

Dynamic Series Connectors

D-1000 Series

Series profile

This is the smallest series in the Dynamic series. It is the perfect connector for highly reliable signal lines in industrial machinery. There are three pitches available, standard 2.0 mm, high voltage 2.5 mm, and a 3.5 mm branching type, depending on line size, various voltages and other factors. In the future this lineup will be expanded according to demand.

A tin plated type that maintains high reliability has been made available in consideration of cost performance. Using this type can help reduce costs, depending on the environment and other conditions.



Features

Feature 1 (Changeable die set crimping hand tool)

Crimping hand tool is changeable die set structure. It can reduce the lead time for delivery, offer minimal installation tooling cost. This tooling system will evolve to other Dynamic product, D-2000, D-3000, and D-4000 series in the future plan.

Feature 2 (Wide range applicable cable)

D-1000 series receptacle and tab contact have wide applicable wire range that can apply for #30 through #18 with 2.2mm ϕ of outside diameter maximum. It means you can use it for electrical cabinet without special thinking.

Feature 3 Extensive series lineup

A) Housing products

D-1000 series consists of D-1100 series for 2.0mm pitch center line, D-1200 series for 2.5mm pitch center line as standard type. In addition, there also lines up D-1500 series for 3.5mm pitch sensor application or branch connection of power line.

B) Contact products

D-1000 series has gold plating contact as

standard products and also Tin plating contact for economical market needs. You can choose the contact depending on specification, application, quality level and cost so that you can utilize D-1000 series at several places in equipment.

■ Other feature (Basic Dynamic series features)

- Header connector and tab connector have enough length from the tip of contact to top of its housing. It prevents contact from bending that sometimes happens when receptacle mating to tab connector, because it begins the first time for contacts to start connects when housings align each other.

- D-1000 has housing lance structure.

Without contact lance, it is expected to avoid contact lance broken in terminal process handling.

- Clear identification of circuit number provides correct wiring.

- Metal retention leg assembled tab header prevents from unexpectedly cable tension.

- Housing lock design is offering no wire scratching.

Dynamic Series Connectors

D-1000 Series Specifications and Standards

Performance Specifications

Item \ Series	D-1100	D-1200	D-1500
Pitch	2.0mm	2.5mm	3.5mm
Voltage Rating	125V AC/DC	250V AC/DC	250V AC/DC
Current Rating (Max)	Pos.:3A When using AWG22 wire	Pos.:5A AWG18 wire	Pos.:5A
Contact Resistance	20mΩ Max. (Final)		
Dielectric With-standing Voltage	1,000V AC	1,500V AC	1,500V AC
Temperature Range	-55°C~+105°C		

Positions/wire size/current rating

D-1100/1200/1500 Series

No. of Pos.	Wire Size (AWG)						
	18	20	22	24	26	28	30
1	5	4	3	2.5	2	1.5	1
2~20	3.5	2.7	2.5	2	1.5	1	0.8
21~40			2	1.5	1	0.8	0.5

Specifications and Instruction Sheet

Product Specification		108-78268 (Gold plated) 108-78298 (Tin plated)
Application Specification		114-5377
Hand Tool Instruction Sheet	Hand Tool Part Number: 2119144-1	408-10414
	Hand Tool Part Number: 2119141-1	408-10414
	Hand Tool Part Number: 2119143-1	408-10414
	Hand Tool Part Number: 2119142-1	408-10414
Extraction Tool Part Number: 1891526-1		411-78241

Material and Finish

Description	Material	Finish
Receptacle Contact Tab Contact	Copper alloy	Gold plated(0.38 μm) over Nickel plated(1.27 μm)
PCB Tab Post	Copper alloy	Gold plated(0.38 μm)over Nickel plated(1.27 -1 μm) Tab Post Tin plated(2.0 μm)
Housing	UL94V-0, Grass filled thermoplastic Polyester (PBT)	

Safety Specifications Don't fail to obtain Instruction Sheets when you choose to use these tools. Orders can be placed through our online catalogs also. The safety specifications listed below are approved on specific part numbers. Contact our Sales Department to check if the part numbers you use are approved or not. Keep in mind that there are instances where values differ from those given by Product Specification.

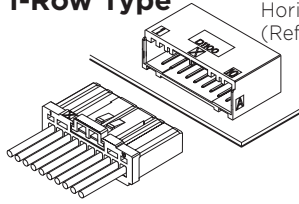
Series \ Specifications	D-1100			D-1200, D-1500		
	Voltage Rating	Current Rating	Temperature Rating	Voltage Rating	Current Rating	Temperature Rating
Product Specification 108-78268	125V AC/DC	3A (1Pos.)	-55°C ~+105°C	250V AC/DC	5A (1Pos.)	-55°C ~+105°C
UL File No.E28476	Determined by needs of machine used	Determined by needs of machine used	—	Determined by needs of machine used	Determined by needs of machine used	—
CSA Report No.LR7189	125V AC/DC	3A	—	250V AC/DC	5A	—
TÜV	125V AC/DC	AWG A (1Pos.)	-55°C ~+105°C	250V AC/DC	AWG A (1Pos.)	-55°C ~+105°C
		22 3			18 5	
		24 2.5			20 4	
		26 2			22 3	
		28 1.5			24 2.5	
		30 1			26 2	
					28 1.5	
					30 1	

Some part numbers are not available yet. For more information, contact our Sales Department.

