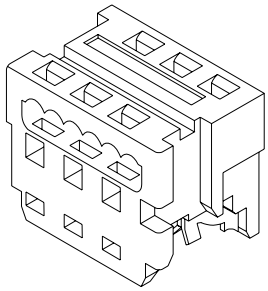
Ribbon Cable Connectors

Wire Traps

Visit www.molex.com to access more part numbers and product information, download sales drawings, product specifications, 3D models, place sample requests, and more.

1.27mm (.050") Pitch Picoflex™ PF-50 Connector

90327
Low Profile, IDT



Features and Benefits
- 1-piece housing assures precise positioning of cable
- Molded-in polarization
- 4 points of contact with ribbon cable
- Preloaded contacts
- Accepts 28 or 26 AWG (7 strand) ribbon cable
- Tape option for high-speed termination, contact Molex for part numbers

Reference Information
Product Specification: PS-99020-0011
Packaging: Bag (tape optional)
Tooling Information: See end of section
UL File No.: E29179
CSA File No.: LR19980-181
Mates With: 90325, 90779, 90800, 90814, 91330 and 91714
Use Molex Cable: 6800, 8863 and 40158
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical
Mating Force: Tin—1.7N; Gold—1.1N
Unmating Force: Tin—0.25N; Gold—0.25N
Durability: Tin—30 cycles max.
Gold—100 cycles max. (using extraction tool)

Physical
Housing: White polyester, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: See Table
Cable Accommodation: 26 and 28 AWG stranded

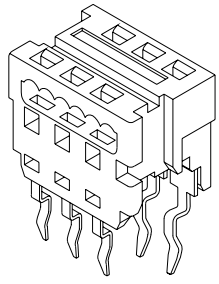
Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
4	90327-0304	90327-3304	Yes
6	90327-0306	90327-3306	
8	90327-0308	90327-3308	
10	90327-0310	90327-3310	
12	90327-0312	90327-3312	
14	90327-0314	90327-3314	

Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
16	90327-0316	90327-3316	Yes
18	90327-0318	90327-3318	
20	90327-0320	90327-3320	
22	90327-0322	90327-3322	
24	90327-0324	90327-3324	
26	90327-0326	90327-3326	

Plating 1: 2-4µm (80-160µ") Tin
Plating 2: 0.76µm (30µ") Select Gold

1.27mm (.050") Pitch Picoflex™ PF-50 Connector

90584
Low Profile, IDT Board-In



Features and Benefits
- For permanent wire-to-board connections
- Kinked solder tails for board retention during solder process
- Fits same board layout pattern as male header
- Height from board when soldered and terminated only 6.40mm (.252")
- 2 points of contact in IDT section
- Accepts 26 to 28 AWG, 7 strands, ribbon cable

Reference Information
Product Specification: PS-99020-0011
Packaging: Tube (2 options)
Tooling Information: See end of section
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V
Insulation Resistance: 1000 Megohms min.

Physical
Housing: White polyester, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: 2-4µm (80-160µ") Tin over Nickel

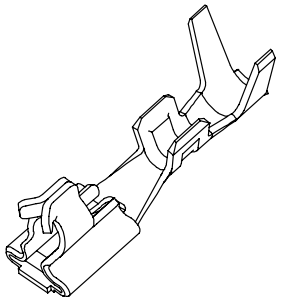
Circuits	Order No.		Lead-free
	Individual Tube	Stacked Tube	
4	90584-1304	90584-2304	Yes
6	90584-1306	90584-2306	
8	90584-1308	90584-2308	
10	90584-1310	90584-2310	
12	90584-1312	90584-2312	
14	90584-1314	90584-2314	

Circuits	Order No.		Lead-free
	Individual Tube	Stacked Tube	
16	90584-1316	90584-2316	Yes
18	90584-1318	90584-2318	
20	90584-1320	90584-2320	
22	90584-1322	90584-2322	
24	90584-1324	90584-2324	
26	90584-1326	90584-2326	

Note: Stacked tube is a group of 7 individual tubes in a stack

1.27mm (.050") Pitch Picoflex™ PF-50 Crimp Terminal

91821



Features and Benefits
- High current capability
- Two points of contact with male pin
- Can be used in low current/high temperature/ high vibration applications

Reference Information
Product Specification: PS-99020-0011
Packaging: Reel
Mates With: 90814, 90325, 90779, 90800, 91714 and 91330
Use With: 91935
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 2.4A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

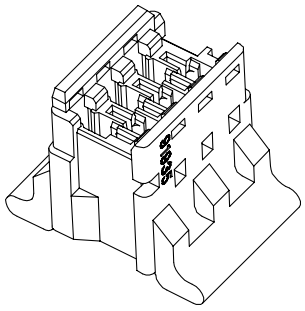
Mechanical
Contact Insertion Force: 1.7N
Contact Retention to Housing: 15N
Wire Pull-Out Force: 10 to 30N
Durability: 30 cycles min.

Physical
Contact: Phosphor Bronze
Plating: Contact Area—Tin/Gold
Underplating—Nickel
Insulation Diameter: 1.50mm max.
Strip Length: 2.00 to 2.50mm
Wire Gauge: 24 to 28AWG

Order No.		Lead-free
Tin	Gold	
91821-0001	91821-0003	Yes

1.27mm (.050") Pitch Picoflex™ PF-50 Crimp Housing

91935



Features and Benefits
- Glow wire compatible 750˚C
- Termination windows for visual check on crimp termination
- Friction lock
- Polarized housing
- Finger grips for ease of use

Reference Information
Product Specification: PS-99020-0011
Packaging: Bag
Mates With: 90814, 90325, 90779, 90800, 91714 and 91330
Use With: 91821
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 2.4A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical
Contact Insertion Force: 1.7N
Contact Retention to Housing: 15N
Durability: 30 cycles min.

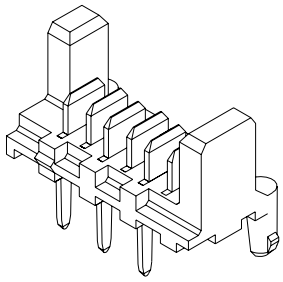
Physical
Housing: Natural 30% glass-filled PET, UL 94V-0

Circuits	Order No.	Lead-free
4	91935-9004	Yes
6	91935-9006	
8	91935-9008	
10	91935-9010	
12	91935-9012	
14	91935-9014	

Circuits	Order No.	Lead-free
16	91935-9016	Yes
18	91935-9018	
20	91935-9020	
22	91935-9022	
24	91935-9024	
26	91935-9026	

1.27mm (.050") Pitch Picoflex™ PF-50 Header

90325
Low Profile



Features and Benefits
- Polarizing side posts and PCB pegs
- Stamped contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered solder tails
- Friction lock
- Tube option packaging for robotic delivery, contact Molex for part numbers

Reference Information
Product Specification: PS-99020-0011
Packaging: Bag or tube
UL File No.: E29179
CSA File No.: LR19980-181
Mates With: 90327 and 91935
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical
Contact Retention to Housing: 7N
Mating Force: Tin—1.7N; Gold—1.1N
Unmating Force: Tin—0.25N; Gold—0.25N
Durability: Tin—30 cycles max.
Gold—100 cycles max. (using extraction tool)

