

3.00 to 7.92mm (.118 to .312") PITCH

PCB and Wire Connectors

D

KK® and SPOX™ Connectors

Product Overview	D-2
3.96mm (.156") Pitch	D-3 to D-19
5.00mm (.197") Pitch	D-20 to D-21
5.08mm (.200") Pitch	D-21 to D-29
7.92mm (.312") Pitch	D-30
Accessories	D-31

Positive Lock Connectors

2.00/3.50mm (.118/.138") Pitch Pogo Pin Connector	D-33
3.50/7.00mm (.138/.276") Pitch Wire-to-Wire and Wire-to-Board Connectors	D-33 to D-36
3.96/7.92mm (.156/.312") Pitch Wire-to-Board	D-36 to D-41

Board-In Connectors

4.00mm (.158") Pitch	D-42
Stand-Alone Terminals	D-43
Custom Headers	
1.27mm (.050") Pitch Single and Dual Row	D-44
2.00mm (.079") Pitch Single and Dual Row	D-45
2.54mm (.100") Pitch Single and Dual Row	D-46
3.96mm (.156") Pitch Single Row	D-46
IDT Connectors — Appli-Mate™	D-47

3.96mm (.156") Pitch

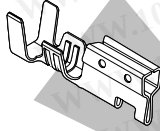
KK®

Product Overview

3.00 to 7.92mm (.118 to .312") Pitch PCB and Wire Connectors

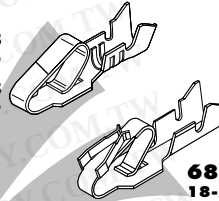
D

5194
18-24 AWG
5225
22-28 AWG
4 point contact
for high vibration



WIRE-TO-BOARD CRIMP

2478
18-20 AWG
2578
22-26 AWG

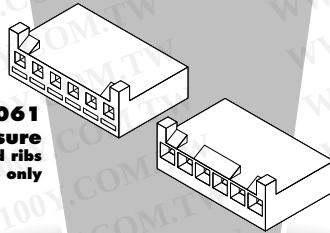


6838
18-20 AWG

7258
22-28 AWG

Trifurcon™
3 point contact
for high vibration

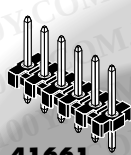
43061
High Pressure
Also available without ramp and ribs
or with ramp only



41695
Also available without ramp and ribs
or with ramp only

3069
Only available with or without ramp

BREAKAWAY HEADERS



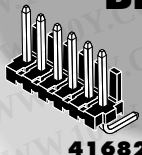
41661



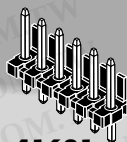
41662



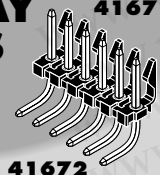
41671



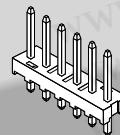
41682



41681



41672

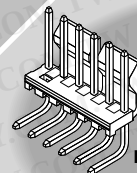


41771
(Square pin - shown)

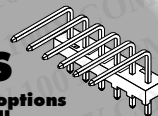
41741
(Round pin)

SOLID HEADERS

Press-fit or snap-in peg options
also available in all
header versions

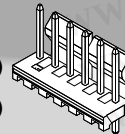


41792
(Square pin only)

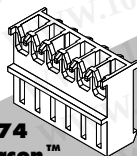


41772
(Square pin only)

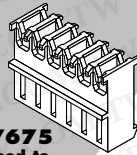
41791
(Square pin - shown)
41761
(Round pin)



7674
Trifurcon™
Feed-to (shown)
and feed through



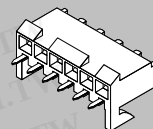
7675
Feed-to
and feed through (shown)



WIRE-TO-BOARD INSULATION DISPLACEMENT

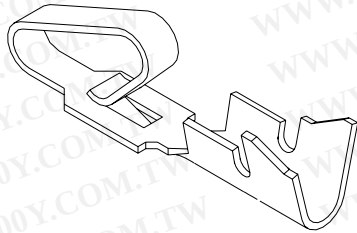
BOARD-TO-BOARD

41815 & 2145
Side, bottom (shown) and top entry



3.96mm (.156") Pitch KK® Crimp Terminal

2478/2578



Features and Benefits

- Double cantilever design
- Single beam terminal is available for low insertion force 7821 Series (contact Molex)
- For low-level current and voltage use Gold plating
- Phosphor Bronze is recommended for rated current
- Complete line of terminal crimping equipment available (see Application Tooling section of this catalog)

Reference Information

Product Specification: PS-08-50
Tooling Information: See crimp tooling section
UL File No.: E29179
CSA File No.: LR19980
Use With: 2139, 3069 and 41695

Electrical

Voltage: 250V AC max.

Current: Max.

AWG	18	20	22	24	26
Phosphor Bronze	7.00A	6.25A	5.50A	5.00A	4.50A
Brass	5.00A	4.75A	4.50A	4.25A	4.00A

Contact Resistance: 6 milliohms max.

Mechanical

Normal Force: 0.75kg (1.65 lb) per contact

Durability: 25 cycles max.

Physical

Contact: Brass or Phosphor Bronze

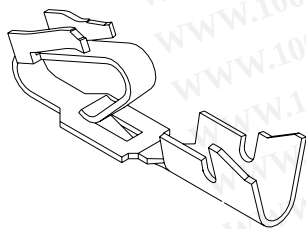
Wire Size AWG	Insulation OD	Series	Material	Order No.						Lead-free
				Tin Plating		Gold Plating No. 1		Gold Plating No. 2		
				Reel	Bag	Reel	Bag	Reel	Bag	
18-20	2.79 (.110)	max. 2478	Phosphor Bronze	08-52-0071	08-52-0072	08-58-0121	08-58-0122	08-65-0114	08-65-0115	Yes
			Brass	08-50-0105	08-50-0106	08-56-0105	08-56-0106	08-55-0103	08-55-0104	
22-26	1.65 (.065)	max. 2578	Phosphor Bronze	08-50-0133	08-50-0134	08-58-0125	08-58-0126	08-65-0116	08-65-0117	
			Brass	08-50-0107	08-50-0108	08-56-0107	08-56-0108	08-55-0105	08-55-0106	

Recommended wire range assumes stranded wire
Plating No. 1: 20µ" min. Gold in contact area with a flash overall
Plating No. 2: 15µ" min. Gold in contact area only

3.96mm (.156") Pitch KK® Crimp Terminal

6838/7258

Trifurcon™



Features and Benefits

- Complete line of terminal crimping equipment available (see Application Tooling section of this catalog)
- Accommodates 18 to 26 AWG
- Trifurcon design provides 3 distinct points of contact
- Ideal choice where high shock or vibration exists
- For low current/voltage, Gold is recommended
- Phosphor Bronze recommended for rated current

Reference Information

Product Specification: PS-40-02
Tooling Information: See crimp tooling section
Use With: 6442 and 41695 crimp terminal housings

Electrical

Voltage: 250V AC max.

Current: Max.

AWG	18	20	22	24	26
Phosphor Bronze	7.00A	6.25A	5.50A	5.00A	4.50A
Brass	5.00A	4.75A	4.50A	4.25A	4.00A

Contact Resistance: 6 milliohms max.

Mechanical

Normal Force: 0.75kg (1.65 lb) per contact

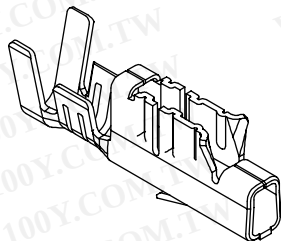
Durability: 25 cycles max.

Physical

Contact: Brass or Phosphor Bronze

Wire Size AWG	Insulation OD	Series	Material	Order No.						Lead-free
				Tin Plating		Gold Plating		Select Gold Plating		
				Reel	Bag	Reel	Bag	Reel	Bag	
18-20	2.79 (.110) max.	6838	Phosphor Bronze	08-52-0112	08-52-0113	08-58-0187	08-58-0189	08-58-0110	08-58-0111	Yes
			Brass	08-50-0187	08-50-0189					
22-26	1.65 (.065) max.	7258	Phosphor Bronze	08-52-0124	08-52-0125	08-56-0123	08-56-0124	08-65-0121	08-65-0122	
			Brass	08-50-0183	08-50-0185					

3.96mm (1.56") Pitch KK® Wire-to-Board Crimp Terminal 45570



Features and Benefits

- Four independent points of contact
- Two additional sacrificial contacts

Reference Information

Product Specification: PS-45570-001
Mates With: 3.96mm headers
Use With: 41695 and 6442 series

Electrical

Voltage: 600V
Current: 13.0A—see applicable product specification
Contact Resistance: 10 milliohms max.

Mechanical

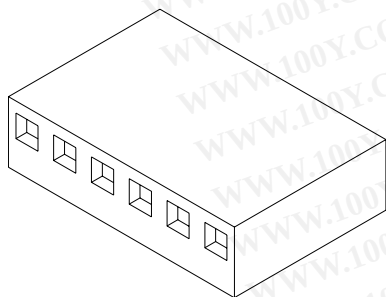
Mating Force: 8.89N max. per contact
Unmating Force: 2.20N min. per contact
Normal Force: 0.97N min. per contact—see applicable product specification
Durability: 25 cycles

Physical

Contact: Copper Alloy
Wire Gauge: 18 to 20 AWG

Order No.	Plating	Packaging	Lead-free
45570-3000	Tin-Preplate	Reel	Yes
45570-3050	Tin-Preplate	Bag	
45570-3002	Tin over Nickel Postplate	Reel	
45570-3052	Tin over Nickel Postplate	Bag	
45570-3004	30µ" Select Gold	Reel	
45570-3054	30µ" Select Gold	Bag	

3.96mm (.156") Pitch KK® Crimp Terminal Housing Receptacle 41695



Features and Benefits

- Sizes 2 to 20 circuits
- Locking ramp feature available
- Polarizing rib feature available for side-to-side polarization
- Offset pin entry holes provide 180° polarization
- Accepts entire line of .156" contacts
- Optional voids available

Reference Information

Product Specification: PS-08-50
UL File No.: E29179
CSA File No.: LR19980
Mates With: Molex KK 3.96mm (.156") pitch headers or 1.14mm (.045") pins
Use With: 2478, 2578, 6838 and 7258 terminals

Mechanical

Locking: Passive, none

Physical

Housing: Glass-filled polyester, UL 94V-0

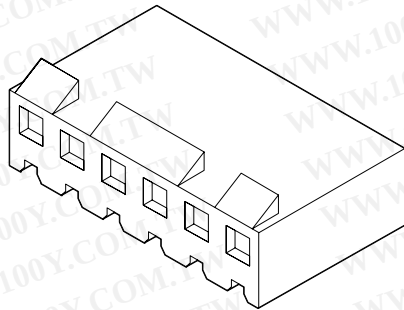
Circuits	Order No.		
	With Locking Ramp and Polarizing Ribs	Without Locking Ramp or Polarizing Ribs	With Locking Ramp Only
2	09-50-8023	09-50-8020	09-50-8021
3	09-50-8033	09-50-8030	09-50-8031
4	09-50-8043	09-50-8040	09-50-8041
5	09-50-8053	09-50-8050	09-50-8051
6	09-50-8063	09-50-8060	09-50-8061
7	09-50-8073	09-50-8070	09-50-8071
8	09-50-8083	09-50-8080	09-50-8081
9	09-50-8093	09-50-8090	09-50-8091
10	09-50-8103	09-50-8100	09-50-8101
11	09-50-8113	09-50-8110	09-50-8111

Note: When mating polarizing rib version with breakaway friction lock header or polarizing wall series, the end friction lock or polarizing wall of header must be removed.

Circuits	Order No.		
	With Locking Ramp and Polarizing Ribs	Without Locking Ramp or Polarizing Ribs	With Locking Ramp Only
12	09-50-8123	09-50-8120	09-50-8121
13	09-50-8133	09-50-8130	09-50-8131
14	09-50-8143	09-50-8140	09-50-8141
15	09-50-8153	09-50-8150	09-50-8151
16	09-50-8163	09-50-8160	09-50-8161
17	09-50-8173	09-50-8170	09-50-8171
18	09-50-8183	09-50-8180	09-50-8181
19	09-50-8193	09-50-8190	09-50-8191
20	09-50-8203	09-50-8200	09-50-8201

Order No.	
Polarizing Key	15-04-0297

3.96mm (.156") Pitch KK® Crimp Terminal Housing 2139



Features and Benefits

- Sizes 2 to 24 circuits
- Locking ramp available
- Molded void options available
- Standard ramp options available
- Polarizing pegs and keys available
- End-to-end stackable

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

Mates With: Molex KK 3.96mm (.156") pitch headers

or 1.14mm (.045") pins

Use With: 2478 and 2578

Mechanical

Locking: Passive, none

Physical

Housing: Nylon, UL 94V-2 (see 41695 for UL 94V-0 polyester)

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
2	09-50-7021	09-50-3021
3	09-50-7031	09-50-3031
4	09-50-7041	09-50-3041
5	09-50-7051	09-50-3051
6	09-50-7061	09-50-3061
7	09-50-7071	09-50-3071
8	09-50-7081	09-50-3081
9	09-50-7091	09-50-3091

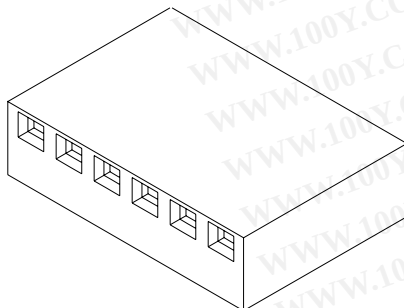
Note: Use 41695 for .100" and over insulation diameter wire

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
10	09-50-7101	09-50-3101
11	09-50-7111	09-50-3111
12	09-50-7121	09-50-3121
13	09-50-7131	09-50-3131
14	09-50-7141	09-50-3141
15	09-50-7151	09-50-3151
16	09-50-7161	09-50-3161
17	09-50-7171	09-50-3171

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
18	09-50-7181	09-50-3181
19	09-50-7191	09-50-3191
20	09-50-7201	09-50-3201
21	09-50-7211	09-50-3211
22	09-50-7221	09-50-3221
23	09-50-7231	09-50-3231
24	09-50-7241	09-50-3241

Order No.	
Polarizing Key	Polarizing Peg
15-04-0219	15-04-0220

3.96mm (.156") Pitch KK® Crimp Terminal Housing 6442 Use with Trifurcon™ Terminals



Features and Benefits

- Sizes 2 to 24 circuits
- Available with voided circuits in various locations
- Polarizing keys and pegs available
- Offset pin entry holes provide 180° polarization

Reference Information

Product Specification: PS-40-02

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: Molex KK 3.96mm (.156") pitch headers or

1.14mm (.045") pins

Use With: 6838 and 7258 Trifurcon terminals

Mechanical

Locking: Passive

Physical

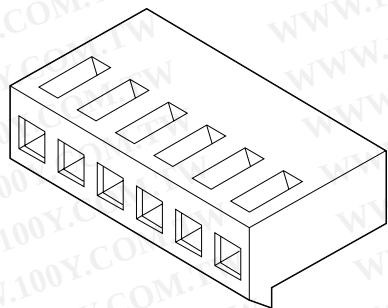
Housing: Nylon, UL 94V-2 (see 41695 for polyester, 94V-0)

Circuits	Order No.	
	With Ramp	Without Ramp
2	26-03-4020	26-03-3021
3	26-03-4030	26-03-3031
4	26-03-4041	26-03-3041
5	26-03-4050	26-03-3051
6	26-03-4061	26-03-3061
7	26-03-4070	26-03-3071
8	26-03-4081	26-03-3081
9	26-03-4090	26-03-3091

Circuits	Order No.	
	With Ramp	Without Ramp
10	26-03-4101	26-03-3101
11	26-03-4111	26-03-3111
12	26-03-4121	26-03-3121
13	26-03-4131	26-03-3131
14	26-03-4141	26-03-3141
15	26-03-4151	26-03-3151
16	26-03-4161	26-03-3161
17	26-03-4171	26-03-3171