Dynamic Series Connectors

D-1000 Series List of Dynamic Series Products by Application

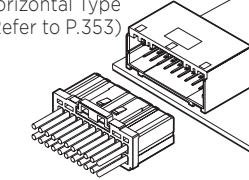
D-1100S 1-Row Type



D-1100S
Board-Mounting
Horizontal Type
(Refer to P.352)

D-1100D 2-Row Type

D-1100D
Board-Mounting
Horizontal Type
(Refer to P.353)



D-1100D
Receptacle Housing
(Refer to P.353)

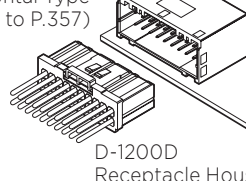
D-1100D
Free-Hanging Type
(Refer to P.353)

D-1100D
Panel Type
(Refer to P.353)

D-1100D
Receptacle
Housing
(Refer to P.353)

D-1200D 2-Row Type

D-1200D
Board-Mounting
Horizontal Type
(Refer to P.357)



D-1200D
Receptacle Housing
(Refer to P.357)

D-1200D
Free-Hanging Type
(Refer to P.353)

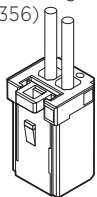
D-1200D
Panel Type
(Refer to P.357)

D-1200D
Board-Mounting
Vertical Type
(Refer to P.357)

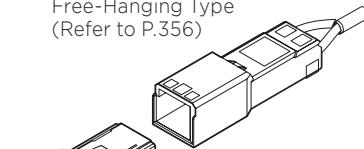
D-1200D
Receptacle
Housing
(Refer to P.357)

D-1200S 1-Row Type

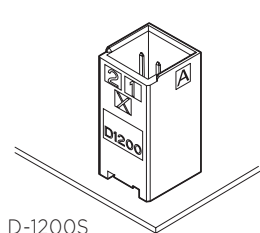
D-1200S
Receptacle Housing
(Refer to P.356)



D-1200S
Free-Hanging Type
(Refer to P.356)



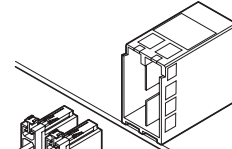
D-1200S
Receptacle Housing
(Refer to P.356)



D-1200S
Board-Mounting Vertical Type
(Refer to P.356)

D-1500T 3-Row Type

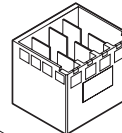
D-1500T
Board-Mounting
Horizontal Type
(Refer to P.360)



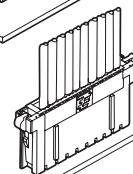
D-1500T
Receptacle Housing
(Refer to P.360)

D-1500T
Receptacle Housing
(Refer to P.360)

D-1500T
Board-Mounting
Vertical Type
(Refer to P.360)

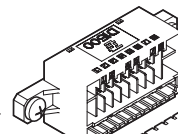


D-1500T
Receptacle Housing
(Refer to P.361)

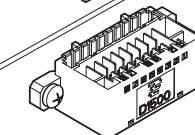


D-1500T Junction Box

D-1500T
Panel-Mounting
Vertical Type
(Refer to P.361)



D-1500T
Receptacle
Housing
(Refer to P.361)

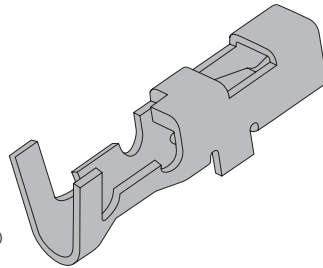


D-1500T
Panel-Mounting
Horizontal Type
(Refer to P.361)

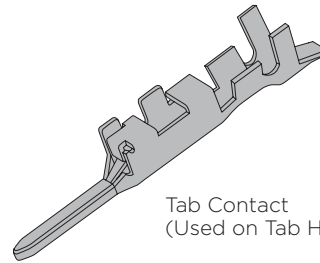
Dynamic Series Connectors

D-1 Contact

■ Crimp Type



Receptacle Contact
(Used on Receptacle Housing)



Tab Contact
(Used on Tab Housing)

Applicable Wire		Wire Ins. Diameter mm	Wire Range Mark	Contact Part Number					Tool Part Number	
				Receptacle Contact		Tab Contact			Mini-Applicator	Hand Tool *1 (Dies Only)
AWG	mm ²				Gold Plated	Tin Plated	Gold Plated	Tin Plated		
30 28	0.05 0.09	0.6-1.2	S	Strip Form	1827569-2	—	1903111-2	—	2114042-2	—
				Loose Piece	1827586-2	—	1903115-2	—	—	2119144-1
28 26 24 22	0.08 0.12 0.20 0.38	1.08-1.6	M	Strip Form	1827570-2	1871303-1	1903112-2	1903120-1	2114045-2	—
				Loose Piece	1827587-2	1871743-1	1903116-2	1903124-1	—	2119141-1
28 26 24 22	0.08 0.12 0.20 0.38	1.08-1.9	L	Strip Form	1827571-2	1871304-1	1903113-2	1903121-1	2114043-2	—
				Loose Piece	1827588-2	1871744-1	1903117-2	1903125-1	—	2119143-1
22 20 18	0.34 0.50 0.86	1.4-2.2	2L	Strip Form	1827572-2	1871731-1	1903114-2	1903122-1	2114047-2	—
				Loose Piece	1827589-2	1871745-1	1903118-2	1903126-1	—	2119142-1

Note:

- Minimum order quantity is provided. When ordering, specify your requirements by multiplying the quantity. (For more information, contact our Sales Department.)
- Gold plated : 0.38 μm Tin plated : 2.0 μm
- Mini-Applicators are for use with automachines. (For more information, contact our Sales Department.)
- Extraction tool : 1891526-1

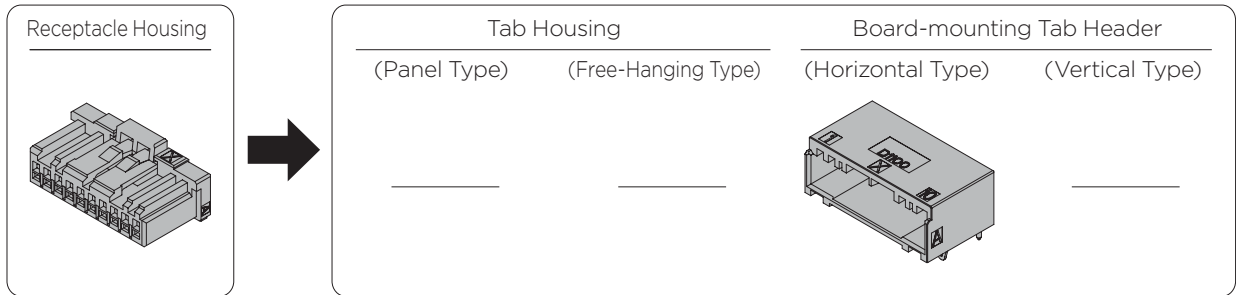
- Strip Form contacts are for use with Mini-Applicators (automachines) and Loose-Piece contacts are for Hand tools.
- The contacts L and 2L do not fit into the D-1100 receptacle housing.
- *1 With Dies
CC II Hand Tool (CERTI-CRIMP II) with Flip Locator
Keying Plug : 1939588-1

The receptacle contacts can be used with all of the receptacle housings, and tab contacts can be used with all of the tab housings. See from page 437 for details on applicable tools.

