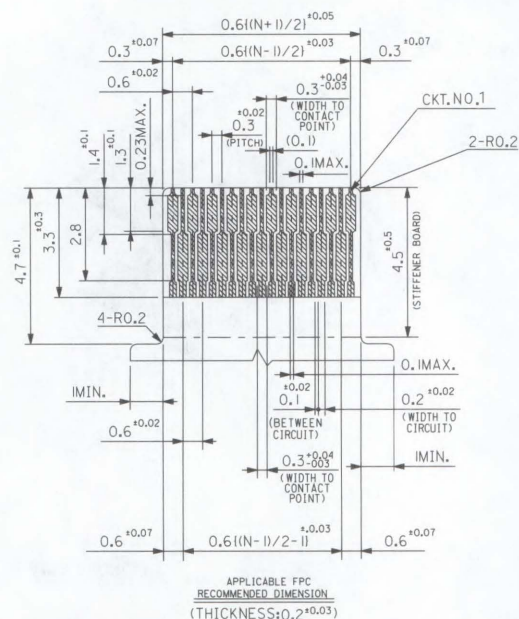
CATALOG DRAWING (FOR REFERENCE ONLY)

* For Premo-Flex, Types A, D, E and F denote various stripping and contact pad orientation options for FFC only. On the FFC/FPC Cable Specifications pages, Types A, D, E and F denote recommended contact pad layouts for FFCs and FPCs of various pitches.



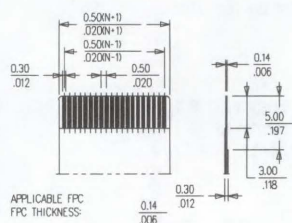
TYPE: A*

0.30mm Pitch



TYPE: B

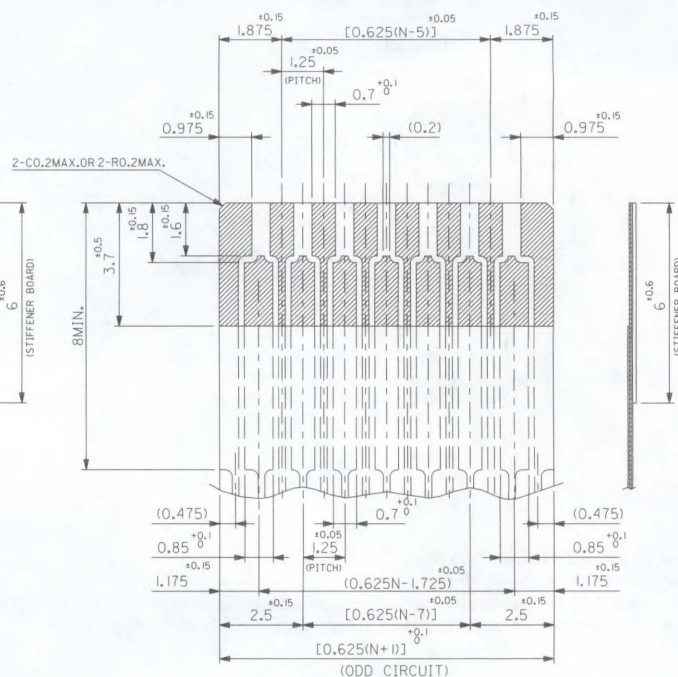
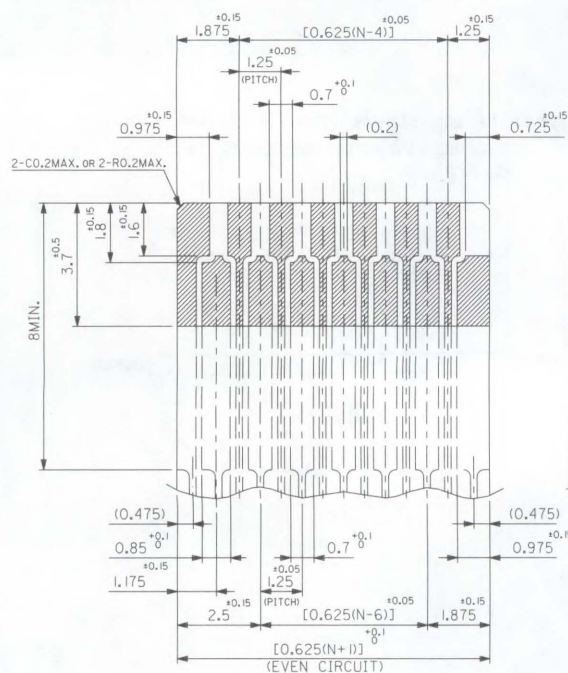
0.50mm Pitch