Circuits	Order No.	
	With Ramp	Without Ramp
18	26-03-4181	26-03-3181
19	26-03-4191	26-03-3191
20	26-03-4201	26-03-3201
21	26-03-4211	26-03-3211
22	26-03-4221	26-03-3221
23	26-03-4231	26-03-3231
24	26-03-4241	26-03-3241

3.96mm (.156") Pitch KK® Wire-to-Board Crimp Terminal Housing 3069



Features and Benefits

- Sizes 2 to 20 circuits
- With or without locking ramp

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

Mates With: 2220, 3190, 3192, 3243, 3246, A4042, 41661, 41662, 41671, 41672, 41681, 41682, 41701, 41711, 41721, 41741, 41761, 41771, 41772, 41791, 41792, 42441, 42461, 42471, 42491 and 42492

Use With: Molex double cantilever crimp terminals

Mechanical

Locking: Passive, none

Physical

Housing: Nylon, UL 94V-2

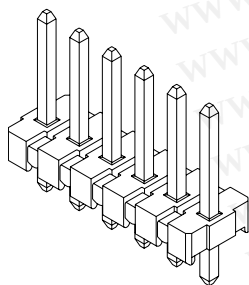
Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
2	09-92-0200	09-91-0200
3	09-92-0300	09-91-0300
4	09-92-0400	09-91-0400
5	09-92-0500	09-91-0500
6	09-92-0600	09-91-0600
7	09-92-0700	09-91-0700
8	09-92-0800	09-91-0800

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
9	09-92-0900	09-91-0900
10	09-92-1000	09-91-1000
11	09-92-1100	09-91-1100
12	09-92-1200	09-91-1200
13	09-92-1300	09-91-1300
14	09-92-1400	09-91-1400
15	09-92-1500	09-91-1500

Circuits	Order No.	
	Without Locking Ramp	With Locking Ramp
16	09-92-1600	09-91-1600
17	09-92-1700	09-91-1700
18	09-92-1800	09-91-1800
19	09-92-1900	09-91-1900
20	09-92-2000	09-91-2000

Order No.	
Polarizing Key	Polarizing Peg
15-04-0219	15-04-0220

3.96mm (.156") Pitch KK® Breakaway Header 41661 Vertical



Features and Benefits

- Sizes 2 to 24 circuits available
- Optional voided circuits available (contact Molex)
- Various pin lengths available (contact Molex)
- May be purchased in full 24 circuit sticks and broken into required circuit sizes

Reference Information

Product Specification: PS-41186/08-50

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: .2139, 2145, 6442, 7674, 7675, 41695 and 41815

Electrical

Voltage: 250V AC max.

Current: 7.0A max.*

Contact Resistance: 6 milliohms max.

Mechanical

Durability: Tin—25 cycles max.

Gold—100 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass, 1.14mm (.045") pins

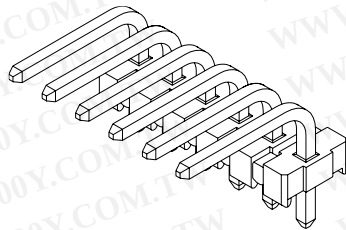
Circuits	Order No.			Lead-free
	Tin	15 μ m Select Gold	30 μ m Select Gold	
2	26-48-1021	41661-0001	41661-0024	Yes
3	26-48-1031	41661-0002	41661-0025	
4	26-48-1041	41661-0003	41661-0026	
5	26-48-1051	41661-0004	41661-0027	
6	26-48-1061	41661-0005	41661-0028	
7	26-48-1071	41661-0006	41661-0029	
8	26-48-1081	41661-0007	41661-0030	
9	26-48-1091	41661-0008	41661-0031	
10	26-48-1101	41661-0009	41661-0032	
11	26-48-1111	41661-0010	41661-0033	
12	26-48-1121	41661-0011	41661-0034	
13	26-48-1131	41661-0012	41661-0035	

Circuits	Order No.			Lead-free
	Tin	15 μ m Select Gold	30 μ m Select Gold	
14	26-48-1141	41661-0013	41661-0036	Yes
15	26-48-1151	41661-0014	41661-0037	
16	26-48-1161	41661-0015	41661-0038	
17	26-48-1171	41661-0016	41661-0039	
18	26-48-1181	41661-0017	41661-0040	
19	26-48-1191	41661-0018	41661-0041	
20	26-48-1201	41661-0019	41661-0042	
21	26-48-1211	41661-0020	41661-0043	
22	26-48-1221	41661-0021	41661-0044	
23	26-48-1231	41661-0022	41661-0045	
24	26-48-1241	41661-0023	41661-0046	

* Dependent upon connector and PC board

3.96mm (.156") Pitch KK® Breakaway Header

41662 Right Angle



Features and Benefits

- Sizes 2 to 24 circuits available
- Optional voided circuits available (contact Molex)
- Various pin lengths available (contact Molex)
- May be purchased in full 24 circuit sticks and broken into required circuit sizes

Reference Information

Product Specification: PS-41186/08-50

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: 2139, 2145, 6442, 7674, 7675, 41695 and 41815

Electrical

Voltage: 250V AC max.

Current: 7.0A max.*

Contact Resistance: 6 milliohms max.

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 50,000 Megohms min.

Mechanical

Durability: Tin—25 cycles max.

Gold—100 cycles max.

Physical

Housing: Glass-filled polyester, UL 94V-0

Contact: Brass

Circuits	Order No.			
	Square Pin			
	Tin	15µ" Select Gold	30µ" Select Gold	Overall Gold
2	26-48-1022	41662-0001	41662-0024	26-48-2022
3	26-48-1032	41662-0002	41662-0025	26-48-2032
4	26-48-1042	41662-0003	41662-0026	26-48-2042
5	26-48-1052	41662-0004	41662-0027	26-48-2052
6	26-48-1062	41662-0005	41662-0028	26-48-2062
7	26-48-1072	41662-0006	41662-0029	26-48-2072
8	26-48-1082	41662-0007	41662-0030	26-48-2082
9	26-48-1092	41662-0008	41662-0031	26-48-2092
10	26-48-1102	41662-0009	41662-0032	26-48-2102
11	26-48-1112	41662-0010	41662-0033	26-48-2112
12	26-48-1122	41662-0011	41662-0034	26-48-2122
13	26-48-1132	41662-0012	41662-0035	26-48-2132

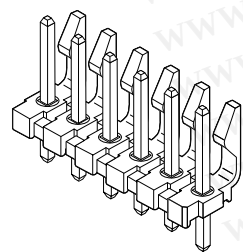
* Dependent upon connector and PC board

Note: Circuit number designation is for ordering purposes only, check corresponding circuit designation on mating connector

Circuits	Order No.			
	Square Pin			
	Tin	15µ" Select Gold	30µ" Select Gold	Overall Gold
14	26-48-1142	41662-0013	41662-0036	26-48-2142
15	26-48-1152	41662-0014	41662-0037	26-48-2152
16	26-48-1162	41662-0015	41662-0038	26-48-2162
17	26-48-1172	41662-0016	41662-0039	26-48-2172
18	26-48-1182	41662-0017	41662-0040	26-48-2182
19	26-48-1192	41662-0018	41662-0041	26-48-2192
20	26-48-1202	41662-0019	41662-0042	26-48-2202
21	26-48-1212	41662-0020	41662-0043	26-48-2212
22	26-48-1222	41662-0021	41662-0044	26-48-2222
23	26-48-1232	41662-0022	41662-0045	26-48-2232
24	26-48-1242	41662-0023	41662-0046	26-48-2242

3.96mm (.156") Pitch KK® Breakaway Header

41671/41711 Vertical, Friction Lock



Features and Benefits

- Sizes 2 to 24 circuits available
- Optional voided circuits available
- Various pin lengths available (contact Molex)
- May be purchased in full 24 circuit sticks and broken into required circuit sizes
- Passive locking feature is used to maintain interconnection and is ideal for high vibration applications

Reference Information

Product Specification: PS-41186/08-50

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: 2139, 2145, 3069, 3215, 6442, 7674, 7675, 41695 and 41815

Electrical

Voltage: 250V AC max.

Current: 7.0A max.*

Contact Resistance: 6 milliohms max.

Mechanical

Durability: Tin—25 cycles max.

Gold—100 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass

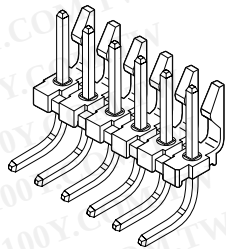
Circuits	Order No.				
	Square Pin			Round Pin	
	Tin	15µ" Select Gold	30µ" Select Gold	Tin	Overall Gold
2	26-48-1025	41671-0001	41671-0024	26-51-0022	26-51-2022
3	26-48-1035	41671-0002	41671-0025	26-51-0032	26-51-2032
4	26-48-1045	41671-0003	41671-0026	26-51-0042	26-51-2042
5	26-48-1055	41671-0004	41671-0027	26-51-0052	26-51-2052
6	26-48-1065	41671-0005	41671-0028	26-51-0062	26-51-2062
7	26-48-1075	41671-0006	41671-0029	26-51-0072	26-51-2072
8	26-48-1085	41671-0007	41671-0030	26-51-0082	26-51-2082
9	26-48-1095	41671-0008	41671-0031	26-51-0092	26-51-2092
10	26-48-1105	41671-0009	41671-0032	26-51-0102	26-51-2102
11	26-48-1115	41671-0010	41671-0033	26-51-0112	26-51-2112
12	26-48-1125	41671-0011	41671-0034	26-51-0122	26-51-2122
13	26-48-1135	41671-0012	41671-0035	26-51-0132	26-51-2132

* Dependent upon connector and PC board

Circuits	Order No.				
	Square Pin			Round Pin	
	Tin	15µ" Select Gold	30µ" Select Gold	Tin	Overall Gold
14	26-48-1145	41671-0013	41671-0036	26-51-0142	26-51-2142
15	26-48-1155	41671-0014	41671-0037	26-51-0152	26-51-2152
16	26-48-1165	41671-0015	41671-0038	26-51-0162	26-51-2162
17	26-48-1175	41671-0016	41671-0039	26-51-0172	26-51-2172
18	26-48-1185	41671-0017	41671-0040	26-51-0182	26-51-2182
19	26-48-1195	41671-0018	41671-0041	26-51-0192	26-51-2192
20	26-48-1205	41671-0019	41671-0042	26-51-0202	26-51-2202
21	26-48-1215	41671-0020	41671-0043	26-51-0212	26-51-2212
22	26-48-1225	41671-0021	41671-0044	26-51-0222	26-51-2222
23	26-48-1235	41671-0022	41671-0045	26-51-0232	26-51-2232
24	26-48-1245	41671-0023	41671-0046	26-51-0242	26-51-2242

3.96mm (.156") Pitch KK® Breakaway Header

41672 Right Angle, Friction Lock



Features and Benefits

- Sizes 2 to 24 circuits available
- Optional voided circuits available (contact Molex)
- Various pin lengths available (contact Molex)
- PCB edge mount only
- May be purchased in full 24 circuit sticks and broken into required circuit sizes

Reference Information

Product Specification: PS-41186/08-50
UL File No.: E29179
CSA File No.: LR19980
TUV File No.: R75108
Mates With: 2139, 2145, 3069, 3215, 6442, 7674,
7675, 41695 and 41815

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 6 milliohms max.

Mechanical

Durability: Tin—25 cycles max.
Gold—100 cycles max.

Physical

Housing: Polyester, UL 94V-0
Contact: Brass

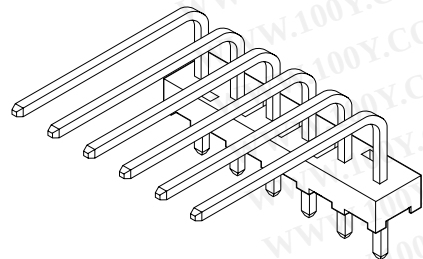
Circuits	Order No.				Lead-free
	Tin	15 μ " Select Gold	30 μ " Select Gold	Overall Gold	
2	26-48-1026	41672-0001	41672-0024	26-48-2026	Yes
3	26-48-1036	41672-0002	41672-0025	26-48-2036	
4	26-48-1046	41672-0003	41672-0026	26-48-2046	
5	26-48-1056	41672-0004	41672-0027	26-48-2056	
6	26-48-1066	41672-0005	41672-0028	26-48-2066	
7	26-48-1076	41672-0006	41672-0029	26-48-2076	
8	26-48-1086	41672-0007	41672-0030	26-48-2086	
9	26-48-1096	41672-0008	41672-0031	26-48-2096	
10	26-48-1106	41672-0009	41672-0032	26-48-2106	
11	26-48-1116	41672-0010	41672-0033	26-48-2116	
12	26-48-1126	41672-0011	41672-0034	26-48-2126	
13	26-48-1136	41672-0012	41672-0035	26-48-2136	

Circuit number designation is for ordering purposes only, check corresponding circuit designation on mating connector

Circuits	Order No.				Lead-free
	Tin	15 μ " Select Gold	30 μ " Select Gold	Overall Gold	
14	26-48-1146	41672-0013	41672-0036	26-48-2146	Yes
15	26-48-1156	41672-0014	41672-0037	26-48-2156	
16	26-48-1166	41672-0015	41672-0038	26-48-2166	
17	26-48-1176	41672-0016	41672-0039	26-48-2176	
18	26-48-1186	41672-0017	41672-0040	26-48-2186	
19	26-48-1196	41672-0018	41672-0041	26-48-2196	
20	26-48-1206	41672-0019	41672-0042	26-48-2206	
21	26-48-1216	41672-0020	41672-0043	26-48-2216	
22	26-48-1226	41672-0021	41672-0044	26-48-2226	
23	26-48-1236	41672-0022	41672-0045	26-48-2236	
24	26-48-1246	41672-0023	41672-0046	26-48-2246	

3.96mm (.156") Pitch KK® Solid Header

41772 Right Angle Without Pegs



Features and Benefits

- Sizes 2 to 18 circuits
- Optional voided circuits available (contact Molex)
- Various pin lengths available (contact Molex)
- End-to-end stackable

Reference Information

Product Specification: PS-08-50
UL File No.: E29179
CSA File No.: LR19980
TUV File No.: R75108
Mates With: 2139, 2145, 3069, 6442, 7674, 7675,
41695 and 41815

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 6 milliohms max.

Mechanical

Durability: Tin—25 cycles max.
Gold—100 cycles max.

Physical

Housing: Polyester, UL 94V-0
Contact: Brass

Circuits	Order No.			
	Tin	15 μ " Select Gold	30 μ " Select Gold	Overall Gold
2	26-60-3020	41772-0463	41772-0480	26-61-3020
3	26-60-3030	41772-0464	41772-0481	26-61-3030
4	26-60-3040	41772-0465	41772-0482	26-61-3040
5	26-60-3050	41772-0466	41772-0483	26-61-3050
6	26-60-3060	41772-0467	41772-0484	26-61-3060
7	26-60-3070	41772-0468	41772-0485	26-61-3070
8	26-60-3080	41772-0469	41772-0486	26-61-3080
9	26-60-3090	41772-0470	41772-0487	26-61-3090
10	26-60-3100	41772-0471	41772-0488	26-61-3100

Circuit number designation is for ordering purposes only, check corresponding circuit designation on mating connector

Circuits	Order No.			
	Tin	15 μ " Select Gold	30 μ " Select Gold	Overall Gold
11	26-60-3110	41772-0472	41772-0489	26-61-3110
12	26-60-3120	41772-0473	41772-0490	26-61-3120
13	26-60-3130	41772-0474	41772-0491	26-61-3130
14	26-60-3140	41772-0475	41772-0492	26-61-3140
15	26-60-3150	41772-0476	41772-0493	26-61-3150
16	26-60-3160	41772-0477	41772-0494	26-61-3160
17	26-60-3170	41772-0478	41772-0495	26-61-3170
18	26-60-3180	41772-0479	41772-0496	26-61-3180

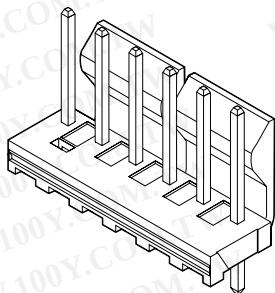
3.96mm (.156") Pitch

KK®

Solid Header

41791

Vertical, Friction Lock



Features and Benefits

- Sizes 2 to 18 circuits
- Provides left to right polarization when mated with 41695 or 43061 .156" crimp housing with the optional polarizing ribs
- Various pin lengths available
- Voids circuits available (contact Molex)
- Passive locking feature is used to maintain interconnection, ideal for high vibration applications
- End-to-end stackable

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: 2139, 2145, 3069, 6442, 7674, 7675, 41695 and 41815

Electrical

Voltage: 250V

Current: 7.0A

Contact Resistance: 6 milliohms max.