Dynamic Series Connectors

D-1100S — Standard 1 Row Type

Part Number Chart

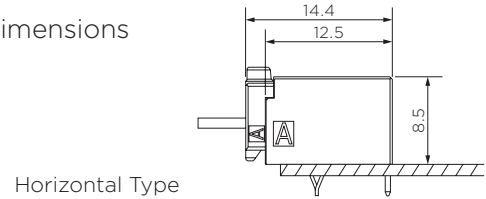


No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		Board-mounting Tab Header	
					Panel Type	Free-Hanging Type	Horizontal Type	Vertical Type
4	Black	X	1-1939758-4	Gold	—	—	1-1939760-4	—
		Y	2-1939758-4	Tin			1-1939761-4	
	Black	X	1-1939758-8	Gold	—	—	2-1939760-4	—
		Y	2-1939758-8	Tin			2-1939761-4	
8	Black	X	1-1939758-8	Gold	—	—	1-1939760-8	—
		Y	2-1939758-8	Gold			2-1939760-8	
	Black	X	1-1939758-0	Gold	—	—	1-1939760-0	—
		Y	2-1939758-0	Tin			1-1939761-0	
10	Black	X	1-1939758-0	Gold	—	—	2-1939760-0	—
		Y	2-1939758-0	Tin			2-1939761-0	
	Black	X	1-1939758-0	Gold	—	—	1-1939760-0	—
		Y	2-1939758-0	Tin			1-1939761-0	

Information about related products

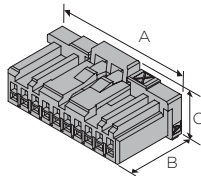
Applicable Contact Refer to P.351
Performance Specifications... Refer to P.349

Mating Dimensions



Dimensions

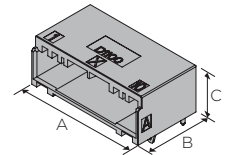
■ Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	—	Black	1-1939758-4	10.6	11.3	9.2
	Y	—	Black	2-1939758-4			
8	X	—	Black	1-1939758-8	18.6	11.3	9.2
	Y	—	Black	2-1939758-8			
10	X	—	Black	1-1939758-0	22.6	11.3	9.2
	Y	—	Black	2-1939758-0			

■ Board-mounting Tab Header

Horizontal Type

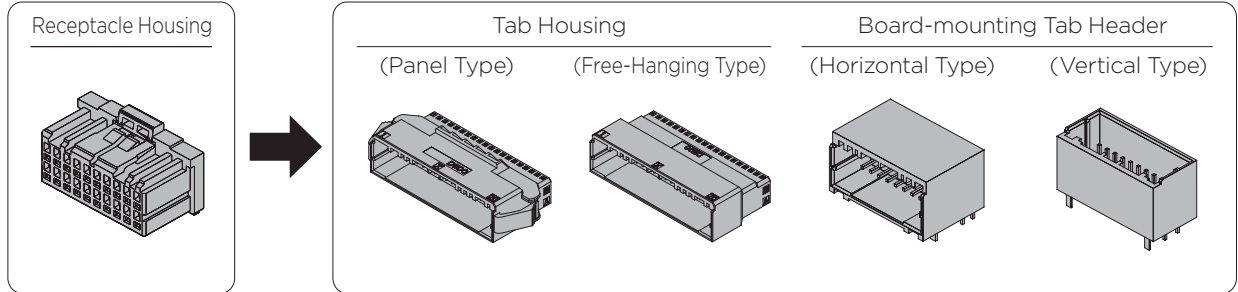


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	Gold	Black	1-1939760-4	10.6	12.5	8.5
		Tin		1-1939761-4			
	Y	Gold	Black	2-1939760-4			
		Tin		2-1939761-4			
8	X	Gold	Black	1-1939760-8	18.6	12.5	8.5
	Y	Gold	Black	2-1939760-8			
10	X	Gold	Black	1-1939760-0	22.6	12.5	8.5
		Tin		1-1939761-0			
	Y	Gold	Black	2-1939760-0			
		Tin		2-1939761-0			

Dynamic Series Connectors

D-1100D — Standard 2 Row Type

Part Number Chart



No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		Board-mounting Tab Header	
					Panel Type	Free-Hanging Type	Horizontal Type	Vertical Type
10	Black	X	1-1827862-5	Gold	—	—	1-1827873-5	1-2040516-5
20	Black	X	1-1827862-0	Gold	—	—	1-1827873-0	—
22	Black	X	1-1827863-1	Gold	1-1903128-1	1-1903127-1	—	1-1827872-1
	Natural		1-1871057-1	Gold	—	—	—	1-2013710-1
	Yellow	Y	3-1871057-1	Tin	—	—	—	3-1871056-1
26	Black	X	1-1827863-3	Gold	1-1903128-3	1-1903127-3	1-1939638-3	1-1827872-3
	Natural		1-1871057-3	Tin	—	—	—	1-1871056-3
	Black	Y	2-1827863-3	—	—	—	—	Refer to P.361 SMT
28	Black	X	1-1827863-4	Gold	1-1903128-4	1-1903127-4	1-1939638-4	1-1827872-4
	Red		5-1871057-4	Tin	—	—	—	5-1871056-4
30	Black	X	1-1827863-5	Gold	—	—	—	1-1827872-5
	Natural		1-1871057-5	Tin			—	1-1871315-5
	Yellow		3-1871057-5	Tin			3-2013653-5	3-1871056-5
32	Black	X	1-1827863-6	Gold	1-1903128-6	1-1903127-6	—	1-1827872-6
	Natural		1-1871057-6	Tin	—	—	—	1-1871056-6
	Red		5-1871057-6	Tin	—	—	—	5-1871056-6
34	Black	X	1-1827863-7	Gold	1-1903128-7	1-1903127-7	1-1939638-7	1-1827872-7
	Black	Y	2-1827863-7	Gold	—	—	—	2-1827872-7
40	Black	X	1-1827863-0	Gold	1-1903128-0	1-1903127-0	—	1-1827872-0
	Black		2-1827863-0	Tin			—	1-1871315-0
	Natural	X	1-1871057-0	Gold	—	—	—	2-1827872-0
	Yellow		3-1871057-0	Tin			1-2013653-0	1-1871056-0
	Red		5-1871057-0	Tin			—	3-1871056-0