Series No.
35854
35863

TYPE: D*

0.625mm Pitch



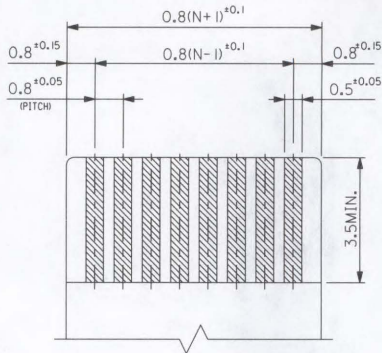
RECOMMENDED APPLICABLE
FPC LAYOUT
(THICKNESS : 0.2 ± 0.05)

CATALOG DRAWING (FOR REFERENCE ONLY)

* For Premo-Flex, Types A, D, E and F denote various stripping and contact pad orientation options for FFC only. On the FFC/FPC Cable Specifications pages, Types A, D, E and F denote recommended contact pad layouts for FFCs and FPCs of various pitches.

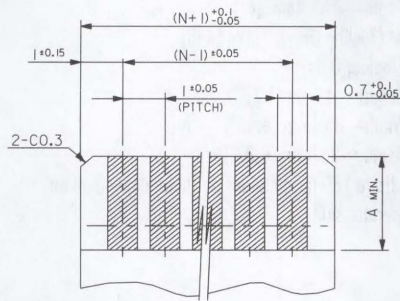
molex® FFC/FPC Cable Specifications

TYPE: E* 0.80mm Pitch

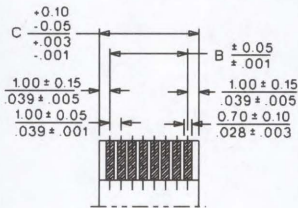


APPLICABLE RECOMMENDED
FFC/FPC LAYOUT
(THICKNESS : 0.3±0.05)

TYPE: F* 1.00mm Pitch



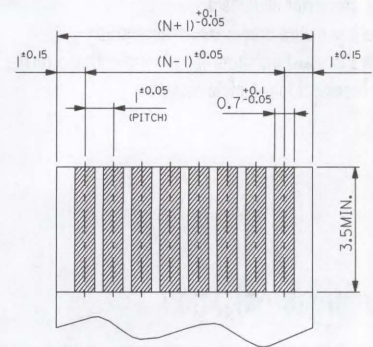
APPLICABLE RECOMMENDED
FFC/FPC LAYOUT
(THICKNESS : 0.3±0.05)



APPLICABLE FPC
RECOMMENDED FPC THICKNESS: 0.30±0.03
0.12±0.001

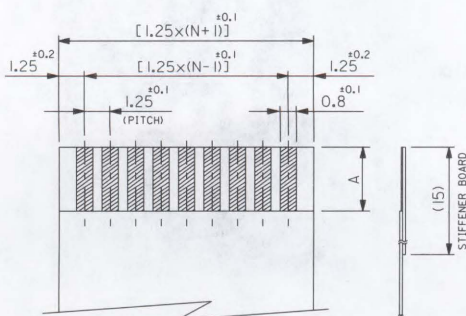
Order No.	Dimension A
52207	2.7
71220	2.7
52271	2.7
52610	2.7
52030	2.7
71226	2.7
52043	2.7
52089	2.7