Physical
Housing: Black 15% glass-filled polyester, UL 94V-0
Contact: Brass
Plating: See Table

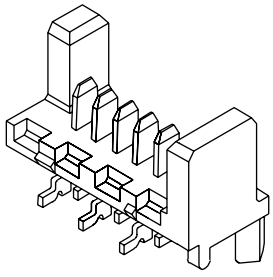
Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
4	90325-0004	90325-3004	Yes
6	90325-0006	90325-3006	
8	90325-0008	90325-3008	
10	90325-0010	90325-3010	
12	90325-0012	90325-3012	
14	90325-0014	90325-3014	
16	90325-0016	90325-3016	

Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
14	90325-0014	90325-3014	Yes
16	90325-0016	90325-3016	
18	90325-0018	90325-3018	
20	90325-0020	90325-3020	
22	90325-0022	90325-3022	
24	90325-0024	90325-3024	
26	90325-0026	90325-3026	

Plating 1: 3-5µm (120-200µ") Tin
Plating 2: 0.76µm (30µ") Select Gold

1.27mm (.050") Pitch Picoflex™ PF-50 Header

90814
SMT



Features and Benefits
- Polarizing side posts and PCB pegs
- Stamped SMT contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered SMT solder tails
- Friction lock

Reference Information
Product Specification: PS-99020-0011
Packaging: Tube or blister pack (contact Molex)
Mates With: 90327 and 91935
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical
Contact Retention to Housing: 7N
Mating Force: Tin—1.7N; Gold—1.1N
Unmating Force: Tin—0.25N; Gold—0.25N
Durability: Tin—30 cycles max.
Gold—100 cycles max. (using extraction tool)

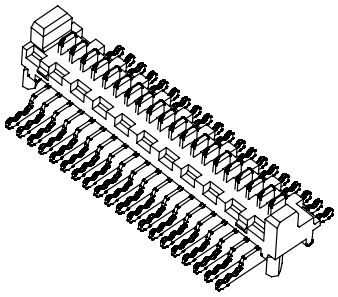
Physical
Housing: Natural 30% glass-filled nylon, UL 94V-0
Contact: Brass
Plating: See Table

Circuits	Order No.				Lead-free
	Tube Pack		Blister Pack		
	120-200µ" (3-5µm) Tin	30µ" (0.76µm) Select Gold	120-200µ" (3-5µm) Tin	30µ" (0.76µm) Select Gold	
4	90814-0804	90814-3804	90814-0904	90814-3904	Yes
6	90814-0806	90814-3806	90814-0906	90814-3906	
8	90814-0808	90814-3808	90814-0908	90814-3908	
10	90814-0810	90814-3810	90814-0910	90814-3910	
12	90814-0812	90814-3812	90814-0912	90814-3912	
14	90814-0814	90814-3814	90814-0914	90814-3914	
16	90814-0816	90814-3816	90814-0916	90814-3916	
18	90814-0818	90814-3818	90814-0918	90814-3918	
20	90814-0820	90814-3820	90814-0920	90814-3920	
22	90814-0822	90814-3822	90814-0922	90814-3922	
24	90814-0824	90814-3824	90814-0924	90814-3924	
26	90814-0826	90814-3826	90814-0926	90814-3926	

1.27mm (.050") Pitch Picoflex™ PF-50 Header

91330

Low Profile, Bottom Entry SMT



Features and Benefits

- Polarizing side posts and PCB pegs
- Stamped SMT contacts
- Two points of contact with female terminal
- Friction lock
- Can be used in RoHS lead-free process up to 260°C
- Kapton tape for pick and place during SMT assembly
- Low profile application which creates a double-sided board effect with a single-side SMT process

Reference Information

Product Specification: PS-99020-0011
Packaging: Tape and Reel
Mates With: 90327 and 91935
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 1.2 to 2.4A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical

Contact Insertion Force: 1.7N
Contact Retention to Housing: 7N
Durability: 30 cycles max.

Physical

Housing: Natural 30% glass-filled Nylon, UL 94V-0
Contact: Brass
Plating: Contact Area—Tin
Solder Tail Area—Tin
Underplating—Tin
PCB Thickness: 1.57mm ±0.13

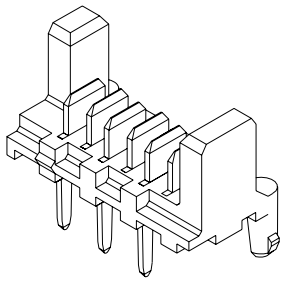
Circuits	Order No.	Lead-free
6	91330-0006	Yes
8	91330-0008	
10	91330-0010	
12	91330-0012	
14	91330-0014	
16	91330-0016	

Circuits	Order No.	Lead-free
18	91330-0018	Yes
20	91330-0020	
22	91330-0022	
24	91330-0024	
26	91330-0026	

1.27mm (.050") Pitch Picoflex™ PF-50 Header

90779

Low Profile High Temperature



Features and Benefits

- Polarizing side posts and PCB pegs
- Stamped contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered solder tails
- Friction Lock
- High-temperature Surface Mount Compatible housing

Reference Information

Product Specification: PS-99020-0011
Packaging: Bag (contact Molex for tube part numbers)
Mates With: 90327 and 91935
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical

Contact Retention to Housing: 7N
Mating Force: Tin—1.7N; Gold—1.1N
Unmating Force: Tin—0.25N; Gold—0.25N
Durability: Tin—30 cycles max.
Gold—100 cycles max. (using extraction tool)

Physical

Housing: Natural 30% glass-filled nylon, UL 94V-0
Contact: Brass
Plating: See Table

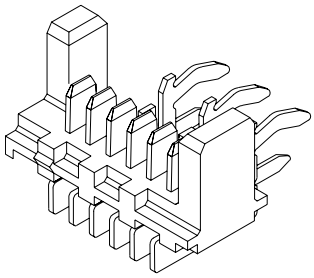
Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
4	90779-0001	90779-3001	Yes
6	90779-0002	90779-3002	
8	90779-0003	90779-3003	
10	90779-0004	90779-3004	
12	90779-0005	90779-3005	
14	90779-0006	90779-3006	

Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
16	90779-0007	90779-3007	Yes
18	90779-0008	90779-3008	
20	90779-0010	90779-3010	
22	90779-0011	90779-3011	
24	90779-0012	90779-3012	
26	90779-0013	90779-3013	

Plating 1: Tin 4-6µm (160-240µ")
Plating 2: Select Gold .76µm (30µ")

1.27mm (.050") Pitch Picoflex™ PF-50 Header

90800
Right Angle, Low Profile



Features and Benefits
- Polarizing side posts
- Stamped contacts
- 2 points of contact with female terminal
- Kinked solder tails for board retention during solder process
- Friction lock

Reference Information
Packaging: Tube
Tooling Information: See end of section
Mates With: 90327
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V
Insulation Resistance: 1000 Megohms min.