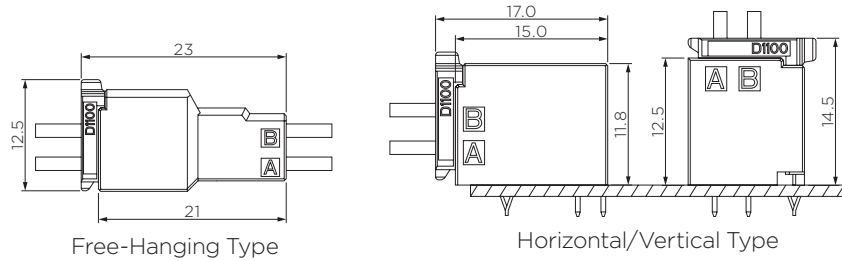
Information about related products

Applicable Contact Refer to P.351
Performance Specifications... Refer to P.349

Dynamic Series Connectors

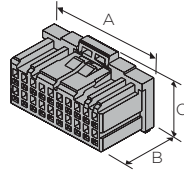
D-1100D — Standard 2 Row Type

Mating Dimensions



Dimensions

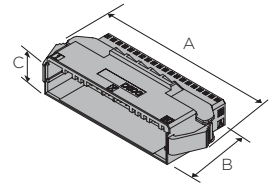
■ Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
10	X	—	Black	1-1827862-5	12.6	11.3	12.5
20	X	—	Black	1-1827862-0	22.6	11.3	12.5
22	X	—	Black	1-1827863-1	24.6	11.3	12.5
		—	Natural	1-1871057-1			
		—	Yellow	3-1871057-1			
26	X	—	Black	1-1827863-3	28.6	11.3	12.5
		—	Natural	1-1871057-3			
		Y	Black	2-1827863-3			
28	X	—	Black	1-1827863-4	30.6	11.3	12.5
		—	Red	5-1871057-4			
30	X	—	Black	1-1827863-5	32.6	11.3	12.5
		—	Natural	1-1871057-5			
		—	Yellow	3-1871057-5			
32	X	—	Black	1-1827863-6	34.6	11.3	12.5
		—	Natural	1-1871057-6			
		—	Red	5-1871057-6			
34	X	—	Black	1-1827863-7	36.6	11.3	12.5
	Y	—	Black	2-1827863-7			
40	X	—	Black	1-1827863-0	42.6	11.3	12.5
	Y	—	Black	2-1827863-0			
	X	—	Natural	1-1871057-0			
		—	Yellow	3-1871057-0			
		—	Red	5-1871057-0			

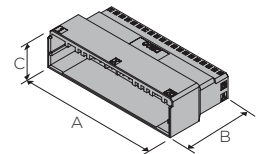
■ Tab Housing

Panel Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
22	X	—	Black	1-1903128-1	34.1	21.0	13.9
26	X	—	Black	1-1903128-3	38.1	21.0	13.9
28	X	—	Black	1-1903128-4	40.1	21.0	13.9
32	X	—	Black	1-1903128-6	44.1	21.0	13.9
34	X	—	Black	1-1903128-7	46.1	21.0	13.9
40	X	—	Black	1-1903128-0	52.1	21.0	13.9

Free-Hanging Type



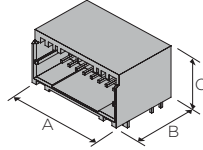
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
22	X	—	Black	1-1903127-1	24.6	21.0	11.3
26	X	—	Black	1-1903127-3	28.6	21.0	11.3
28	X	—	Black	1-1903127-4	30.6	21.0	11.3
32	X	—	Black	1-1903127-6	34.6	21.0	11.3
34	X	—	Black	1-1903127-7	36.6	21.0	11.3
40	X	—	Black	1-1903127-0	42.6	21.0	11.3

Dynamic Series Connectors

D-1100D — Standard 2 Row Type

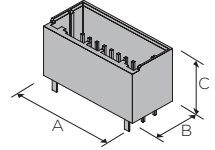
■ Board-mounting Tab Header

Horizontal Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
10	X	Gold	Black	1-1827873-5	12.6	15.0	11.8
20	X	Gold	Black	1-1827873-0	22.6	15.0	11.8
26	X	Gold	Black	1-1939638-3	28.6	15.0	11.8
28	X	Gold	Black	1-1939638-4	30.6	15.0	11.8
30	X	Tin	Yellow	3-2013653-5	32.6	15.0	11.8
34	X	Gold	Black	1-1939638-7	36.6	15.0	11.8
40	X	Tin	Natural	1-2013653-0	42.6	15.0	11.8