TYPE: G 1.00mm Pitch



APPLICABLE RECOMMENDED
FFC/FPC LAYOUT
(THICKNESS : 0.3±0.03)

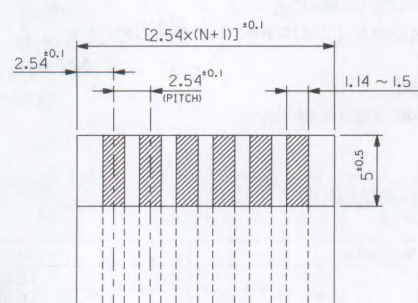
TYPE: H 1.25mm Pitch



APPLICABLE RECOMMENDED
FFC/FPC LAYOUT
(THICKNESS : 0.3±0.05)

Order No.	Dimension A
5597-NAPB	4.0±0.5
5597-NCPB	4.0±0.5
52044	5.5MIN
52045	5.5MIN
52492	4.5MIN

TYPE: I 2.54mm Pitch



APPLICABLE RECOMMENDED
FFC LAYOUT
(THICKNESS : 0.3±0.1)

FFC/FPC Connectors

G

FEATURES AND SPECIFICATIONS

Features

- Adjustable for 2 to 16 circuits for all connector styles
- Tool kit installs in all 11-31-6356 Molex standard presses
- Full-cycle ratchet assures quality termination
- Adjustable cable guides and stop for repeatable cable/connector alignment
- Feature to assure proper connector position
- Feature to assist with insertion of terminals and carrier strip break-off to complete assembly

Specifications

Weight (With Press): 24.1kg (53 lb)

Size (With Press):

Height—498mm (19.6")

Width—269mm (10.6")

Depth—152.4mm (6")

Weight (Tooling Only): 1.8kg (4 lb)

Size (Tooling Only):

Height—45mm (1.77")

Width—114mm (4.48")

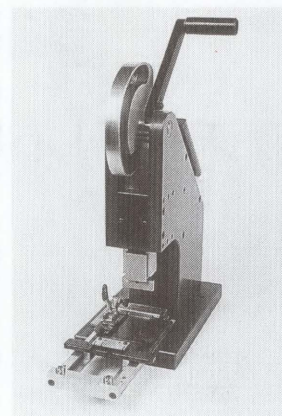
Depth—237mm (9.33")

Rate: Up to 180 terminations per hour, dependent on operator skill

ORDERING INFORMATION

Description	Order No.
Tool Kit with Molex Manual Standard Press	62200-7800
Tool Kit for Molex Manual Standard Press	62200-7400
Molex Manual Standard Press	11-31-6356

molex® Application Tooling

Manual Standard Press
Tool Kit for FFC and FPC
Connectors

FEATURES AND SPECIFICATIONS

Features

- Adjustable for 2 to 16 circuits for all connector styles
- Tool kit installs in all TM42 presses*
- Press may be easily converted back to standard crimp mode
- Adjustable cable guides and stop for repeatable cable/connector alignment
- Feature to assure proper connector position
- Feature to assist with insertion of terminals and carrier strip break-off to complete assembly
- Adjustable cable guides and stop for repeatable cable/connector alignment
- New guard included
- Powered press reduces operator fatigue

Specifications

Weight (With Press): 100kg (220 lb)

Size (With Press):

Height—1150mm (45")

Width—540mm (21.2")

Depth—330mm (13")

Weight (Tooling Only): 1.8kg (4 lb)

Size (Tooling Only):

Height—45mm (1.77")

Width—114mm (4.48")

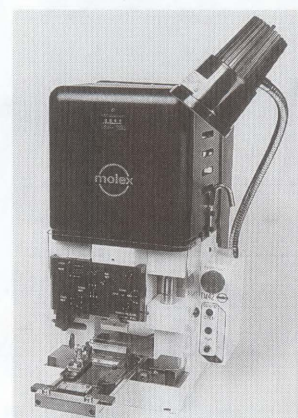
Depth—237mm (9.33")