Mechanical
Contact Retention to Housing: 7N
Mating Force: Tin—1.7N
Unmating Force: Tin—0.25N
Durability: Tin—30 cycles max. (using extraction tool)

Physical
Housing: Black 15% glass-filled polyester, UL 94V-0
Contact: Brass
Plating: See Table

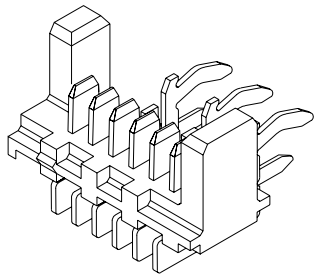
Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
4	90800-0004	90800-3004	Yes
6	90800-0006	90800-3006	
8	90800-0008		
10	90800-0010		
12	90800-0012	90800-3012	
14	90800-0014	90800-3014	

Circuits	Order No.		Lead-free
	Plating 1	Plating 2	
16	90800-0016		Yes
18	90800-0018		
20	90800-0020	90800-3020	
22	90800-0022		
24	90800-0024	90800-3024	
26	90800-0026	90800-3026	

Plating 1: Tin 3-5µm Tin over Nickel
Plating 2: Select Gold .76µm (30µ")

1.27mm (.050") Pitch Picoflex™ PF-50 Header

91714
Right Angle, Low Profile High Temperature Through Hole



Features and Benefits
- Polarizing side posts
- Stamped contacts
- Two points of contact with female terminal
- Kinked solder tails for board retention during solder process
- Friction lock
- High-temperature Surface Mount Compatible housing

Reference Information
Product Specification: PS-99020-0011
Packaging: Tube
Mates With: 90327 and 91935
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2 to 2.4A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical
Contact Insertion Force: 1.7N
Contact Retention to Housing: 7N
Durability: 30 cycles min.

Physical
Housing: Natural 30% glass-filled Nylon, UL 94V-0
Contact: Brass
Plating: Contact Area—Tin/Gold
Solder Tail Area—Tin
Underplating—Nickel
PCB Thickness: 1.60mm ±0.20

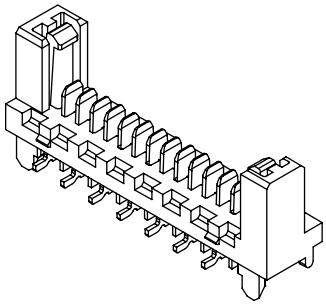
Circuits	Order No.		Lead-free
	Tin	Gold	
4	91714-0004	91714-3004	Yes
6	91714-0006	91714-3006	
8	91714-0008	91714-3008	
10	91714-0010	91714-3010	
12	91714-0012	91714-3012	
14	91714-0014	91714-3014	

Circuits	Order No.		Lead-free
	Tin	Gold	
16	91714-0016	91714-3016	Yes
18	91714-0018	91714-3018	
20	91714-0020	91714-3020	
22	91714-0022	91714-3022	
24	91714-0024	91714-3024	
26	91714-0026	91714-3026	

1.27mm (.050") Pitch Picoflex™ PF-50 Latched Header

90816

SMT



Features and Benefits

- Positive latch for increased retention
- Polarizing side posts and PCB pegs
- Stamped SMT contacts with in-line, flat blades
- 2 points of contact with female terminal
- Rigid, staggered SMT solder tails
- Can be used in RMS lead-free process up to 260°

Reference Information

Product Specification: PS-99020-0011
Packaging: Tube or blister pack (contact Molex)
Mates With: 90327
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 1.2A
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 750V rms
Insulation Resistance: 1000 Megohms min.

Mechanical

Contact Retention to Housing: 7N
Mating Force: Tin—1.7N; Gold—1.1N
Unmating Force: Tin—0.25N; Gold—0.25N
Durability: Tin—5 cycles max. (using extraction tool)
Gold—5 cycles max. (using extraction tool)

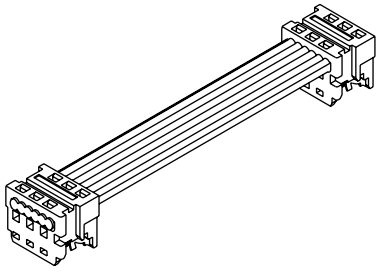
Physical

Housing: Black Polyphthalamide 30% glass-filled
Contact: Brass
Plating: See Table

Circuits	Order No.				Lead-free
	Tube Pack		Blister Pack		
	120-200µ" (3-5µm) Tin	30µ" (0.76µm) Select Gold	120-200µ" (3-5µm) Tin	30µ" (0.76µm) Select Gold	
4	90816-0004	90816-3004			Yes
6	90816-0006	90816-3006	90816-0206	90816-3206	
8	90816-0008	90816-3008	90816-0208	90816-3208	
10	90816-0010	90816-3010	90816-0210	90816-3210	
12	90816-0012	90816-3012	90816-0212	90816-3212	
14	90816-0014	90816-3014	90816-0214	90816-3214	
16	90816-0016	90816-3016	90816-0216	90816-3216	
18	90816-0018	90816-3018	90816-0218	90816-3218	
20	90816-0020	90816-3020	90816-0220	90816-3220	
22	90816-0022	90816-3022	90816-0222	90816-3222	
24	90816-0024	90816-3024	90816-0224	90816-3224	
26	90816-0026	90816-3026	90816-0226	90816-3226	

1.27mm (.050") Pitch Picoflex™ PF-50 Custom Cable Harness

92315



Features and Benefits

- Cable assembly with two 90327 connectors, C-style
- Sizes 4 to 26
- UL 2651, 28 AWG (7 strand) ribbon cable
- Lengths from 6 to 120cm

Reference Information

Packaging: Bag
Mates With: 90325, 90800, 90814, 90715 and 90779
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 1.2A

Mechanical

Mating Force: 1.7N
Unmating Force: 0.25N
Durability: 30 cycles max.

Physical

Housing: 6/6 nylon, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: 3 to 6µ" Tin
Insulation: Cable—Gray PVC
Wire Range: 28 AWG

Circuits	Order No.	Lead-free
4	92315-04XX	Yes
6	92315-06XX	
8	92315-08XX	
10	92315-10XX	
12	92315-12XX	
14	92315-14XX	

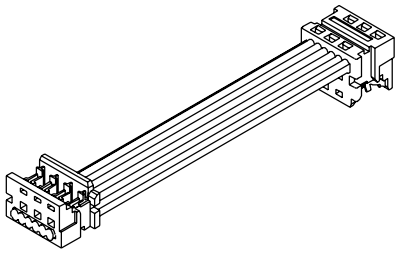
Circuits	Order No.	Lead-free
16	92315-16XX	Yes
18	92315-18XX	
20	92315-20XX	
22	92315-22XX	
24	92315-24XX	
26	92315-26XX	

Length	XX
6-99cm	06-99
100cm	01
105cm	02
110cm	03
115cm	04
120cm	05

Replace XX with length in cm (min. 6cm, max. 120cm), see table
Example: 92315-0832 is a cable with two 90327-0308, 32cm long

1.27mm (.050") Pitch Picoflex™ PF-50 Custom Cable Harness

92317



Features and Benefits
- Cable assembly with two 90327 connectors, Z-style
- Sizes 4 to 26
- UL 2651, 28 AWG (7 strand) ribbon cable
- Lengths from 6 to 120cm

Reference Information
Packaging: Bag
Mates With: 90325, 90800, 90814, 90715 and 90779
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A

Mechanical
Mating Force: 1.7N
Unmating Force: 0.25N
Durability: 30 cycles max.

