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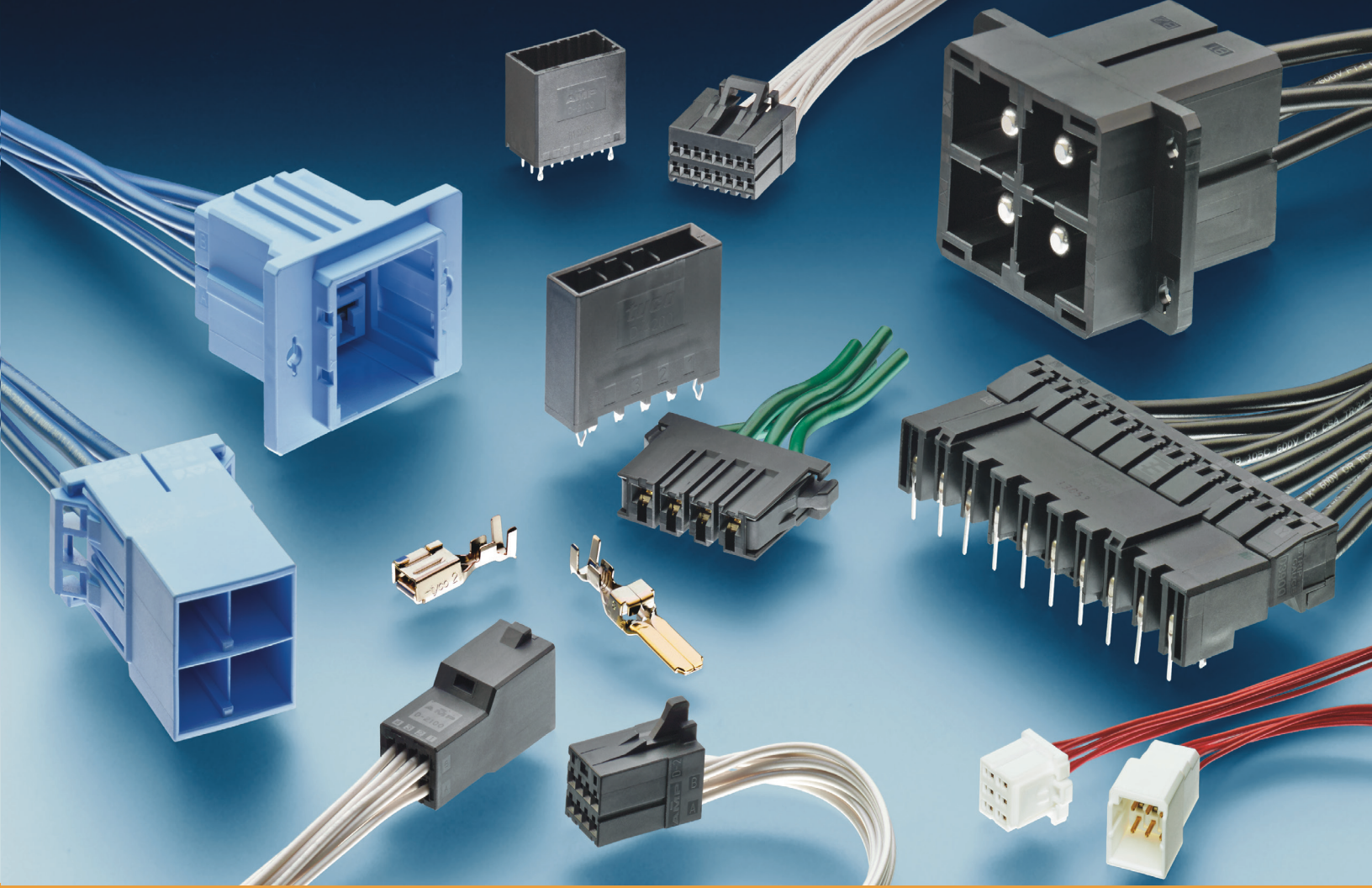
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Dynamic Series Connectors