Rate: Up to 240 terminations per hour, dependent on operator skill

ORDERING INFORMATION

Description	Order No.
Tool Kit with TM42 Press	62200-7900
Tool Kit for TM42 Press	62200-7700
TM42 Press	69002-5001

*Not adaptable to Model TM40 presses

Semi-Automatic TM42 Press
for FFC and FPC Connectors

FEATURES AND SPECIFICATIONS

Features

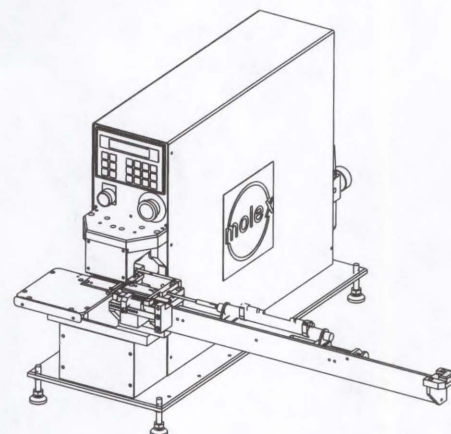
- Can be used with flat flexible cable and pre-notched ribbon cable, allowing for production flexibility and lowering overall cost
- Automatic loading of connectors from tube packaging, reducing operator handling and increasing production output
- Operator interface keypad for data entry, such as setting batch size or displaying an operator fault message, to help ensure proper operation
- Automatic carrier strip breakoff available, which can be factory ordered or field installed and will reduce operator's handling of product
- Meets OSHA safety requirements and is totally enclosed for operator safety
- Available in 220V and has been CE certified for use in Europe

Specifications

Voltage: 110/220 VAC, 50/60 Hz, 1.0A
 Size: Width—945mm (37.25")
 Depth—914mm (36")
 Height—494mm (19.50") (without feet)
 Weight: 48.10kg (103 lb) (unpacked)
 Pneumatics: 5 BAR (80psig) at 14L per minute (0.5 CFM)
 Rate: 750 connectors per hour, dependent on operator skill.
 Up to 950 connectors per hour with special order magazine tube loader. Consult factory for more information.

molex® Application Tooling

Flat Flexible Cable Machine



FFC/FPC Connectors

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ORDERING INFORMATION

Description	Order No.	For Use With	Voltage/Hz
FFC Terminator	62300-2900	70430, 70431, 40556	110/220V AC 50/60 Hz
FFC Terminator with Breakoff	62300-5200	70430, 70431, 40556	110/220V AC 50/60 Hz
FFC Tooling required for changeover from ribbon cable	62300-5100	70430, 70431, 40556	110/220V AC 50/60 Hz

FEATURES AND SPECIFICATIONS

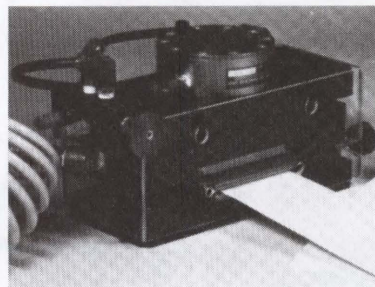
Features

- Punches 3 slots at each cycle
- Adjustable punch locations
- Adjustable edge guide
- Processes FFC/FPC cable or switch tails

Specifications

Size: Width—203mm (8")
 Depth—102mm (4")
 Height—152mm (6")
 Weight: 6.75kg (15 lb)
 Pneumatics: 5 BAR (80psig) at 5.6L per minute (0.2 CFM)
 Rate: Up to 650 cables per hour, dependent on operator skill

Air-Operated Punch For 4850



ORDERING INFORMATION

Description	Order No.
Multiple Hole Punch Bench Tool	11-10-1044