Vertical Type

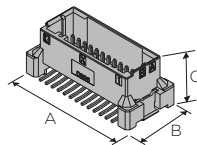


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
10	X	Gold	Black	1-2040516-5	12.6	11.3	12.5
22	X	Gold	Black	1-1827872-1	24.6	11.3	12.5
		Tin	Yellow	3-1871056-1			
26	X	Gold	Black	1-1827872-3	28.6	11.3	12.5
		Tin	Natural	1-1871056-3			
28	X	Gold	Black	1-1827872-4	30.6	11.3	12.5
		Tin	Red	5-1871056-4			
30	X	Gold	Black	1-1827872-5	32.6	11.3	12.5
		Tin	Black	1-1871315-5			
		Tin	Natural	1-1871056-5			
		Tin	Yellow	3-1871056-5			
32	X	Gold	Black	1-1827872-6	34.6	11.3	12.5
		Tin	Natural	1-1871056-6			
		Tin	Red	5-1871056-6			
34	X	Gold	Black	1-1827872-7	36.6	11.3	12.5
	Y	Gold	Black	2-1827872-7			
40	X	Gold	Black	1-1827872-0	42.6	11.3	12.5
		Tin	Black	1-1871315-0			
	Y	Gold	Black	2-1827872-0			
		Tin	Natural	1-1871056-0			
	X	Tin	Yellow	3-1871056-0			
		Tin	Red	5-1871056-0			

SMT Type

■ Board-mounting Tab Header

Vertical Type

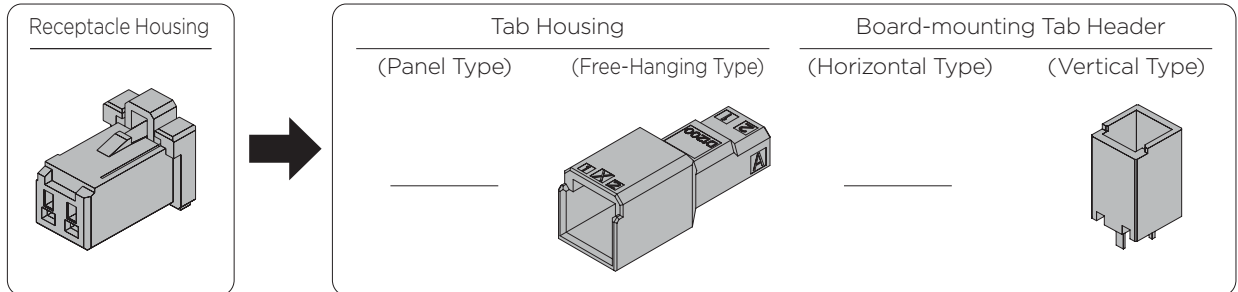


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
26	X	Gold	Black	1-1939995-3	34.6	16.3	13.5
	Y	Gold	Black	2-1939995-3			
40	X	Gold	Black	1-1939995-0	48.6	16.3	13.5
	Y	Gold	Black	2-1939995-0			

Dynamic Series Connectors

D-1200S — High-Voltage 1 Row Type

Part Number Chart

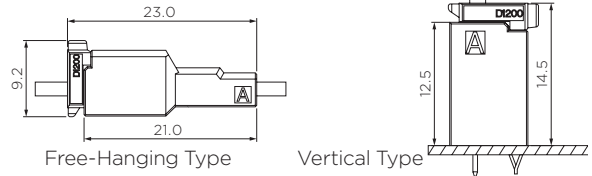


No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		Board-mounting Tab Header	
					Panel Type	Free-Hanging Type	Horizontal Type	Vertical Type
2	Black	X	1-1871465-2	Gold	—	1-1903129-2	—	1-1871468-2
	—	Y	—	—	—	—	—	—

Information about related products

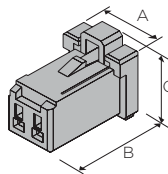
Applicable Contact Refer to P.351
Performance Specifications... Refer to P.349

Mating Dimensions



Dimensions

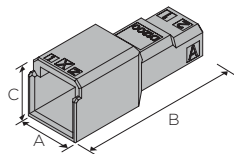
■ Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	—	Black	1-1871465-2	7.6	11.3	9.2

■ Tab Housing

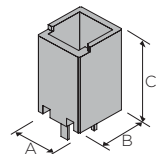
Free-Hanging Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	—	Black	1-1903129-2	7.6	21.0	8.0

■ Board-mounting Tab Header

Vertical Type

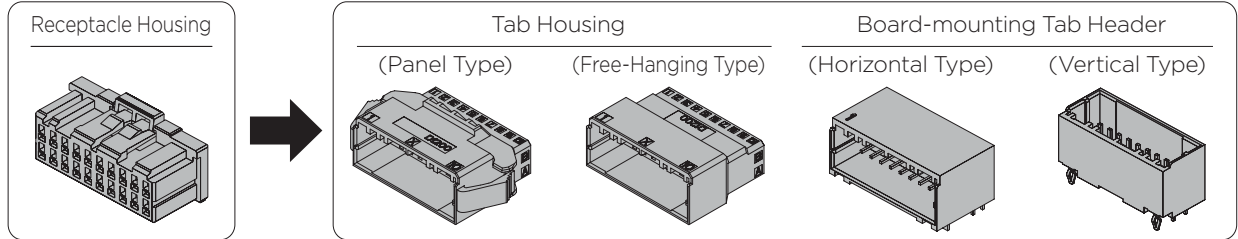


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	Gold	Black	1-1871468-2	7.6	8.0	12.5