Mechanical

Durability: Tin—25 cycles max.

Gold—100 cycles max.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass

Circuits	Order No.				Lead-free
	Tin	15µ" Select Gold	30µ" Select Gold	Overall Gold	
2	26-60-4020	41791-0832	41791-0849	26-61-4020	Yes
3	26-60-4030	41791-0833	41791-0850	26-61-4030	
4	26-60-4040	41791-0834	41791-0851	26-61-4040	
5	26-60-4050	41791-0835	41791-0852	26-61-4050	
6	26-60-4060	41791-0836	41791-0853	26-61-4060	
7	26-60-4070	41791-0837	41791-0854	26-61-4070	
8	26-60-4080	41791-0838	41791-0855	26-61-4080	
9	26-60-4090	41791-0839	41791-0856	26-61-4090	
10	26-60-4100	41791-0840	41791-0857	26-61-4100	

Circuit number designation is for ordering purposes only, check corresponding circuit designation on mating connector

Circuits	Order No.				Lead-free
	Tin	15µ" Select Gold	30µ" Select Gold	Overall Gold	
11	26-60-4110	41791-0841	41791-0858	26-61-4110	Yes
12	26-60-4120	41791-0842	41791-0859	26-61-4120	
13	26-60-4130	41791-0843	41791-0860	26-61-4130	
14	26-60-4140	41791-0844	41791-0861	26-61-4140	
15	26-60-4150	41791-0845	41791-0862	26-61-4150	
16	26-60-4160	41791-0846	41791-0863	26-61-4160	
17	26-60-4170	41791-0847	41791-0864	26-61-4170	
18	26-60-4180	41791-0848	41791-0865	26-61-4180	

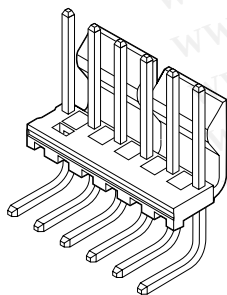
3.96mm (.156") Pitch

KK®

Solid Header

41792

Right Angle, Friction Lock



Features and Benefits

- Sizes 2 to 18 circuits
- Provides left to right polarization when mated with 41695 or 43061 .156" crimp housing with the optional polarizing ribs
- Various pin lengths available (contact Molex)
- Optional voided circuits available
- End-to-end stackable

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: 2139, 2145, 3069, 6442, 7674, 7675, 41695 and 41815

Electrical

Voltage: 250V

Current: 7.0A

Contact Resistance: 6 milliohms max.

Mechanical

Durability: Tin—25 cycles max.

Gold—100 cycles max.

Physical

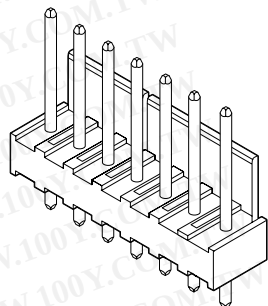
Housing: Polyester, UL 94V-0

Contact: Brass

Circuits	Order No.				Lead-free
	Tin	15µ" Select Gold	30µ" Select Gold	Overall Gold	
2	26-60-5020	41792-0511	41792-0528	26-61-5020	Yes
3	26-60-5030	41792-0512	41792-0529	26-61-5030	
4	26-60-5040	41792-0513	41792-0530	26-61-5040	
5	26-60-5050	41792-0514	41792-0531	26-61-5050	
6	26-60-5060	41792-0515	41792-0532	26-61-5060	
7	26-60-5070	41792-0516	41792-0533	26-61-5070	
8	26-60-5080	41792-0517	41792-0534	26-61-5080	
9	26-60-5090	41792-0518	41792-0535	26-61-5090	
10	26-60-5100	41792-0519	41792-0536	26-61-5100	

Circuit number designation is for ordering purposes only, check corresponding circuit designation on mating connector

Circuits	Order No.				Lead-free
	Tin	15µ" Select Gold	30µ" Select Gold	Overall Gold	
11	26-60-5110	41792-0520	41792-0537	26-61-5110	Yes
12	26-60-5120	41792-0521	41792-0538	26-61-5120	
13	26-60-5130	41792-0522	41792-0539	26-61-5130	
14	26-60-5140	41792-0523	41792-0540	26-61-5140	
15	26-60-5150	41792-0524	41792-0541	26-61-5150	
16	26-60-5160	41792-0525	41792-0542	26-61-5160	
17	26-60-5170	41792-0526	41792-0543	26-61-5170	
18	26-60-5180	41792-0527	41792-0544	26-61-5180	

3.96mm (.156") Pitch**KK®****Header****3190****Vertical, Round Pin
Polarizing Wall****Features and Benefits**

- Sizes 2 to 20 circuits

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

Mates With: Molex .156" connectors

Electrical

Voltage: 250V

Current: 7.0A

Contact Resistance: 20 milliohms max.

Mechanical

Mating Force: 24 oz max. per contact

Unmating Force: 4 oz min. per contact

Normal Force: 350g

Durability: Tin—25 cycles

Gold—50 cycles

Physical

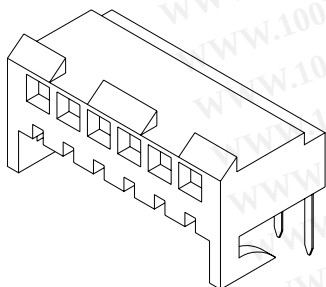
Housing: Nylon, UL 94V-0

Contact: Brass

Circuits	Order No.		Lead-free
	Tin	Gold	
2	26-19-2021	26-22-2021	Yes
3	26-19-2031	26-22-2031	
4	26-19-2041	26-22-2041	
5	26-19-2051	26-22-2051	
6	26-19-2061	26-22-2061	
7	26-19-2071	26-22-2071	
8	26-19-2081	26-22-2081	

Circuits	Order No.		Lead-free
	Tin	Gold	
9	26-19-2091	26-22-2091	Yes
10	26-19-2101	26-22-2101	
11	26-19-2111	26-22-2111	
12	26-19-2121	26-22-2121	
13	26-19-2131	26-22-2131	
14	26-19-2141	26-22-2141	
15	26-19-2151	26-22-2151	

Circuits	Order No.		Lead-free
	Tin	Gold	
16	26-19-2161	26-22-2161	Yes
17	26-19-2171	26-22-2171	
18	26-19-2181	26-22-2181	
19	26-19-2191	26-22-2191	
20	26-19-2201	26-22-2201	

3.96mm (.156") Pitch**KK®****PC Board Connector****41815****Right Angle****Features and Benefits**

- Sizes 2 to 15 circuits
- Large lead-in chamfers
- Side entry mount
- Polarizing key available
- Various tail lengths available
- Single beam available for low insertion force

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") pins

Electrical

Voltage:

250V AC max.

Current: 5.0A max.* per contact

Contact Resistance: 6 milliohms max.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass or Phosphor Bronze

Circuits	Order No.		Lead-free
	Tin	Select Gold	
2	09-48-1024	09-48-3025	Yes
3	09-48-1034	09-48-3035	
4	09-48-1044	09-48-3045	
5	09-48-1054	09-48-3055	
6	09-48-1064	09-48-3065	
7	09-48-1074	09-48-3075	
8	09-48-1084	09-48-3085	

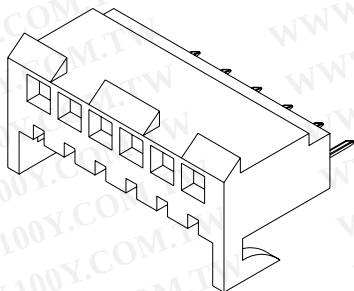
* Dependent upon PC board

Circuits	Order No.		Lead-free
	Tin	Select Gold	
9	09-48-1094	09-48-3095	Yes
10	09-48-1104	09-48-3105	
11	09-48-1114	09-48-3115	
12	09-48-1124	09-48-3125	
13	09-48-1134	09-48-3135	
14	09-48-1144	09-48-3145	
15	09-48-1154	09-48-3155	

Order No.	
Polarizing Key	15-04-0297

3.96mm (.156") Pitch KK® PC Board Connector

41815 Top Entry



Features and Benefits

- Sizes 2 to 15 circuits
- Large lead-in chamfers
- Top entry mount
- Available with hooks removed (contact Molex)
- Polarizing key available
- Kinked terminal option available, and single beam available for low insertion force

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") staked pins

Electrical

Voltage: 250V AC max.

Current: 5.0A max.*

Contact Resistance: 6 milliohms max.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass or Phosphor Bronze

Circuits	Order No.		Lead-free
	Tin	Select Gold	
2	09-48-4028	09-48-3026	Yes
3	09-48-4038	09-48-3036	
4	09-48-4048	09-48-3046	
5	09-48-4058	09-48-3056	
6	09-48-4068	09-48-3066	
7	09-48-4078	09-48-3076	
8	09-48-4088	09-48-3086	

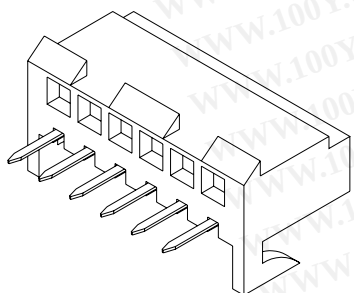
* Dependent upon PC board

Circuits	Order No.		Lead-free
	Tin	Select Gold	
9	09-48-4098	09-48-3096	Yes
10	09-48-4108	09-48-3106	
11	09-48-4118	09-48-3116	
12	09-48-4128	09-48-3126	
13	09-48-4138	09-48-3136	
14	09-48-4148	09-48-3146	
15	09-48-4158	09-48-3156	

Order No.	
Polarizing Key	15-04-0297

3.96mm (.156") Pitch KK® PC Board Connector

41815 Bottom Entry



Features and Benefits

- Sizes 2 to 15 circuits
- Large lead-in chamfers
- Bottom entry mount
- Polarizing key available
- Mating headers must be long enough to accommodate board thickness

Reference Information

Product Specification: PS-08-50

UL File No.: E29179

CSA File No.: LR19980

Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") staked pins

Electrical

Voltage: 250V AC max.

Current: 5.0A max.*

Contact Resistance: 6 milliohms max.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass or Phosphor Bronze

Circuits	Order No.		Lead-free
	Tin	Select Gold	
2	09-48-4029	09-48-3024	Yes
3	09-48-4039	09-48-3034	
4	09-48-4049	09-48-3044	
5	09-48-4059	09-48-3054	
6	09-48-4069	09-48-3064	
7	09-48-4079	09-48-3074	
8	09-48-4089	09-48-3084	

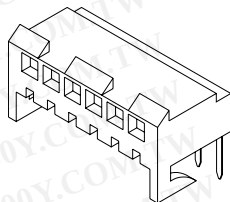
* Dependent upon PC board

Circuits	Order No.		Lead-free
	Tin	Select Gold	
9	09-48-4099	09-48-3094	Yes
10	09-48-4109	09-48-3104	
11	09-48-4119	09-48-3114	
12	09-48-4129	09-48-3124	
13	09-48-4139	09-48-3134	
14	09-48-4149	09-48-3144	
15	09-48-4159	09-48-3154	

Order No.	
Polarizing Key	15-04-0297

3.96mm (.156") Pitch KK® PC Board Connector

2145/3215 Right Angle



Features and Benefits

- Sizes 2 to 15 circuits
- Polarizing key and peg available
- Various pin lengths available
- Single beam available for low insertion force

Reference Information

Packaging: Bag or tray
UL File No.: E29179
CSA File No.: LR19980
Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") pins
Designed In: Inches

Electrical

Voltage: 250V AC max.
Current: 5.0A max. *
Contact Resistance: 6 milliohms max.
Dielectric Withstanding Voltage: 1500V AC
Insulation Resistance: 50K Megohms min.

Physical

Housing: Nylon, UL 94V-2
(see 41815 for polyester, UL 94V-0)
Contact: Brass or Phosphor Bronze
Plating: See Table

	Order No.
Polarizing Key	15-04-0219
Polarizing Peg	15-04-0220

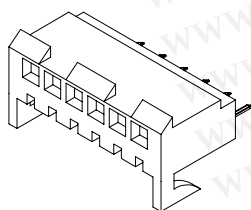
Circuits	Order No.						Center Hook(s) Location
	2145			3215†			
	Tin	Select Gold	Lead-free	Tin	Select Gold	Lead-free	
2	09-52-1026	09-62-3021	Yes				
3	09-52-1036	09-62-3031		26-11-6034	26-11-6031		
4	09-52-1046	09-62-3041		26-11-6044	26-11-6041		
5	09-52-1056	09-62-3051		26-11-6054	26-11-6051		
6	09-52-1066	09-62-3061		26-11-6064	26-11-6061		
7	09-52-1076	09-62-3071		26-11-6074	26-11-6071		
8	09-52-1086	09-62-3081		26-11-6084	26-11-6081		(1) between circuits 4-5
9	09-52-1096	09-62-3091		26-11-6094	26-11-6091		(1) between circuits 5-6
10	09-52-1106	09-62-3101		26-11-6104	26-11-6101		
11	09-52-1116	09-62-3111		26-11-6114	26-11-6111		(2) between circuits 4-5 and 8-9
12	09-52-1126	09-62-3121		26-11-6124	26-11-6121		
13	09-52-1136	09-62-3131			26-11-6131		
14	09-52-1146	09-62-3141			26-11-6141		
15	09-52-1156	09-62-3151		26-11-6154	26-11-6151		(2) between circuits 5-6 and 10-11

* Dependent upon PC board

† Preferred version in Europe and the Far East

3.96mm (.156") Pitch KK® PC Board Connector

2145/3215 Top Entry



Features and Benefits

- Sizes 2 to 15 circuits
- Available without locking ramp or hook
- Polarizing key available
- Various tail lengths available
- Available with kinked tail option or single beam for low insertion force

Reference Information

Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") stacked pins
Designed In: Inches

Electrical

Voltage: 250V
Current: 5.0A max. *
Contact Resistance: 6 milliohms max.
Dielectric Withstanding Voltage: 1500V AC
Insulation Resistance: 50K Megohms min.