Physical
Housing: 6/6 nylon, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: 3 to 6µ" Tin
Insulation: Cable—Gray PVC
Wire Range: 28 AWG

Circuits	Order No.	Lead-free
4	92317-04XX	Yes
6	92317-06XX	
8	92317-08XX	
10	92317-10XX	
12	92317-12XX	
14	92317-14XX	

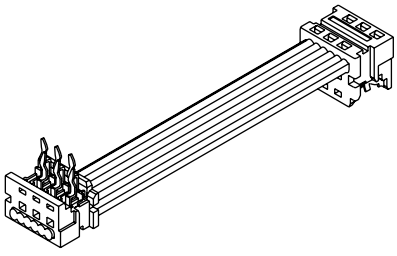
Circuits	Order No.	Lead-free
16	92317-16XX	Yes
18	92317-18XX	
20	92317-20XX	
22	92317-22XX	
24	92317-24XX	
26	92317-26XX	

Length	XX
6-99cm	06-99
100cm	01
105cm	02
110cm	03
115cm	04
120cm	05

Replace XX with length in cm (min. 6cm, max. 120cm), see table
Example: 92317-0832 is a cable with two 90327-0308, 32cm long

1.27mm (.050") Pitch Picoflex™ PF-50 Custom Cable Harness

92318



Features and Benefits
- Cable assembly with 90327 and 90584 connectors, Z-style
- Sizes 4 to 26
- UL 2651, 28 AWG (7 strand) ribbon cable
- Lengths from 6 to 120cm

Reference Information
Packaging: Tube
Mates With: 90325, 90800, 90814, 90715 and 90779
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.2A

Mechanical
Mating Force: 1.7N
Unmating Force: 0.25N
Durability: 30 cycles max.

Physical
Housing: 6/6 nylon, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: 3 to 6µ" Tin
Insulation: Cable—Gray PVC
Wire Range: 28 AWG

Circuits	Order No.	Lead-free
4	92318-04XX	Yes
6	92318-06XX	
8	92318-08XX	
10	92318-10XX	
12	92318-12XX	
14	92318-14XX	

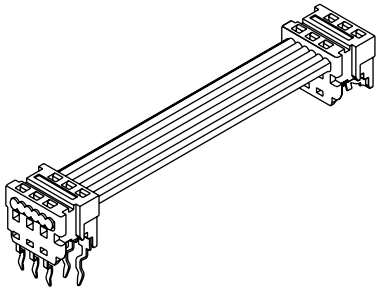
Circuits	Order No.	Lead-free
16	92318-16XX	Yes
18	92318-18XX	
20	92318-20XX	
22	92318-22XX	
24	92318-24XX	
26	92318-26XX	

Length	XX
6-99cm	06-99
100cm	01
105cm	02
110cm	03
115cm	04
120cm	05

Replace XX with length in cm (min. 6 cm, max. 120cm), see table
Example: 92318-0832 is a cable with 90327-0308 and 90584-2308, 32cm long

1.27mm (.050") Pitch Picoflex™ PF-50 Custom Cable Harness

92316



Features and Benefits

- Cable assembly with 90327 and 90584 connectors, C-style
- Sizes 4 to 26
- UL 2651, 28 AWG (7 strand) ribbon cable
- Lengths from 6 to 120cm

Reference Information

Packaging: Tube
Mates With: 90325, 90800, 90814, 90715 and 90779
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 1.2A

Mechanical

Mating Force: 1.7N
Unmating Force: 0.25N
Durability: 30 cycles max.

Physical

Housing: 6/6 nylon, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: 3 to 6µ" Tin
Insulation: Cable—Gray PVC
Wire Range: 28 AWG

Circuits	Order No.	Lead-free
4	92316-04XX	Yes
6	92316-06XX	
8	92316-08XX	
10	92316-10XX	
12	92316-12XX	
14	92316-14XX	

Circuits	Order No.	Lead-free
16	92316-16XX	Yes
18	92316-18XX	
20	92316-20XX	
22	92316-22XX	
24	92316-24XX	
26	92316-26XX	

Length	XX
6-99cm	06-99
100cm	01
105cm	02
110cm	03
115cm	04
120cm	05

Replace XX with length in cm (min. 6 cm, max. 120cm), see table
Example: 92316-0832 is a cable with 90327-0308 and 90584-2308, 32cm long

2.54mm (.100") Pitch QF-50™ Connector System For 1.27mm (.050") Pitch Ribbon Cable

Molex offers one of the widest ranges of connectors for 1.27mm (.050") ribbon cable on the market today. The QF-50 family features a variety of products conforming to industry-standard styles, such as DIN 41651, MIL-C-83503 keying, HE-10, etc. There is a choice of receptacle styles addressed to specific market requirements and a variety of designer-friendly headers.

Receptacles

Built to the highest-quality standards, 2 distinct styles are offered:

- 5320 series, incorporating a dual-contact beam independently acknowledged to out-perform others on the market
- 90635 series, a lower-cost single-contact beam product, offering all the technical performance of its dual-beam counterpart, while also offering MIL keying

Headers

Available in 3 styles:

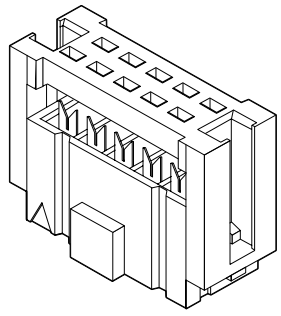
- Latch-eject style uniquely functioning with or without strain reliefs on receptacles and with ejectors that remain flush with the body, thus saving valuable PCB real estate
- Standard shrouded headers
- Low-profile headers in industry-standard styles with various options, including variable board location/ retention features and SMT-compatible insulators

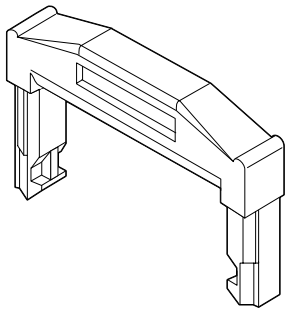
Application Tooling

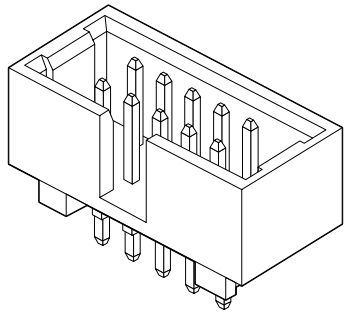
Molex has developed a choice of equipment that allows you to tailor your application tooling according to your volumes—from simple hand tools to high-volume automatic termination. Various packaging styles are available as options to optimize your applied cost. Please see end of section.