Dynamic Series Connectors

D-1200D — High-Voltage 2 Row Type

Part Number Chart



No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		Board-mounting Tab Header	
					Panel Type	Free-Hanging Type	Horizontal Type	Vertical Type
4	Black	X	1-1827864-2	Gold	1-1903131-2	1-1903130-2	1-1827876-2	1-1827875-2
	Natural		1-1939028-2	Tin			1-1871673-2	—
	Yellow		3-1939028-2	Gold			1-1939818-2	1-1939261-2
	Black	Y	2-1827864-2	Gold	—	—	3-1939818-2	3-1939261-2
	Natural		2-1939028-2	Gold			2-1827876-2	2-1827875-2
	Yellow		4-1939028-2	Gold			2-1939818-2	2-1939261-2
6	Black	X	1-1827864-3	Gold	1-1903131-3	1-1903130-3	4-1939818-2	4-1939261-2
	Black		—	Tin			1-1827876-3	1-1827875-3
	Natural		1-1939028-3	Gold			—	1-2040558-3
	Yellow	Y	3-1939028-3	Gold	2-1903131-3	2-1903130-3	1-1939818-3	1-1939261-3
	Black		2-1827864-3	Gold			3-1939818-3	3-1939261-3
	Natural		2-1939028-3	Gold			2-1827876-3	2-1827875-3
8	Black	X	1-1827864-4	Gold	1-1903131-4	1-1903130-4	2-1939818-3	2-1939261-3
	Natural		1-1939028-4	Gold			4-1939818-3	4-1939261-3
	Yellow		3-1939028-4	Gold			1-1827876-4	1-1827875-4
	Black	Y	2-1827864-4	Gold	2-1903131-4	2-1903130-4	1-1939818-4	1-1939261-4
	Natural		2-1939028-4	Gold			3-1939818-4	3-1939261-4
	Yellow		4-1939028-4	Gold			2-1827876-4	2-1827875-4
10	Black	X	1-1827864-5	Gold	—	—	2-1939818-4	2-1939261-4
	Natural		1-1939028-5	Gold			4-1939818-4	4-1939261-4
	Yellow		3-1939028-5	Gold			—	1-1827875-5
	Black	Y	2-1827864-5	Gold	—	—	—	1-1939261-5
	Natural		2-1939028-5	Gold			—	3-1939261-5
	Yellow		4-1939028-5	Gold			—	2-1827875-5
12	Black	X	1-1827864-6	Gold	1-1903131-6	1-1903130-6	—	2-1939261-5
	Natural		1-1939028-6	Tin			1-1827876-6	1-1827875-6
	Yellow		3-1939028-6	Gold			1-1871673-6	—
	Black	Y	2-1827864-6	Gold	2-1903131-6	2-1903130-6	1-1939818-6	1-1939261-6
	Natural		2-1939028-6	Gold			3-1939818-6	3-1939261-6
	Yellow		4-1939028-6	Gold			2-1827876-6	2-1827875-6
20	Black	X	1-1827864-0	Gold	1-1903131-0	1-1903130-0	2-1939818-6	2-1939261-6
	Natural		1-1939028-0	Gold			4-1939818-6	4-1939261-6
	Yellow		3-1939028-0	Gold			1-1827876-0	1-1827875-0
	Black	Y	2-1827864-0	Gold	2-1903131-0	2-1903130-0	1-1939818-0	1-1939261-0
	Natural		2-1939028-0	Gold			3-1939818-0	3-1939261-0
	Yellow		4-1939028-0	Gold			2-1827876-0	2-1827875-0

Information about related products

Applicable Contact Refer to P.351

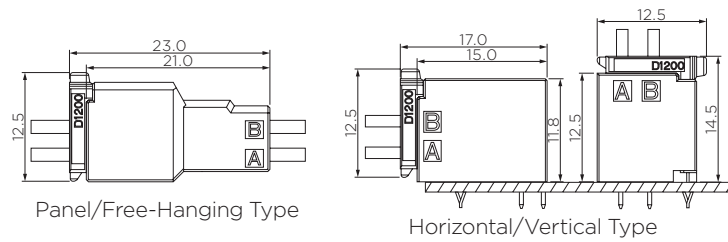
Performance Specifications... Refer to P.349

Note: All Part Numbers are RoHS compliant.

Dynamic Series Connectors

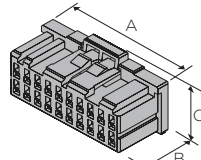
D-1200D — High-Voltage 2 Row Type

Mating Dimensions



Dimensions

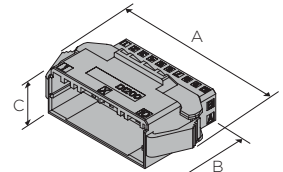
■ Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	—	Black	1-1827864-2	7.6	11.3	12.5
		—	Natural	1-1939028-2			
		—	Yellow	3-1939028-2			
	Y	—	Black	2-1827864-2			
		—	Natural	2-1939028-2			
		—	Yellow	4-1939028-2			
6	X	—	Black	1-1827864-3	10.1	11.3	12.5
		—	Natural	1-1939028-3			
		—	Yellow	3-1939028-3			
	Y	—	Black	2-1827864-3			
		—	Natural	2-1939028-3			
		—	Yellow	4-1939028-3			
8	X	—	Black	1-1827864-4	12.6	11.3	12.5
		—	Natural	1-1939028-4			
		—	Yellow	3-1939028-4			
	Y	—	Black	2-1827864-4			
		—	Natural	2-1939028-4			
		—	Yellow	4-1939028-4			
10	X	—	Black	1-1827864-5	15.1	11.3	12.5
		—	Natural	1-1939028-5			
		—	Yellow	3-1939028-5			
	Y	—	Black	2-1827864-5			
		—	Natural	2-1939028-5			
		—	Yellow	4-1939028-5			
12	X	—	Black	1-1827864-6	17.6	11.3	12.5
		—	Natural	1-1939028-6			
		—	Yellow	3-1939028-6			
	Y	—	Black	2-1827864-6			
		—	Natural	2-1939028-6			
		—	Yellow	4-1939028-6			
20	X	—	Black	1-1827864-0	27.6	11.3	12.5
		—	Natural	1-1939028-0			
		—	Yellow	3-1939028-0			
	Y	—	Black	2-1827864-0			
		—	Natural	2-1939028-0			
		—	Yellow	4-1939028-0			

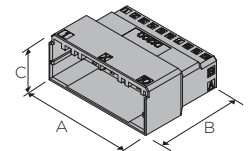
■ Tab Housing

Panel Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	—	Black	1-1903131-2	17.1	21.0	13.9
	X	—	Black	1-1903131-3			
6	Y	—	Black	2-1903131-3	19.6	21.0	13.9
	Y	—	Black	2-1903131-4			
8	X	—	Black	1-1903131-4	22.1	21.0	13.9
	Y	—	Black	2-1903131-4			
12	X	—	Black	1-1903131-6	27.1	21.0	13.9
	Y	—	Black	2-1903131-6			
20	X	—	Black	1-1903131-0	37.1	21.0	13.9
	Y	—	Black	2-1903131-0			