Physical

Housing: Nylon, UL 94V-2
(see 41815 for polyester, UL 94V-0)
Contact: Brass or Phosphor Bronze
Plating: See Table

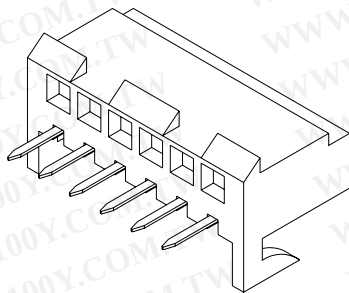
	Order No.
Polarizing Key	15-04-0297

Circuits	Order No.						Center Hook(s) Location
	2145			3215†			
	Tin	Select Gold	Lead-free	Tin	Select Gold	Lead-free	
2	09-62-6025	09-62-3023	Yes			Yes	
3	09-62-6035	09-62-3033		26-11-2033	26-30-1033		
4	09-62-6045	09-62-3043		26-11-2043	26-30-1043		
5	09-62-6055	09-62-3053		26-11-2053	26-30-1053		
6	09-62-6065	09-62-3063		26-11-2063	26-30-1063		
7	09-62-6075	09-62-3073		26-11-2073	26-30-1073		
8	09-62-6085	09-62-3083		26-11-2083	26-30-1083		(1) between circuits 4-5
9	09-62-6095	09-62-3093		26-11-2093	26-30-1093		(1) between circuits 5-6
10	09-62-6105	09-62-3103		26-11-2103	26-30-1103		
11	09-62-6115	09-62-3113		26-11-2113	26-30-1113		(2) between circuits 4-5 and 8-9
12	09-62-6125	09-62-3123		26-11-2123	26-30-1123		
13	09-62-6135	09-62-3133		26-11-2133	26-30-1133		
14	09-62-6145	09-62-3143		23-11-2143	26-30-1143		
15	09-62-6155	09-62-3153		26-11-2153	26-30-1153		(2) between circuits 5-6 and 10-11

* Dependent upon PC board

† Preferred version in Europe and the Far East

3.96mm (.156") Pitch KK® PC Board Connector 2145/3215 Bottom Entry



Features and Benefits

- Sizes 2 to 15 circuits
- Mating headers must be long enough to accommodate board thickness
- Polarizing key available
- Available without hooks (contact Molex)
- Various tail lengths available

Reference Information

Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") pins
Designed In: Inches

Electrical

Voltage: 250V AC
Current: 5.0A max.*
Contact Resistance: 6 milliohms max.
Dielectric Withstanding Voltage: 1500V AC
Insulation Resistance: 50K Megohms min.

Physical

Housing: Nylon, UL 94V-2
(see 41815 for polyester, UL 94V-0)
Contact: Brass or Phosphor Bronze
Plating: See Table

Order No.
15-04-0297

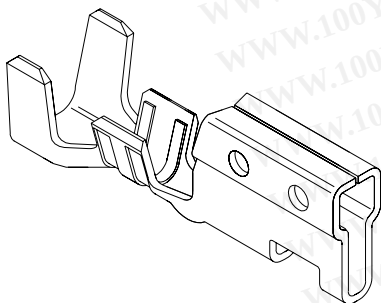
5†				Center Hook(s) Location
Select Gold		Lead-free		
26-29-1031	Yes			
26-29-1041				
26-29-1051				
26-29-1061				
26-29-1071				
26-29-1081		(1) between circuits 4-5		
26-29-1091		(1) between circuits 5-6		
26-29-1101				
26-29-1111		(2) between circuits 4-5 and 8-9		
26-29-1121				
26-29-1131				
26-29-1141				
26-29-1151		(2) between circuits 5-6 and 10-11		

* Dependent upon PC board

† Preferred version in Europe and the Far East

www.molex.com/product/kk/kk.html

3.96mm (.156") Pitch Macro-SPOX™ Crimp Terminal 5194/5225 Spring Box



Features and Benefits

- Four-point contact
- Anti-fishhooking contact design

Reference Information

Packaging: Reel or bag
Use With: 5195-N, 5196-N, 5197-N, 5198-N,
5199-N and 43061 housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current:
5194—7.0A max.
5225—4.0A max.

Physical

Contact: Brass and Phosphor Bronze
Plating: Tin
Wire Accommodation: 5194—18 to 24 AWG
5225—22 to 28 AWG
Strip Length: 3.0 to 3.5mm

Order No.	Contact Material	Terminal	Insulation Diameter	Lead-free	
08-70-1031	Tin-Plated Brass	Reel	1.30-3.20mm	Yes	
08-70-1030		Bag			
39-00-0021	Tin-Plated Phosphor Bronze	Reel			
39-00-0022		Bag			
08-70-1029	Tin-Plated Brass	Reel	1.20-2.60mm		
08-70-1028		Bag			

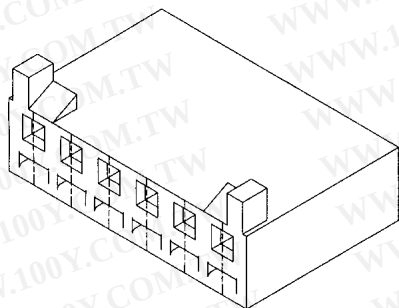
Recommended wire range assumes stranded wire

www.molex.com/product/spox.html



MX10 D-13

3.96mm (.156") Pitch SPOX™ Crimp Housing Receptacle 43061



Features and Benefits

- Sizes 2 to 12 circuits
- Ramp and ribs provide 180° and side-to-side polarization
- Housing option A provides passive retention to headers with friction lock backwalls
- Integral housing latch eliminates potential for terminal back-out due to damaged locking tangs
- Spring box terminal design offers 4 points of contact; this interconnect system is recommended for severe environmental and high vibration applications

Reference Information

Product Specification: PS-5194/5225

UL File No.: E29179

CSA File No.: LR19980

TUV File No.: R75108

Mates With: Molex KK 3.96mm (.156") pitch header or 1.14mm (.045") pins

Use With: 5194 and 5225

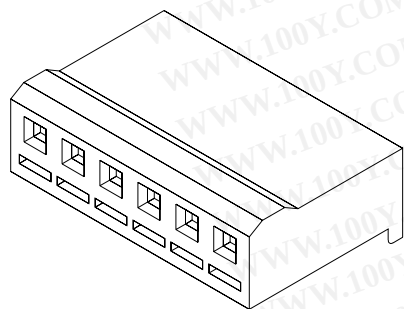
Physical

Housing: White polyester, UL 94V-0

Circuits	Order No.	
	With Ramps and Ribs	Without Ramps and Ribs
2	43061-0002	43061-0013
3	43061-0003	43061-0014
4	43061-0004	43061-0015
5	43061-0005	43061-0016
6	43061-0006	43061-0017
7	43061-0007	43061-0018

Circuits	Order No.	
	With Ramps and Ribs	Without Ramps and Ribs
8	43061-0008	43061-0019
9	43061-0009	43061-0020
10	43061-0010	43061-0021
11	43061-0011	43061-0022
12	43061-0012	43061-0023

3.96mm (.156") Pitch SPOX™ Crimp Terminal Housing 5195-N



Features and Benefits

- Sizes 2 to 12 circuits
- With locking ramp
- Molded-in locking arm for terminal

Reference Information

Product Specification: Refer to Mates With items

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 5271-NA, 5272-NA, 5273-NA, 5274-NA and 5096-NC headers

Use With: 5194/5225

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 7.0A max.

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1500V AC/1 min.

Insulation Resistance: 1000 Megohms min.

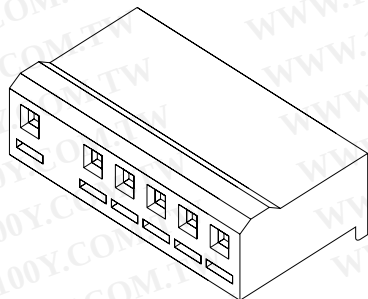
Physical

Housing: Nylon, UL 94V-2

Circuits	Order No.
2	09-50-1021
3	09-50-1031
4	09-50-1041
5	09-50-1051
6	09-50-1061
7	09-50-1071

Circuits	Order No.
8	09-50-1081
9	09-50-1091
10	09-50-1101
11	09-50-1111
12	09-50-1121

3.96mm (.156") Pitch SPOX™ Crimp Terminal Housing 5196-N



Features and Benefits

- Sizes 2 to 12 circuits
- With locking ramp
- Second circuits blanked for polarization
- Molded pull tab
- Molded-in locking arm for terminal

Reference Information

Product Specification: Refer to Mates With items
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5275-NA, 5277-NA headers
Use With: 5194/5225
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

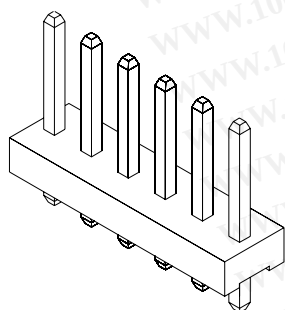
Housing: Nylon, UL 94V-2

Circuits	Order No.
2	09-50-1023
3	09-50-1033
4	09-50-1043
5	09-50-1053
6	09-50-1063
7	09-50-1073

Circuits	Order No.
8	09-50-1083
9	09-50-1093
10	09-50-1103
11	09-50-1113
12	09-50-1123

www.molex.com/product/spox.html

3.96mm (.156") Pitch SPOX™ and KK® Header 5271-NA Vertical



Features and Benefits

- Sizes 2 to 12 circuits

Reference Information

Product Specification: PS-5195-004
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5195-N, 5239-N and
5145-NAH/NCH housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

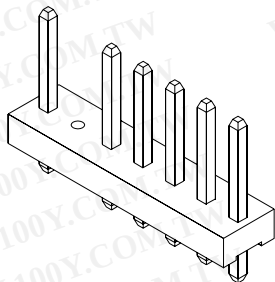
Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

Circuits	Order No.	Lead-free
2	09-67-4021	Yes
3	09-67-4031	
4	09-67-4041	
5	09-67-4051	
6	09-67-4061	
7	09-67-4071	

Circuits	Order No.	Lead-free
8	09-67-4081	Yes
9	09-67-4091	
10	09-67-4101	
11	09-67-4111	
12	09-67-4121	

3.96mm (.156") Pitch SPOX™ and KK® Header

5275-NA Vertical



Features and Benefits

- Sizes 2 to 11 circuits
- Second circuit blanked for polarization

Reference Information

Product Specification: PS-5196-004
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5196-N
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

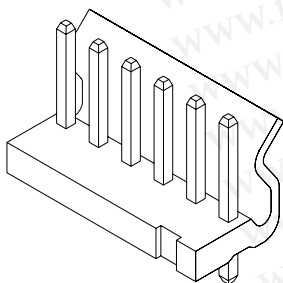
Circuits	Order No.	Lead-free
2	09-67-4022	Yes
3	09-67-4032	
4	09-67-4042	
5	09-67-4052	
6	09-67-4062	

Circuits	Order No.	Lead-free
7	09-67-4072	Yes
8	09-67-4082	
9	09-67-4092	
10	09-67-4102	
11	09-67-4112	

www.molex.com/customer.html?seriesNumber=5275

3.96mm (.156") Pitch SPOX™ Header

5273-NA Vertical Friction Lock



Features and Benefits

- Sizes 2 to 8 circuits

Reference Information

Product Specification: PS-5195-005
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5195-N and 5239-N housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

Circuits	Order No.	Lead-free
2	09-65-2028	Yes
3	09-65-2038	
4	09-65-2048	
5	09-65-2058	
6	09-65-2068	
7	09-65-2078	
8	09-65-2088	

3.96mm (.156") Pitch

SPOX™

Header

5277-NA

Vertical

Friction Lock

Features and Benefits

- Sizes 2 to 8 circuits
- Locking ramp

Reference Information

Product Specification: PS-5196-006

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 5196-N housings

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 7.0A max.

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1500V AC/1 min.

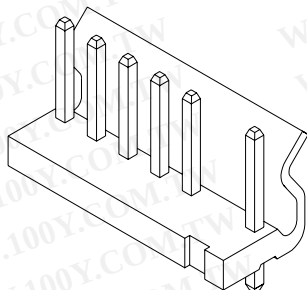
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2

Contact: Brass

Plating: Tin over Copper



Circuits	Order No.	Lead-free
2	09-65-2029	Yes
3	09-65-2039	
4	09-65-2049	
5	09-65-2059	
6	09-65-2069	
7	09-65-2079	
8	09-65-2089	

www.molex.com/product/spox.html

3.96mm (.156") Pitch

SPOX™ and KK®

Header

5272-NA

Right Angle

Features and Benefits

- Sizes 2 to 12 circuits

Reference Information

Product Specification: PS-5195-004

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 5195-N and 5239-N housings

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 7.0A max.

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1500V AC/1 min.

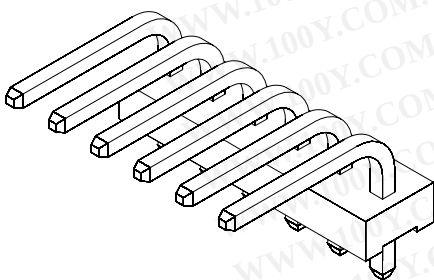
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2

Contact: Brass

Plating: Tin over Copper

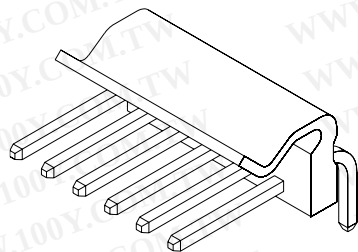


Circuits	Order No.	Lead-free
2	09-66-5022	Yes
3	09-66-5032	
4	09-66-5042	
5	09-66-5052	
6	09-66-5062	
7	09-66-5072	

Circuits	Order No.	Lead-free
8	09-66-5082	Yes
9	09-66-5092	
10	09-66-5102	
11	09-66-5112	
12	09-66-5122	

3.96mm (.156") Pitch SPOX™ Header

5274-NA
Right Angle
Friction Lock



Circuits	Order No.	Lead-free
2	09-75-2024	Yes
3	09-75-2034	
4	09-75-2044	
5	09-75-2054	
6	09-75-2064	

Features and Benefits

- Sizes 2 to 6 circuits

Reference Information

Product Specification: PS-5195-005
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5195-N and 5239-N housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

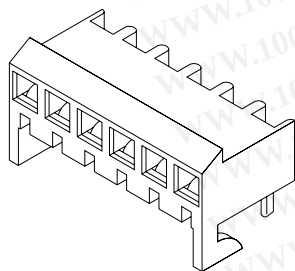
Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

www.molex.com/product/spox.html

3.96mm (.156") Pitch PC Board Connector

5145-NAH
Right Angle Mount



Features and Benefits

- Sizes 2 to 12 circuits

Reference Information

UL File No.: E29179
CSA File No.: LR19980
Mates With: 5271-NA headers and 0.156" headers

Electrical

Voltage: 250V
Current: 5.0A
Contact Resistance: 10 milliohms max.

Physical

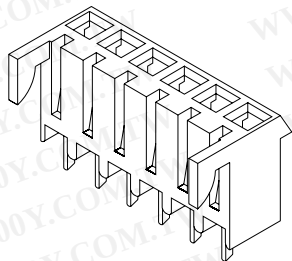
Housing: 6/6 nylon, UL 94V-2
Contact: Brass

Circuits	Order No.	Additional PCB Edge Guide	Lead-free
2	26-01-1026	None	Yes
3	26-01-1036		
4	26-01-1046		
5	26-01-1056		
6	26-01-1066		
7	26-01-1076		

Circuits	Order No.	Additional PCB Edge Guide	Lead-free
8	26-01-1086	Between 4 and 5 Circuits	Yes
9	26-01-1096		
10	26-01-1106		
11	26-01-1116	Between 5 and 6 Circuits	
12	26-01-1126	Between 4/5 and 8/9 Circuits	

3.96mm (.156") Pitch PC Board Connector

5145-NCH Top Entry



Features and Benefits

- Sizes 2 to 12 circuits

Reference Information

UL File No.: E29179

CSA File No.: LR19980

Mates With: 5271-NA headers

Electrical

Voltage: 250V

Current: 5.0A

Contact Resistance: 10 milliohms max.

Physical

Housing: 6/6 nylon, UL 94V-2

Contact: Brass

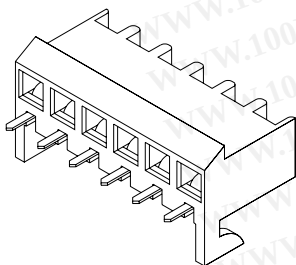
Plating: Tin

Circuits	Order No.	Additional PCB Edge Guide	Lead-free
2	26-01-1029	None	Yes
3	26-01-1039		
4	26-01-1049		
5	26-01-1059		
6	26-01-1069		

Circuits	Order No.	Additional PCB Edge Guide	Lead-free
7	26-01-1079	None	Yes
8	26-01-1089	Between 4 and 5 Circuits	
9	26-01-1099	Between 5 and 6 Circuits	
10	26-01-1109		
12	26-01-1129	Between 4/5 and 8/9 Circuits	

3.96mm (.156") Pitch PC Board Connector

5145-NBH Bottom Entry



Features and Benefits

- Sizes 2 to 12 circuits

Reference Information

UL File No.: E29179

CSA File No.: LR19980

Mates With: 41661 headers

Electrical

Voltage: 250V

Current: 5.0A

Contact Resistance: 10 milliohms max.