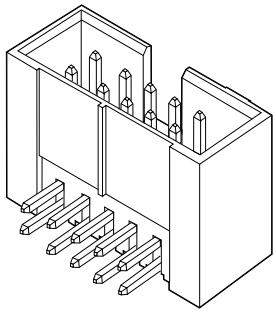
Cable

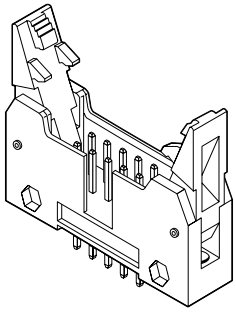
In line with the philosophy of offering our customers a complete interconnection solution, Molex also supplies the necessary cable to get you connected! Please refer to section H.

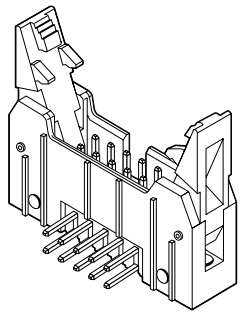






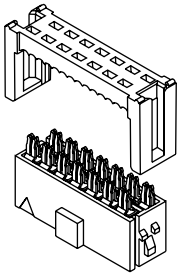






2.54mm (.100") Pitch QF-50™ Receptacle

5320-NA
Dual Row Unloaded Upper Housing



Features and Benefits
- Sizes 10 to 64 circuits
- For 1.27mm (.050") ribbon cable
- Single polarization

Reference Information
Packaging: Tray
Tooling Information: See section U
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5330, 5332, 5340, 5342, 5576 and 5578
Use With: 90170 strain relief
Designed In: Millimeters

Electrical
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

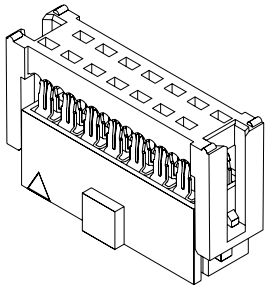
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: See Table
Cable Accommodation: 26 AWG stranded and 28 AWG stranded and solid
Insulation Range: 1.14mm (.045") diameter max.

Circuits	Order No.		Lead-free
	4µ" (0.1µm) Gold	35µ" (0.9µm) Tin	
10	39-53-4106	39-52-1104	Yes
14	39-53-4146	39-52-1144	
16	39-53-4166	39-52-1164	
20	39-53-4206	39-52-1204	
26	39-53-4266	39-52-1264	
30	39-53-4306	39-52-1304	

Circuits	Order No.		Lead-free
	4µ" (0.1µm) Gold	35µ" (0.9µm) Tin	
34	39-53-4346	39-52-1344	Yes
40	39-53-4406	39-52-1404	
50	39-53-4506	39-52-1504	
60	39-53-4606		
64	39-53-4646		

2.54mm (.100) Pitch QF-50™ Receptacle

5320-NB
Dual Row Preloaded Upper Housing



Features and Benefits
- Sizes 10 to 64 circuits
- For 1.27mm (.050") ribbon cable
- Single polarization

Reference Information
Packaging: Tray
UL File No.: E29179
CSA File No.: LR37272-P21
Mates With: 5330, 5332, 5340, 5342, 5576 and 5578
Use With: 90170 strain relief
Designed In: Millimeters

Electrical
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

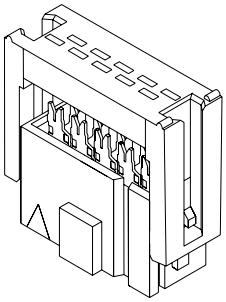
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze Alloy
Plating: See Table
Cable Accommodation: 26 AWG stranded and 28 AWG stranded and solid
Insulation Range: 1.14mm (.045") diameter max.

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
10	39-53-3109	39-53-4100	39-52-1105	Yes
14	39-53-3149	39-53-4140	39-52-1145	
16	39-53-3169	39-53-4160	39-52-1165	
20	39-53-3209	39-53-4200	39-52-1205	
26	39-53-3269	39-53-4260	39-52-1265	
30	39-53-3309	39-53-4300	39-52-1305	

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
34	39-53-3349	39-53-4340	39-52-1345	Yes
40	39-53-3409	39-53-4400	39-52-1405	
50	39-53-3509	39-53-4500	39-52-1505	
60	39-53-3609	39-53-4600		
64	39-53-3649	39-53-4640		

1.27mm (.050") Pitch QF-50™ Receptacle

90635
Vertical, MIL/DIN Version



Features and Benefits
- Sizes 10 to 64 circuits
- Available with or without polarization
- Complies with industry-standard DIN 41651 and MIL-3-83503 keying
- Selective Gold plating option for contacts
- Available in various packaging styles

Reference Information
Product Specification: PS-99020-0015
Packaging: Tray (contact Molex for chain)
Tooling Information: See end of section
Mates With: 90663
Use With: 90170 strain relief
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

Mechanical
Mating Force: 350g (0.77 lb) max. per circuit
Unmating Force: 50g (0.11 lb) min. per circuit
Durability: 300 cycles max.

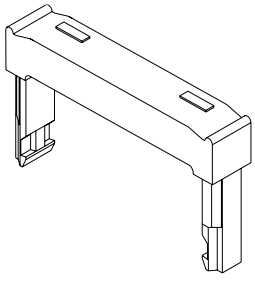
Physical
Housing: Glass-filled polyester, UL 94V-0
Contact: Copper Alloy
Plating: See Table
Cable Accommodation: 26 AWG stranded and 28 AWG stranded and solid

Circuits	Order No.						Lead-free
	With Polarization			Without Polarization			
	Plating 1	Plating 2	Plating 3	Plating 1	Plating 2	Plating 3	
10	90635-1101	90635-1102	90635-1103	90635-3101	90635-3102	90635-3103	Yes
14	90635-1141	90635-1142	90635-1143	90635-3141	90635-3142	90635-3143	
16	90635-1161	90635-1162	90635-1163	90635-3161	90635-3162	90635-3163	
20	90635-1201	90635-1202	90635-1203	90635-3201	90635-3202	90635-3203	
24	90635-1241	90635-1242	90635-1243	90635-3241	90635-3242	90635-3243	
26	90635-1261	90635-1262	90635-1263	90635-3261	90635-3262	90635-3263	
30	90635-1301	90635-1302	90635-1303	90635-3301	90635-3302	90635-3303	
34	90635-1341	90635-1342	90635-1343	90635-3341	90635-3342	90635-3343	
40	90635-1401	90635-1402	90635-1403	90635-3401	90635-3402	90635-3403	
50	90635-1501	90635-1502	90635-1503	90635-3501	90635-3502	90635-3503	
60	90635-1601	90635-1602	90635-1603	90635-3601	90635-3602	90635-3603	
64	90635-1641	90635-1642	90635-1643	90635-3641	90635-3642	90635-3643	

Plating 1: Contact area: 4µ" Gold flash min. IDT area: 39µ" min. Tin over Nickel.
Plating 2: Contact area: 30µ" Gold min. IDT area: 39µ" min. Tin over Nickel.
Plating 3: Contact area: 15µ" Gold min. IDT area: 39µ" Tin over Nickel.