Free-Hanging Type



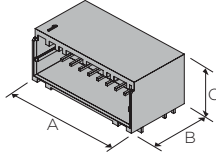
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	—	Black	1-1903130-2	7.6	21.0	11.3
	X	—	Black	1-1903130-3			
	X	—	Natural	1-1939796-3			
	Y	—	Black	2-1903130-3			
	Y	—	Natural	2-1939796-3			
	Y	—	Black	2-1939796-3			
8	X	—	Black	1-1903130-4	12.6	21.0	11.3
	Y	—	Black	2-1903130-4			
12	X	—	Black	1-1903130-6	17.6	21.0	11.3
	Y	—	Black	2-1903130-6			
20	X	—	Black	1-1903130-0	27.6	21.0	11.3
	Y	—	Black	2-1903130-0			

Dynamic Series Connectors

D-1200D — High-Voltage 2 Row Type

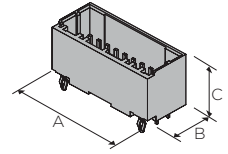
■ Board-mounting Tab Header

Horizontal Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	Gold	Black	1-1827876-2	7.6	15.0	11.8
		Tin	Black	1-1871673-2			
		Gold	Natural	1-1939818-2			
	Y	Gold	Yellow	3-1939818-2			
		Gold	Black	2-1827876-2			
		Gold	Natural	2-1939818-2			
6	X	Gold	Yellow	4-1939818-2	10.1	15.0	11.8
		Gold	Black	1-1827876-3			
		Gold	Natural	1-1939818-3			
	Y	Gold	Yellow	3-1939818-3			
		Gold	Black	2-1827876-3			
		Gold	Natural	2-1939818-3			
8	X	Gold	Yellow	4-1939818-3	12.6	15.0	11.8
		Gold	Black	1-1827876-4			
		Gold	Natural	1-1939818-4			
	Y	Gold	Yellow	3-1939818-4			
		Gold	Black	2-1827876-4			
		Gold	Natural	2-1939818-4			
12	X	Gold	Yellow	4-1939818-4	17.6	15.0	11.8
		Gold	Black	1-1827876-6			
		Tin	Black	1-1871673-6			
	Y	Gold	Natural	1-1939818-6			
		Gold	Yellow	3-1939818-6			
		Gold	Black	2-1827876-6			
20	X	Gold	Natural	2-1939818-6	27.6	15.0	11.8
		Gold	Yellow	4-1939818-6			
		Gold	Black	1-1827876-0			
	Y	Gold	Natural	1-1939818-0			
		Gold	Yellow	3-1939818-0			
		Gold	Black	2-1827876-0			

Vertical Type

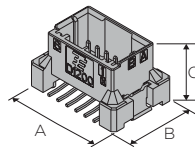


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
4	X	Gold	Black	1-1827875-2	7.6	11.3	12.5
		Gold	Natural	1-1939261-2			
		Gold	Yellow	3-1939261-2			
	Y	Gold	Black	2-1827875-2			
		Gold	Natural	2-1939261-2			
		Gold	Yellow	4-1939261-2			
6	X	Gold	Black	1-1827875-3	10.1	11.3	12.5
		Tin	Black	1-2040558-3			
		Gold	Natural	1-1939261-3			
	Y	Gold	Yellow	3-1939261-3			
		Gold	Black	2-1827875-3			
		Gold	Natural	2-1939261-3			
8	X	Gold	Yellow	4-1939261-3	12.6	11.3	12.5
		Gold	Black	1-1827875-4			
		Gold	Natural	1-1939261-4			
	Y	Gold	Yellow	3-1939261-4			
		Gold	Black	2-1827875-4			
		Gold	Natural	2-1939261-4			
10	X	Gold	Yellow	4-1939261-4	15.1	11.3	12.5
		Gold	Black	1-1827875-5			
		Gold	Natural	1-1939261-5			
	Y	Gold	Yellow	3-1939261-5			
		Gold	Black	2-1827875-5			
		Gold	Natural	2-1939261-5			
12	X	Gold	Yellow	4-1939261-5	17.6	11.3	12.5
		Gold	Black	1-1827875-6			
		Gold	Natural	1-1939261-6			
	Y	Gold	Yellow	3-1939261-6			
		Gold	Black	2-1827875-6			
		Gold	Natural	2-1939261-6			
20	X	Gold	Yellow	4-1939261-6	27.6	11.3	12.5
		Gold	Black	1-1827875-0			
		Gold	Natural	1-1939261-0			
	Y	Gold	Yellow	3-1939261-0			
		Gold	Black	2-1827875-0			
		Gold	Natural	2-1939261-0			

SMT Type

■ Board-mounting Tab Header

Vertical Type

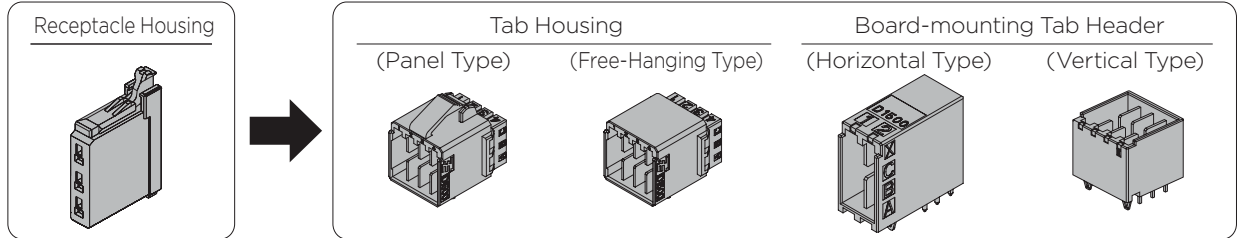


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
12	X	Gold	Black	1-2013407-6	23.6	16.3	13.5