Physical

Housing: 6/6 nylon, UL 94V-2

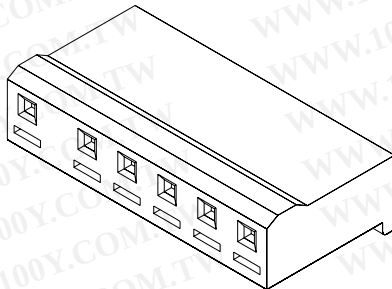
Contact: Brass

Circuits	Order No.	Additional PCB Edge Guide	Lead-free
2	26-01-1028	None	Yes
3	26-01-1038		
4	26-01-1048		
5	26-01-1058		
6	26-01-1068		

Circuits	Order No.	Additional PCB Edge Guide	Lead-free
7	26-01-1078	None	Yes
8	26-01-1088	Between 4 and 5 Circuits	
9	26-01-1098	Between 5 and 6 Circuits	
10	26-01-1108		
12	26-01-1128	Between 4/5 and 8/9 Circuits	

5.00mm (.197") Pitch SPOX™ Crimp Terminal Housing

5199-N



Circuits	Order No.
2	10-63-3024
3	10-63-3034
4	10-63-3044
5	10-63-3054
6	10-63-3064

Features and Benefits

- Sizes 2 to 6 circuits available
- Polarization through varied center spacing between circuits 1 and 2
- With locking ramp
- Molded pull tab
- Molded-in locking arm for terminal

Reference Information

Product Specification: PS-5199-001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5287-NA and 5289-NA headers
 Use With: 5194 and 5225 terminals
 Designed In: Millimeters

Electrical

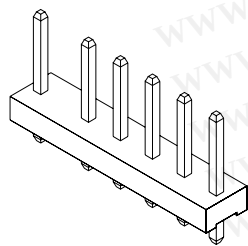
Voltage: 250V max.
 Current: 7.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2

5.00mm (.197") Pitch SPOX™ Header

**5287-NA
Vertical**



Circuits	Order No.	Lead-free
2	10-63-3023	Yes
3	10-63-3033	
4	10-63-3043	
5	10-63-3053	
6	10-63-3063	

Features and Benefits

- Sizes 2 to 6 circuits
- Polarization through varied center spacing between circuits 1 and 2

Reference Information

Product Specification: PS-5199-001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5199-N housings
 Designed In: Millimeters

Electrical

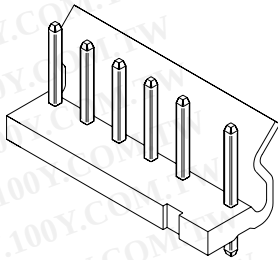
Voltage: 250V max.
 Current: 7.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
 Contact: Brass
 Plating: Tin over Copper

5.00mm (.197") Pitch SPOX™ Header

5289-NA Vertical Friction Lock



Circuits	Order No.	Lead-free
2	10-31-1028	Yes
3	10-31-1038	
4	10-31-1048	
5	10-31-1058	
6	10-31-1068	

Features and Benefits

- Sizes 2 to 6 circuits
- Locking ramp
- Polarization through varied center spacing between circuits 1 and 2

Reference Information

Product Specification: PS-5199-001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5199-N housings
 Designed In: Millimeters

Electrical

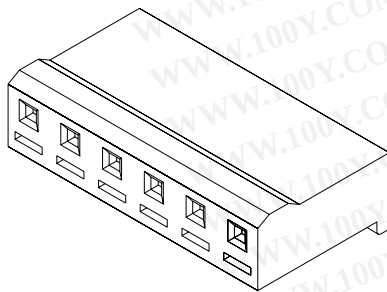
Voltage: 250V max.
 Current: 7.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
 Contact: Brass
 Plating: Tin over Copper

5.08mm (.200") Pitch SPOX™ Crimp Terminal Housing

5197-N



Circuits	Order No.
2	10-01-3026
3	10-01-3036
4	10-01-3046
5	10-01-3056
6	10-01-3066
7	10-01-3076
8	10-01-3086
9	10-01-3096

Features and Benefits

- Sizes 2 to 9 circuits
- Molded pull tab
- With locking ramp
- Molded-in locking arm for terminal

Reference Information

Product Specification: Refer to Mates With items
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5279-NA, 5280-NA, 5281-NA and
 5282-NA headers
 Use With: 5194 terminal
 Designed In: Millimeters

Electrical

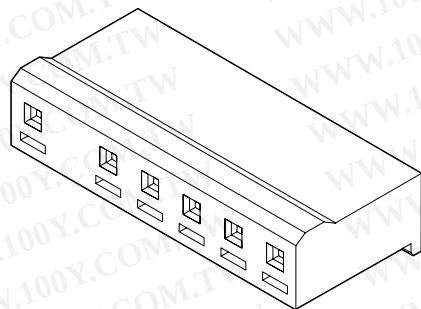
Voltage: 250V max.
 Current: 7.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2

5.08mm (.200") Pitch SPOX™ Crimp Terminal Housing

5198-N
With Void



Features and Benefits

- Sizes 2 to 9 circuits
- Same as 5197 but with second circuit void

Reference Information

Product Specification: Refer to Mates With items
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5283-NA, 5284-NA, 5285-NA and
5286-NA headers
Use With: 5194, 5225
Designed In: Millimeters

Electrical

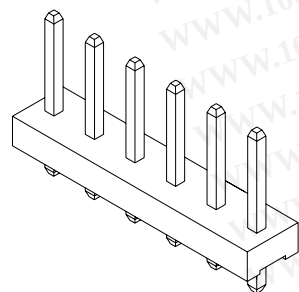
Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2

Circuits	Order No.
2	10-22-1022
3	10-22-1032
4	10-22-1042
5	10-22-1052
6	10-22-1062
7	10-22-1072
8	10-22-1082
9	10-22-1092

5.08mm (.200") Pitch SPOX™ Header **5279-NA** **Vertical**



Features and Benefits

- Sizes 2 to 9 circuits

Reference Information

Product Specification: PS-5279-001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5197-N housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

Circuits	Order No.	Lead-free
2	10-02-1027	Yes
3	10-02-1037	
4	10-02-1047	
5	10-02-1057	
6	10-02-1067	
7	10-02-1077	
8	10-02-1087	
9	10-02-1097	

5.08mm (.200") Pitch

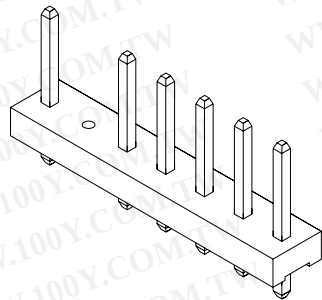
SPOX™

Header

5283-NA

Vertical

With Void



Circuits	Order No.	Lead-free
3	10-63-1033	Yes
4	10-63-1043	
5	10-63-1053	
6	10-63-1063	
7	10-63-1073	
8	10-63-1083	

Features and Benefits

- Sizes 3 to 8 circuits
- Same as 5279 but with second pin void

Reference Information

Product Specification: PS-5198-001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5198-N housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

5.08mm (.200") Pitch

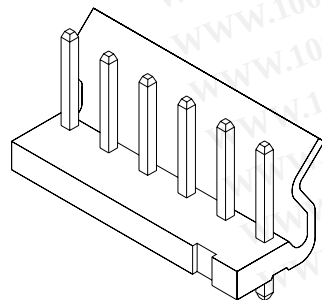
SPOX™

Header

5281-NA

Vertical

Friction Lock



Circuits	Order No.	Lead-free
2	10-32-1021	Yes
3	10-32-1031	
4	10-32-1041	
5	10-32-1051	
6	10-32-1061	
7	10-32-1071	
8	10-32-1081	
9	10-32-1091	

Features and Benefits

- Sizes 2 to 9 circuits

Reference Information

Product Specification: PS-5197-001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5197-N housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

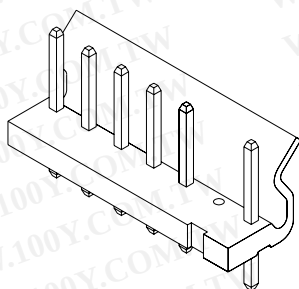
Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

D

3.00 to 7.92mm (.118 to .312") Pitch PCB and Wire Connectors

5.08mm (.200") Pitch SPOX™ Header

5285-NA
**Vertical, Friction Lock
With Void**


Circuits	Order No.	Lead-free
2	10-63-1029	Yes
3	10-63-1039	
4	10-63-1049	
5	10-63-1059	
6	10-63-1069	
7	10-63-1079	
8	10-63-1089	
9	10-63-1099	

Features and Benefits

- Sizes 2 to 9 circuits
- Second pin void

Reference Information

Product Specification: PS-5198-001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5198-N housing
 Designed In: Millimeters

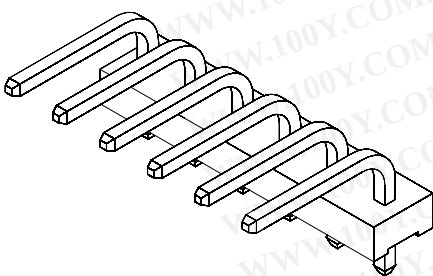
Electrical

Voltage: 250V max.
 Current: 7.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
 Contact: Brass
 Plating: Tin over Copper

5.08mm (.200") Pitch SPOX™ Header

**5280-NA
Right Angle**


Circuits	Order No.	Lead-free
2	10-33-1021	Yes
3	10-33-1031	
4	10-33-1041	
5	10-33-1051	
6	10-33-1061	
7	10-33-1071	
8	10-33-1081	
9	10-33-1091	

Features and Benefits

- Sizes 2 to 9 circuits

Reference Information

Product Specification: PS-5280-001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: 5197-N housing
 Designed In: Millimeters

Electrical

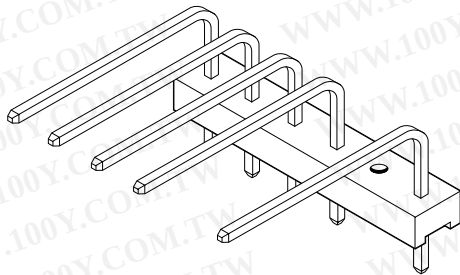
Voltage: 250V max.
 Current: 7.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2
 Contact: Brass
 Plating: Tin over Copper

5.08mm (.200") Pitch SPOX™ Header

5284-NA
Right Angle
With Void



Circuits	Order No.	Lead-free
3	10-68-1035	Yes
4	10-68-1045	
5	10-68-1055	
6	10-68-1065	
7	10-68-1075	
8	10-68-1085	

Features and Benefits

- Sizes 3 to 8 circuits
- Second pin void

Reference Information

Product Specification: PS-5198-001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5198-N housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

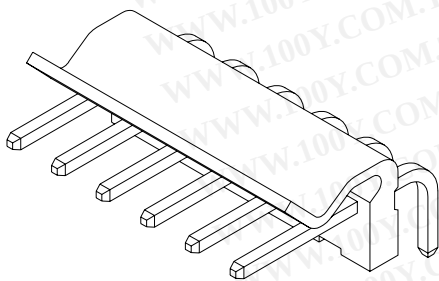
Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

www.molex.com/product/spox.html

5.08mm (.200") Pitch Header

5282-NA
Right Angle
Square Pin



Circuits	Order No.	Lead-free
2	10-33-1022	Yes
3	10-33-1032	
4	10-33-1042	
5	10-33-1052	
6	10-33-1062	
7	10-33-1072	

Features and Benefits

- Sizes 2 to 7 circuits

Reference Information

Product Specification: PS-5197-001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5197-N housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

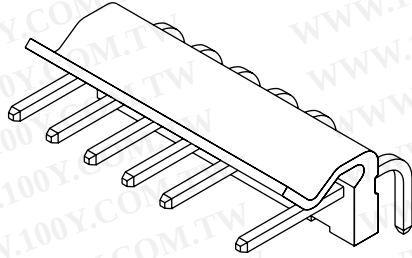
Physical

Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

5.08mm (.200") Pitch SPOX™ and KK® Header

5286-NA

**Right Angle, Friction Lock
With Void**



Circuits	Order No.	Lead-free
2	10-68-1027	Yes
3	10-68-1037	
4	10-68-1047	
5	10-68-1057	
6	10-68-1067	

Features and Benefits

- Sizes 2 to 6 circuits
- Second pin void
- Friction-locking ramp provides secure mating retention

Reference Information

Product Specification: PS-5286-001
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5198-N housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

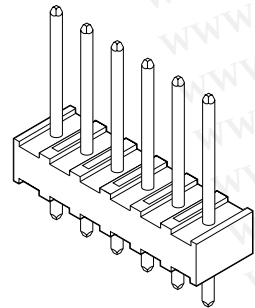
Housing: Nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper

www.molex.com/customer.html?seriesNumber=5286

5.08mm (.200") Pitch KK® Header

3003

**Vertical
Round Pin**



Features and Benefits

- Sizes 2 to 20 circuits
- Available with voids (contact Molex)
- Molded insulator

Reference Information

Product Specification: PSX10-39
UL File No.: E29179SC
CSA File No.: LR19980
Mates With: 3001, 3002, 3011 and 5058-N

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 20 milliohms max.

Mechanical

Mating Force: 24 oz max.
Unmating Force: 4 oz min.
Normal Force: 350g
Durability: 25 cycles Tin

Physical

Housing: Nylon, UL 94V-2
Contact: Brass

Circuits	Order No.		Lead-free
	Tin	Gold	
2	10-08-1021	10-45-1021	Yes
3	10-08-1031	10-45-1031	
4	10-08-1041	10-45-1041	
5	10-08-1051	10-45-1051	
6	10-08-1061	10-45-1061	
7	10-08-1071	10-45-1071	
8	10-08-1081	10-45-1081	
9	10-08-1091	10-45-1091	
10	10-08-1101	10-45-1101	
11	10-08-1111	10-45-1111	

Circuits	Order No.		Lead-free
	Tin	Gold	
12	10-08-1121	10-45-1121	Yes
13	10-08-1131	10-45-1131	
14	10-08-1141	10-45-1141	
15	10-08-1151	10-45-1151	
16	10-08-1161	10-45-1161	
17	10-08-1171	10-45-1171	
18	10-08-1181	10-45-1181	
19	10-08-1191	10-45-1191	
20	10-08-1201	10-45-1201	

5.08mm (.200") Pitch

KK®

PC Board Connector

2767-NAH

Right Angle Mount

Features and Benefits

- Sizes 4 to 6 circuits

Reference Information

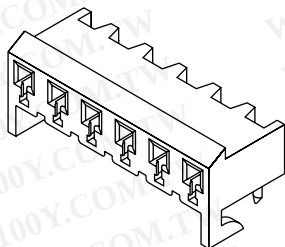
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5279-NA

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 10 milliohms max.

Physical

Housing: 6/6 nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper



Circuits	Order No.	Lead-free
4	10-05-1043	Yes
5	10-05-1053	
6	10-05-1063	

www.molex.com/customer.html?seriesNumber=2767

5.08mm (.200") Pitch

KK®

PC Board Connector

3002

Right Angle Mount Style A

Features and Benefits

- Sizes 2 to 20 circuits

Reference Information

Product Specification: PSX10-39
UL File No.: E29179
CSA File No.: LR19980
Mates With: 2599, 3003 and 3008 headers

Electrical

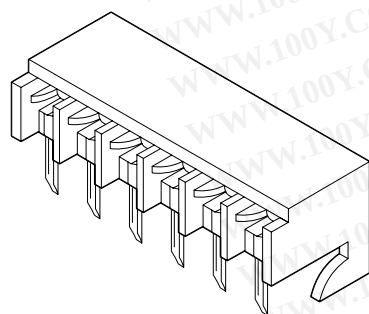
Voltage: 250V
Current: 7.0A
Contact Resistance: 20 milliohms max.