QF-50™ Strain Relief

90170
DIN 41651, Standard Low Profile



Features and Benefits
- Complies with industry-standard DIN 41651

Reference Information
Product Specification: PS-99020-0015
Packaging: Bag
Use With: 5320 and 90635
Designed In: Inches

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

Preferred Version in Europe

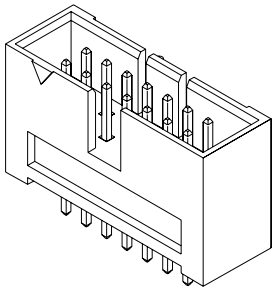
Circuits*	Order No.
10	90170-0010
14	90170-0014
16	90170-0016
20	90170-0020
26	90170-0026
30	90170-0030

Circuits*	Order No.
34	90170-0034
40	90170-0040
50	90170-0050
60	90170-0060
64	90170-0064

* Number of circuits on mating connector

2.54mm (.100") Pitch QF-50™ Shrouded Header

5332
Vertical, Dual Row Single Polarization



Features and Benefits
- Sizes 10 to 60 circuits
- Selective Gold- and Tin-plated versions

Reference Information
Packaging: Tray
UL File No.: E29179-E
Mates With: 5320-NA and 5320-NB
Designed In: Millimeters

Electrical
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

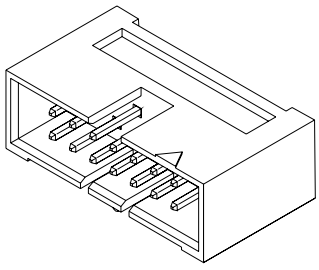
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Brass
Contact Pin: 0.635mm (.025") square
Plating: See Table

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
10	39-53-6104	39-53-6105	39-28-5101	Yes
14	39-53-6144	39-53-6145	39-28-5141	
16	39-53-6164	39-53-6165	39-28-5161	
20	39-53-6204	39-53-6205	39-28-5201	
26	39-53-6264	39-53-6265	39-28-5261	

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
30	39-53-6304	39-53-6305	39-28-5301	Yes
34	39-53-6344	39-53-6345	39-28-5341	
40	39-35-6404	39-35-6405		
50	39-53-6504	39-53-6505		
60	39-53-6604	39-53-6605		

2.54mm (.100") Pitch QF-50™ Shrouded Header

5342
Right Angle, Dual Row Single Polarization



Features and Benefits
- Sizes 10 to 60 circuits
- Selective Gold- and Tin-plated versions

Reference Information
Packaging: Tray
UL File No.: E29179-E
Mates With: 5320-NA and 5320-NB
Designed In: Millimeters

Electrical
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

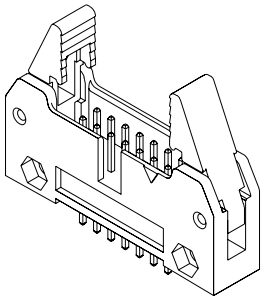
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Brass
Contact Pin: 0.635mm (.025") square
Plating: See Table

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
10	39-53-7104	39-53-7105	39-28-5104	Yes
14	39-53-7144	39-53-7145	39-28-5144	
16	39-53-7164	39-53-7165	39-28-5164	
20	39-53-7204	39-53-7205	39-28-5204	
26	39-53-7264	39-53-7265	39-28-5264	

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
30	39-53-7304	39-53-7305	39-28-5304	Yes
34	39-53-7344	39-53-7345	39-28-5344	
40	39-53-7404	39-53-7405		
50	39-53-7504	39-53-7505		
60	39-53-7604	39-53-7605		

2.54mm (.100") Pitch QF-50™ Shrouded Header

5330
Vertical, Dual Row With Eject Levers



Features and Benefits
- Sizes 10 to 64 circuits
- Polarized
- Stackable side-by-side
- Latches connector with or without strain relief
- Selective Gold- and overall Tin-plated versions
- Lever spring pins—Stainless Steel

Reference Information
Packaging: Tray
UL File No.: E29179-E
CSA File No.: LR19980
Mates With: 5320-NA and 5320-NB
Designed In: Millimeters

Electrical
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

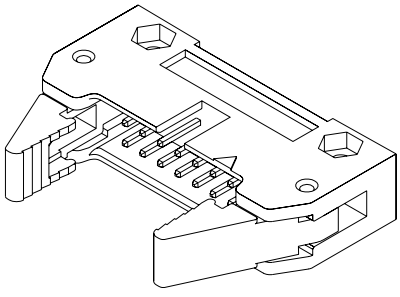
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Brass
Contact Pins: 0.635mm (.025") square
Plating: See Table

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
10	39-35-2106	39-53-5109	39-28-5100	Yes
14	39-35-2146	39-53-5149	39-28-5140	
16	39-35-2166	39-53-5169	39-28-5160	
20	39-35-2206	39-53-5209	39-28-5200	
26	39-35-2266	39-53-5269	39-28-5260	
30	39-35-2306	39-53-5309	39-28-5300	

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
34	39-35-2346	39-53-5349	39-28-5340	Yes
40	39-35-2406	39-53-5409	39-28-5400	
50	39-35-2506	39-53-5509	39-28-5500	
60	39-35-2606	39-53-5609		
64	39-35-2646	39-53-5649		

2.54mm (.100") Pitch QF-50™ Shrouded Header

5340
Right Angle, Dual Row With Eject Levers



Features and Benefits
- Sizes 10 to 64 circuits
- Polarized
- Stackable side-by-side
- Selective Gold- and overall Tin-plated versions
- Lever spring pins—Stainless Steel

Reference
Packaging: Tray
UL File No.: E29179-E
Mates With: 5320-NA and 5320-NB
Designed In: Millimeters

Electrical
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

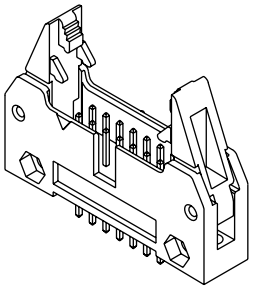
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Brass
Contact Pin: 0.635mm (.025") square
Plating: See Table

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
10	39-53-3107	39-53-7108	39-28-5103	Yes
14	39-53-3147	39-53-7148	39-28-5143	
16	39-53-3167	39-53-7168	39-28-5163	
20	39-53-3207	39-53-7208	39-28-5203	
26	39-53-3267	39-53-7268	39-28-5263	
30	39-53-3307	39-53-7308	39-28-5303	

Circuits	Order No.			Lead-free
	4µ" (0.1µm) Gold	30µ" (0.76µm) Gold	35µ" (0.9µm) Tin	
34	39-53-3347	39-53-7348	39-28-5343	Yes
40	39-53-3407	39-53-7408	39-28-5403	
50	39-53-3507	39-53-7508	39-28-5503	
60	39-53-3607	39-53-7608		
64	39-53-3647	39-53-7648		

2.54mm (.100") Pitch QF-50™ Shrouded Header

5576
Vertical
With Eject Levers



Features and Benefits
- 10 to 64 circuits
- Tin plated on solder tail
- Complies with industry standard DIN 41654
- Polarized
- Selective Gold plating options for contacts
- Eject levers allow end-to-end stacking with or without strain relief with no loss of board space

Reference Information
Packaging: Tray
Designed In: Millimeters
Mates With: 5320

Electrical
Voltage: 250V
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V
Insulation Resistance: 1000 Megohms min.