Dynamic Series Connectors

D-1500T — High-Voltage Modular 3 Row Type

Part Number Chart

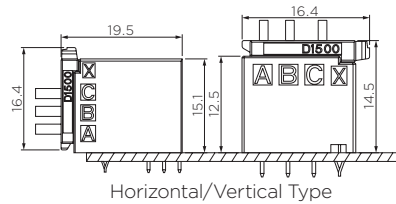


No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		Board-mounting Tab Header	
					Panel Type	Free-Hanging Type	Horizontal Type	Vertical Type
3	Black	X	1-1827579-1	—	—	1-2040444-1	—	1-1827581-1
6	Black	X	1-2069029-2	Gold	1-2040404-2	1-2040444-2	1-1827583-2	1-1827581-2
9	Black	X	1-2069029-3	Gold	1-2040404-3	1-2040444-3	—	1-1827581-3
12	Black	X	1-2069029-4	Gold	1-2040404-4	1-2040444-4	—	1-1827581-4
36	Black	X	—	Gold	3-2040404-2	—	—	—

Information about related products

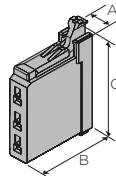
Applicable Contact Refer to P.357
Performance Specifications... Refer to P.355

Mating Dimensions



Dimensions

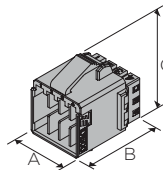
■ Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	—	Black	1-1827579-1	3.3	11.3	16.4
6	X	—	Black	1-2069029-2	6.8	11.3	16.4
9	X	—	Black	1-2069029-3	10.3	11.3	16.4
12	X	—	Black	1-2069029-4	13.8	11.3	16.4

■ Tab Housing

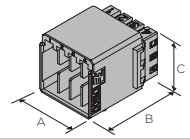
Panel Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	—	Black	1-2040404-2	8.5	21.0	24.5
9	X	—	Black	1-2040404-3	12.0	21.0	24.5
12	X	—	Black	1-2040404-4	15.5	21.0	24.5
36	X	—	Black	3-2040404-2	43.5	21.0	24.5

■ Tab Housing

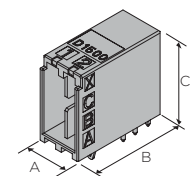
Free-Hanging Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	—	Black	1-2040444-1	3.0	21.0	15.0
6	X	—	Black	1-2040444-2	6.5	21.0	15.0
9	X	—	Black	1-2040444-3	10.0	21.0	15.0
12	X	—	Black	1-2040444-4	13.5	21.0	15.0

■ Board-mounting Tab Header

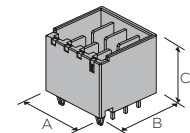
Horizontal Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	Gold	Black	1-1827583-2	8.1	17.5	15.1

■ Board-mounting Tab Header

Vertical Type



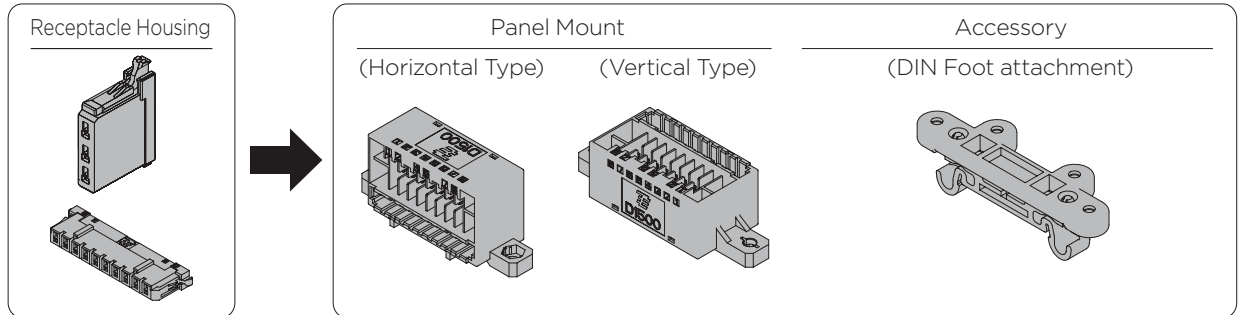
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	Gold	Black	1-1827581-1	4.6	14.6	12.5
6	X	Gold	Black	1-1827581-2	8.1	14.6	12.5
9	X	Gold	Black	1-1827581-3	11.6	14.6	12.5
12	X	Gold	Black	1-1827581-4	15.1	14.6	12.5

Note: All Part Numbers are RoHS compliant.

Dynamic Series Connectors

D-1500T — Junction Box

Part Number Chart



No. of Pos.	Color	Key-ing	Receptacle Housing	Plating	Panel Mount		Accessory
					Horizontal Type	Vertical Type	DIN rail attachment kit
3	Black	X	1-1827579-1	—	—	—	—
10	Black	—	1971150-1	Gold	1971151-1	1971151-2	1971182-1 *

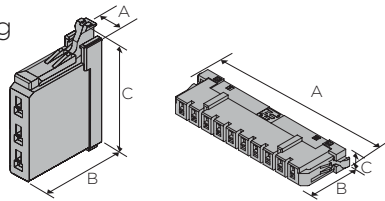
* The following items are in the DIN rail attachment kit.
 —Vertical pull-out type panel mount x 1
 —DIN rail attachment x 1
 —M3 fixing screws x 4

Information about related products

Applicable Contact Refer to P.351
 Performance Specifications... Refer to P.349

Dimensions

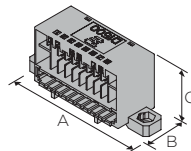
■ Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	—	Black	1-1827579-1	3.3	11.3	16.4
10	—	—	Black	1971150-1	42.2	11.3	4.6

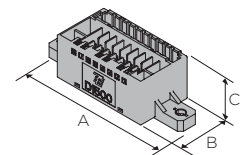
■ Panel Mount

Horizontal Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
34	—	Gold	Black	1971151-1	57.7	18.7	24.6

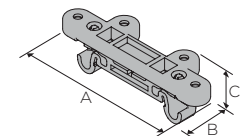
Vertical Type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
34	—	Gold	Black	1971151-2	64.8	22.8	18.2

■ Accessory

DIN Foot attachment kit



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
—	—	—	Black	1971182-1	67.5	19.0	18.1

Note: All Part Numbers are RoHS compliant.