Mechanical

Mating Force: 24 oz max.
Unmating Force: 4 oz min.
Normal Force: 350g
Durability: Tin—25 cycles
Gold—50 cycles

Physical

Housing: Nylon, UL 94V-2



Circuits	Order No.		Lead-free
	Tin	Gold	
2	10-10-1021	10-10-1024	Yes
3	10-10-1031	10-10-1034	
4	10-10-1041	10-10-1044	
5	10-10-1051	10-10-1054	
6	10-10-1061	10-10-1064	
7	10-10-1071	10-10-1074	
8	10-10-1081	10-10-1084	
9	10-10-1091	10-10-1094	
10	10-10-1101	10-10-1104	
11	10-10-1111	10-10-1114	

Plating: 1.00 microns Tin / 2.00 microns Copper min. (.000040" Tin / .000080" Copper min.) or 0.50 microns Gold / 0.75 microns Nickel min. (.000020" Gold / .000030" Nickel min.)

Circuits	Order No.		Lead-free
	Tin	Gold	
12	10-10-1121	10-10-1124	Yes
13	10-10-1131	10-10-1134	
14	10-10-1141	10-10-1144	
15	10-10-1151	10-10-1154	
16	10-10-1161	10-10-1164	
17	10-10-1171	10-10-1174	
18	10-10-1181	10-10-1184	
19	10-10-1191	10-10-1194	
20	10-10-1201	10-10-1204	

www.molex.com/product/kk/kk.html



MX10 D-27

5.08mm (.200") Pitch KK® PC Board Connector 2767-NCH Top Entry

Features and Benefits

- Sizes 3 to 6 circuits

Reference Information

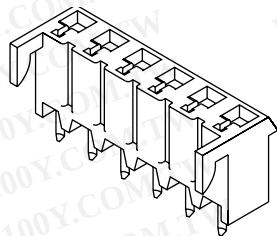
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5279-NA

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 10 milliohms max.

Physical

Housing: 6/6 nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper



Circuits	Order No.	Lead-free
3	10-05-1037	Yes
4	10-05-1047	
5	10-05-1057	
6	10-05-1067	

www.molex.com/customer.html?seriesNumber=2767

5.08mm (.200") Pitch KK® PC Board Connector 3002 Top Entry Mount Style C

Features and Benefits

- Sizes 2 to 20 circuits

Reference Information

Product Specification: PSX10-39
UL File No.: E29179
CSA File No.: LR19980
Mates With: 2599, 3003 and 3008 headers

Electrical

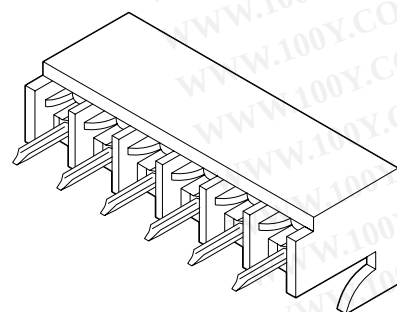
Voltage: 250V
Current: 7.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 500K Megohms min.

Mechanical

Mating Force: 24 oz max.
Unmating Force: 4 oz min.
Normal Force: 350g
Durability: Tin—25 cycles
Gold—50 cycles

Physical

Housing: Nylon, UL 94V-2



Circuits	Order No.		Lead-free
	Tin	Gold	
2	10-10-1023	10-10-1028	Yes
3	10-10-1033	10-10-1038	
4	10-10-1043	10-10-1048	
5	10-10-1053	10-10-1058	
6	10-10-1063	10-10-1068	
7	10-10-1073	10-10-1078	
8	10-10-1083	10-10-1088	
9	10-10-1093	10-10-1098	
10	10-10-1103	10-10-1108	
11	10-10-1113	10-10-1118	

Plating: 1.00 microns Tin / 2.00 microns Copper min. (.000040" Tin / .000080" Copper min.) or
0.50 microns Gold / 0.75 microns Nickel min. (.000020" Gold / .000030" Nickel min.)

Circuits	Order No.		Lead-free
	Tin	Gold	
12	10-10-1123	10-10-1128	Yes
13	10-10-1133	10-10-1138	
14	10-10-1143	10-10-1148	
15	10-10-1153	10-10-1158	
16	10-10-1163	10-10-1168	
17	10-10-1173	10-10-1178	
18	10-10-1183	10-10-1188	
19	10-10-1193	10-10-1198	
20	10-10-1203	10-10-1208	

5.08mm (.200") Pitch

KK®

PC Board Connector

2767-NBH

Bottom Entry

Features and Benefits

- Sizes 4 to 6 circuits

Reference Information

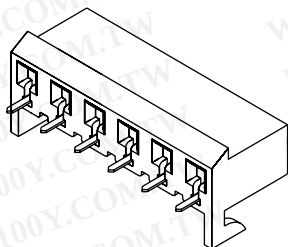
UL File No.: E29179
CSA File No.: LR19980
Mates With: 5077-NC

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 10 milliohms max.

Physical

Housing: 6/6 nylon, UL 94V-2
Contact: Brass
Plating: Tin over Copper



Circuits	Order No.	Lead-free
4	10-05-1045	Yes
5	10-05-1055	
6	10-05-1065	

www.molex.com/customer.html?seriesNumber=2767

5.08mm (.200") Pitch

KK®

PC Board Connector

3002

Bottom Entry

Mount Style B

Features and Benefits

- Sizes 2 to 20 circuits

Reference Information

Product Specification: PSX10-39
UL File No.: E29179
CSA File No.: LR19980
Mates With: 2599, 3003 and 3008 headers

Electrical

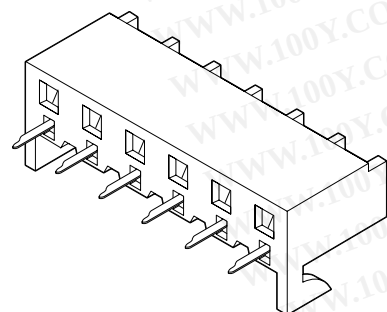
Voltage: 250V
Current: 7.0A
Contact Resistance: 20 milliohms max.

Mechanical

Mating Force: 24 oz max. per contact
Unmating Force: 4 oz min. per contact
Normal Force: 350g per contact
Durability: Tin—25 cycles
Gold—50 cycles

Physical

Housing: Nylon, UL 94V-2
Contact: Phosphor Bronze



Circuits	Order No.		Lead-free
	Tin	Gold	
2	10-02-1022	10-10-1026	Yes
3	10-02-1032	10-10-1036	
4	10-02-1042	10-10-1046	
5	10-02-1052	10-10-1056	
6	10-02-1062	10-10-1066	
7	10-02-1072	10-10-1076	
8	10-02-1082	10-10-1086	
9	10-02-1092	10-10-1096	
10	10-02-1102	10-10-1106	
11	10-02-1112	10-10-1116	

Plating: 1.00 microns Tin /2.00 microns Copper min. (.000040" Tin / .000080" Copper min.) or
0.50 microns Gold/0.75 microns Nickel min. (.000020" Gold/.000030" Nickel min.)

Circuits	Order No.		Lead-free
	Tin	Gold	
12	10-02-1122	10-10-1126	Yes
13	10-02-1132	10-10-1136	
14	10-02-1142	10-10-1146	
15	10-02-1152	10-10-1156	
16	10-02-1162	10-10-1166	
17	10-02-1172	10-10-1176	
18	10-02-1182	10-10-1186	
19	10-02-1192	10-10-1196	
20	10-02-1202	10-10-1206	

www.molex.com/product/kk/kk.html



MX10 D-29

7.92mm (.312") Pitch SPOX™ Header

5096-NC
Straight
Friction Lock

Features and Benefits

- Sizes 3 to 5 circuits
- Friction locking wall for secure retention

Reference Information

Product Specification: PS-5195-006

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: 5195-N and 5239-N housings

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 7.0A max.

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1500V AC/1 min.

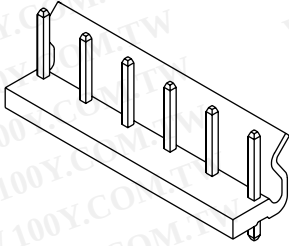
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-2

Contact: Brass

Plating: Tin over Copper



Circuits	Order No.	Lead-free
3	10-63-4037	Yes
4	10-63-4047	
5	10-63-4057	

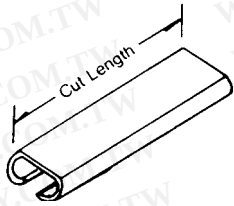
KK®

Standard IDT Covers

7894/7841

Features and Benefits

- Sizes 4 to 28 circuits, see tables
- Prevents contaminants from affecting wire connection
- Cover accommodates feed-to and feed-through IDT connectors
- Improves wire retention



7894/3.96mm (.156")		
Circuits	Order No.	Cut Length
4	15-05-7044	15.19 (.598)
5	15-05-7054	19.15 (.754)
6	15-05-7064	23.11 (.910)
7	15-05-7074	27.07 (1.066)
8	15-05-7084	31.04 (1.222)
9	15-05-7094	35.00 (1.378)
10	15-05-7104	38.96 (1.534)
11	15-05-7114	42.93 (1.690)
12	15-05-7124	46.89 (1.846)
13	15-05-7134	50.85 (2.002)
14	15-05-7144	54.81 (2.158)
15	15-05-7154	58.78 (2.314)
16	15-05-7164	62.74 (2.470)
17	15-05-7174	66.70 (2.626)
18	15-05-7184	70.66 (2.782)
19	15-05-7194	74.62 (2.938)
20	15-05-7204	78.59 (3.094)
21	15-05-7214	82.55 (3.250)
22	15-05-7224	86.51 (3.406)
23	15-05-7234	90.47 (3.562)
24	15-05-7244	94.44 (3.718)

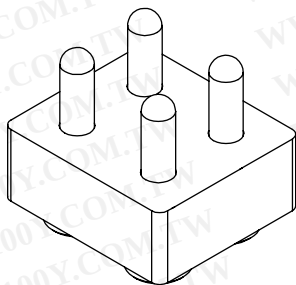
7894/5.08mm (.200")		
Circuits	Order No.	Cut Length
4	15-05-7045	18.54 (.730)
5	15-05-7055	23.62 (.930)
6	15-05-7065	28.70 (1.130)
7	15-05-7075	33.78 (1.330)
8	15-05-7085	38.86 (1.530)
9	15-05-7095	43.94 (1.730)
10	15-05-7105	49.02 (1.930)
11	15-05-7115	54.10 (2.130)
12	15-05-7125	59.18 (2.330)
13	15-05-7135	64.26 (2.530)
14	15-05-7145	69.34 (2.730)
15	15-05-7155	74.41 (2.930)
16	15-05-7165	79.50 (3.130)

7841/2.50mm (.098")			
Circuits	Order No.		Cut Length
	Feed-Through	Feed-To	
4	15-05-8046	15-05-8048	10.49 (.413)
5	15-05-8056	15-05-8058	13.00 (.512)
6	15-05-8066	15-05-8068	15.51 (.611)
7	15-05-8076	15-05-8078	18.00 (.709)
8	15-05-8086	15-05-8088	20.49 (.807)
9	15-05-8096	15-05-8098	23.01 (.906)
10	15-05-8106	15-05-8108	25.50 (1.004)
11	15-05-8116	15-05-8118	27.99 (1.102)
12	15-05-8126	15-05-8128	30.50 (1.201)
13	15-05-8136	15-05-8138	32.99 (1.299)
14	15-05-8146	15-05-8148	35.50 (1.398)
15	15-05-8156	15-05-8158	37.99 (1.496)
16	15-05-8166	15-05-8168	40.51 (1.595)
17	15-05-8176	15-05-8178	43.00 (1.693)
18	15-05-8186	15-05-8188	45.49 (1.791)
19	15-05-8196	15-05-8198	48.00 (1.890)
20	15-05-8206	15-05-8208	50.49 (1.988)
21	15-05-8216	15-05-8218	53.00 (2.067)
22	15-05-8226	15-05-8228	55.49 (2.185)
23	15-05-8236	15-05-8238	57.98 (2.283)
24	15-05-8246	15-05-8248	60.50 (2.382)
25	15-05-8256	15-05-8258	62.99 (2.480)
26	15-05-8266	15-05-8268	65.50 (2.579)
27	15-05-8276	15-05-8278	68.02 (2.678)
28	15-05-8286	15-05-8288	70.51 (2.776)

7841/2.54mm (.100")			
Circuits	Order No.		Cut Length
	Feed-Through	Feed-To	
4	15-05-8045	15-05-8047	10.51 (.414)
5	15-05-8055	15-05-8057	13.05 (.514)
6	15-05-8065	15-05-8067	15.59 (.614)
7	15-05-8075	15-05-8077	18.13 (.714)
8	15-05-8085	15-05-8087	20.67 (.814)
9	15-05-8095	15-05-8097	23.21 (.914)
10	15-05-8105	15-05-8107	25.75 (1.014)
11	15-05-8115	15-05-8117	28.29 (1.114)
12	15-05-8125	15-05-8127	30.83 (1.214)
13	15-05-8135	15-05-8137	33.37 (1.314)
14	15-05-8145	15-05-8147	35.91 (1.414)
15	15-05-8155	15-05-8157	38.45 (1.514)
16	15-05-8165	15-05-8167	40.99 (1.614)
17	15-05-8175	15-05-8177	43.53 (1.714)
18	15-05-8185	15-05-8187	46.07 (1.814)
19	15-05-8195	15-05-8197	48.61 (1.914)
20	15-05-8205	15-05-8207	51.15 (2.014)
21	15-05-8215	15-05-8217	53.69 (2.114)
22	15-05-8225	15-05-8227	56.23 (2.214)
23	15-05-8235	15-05-8237	58.77 (2.314)
24	15-05-8245	15-05-8247	61.31 (2.414)
25	15-05-8255	15-05-8257	63.85 (2.514)
26	15-05-8265	15-05-8267	66.39 (2.614)
27	15-05-8275	15-05-8277	68.93 (2.714)
28	15-05-8285	15-05-8287	71.47 (2.814)

3.00 to 7.92mm (.118 to .312") Pitch PCB and Wire Connectors

3.00mm (.118") Pitch Pogo Pin Connector

47247
Vertical, Surface Mount


Circuits	Order No.	Lead-free
4	47247-0001	Yes

Features and Benefits

- Speaker, battery, vibrator or antenna contact applications
- Small footprint saves PCB real estate and provides more flexible design
- SMT lead-free configuration
- Initial height at 5.40mm (.213") and full-stroke working height at 4.00mm (.157")

Reference Information

Product Specification: PS-47247-001
Packaging: Tape on reel
Designed In: Millimeters

Electrical

Voltage: 12V DC
Current: 2.0A
Contact Resistance: 25 milliohms max.
Dielectric Withstanding Voltage: 500V DC
Insulation Resistance: 1000 Megohms min.

Mechanical

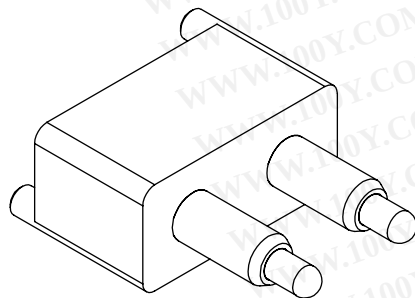
Normal Force: 0.17N
Durability: 10,000 cycles

Physical

Housing: PA Polyamide (nylon) 4/6, UL 94V-0
Contact: Copper Alloy
Plating: Contact Area—12μ" Gold
Solder Tail Area—5μ" Gold
Underplating: Nickel

www.molex.com/customer.html?seriesNumber=47247

3.50mm (.138") Pitch Pogo Pin Connector

47244
**Vertical, Surface Mount
With Cap**


Circuits	Order No.	Lead-free
2	47244-0001	Yes

Features and Benefits

- Speaker, battery, vibrator or antenna contact applications
- Small footprint saves PCB real estate and provides more flexible design
- SMT lead-free configuration
- Initial height at 8.80mm (.346") and full-stroke working height at 7.80mm (.307")

Reference Information

Product Specification: PS-47244-001
Packaging: Tape on reel
Designed In: Millimeters

Electrical

Voltage: 12V DC
Current: 2.0A
Contact Resistance: 30 milliohms max.
Insulation Resistance: 100 Megohms min.