Physical
Housing: Glass-filled PBTP
Contact: Brass

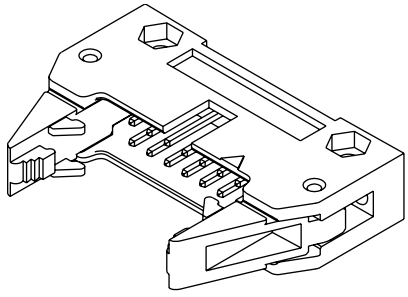
Circuits	Order No.			Lead-free
	Plating NBGS1	Plating NBGS2	Plating NBT2	
10	39-27-1103	39-27-1104	39-28-5105	Yes
14	39-27-1143	39-27-1144	39-28-5145	
16	39-27-1163	39-27-1164	39-28-5165	
20	39-27-1203	39-27-1204	39-28-5205	
26	39-27-1263	39-27-1264	39-28-5265	
30	39-27-1303	39-27-1304	39-28-5305	

Circuits	Order No.			Lead-free
	Plating NBGS1	Plating NBGS2	Plating NBT2	
34	39-27-1343	39-27-1344	39-28-5345	Yes
40	39-27-1403	39-27-1404	39-28-5405	
50	39-27-1503	39-27-1504	39-28-5505	
60	39-27-1603	39-27-1604		
64	39-27-1643	39-27-1644		

Plating NBGS1: 39µ" (1µm) min. Nickel underplate. Contact area: 0.1µm min. Gold.
Solder area: 3µm min. Tin
Plating NBGS2: 39µ" (1µm) min. Nickel underplate. Contact area: 0.76µm min. Gold.
Solder area: 3µm min. Tin
Plating NBT2: 20µ" (0.5µm) min. Nickel underplate. Contact and solder area: 39µ" (1µm) min. Tin

2.54mm (.100") Pitch QF-50™ Shrouded Header

5578
Right Angle
With Eject Levers



Features and Benefits
- 10 to 64 circuits
- Tin plated on solder tail
- Complies with industry standard DIN 41654
- Polarized
- Selective Gold plating options for contacts
- Eject levers allow end-to-end stacking with or without strain relief with no loss of board space

Reference Information
Packaging: Tray
Mates With: 5320
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 1.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V
Insulation Resistance: 1000 Megohms min.

Physical
Housing: Glass-filled PBTP
Contact: Brass

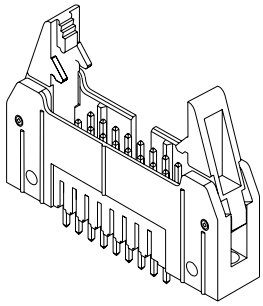
Circuits	Order No.			Lead-free
	Plating NBGS17F	Plating NBGS2	Plating NBT2	
10	39-53-6108	39-53-6109	39-28-5106	Yes
14	39-53-6148	39-53-6149	39-28-5146	
16	39-53-6168	39-53-6169	39-28-5166	
20	39-53-6208	39-53-6209	39-28-5206	
26	39-53-6268	39-53-6269	39-28-5266	
30	39-53-6308	39-53-6309	39-28-5306	

Circuits	Order No.			Lead-free
	Plating NBGS17F	Plating NBGS2	Plating NBT2	
34	39-53-6348	39-53-6349	39-28-5346	Yes
40	39-53-6408	39-53-6409	39-28-5406	
50	39-53-6508	39-53-6509	39-28-5506	
60	39-53-6608	39-53-6609		
64	39-53-6648	39-53-6649		

Plating NBGS1: 39µ" (1µm) min. Nickel underplate. Contact area: 0.1µm min. Gold.
Solder area: 3µm min. Tin.
Plating NBGS2: 39µ" (1µm) min. Nickel underplate. Contact area: 0.76µm min. Gold.
Solder area: 3µm min. Tin.
Plating NBT2: 20µ" (0.5µm) min. Nickel underplate. Contact and solder area: 39µ" (1µm) min. Tin.

2.54mm (.100") Pitch QF-50™ Shrouded Header

90663
Vertical, MIL Keying With Latch/Eject Levers



Features and Benefits
- Sizes 10 to 64 circuits
- Tin plated on solder tail
- Complies with industry-standard DIN 41651 and MIL-3-83503 keying
- Selective Gold plating options for contacts
- Eject levers allow end-to-end stacking with or without strain relief with no loss of board space
- Polarized
- Contact Molex for variations on eject levers

Reference Information
Product Specification: PS-99020-0015
Packaging: Tray
Mates With: 90635
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 2.5A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

Mechanical
Pin Retention Force: 1.5kg (3.3 lb)
Mating Force: 350g (0.77 lb) max. per circuit
Unmating Force: 50g (0.11 lb) min. per circuit
Durability: 300 cycles max.

Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy
Plating: See Table

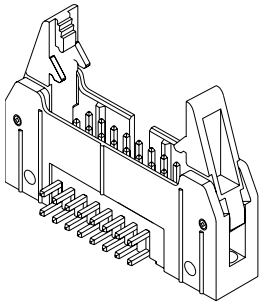
Circuits	Order No.			Lead-free
	Plating 1	Plating 2	Plating 3	
10	90663-1101	90663-1102	90663-1103	Yes
14	90663-1141	90663-1142	90663-1143	
16	90663-1161	90663-1162	90663-1163	
20	90663-1201	90663-1202	90663-1203	
26	90663-1261	90663-1262	90663-1263	
30	90663-1301	90663-1302	90663-1303	

Circuits	Order No.			Lead-free
	Plating 1	Plating 2	Plating 3	
34	90663-1341	90663-1342	90663-1343	Yes
40	90663-1401	90663-1402	90663-1403	
50	90663-1501	90663-1502	90663-1503	
60	90663-1601	90663-1602	90663-1603	
64	90663-1641	90663-1642	90663-1643	

Note: Also available with 91081 ejectors. Please contact Molex.
Plating 1: 4µ" Gold in contact area, 118µ" Tin in solder area, 39µ" Nickel underplate
Plating 2: 30µ" Gold in contact area, 118µ" Tin in solder area, 39µ" Nickel underplate
Plating 3: 10µ" Gold in contact area, 118µ" Tin in solder area, 39µ" Nickel underplate

2.54mm (.100") Pitch QF-50™ Shrouded Header

90663
Right Angle, MIL Keying With Latch/Eject Levers



Features and Benefits
- Sizes 10 to 64 circuits
- Tin plated on solder tail
- Complies with industry-standard DIN 41651 and MIL-3 83503 keying
- Selective Gold plating options for contacts
- Eject levers allow end-to-end stacking with or without strain relief with no loss of board space
- Polarized
- Contact Molex for variations on eject levers

Reference Information
Product Specification: PS-99020-0015
Packaging: Tray
Mates With: 90635
Designed In: Millimeters

Electrical
Voltage: 250V
Current: 2.5A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 1000 Megohms min.

Mechanical
Pin Retention Force: 1.5kg (3.3 lb)
Mating Force: 350g (0.77 lb) max. per circuit
Unmating Force: 50g (0.11 lb) min. per circuit
Durability: 300 cycles max.

Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy
Plating: See Table

Circuits	Order No.			Lead-free
	Plating 1	Plating 2	Plating 3	
10	90663-3101	90663-3102	90663-3103	Yes
14	90663-3141	90663-3142	90663-3143	
16	90663-3161	90663-3162	90663-3163	
20	90663-3201	90663-3202	90663-3203	
26	90663-3261	90663-3262	90663-3263	
30	90663-3301	90663-3302	90663-3303	

Circuits	Order No.			Lead-free
	Plating 1	Plating 2	Plating 3	
34	90663-3341	90663-3342	90663-3343	Yes
40	90663-3401	90663-3402	90663-3403	
50	90663-3501	90663-3502	90663-3503	
60	90663-3601	90663-3602	90663-3603	
64	90663-3641	90663-3642	90663-3643	

Plating 1: 4µ" Gold in contact area, 118µ" Tin in solder area, 39µ" Nickel underplate
Plating 2: 30µ" Gold in contact area, 118µ" Tin in solder area, 39µ" Nickel underplate
Plating 3: 10µ" Gold in contact area, 118µ" Tin in solder area, 39µ" Nickel underplate

2.54mm (.100") Pitch SL™ Ribbon Cable Connectors

70400/70475
Single Row Cable Connector System

Please refer to section A of this catalog for more detailed information

Features and Benefits
- Sizes 2 to 25 circuits
- Modular connectors for use with SL single row shrouded headers and clips
- Terminals preloaded into housings
- Polarization and positive locking options

Reference Information
Packaging: Tube
UL File No.: E29179
CSA File No.: LR19980
Use Molex Cable: 7307, 7767, 8996, 8997, 24226, 24241, 24369 and 24389
Designed In: Inches

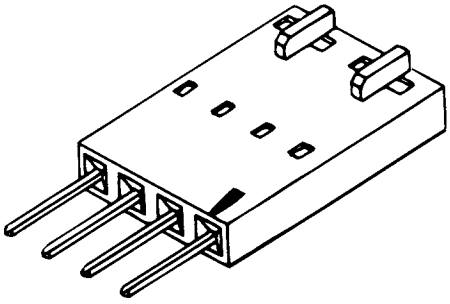
Electrical
Voltage: 250V
Current: 3.0A max
Contact Resistance: 15 milliohms max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 10,000 Megohms min.

Mechanical
Contact Insertion Force: 3.11N (0.7 lb) max.
Contact Retention to Housing: 17.79N (4 lb) min. for 15 seconds
Durability: Tin—25 cycles; Gold—50 cycles

Physical
Housing: Polyester, UL 94V-0
Contact: Copper alloy

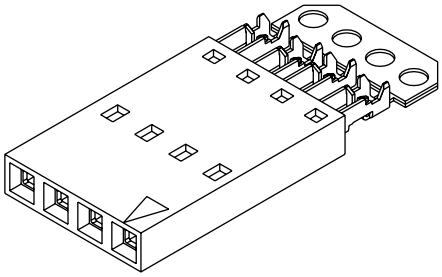
Version D — Male

70475



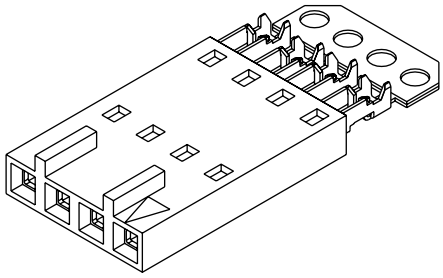
Version A — Female

70400



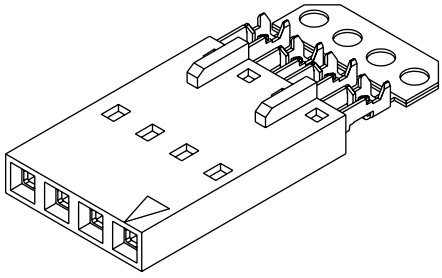
Version C — Female

70400



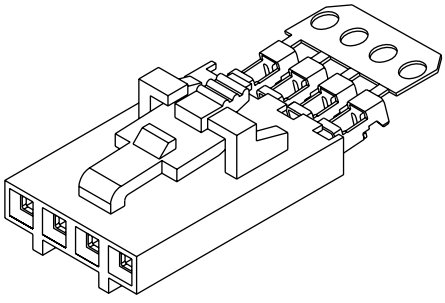
Version D — Female

70400



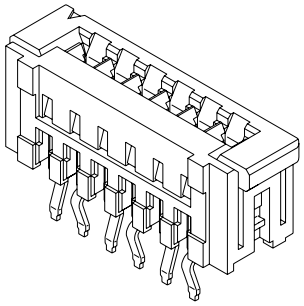
Version G — Female

70400



2.00mm (.079") Pitch Wire Trap

52147
Pull-Cover Style Vertical



Features and Benefits
- Sizes 2 to 17 circuits
- For topcoated ribbon cable
- Wire range: 26 AWG
- Insulation diameter: 1.60mm max.
- Strip length: 4.50mm

Reference Information
Product Specification: PS-52147-001
Packaging: Tray
UL File No.: E29179
Designed In: Millimeters

Electrical
Voltage: 150V max.
Current: 2.0A max.
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical
Housing: Glass-filled PBT, UL 94V-0
Actuator: Glass-filled PBT, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin

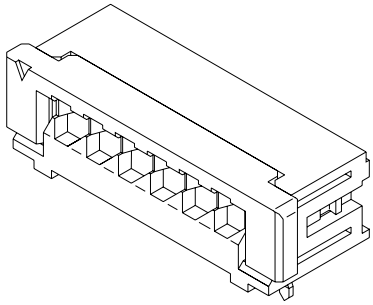
Circuits	Order No.	Lead-free
2	52147-0210	Yes
3	52147-0310	
4	52147-0410	
5	52147-0510	
6	52147-0610	
7	52147-0710	
8	52147-0810	
9	52147-0910	

Circuits	Order No.	Lead-free
10	52147-1010	Yes
11	52147-1110	
12	52147-1210	
13	52147-1310	
14	52147-1410	
15	52147-1510	
16	52147-1610	
17	52147-1710	

Note: All PC tails kinked opposite ways except two-circuit version, which has no kinks

2.00mm (.079") Pitch Wire Trap

52151
Pull-Cover Style Right Angle



Features and Benefits
- Sizes 2 to 16 circuits
- For topcoated ribbon cable
- Wire range: 26 AWG
- Insulation diameter: 1.60mm max.
- Strip length: 4.50mm

Reference Information
Product Specification: PS-52147-001
Packaging: Tray
UL File No.: E29179
Designed In: Millimeters

Electrical
Voltage: 150V max.
Current: 2.0A max.
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical
Housing: Glass-filled PBT, UL 94V-0
Actuator: Glass-filled PBT, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin

Circuits	Order No.	Lead-free
2	52151-0210	Yes
3	52151-0310	
4	52151-0410	
5	52151-0510	
6	52151-0610	
7	52151-0710	
8	52151-0810	
9	52151-0910	

Circuits	Order No.	Lead-free
10	52151-1010	Yes
11	52151-1110	
12	52151-1210	
13	52151-1310	
14	52151-1410	
15	52151-1510	
16	52151-1610	

Note: All PC tails kinked opposite ways except two-circuit version, which has no kinks