Mechanical

Normal Force: 0.88N
Durability: 10,000 cycles

Physical

Housing: PA Polyamide (nylon), UL 94V-0
Contact: Copper Alloy
Plating: Contact Area—12μ" Gold
Solder Tail Area—4μ" Gold
Underplating: Nickel

3.50mm (.138") Pitch Wire-to-Wire Crimp Terminal

50419
Male

Features and Benefits

- Locking window provides secure mating retention to housing lance

Reference Information

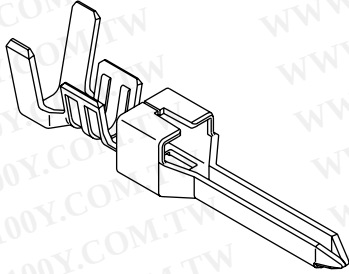
Use With: 51114
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.

Physical

Contact: Brass
Plating: Tin
Wire Range: 18 to 24 AWG
Insulation Diameter: 1.40 to 3.00mm (.055 to .118")
Strip Length: 3.00 to 3.50mm (.118 to .138")



Order No.	Packaging	Lead-free
50419-9001	Reel	Yes
50419-9101	Bag	

www.molex.com/customer.html?seriesNumber=50419

3.50mm (.138") Pitch Wire-to-Wire Plug

51114
**Positive Lock
Panel Mount**

Features and Benefits

- Sizes 2 to 10 circuits
- Integral mounting ears provide easy panel attachment and secure retention
- Housing locking tang for secure terminal retention

Reference Information

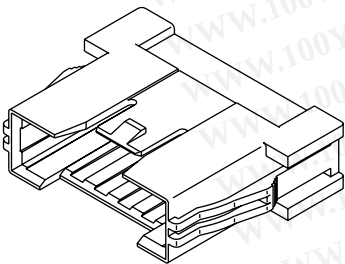
Product Specification: PS-51067-008
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 51067
Use With: 50419
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

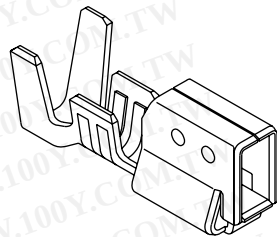
Housing: PBT, UL 94V-0



Circuits	Order No.	
	With Panel Mount	Without Panel Mount
2	51114-0200	51114-0210
3	51114-0300	51114-0310
4	51114-0400	51114-0410
5	51114-0500	51114-0510
6	51114-0600	51114-0610

Circuits	Order No.	
	With Panel Mount	Without Panel Mount
7	51114-0700	51114-0710
8	51114-0800	51114-0810
9	51114-0900	51114-0910
10	51114-1000	51114-1010

3.50mm (.138") Pitch and 3.96mm (.156") Pitch Wire-to-Board and Wire-to-Wire Crimp Terminal

50217


Features and Benefits

- Four points of contact
- Housing lance holds terminal securely in place

Reference Information

Use With: 51067 and 35156 housings
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.

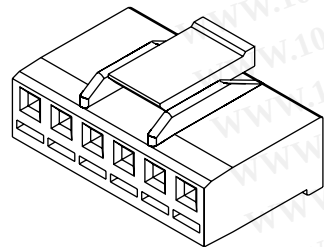
Physical

Contact: 50217-8X00—Phosphor Bronze
50217-9X01—Brass
Plating: Tin
Wire Range: 18 to 24 AWG
Insulation Range: 1.40 to 3.00mm dia.
Strip Length: 3.00 to 3.50mm

Order No.	Packaging	Contact	Lead-free
50217-8000	Reel	Phosphor Bronze	Yes
50217-9001		Brass	
50217-8100	Bag	Phosphor Bronze	
50217-9101		Brass	

www.molex.com/customer.html?seriesNumber=50217

3.50mm (.138") Pitch Wire-to-Board and Wire-to-Wire Housing

51067
Positive Lock


Features and Benefits

- Sizes 2 to 15 circuits
- Side walls protect latch and facilitate mating
- Housing lance provides secure terminal retention

Reference Information

Product Specification: Refer to Mates With items
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 53258, 53259, 53265 and 53266
Use With: 50217
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.

Physical

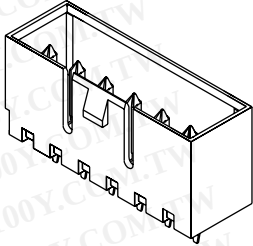
Housing: PBT, UL 94V-0

Circuits	Order No.
2	51067-0200
3	51067-0300
4	51067-0400
5	51067-0500
6	51067-0600
7	51067-0700
8	51067-0800

Circuits	Order No.
9	51067-0900
10	51067-1000
11	51067-1100
12	51067-1200
13	51067-1300
14	51067-1400
15	51067-1500

3.50mm (.138") Pitch Wire-to-Board Header

53258
Vertical



Features and Benefits

- Sizes 2 to 15 circuits
- Guide slots facilitate mating

Reference Information

Product Specification: PS-51067-019
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
Mates With: 51067
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 5.5A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Glass-filled PBTP, UL 94V-0
Contact: Brass
Plating: Tin over Nickel

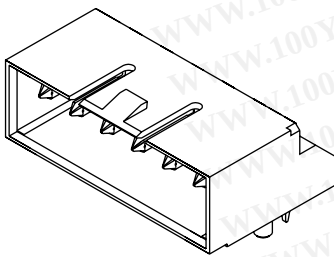
Circuits	Order No.	Lead-free
2	53258-0229	Yes
3	53258-0329	
4	53258-0429	
5	53258-0529	
6	53258-0629	
7	53258-0729	
8	53258-0829	

Circuits	Order No.	Lead-free
9	53258-0929	Yes
10	53258-1029	
11	53258-1129	
12	53258-1229	
13	53258-1329	
14	53258-1429	
15	53258-1529	

www.molex.com/customer.html?seriesNumber=53258

3.50mm (.138") Pitch Wire-to-Board Header

53259
Right Angle



Features and Benefits

- Sizes 2 to 15 circuits
- PCB pegs provide placement guidance
- Guide slots facilitate mating

Reference Information

Product Specification: PS-51067-019
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
Mates With: 51067
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 5.5A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

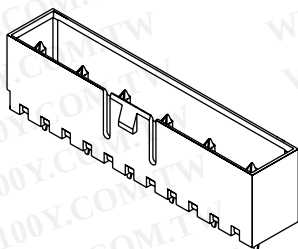
Housing: Glass-filled PBTP, UL 94V-0
Contact: Brass
Plating: Tin over Nickel

Circuits	Order No.	Lead-free
2	53259-0229	Yes
3	53259-0329	
4	53259-0429	
5	53259-0529	
6	53259-0629	
7	53259-0729	
8	53259-0829	

Circuits	Order No.	Lead-free
9	53259-0929	Yes
10	53259-1029	
11	53259-1129	
12	53259-1229	
13	53259-1329	
14	53259-1429	
15	53259-1529	

7.00mm (.276") Pitch Wire-to-Board Header

53265
Vertical



Features and Benefits

- Sizes 2 to 8 circuits
- Guide slots facilitate mating

Reference Information

Product Specification: PS-51067-020
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
Mates With: 51067
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

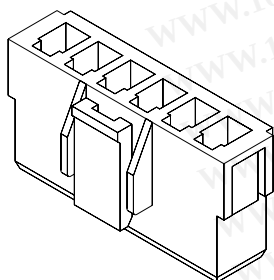
Housing: Glass-filled PBTP, UL 94V-0
Contact: Brass
Plating: Tin over Nickel

Circuits	Order No.	Lead-free
2	53265-0229	Yes
3	53265-0329	
4	53265-0429	
5	53265-0529	
6	53265-0629	
7	53265-0729	
8	53265-0829	

www.molex.com/customer.html?seriesNumber=53265

3.96mm (.156") Pitch Wire-to-Board Housing

35156
Positive Locking



Features and Benefits

- Sizes 2 to 12 circuits
- Polarized
- Low profile

Reference Information

Product Specification: Refer to Mates With items
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 35313 and 35328 header
Use With: 50217 terminal
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: PBT, UL 94V-0

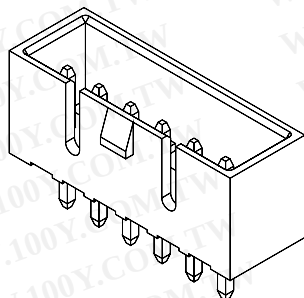
Circuits	Order No.
2	35156-0200
3	35156-0300
4	35156-0400
5	35156-0500

Circuits	Order No.
6	35156-0600
7	35156-0700
8	35156-0800
9	35156-0900

Circuits	Order No.
10	35156-1000
11	35156-1100
12	35156-1200

3.96mm (.156") Pitch Wire-to-Board Header

35313 Vertical Fully Shrouded



Features and Benefits

- Sizes 2 to 12 circuits
- Low profile
- 1.14mm (.045") square wire pins
- Positive lock

Reference Information

Product Specification: PS-35156-004
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 35156 housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-0
Contact: Brass
Plating: Tin

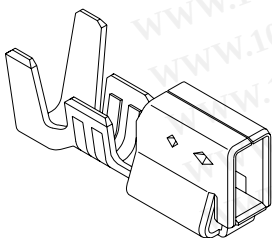
Circuits	Order No.	Lead-free
2	35313-0260	Yes
3	35313-0360	
4	35313-0460	
5	35313-0560	
6	35313-0660	

Circuits	Order No.	Lead-free
9	35313-0960	Yes
10	35313-1060	
11	35313-1160	
12	35313-1260	

www.molex.com/customer.html?seriesNumber=35313

3.96mm (.156") Pitch Wire-to-Board Terminal

50539



Features and Benefits

- Four points of contact for optimum reliability
- Box design protects contact area
- Housing lance feature provides audible click when terminal is fully seated

Reference Information

Use With: 51144
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.

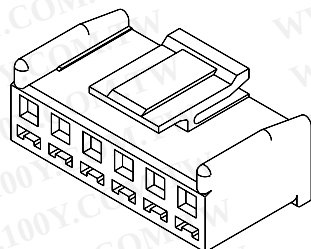
Physical

Contact: Phosphor Bronze
Plating: Tin
Wire Range: 18 to 24 AWG
Insulation Diameter: 1.4 to 3.0mm
Strip Length: 3.0 to 3.5mm

Order No.	Packaging	Lead-free
50539-8000	Reel	Yes
50539-8100	Bag	

3.96mm (.156") Pitch Wire-to-Board Housing

51144 Positive Lock



Features and Benefits

- Sizes 2 to 13 circuits
- Positive lock provides secure mating retention
- Housing lance holds terminal firmly in place

Reference Information

Product Specification: PS-51144-002
Packaging: Bag
UL File No.: E29179
Mates With: 53520 and 53521
Use With: 50539 terminal
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: PBTP, UL 94V-0

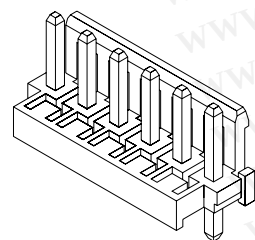
Circuits	Order No.
2	51144-0200
3	51144-0300
4	51144-0400
5	51144-0500
6	51144-0600
7	51144-0700

Circuits	Order No.
8	51144-0800
9	51144-0900
10	51144-1000
11	51144-1100
12	51144-1200
13	51144-1300

www.molex.com/customer.html?seriesNumber=51144

3.96mm (.156") Pitch Wire-to-Board Header

53520 Vertical Expandable Base



Features and Benefits

- Sizes 2 to 12 circuits
- "Accordion" style slots in wafer base enable it to expand and contract to avoid solder cracking
- Positive lock ensures secure retention

Reference Information

Product Specification: PS-51144-002
Packaging: Bag
UL File No.: E29179
Mates With: 51144 housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

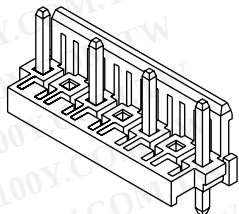
Housing: Nylon, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin over Copper

Circuits	Order No.	Lead-free
2	53520-0220	Yes
3	53520-0320	
4	53520-0420	
5	53520-0520	
6	53520-0620	
7	53520-0720	

Circuits	Order No.	Lead-free
8	53520-0820	Yes
9	53520-0920	
10	53520-1020	
11	53520-1120	
12	53520-1220	

7.92mm (.312") Pitch Wire-to-Board Header

53521 Vertical Expandable Base



Circuits	Order No.	Lead-free
2	53521-0240	Yes
3	53521-0340	
4	53521-0440	
5	53521-0540	
6	53521-0640	
7	53521-0740	

Features and Benefits

- Sizes 2 to 7 circuits
- "Accordion" style slots in header base enable it to expand and contract to prevent solder cracking
- Positive lock ensures secure retention

Reference Information

Product Specification: PS-51144-002
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 51144 housing
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 6.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

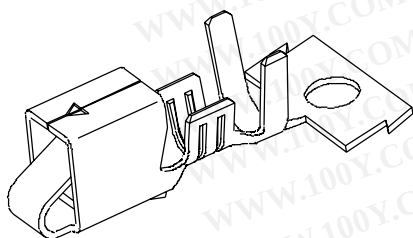
Physical

Housing: Nylon, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin over Copper

www.molex.com/customer.html?seriesNumber=53521

3.96mm (.156") Pitch Wire-to-Board Terminal

35922



Features and Benefits

- Double cantilever design provides high contact pressure
- Box shroud prevents contamination to the contact surface

Reference Information

Product Specification: PS-35978-001 and PS-35979-001
Use With: 35977

Electrical

Voltage: 250V
Current: See Chart

AWG	18	20
	7.0A	6.0A

Contact Resistance: 10 milliohms max.

Mechanical

Contact Insertion Force: 14.7N (3.3 lb) max.
Contact Retention to Housing: 24.5N (5.5 lb) min.
Wire Pull-Out Force: 18 AWG—88.3N (19.8 lb) min.
Mating Force: 98.1N (22.0 lb) max.
Unmating Force: 5.9N (1.3 lb) min.
Durability: 30 cycles

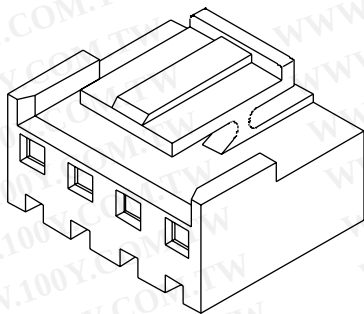
Physical

Contact: Brass or Phosphor Bronze
Plating: Tin
Wire Gauge: 18 to 20 AWG

Order No.	Contact	Lead-free
35922-9002	Brass	Yes
35922-8011	Phosphor Bronze	

3.96mm (.156") Pitch Wire-to-Board Housing

35977
Positive Lock



Features and Benefits

- Sizes 2 to 15 circuits
- Positive lock provides secure mating retention
- Polarization prevents mismatching

Reference Information

Product Specification: PS-35978-001 and
PS-35979-001

Packaging: Bag

Mates With: 35978 and 35979

Use With: 35922

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 7.0A max.

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1500V AC/1 min.

Insulation Resistance: 1000 Megohms min.

Physical

Housing: PA, UL 94V-0

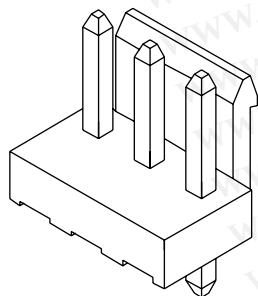
Circuits	Order No.
2	35977-0200
3	35977-0300
4	35977-0400
5	35977-0500
6	35977-0600
7	35977-0700
8	35977-0800

Circuits	Order No.
9	35977-0900
10	35977-1000
11	35977-1100
12	35977-1200
13	35977-1300
14	35977-1400
15	35977-1500

www.molex.com/customer.html?seriesNumber=35977

3.96mm (.156") Pitch Wire-to-Board Header

35978
Vertical



Features and Benefits

- Sizes 2 to 15 circuits
- Polarization prevents mismatching
- Low profile for tight packing applications

Reference Information

Product Specification: PS-35978-001

Packaging: Bag

Mates With: 35977

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 7.0A max.

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1500V AC/1 min.

Insulation Resistance: 1000 Megohms min.

Physical

Housing: PA, UL 94V-0

Contact: Brass

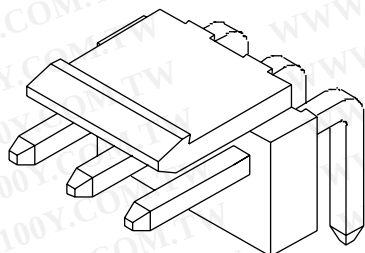
Plating: Tin over Copper

Circuits	Order No.	Lead-free
2	35978-0210	Yes
3	35978-0310	
4	35978-0410	
5	35978-0510	
6	35978-0610	
7	35978-0710	
8	35978-0810	

Circuits	Order No.	Lead-free
9	35978-0910	Yes
10	35978-1010	
11	35978-1110	
12	35978-1210	
13	35978-1310	
14	35978-1410	
15	35978-1510	

3.96mm (.156") Pitch Wire-to-Board Header

35978
Right Angle



Features and Benefits

- Sizes 2 to 15 circuits
- Polarization prevents mismatching
- Low profile for tight packing applications

Reference Information

Product Specification: PS-35978-001
Packaging: Bag
Mates With: 35977
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: PA, UL 94V-0
Contact: Brass
Plating: Tin over Copper

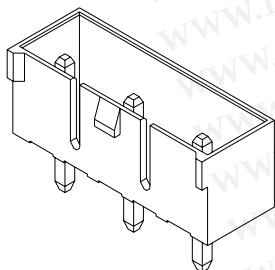
Circuits	Order No.	Lead-free
2	35978-0220	Yes
3	35978-0320	
4	35978-0420	
5	35978-0520	
6	35978-0620	
7	35978-0720	
8	35978-0820	

Circuits	Order No.	Lead-free
9	35978-0920	Yes
10	35978-1020	
11	35978-1120	
12	35978-1220	
13	35978-1320	
14	35978-1420	
15	35978-1520	

www.molex.com/customer.html?seriesNumber=35978

7.92mm (.312") Pitch Wire-to-Board Header

35328
Vertical
Fully Shrouded



Features and Benefits

- Sizes 2 to 6 circuits
- Low profile
- Polarized
- Positive lock

Reference Information

Product Specification: PS-35156-005
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 35156
Designed In: Millimeters

Electrical

Voltage: 250V max.
Current: 7.0A max.
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1500V AC/1 min.
Insulation Resistance: 1000 Megohms min.

Physical

Housing: Glass-filled Nylon, UL 94V-0
Contact: Brass
Plating: Tin

Circuits	Order No.	Lead-free
2	35328-0260	Yes
3	35328-0360	
5	35328-0560	
6	35328-0660	

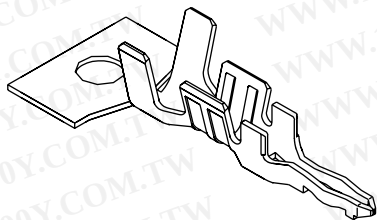
www.molex.com/customer.html?seriesNumber=35328



MX10 D-41

4.00mm (.158") Pitch Board-In Terminal

50098



Order No.	Packaging	Lead-free
50098-8000	Reel	Yes
50098-8100	Bag	

Features and Benefits

- Spring-fit style terminal provides high pressure retention to PCB
- Housing lance provides secure retention to housing and protects terminal
- PCB guide ridge helps position terminal to board

Reference Information

Use With: 51036

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 5.0A max.

Physical

Contact: Phosphor Bronze

Plating: Tin

Wire Range: 18 to 22 AWG

0.30 to 0.85 sq. AVS

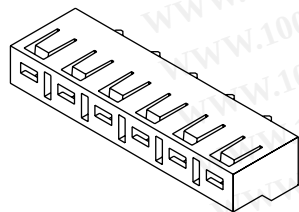
0.50 to 0.85 sq. AV

Insulation Range: 2.60mm dia. max.

Strip Length: 2.50 to 3.00mm

4.00mm (.158") Pitch Board-In Housing

51036



Features and Benefits

- Sizes 2 to 15 circuits
- Housing lance provides secure terminal retention and protection

Reference Information

Product Specification: PS-51036-002

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Use With: 50098

Designed In: Millimeters

Electrical

Voltage: 250V max.

Current: 5.0A max.

Contact Resistance: 5 milliohms max.

Dielectric Withstanding Voltage: 1000V AC/1 min.

Insulation Resistance: 1000 Megohms min.

Physical

Housing: Nylon, UL 94V-0

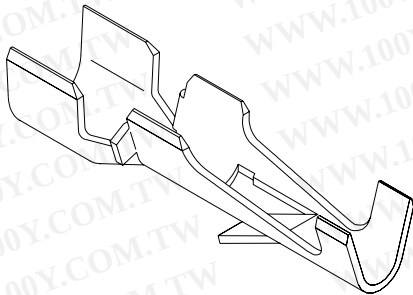
Circuits	Order No.
2	51036-0200
3	51036-0300
4	51036-0400
5	51036-0500
6	51036-0600
7	51036-0700
8	51036-0800

Circuits	Order No.
9	51036-0900
10	51036-1000
11	51036-1100
12	51036-1200
13	51036-1300
14	51036-1400
15	51036-1500

PC Board Crimp Terminal

5190-01T

**Stand Alone
Board-In**



Features and Benefits

- Secures wire to PC board before wave soldering
- Rapid and economical means of hand wiring PC boards
- Wire solders directly to PC board
- No additional contact resistance
- Low profile
- Recommended PC board hole diameter $1.24 \pm 0.08\text{mm}$ ($.048 \pm .003"$) for 1.57mm (.062") thick PC board

Reference Information

Product Specification: PS-5190-001

Packaging: Reel

UL File No.: E29179

Designed In: Millimeters

Physical

Contact: Brass

Plating: Tin

Strip Length: 6.0 to 6.6mm

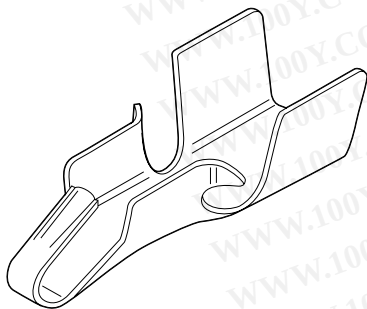
Order No.	Wire Gauge AWG	Insulation Diameter	Lead-free
08-70-0060	22-26	1.70 max.	Yes

www.molex.com/product/board_in.html

PC Board Crimp Terminal

90198

**Stand Alone
Board-In**



Features and Benefits

- Terminal locking lance holds wire in PCB for soldering
- Design allows both wire and terminal to be soldered and assures proper solder flow
- Insulation support prevents damage to the wire or solder joint
- Low profile—total height above PCB is less than most components (2.80mm/.106")
- No terminal resistance, resistance is limited to integrity of the solder joint

Reference Information

Product Specification: PS-90198

Tooling Information: See Application Tooling section

UL File No.: E29179

Mechanical

Insertion Force to PCB: 2.5 lb max.

Physical

Contact: Phosphor Bronze

Plating: 1 μm Hot Tin

PCB Mounting Hole Diameter:

22 AWG—1.23-1.30mm (.048-.051")

24 and 26 AWG—1.17-1.25mm (.046-.049")

(for 1.37-1.77mm/.054-.070" thick PCB)

Order No.	Wire Gauge AWG	Insulation (Max.)	Lead-free
90198-0001	22, 24, 26	1.52 (.060)	Yes

Note: Product specifications are dependent on the PCB, solder and wire to be used.

1.27mm (.050") Pitch Single/Dual Row Custom Headers

Features and Benefits

- Sizes 4 to 80 circuits
- Available with stand-off version
- Available with and without locating peg
- Available with and without cap

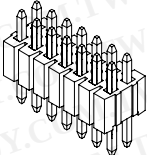
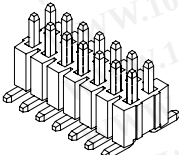
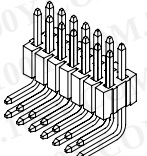
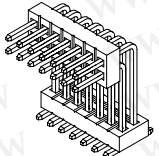
Electrical

Voltage: 125V
Current: 1.0A
Dielectric Withstanding Voltage: 250V
Insulation Resistance: 100 Megohms min.

Physical

Housing: High-temperature black glass-filled thermoplastic, UL 94V-0

Contact: 0.40mm (.016") square copper alloy
Plating: Tin, Gold flash or 10, 15 or 30µ" select Gold

	Dual Body Options	Series		Dual Body Options	Series
	Through Hole	87932		SMT	87933
	Right Angle	87934		SMT with Right Angle	87980

2.00mm (.079") Pitch Single/Dual Row Custom Headers

Features and Benefits

- Sizes 2 to 50 circuits
- Available with and without locating peg
- Available with and without cap

Reference Information

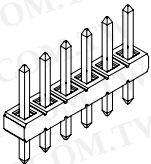
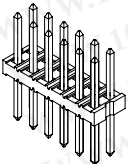
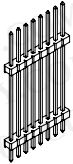
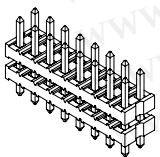
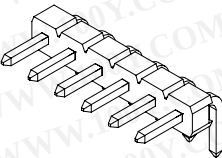
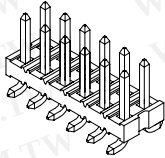
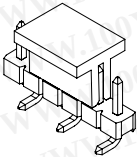
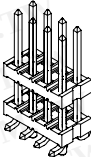
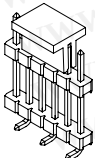
Mates With: 56110, 79107, 79108, 79109, 87263, 87264, 87340, 87365, 87381

Electrical

Voltage: 125V
Current: 2.0A
Dielectric Withstanding Voltage: 500V
Insulation Resistance: 1000 Megohms min.

Physical

Housing: High-temperature 4/6 Nylon, UL 94V-0
Contact: 0.50mm (.020") square copper
Plating: Tin, Gold flash or 10, 15 or 30µ" select Gold

Single Body Options		Series	Dual Body Options		Series
	Through Hole	87752		Through Hole	87758
		87755			87761
	Right Angle	87754		SMT	87759
	SMT	87753			87762
		87756			

D

3.00 to 7.92mm (.118 to .312") Pitch PCB and Wire Connectors

2.54mm (.100") Pitch Single/Dual Row Custom Headers

Features and Benefits

- Sizes 2 to 100 circuits (wafer height: 2.29mm)
- Sizes 2 to 80 circuits (wafer height: 2.49mm)
- Available with stand-off version
- Available with and without locating peg
- Available with and without cap

Reference Information

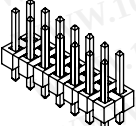
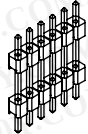
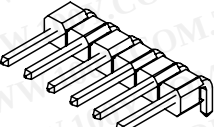
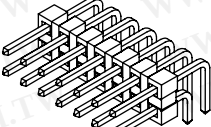
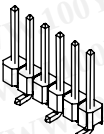
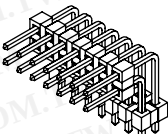
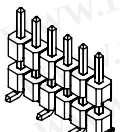
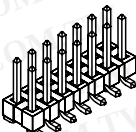
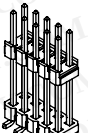
Mates With: 7859 shunts, C-Grind receptacles, SL Crimp and IDT housings

Electrical

Voltage: 250V
Current: 3.0A
Dielectric Withstanding Voltage: 600V
Insulation Resistance: 1000 Megohms min.

Physical

Housing: High-temperature black glass-filled thermoplastic
UL 94V-0
Contact: Copper alloy, 0.64mm (.025") square
Plating: Tin, Gold flash or 10, 15 or 30μ" select Gold

	Single Body Options	Series		Dual Body Options	Series
	Through Hole	87891		Through Hole	87914
		87937			87797
	Right Angle	87897		Right Angle	87911
	SMT	87898			87952
		87938		SMT	87920
					87939

3.96mm (.156") Pitch Single Row Custom Headers

Features and Benefits

- Sizes 2 to 24 circuits
- Optional voided pin version for polarization to the mating part available
- Available with or without cap

Reference Information

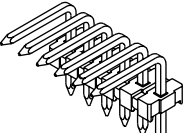
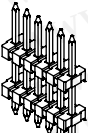
Mates With: KK® 3.96mm receptacles
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 7.0A
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 50,000 Megohms min.

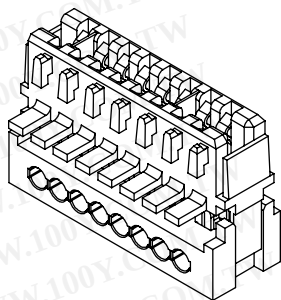
Physical

Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy, 1.14mm Square
Plating: Tin or 15μ" select gold

	Single Body Options	Series		Dual Body Options	Series
	Right Angle Through Hole	68342		Vertical Through Hole	68344

2.50mm (.098") and 5.00mm (.197") Pitch Appli-Mate™ RAST IDT Connector System Direct Edge Card

91780 With Locking Latch



Circuits	Order No.	Lead-free
4	91780-0501	Yes
8	91780-2501	
9	91780-3001	

Features and Benefits

- Locks directly onto PCB, eliminating the need for a guide frame or header
- Available in 2.50 and 5.00mm pitch to allow use in high and low voltage applications
- Available in a range of circuit sizes, terminal positions, polarizing ribs and keying options.

Reference Information

Product Specification: PS-99020-0040
Packaging: Tray
Designed in: Millimeters

Electrical

Voltage: 2.50mm Pitch—32V
5.00mm Pitch—240V
Current: 2.0 A
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance: 1000 Megohms min.

Mechanical

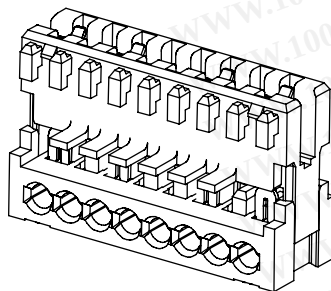
Wire Pull-Out Force: 50N per circuit
Mating Force: 4N (0.90 lb)
Unmating Force: 0.5N (0.11 lb)
Durability: 10 cycles

Physical

Housing: Nylon, UL 94V-0
Contact: Copper Alloy
Plating: Contact Area—Tin
Wire Gauge: 22 to 24 AWG
PCB Thickness: 1.40mm (.056")

5.00mm (.197") Pitch Appli-Mate™ 5.0 RAST IDT Connector System Receptacle Housing

91717 Female, Direct/Indirect



Circuits	Order No.	Lead-free
2	91717-0002	Yes
3	91717-1001	
4	91717-2001	
5	91717-3001	
6	91717-4001	
7	91717-5001	

Features and Benefits

- Complies with RAST 5.0 standard specification
- Molded polarized features
- Two points of contact at interface
- Same connector will mate with male header and direct to PCB
- Suitable for use with 0.22-0.38mm cable
- Manual, semi-automatic and fully-automatic state-of-the-art terminating machines available

Reference Information

Product Specification: PS-99020-0040
Packaging: Tray
Mates With: 90860 and 90861
Designed In: Millimeters

Electrical

Voltage: 60V
Current: 2.0A
Contact Resistance: 10 milliohms max.
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance: 1000 Megohms min.

Mechanical

Mating Force: 4.00N (0.90 lb)
Unmating Force: 0.50N (0.11 lb)
Durability: 10 cycles

Physical

Housing: Nylon PA6, UL 94V-0
Contact: Phosphor Bronze
Plating: Contact Area—Tin