RoHS
Ready 



EVERY CONNECTION COUNTS

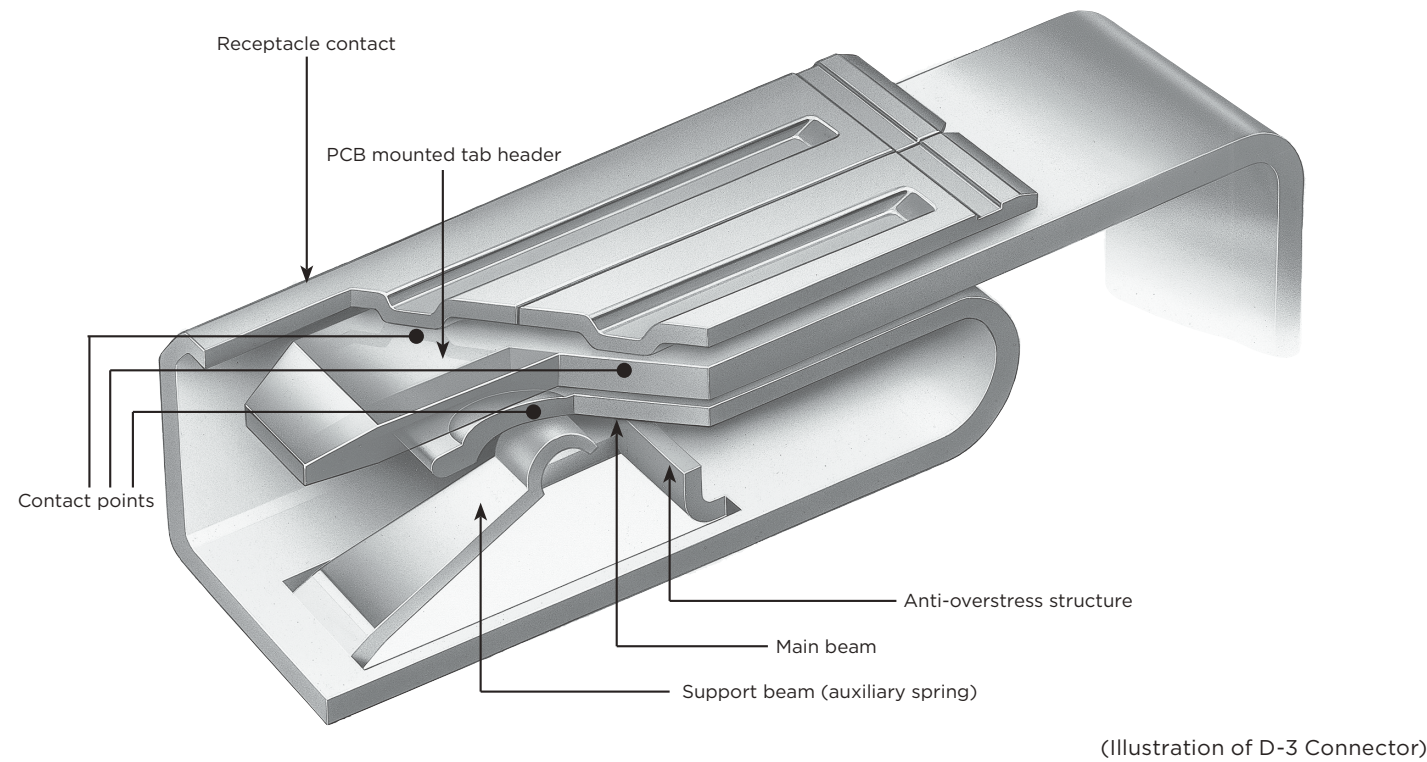
Dynamic Series List

Name of Series				Electrical Performance				Pitch (mm)	Wire Range (AWG)			
Series	Family images	Spec. Name	Description	Maximum Current Rating (A)	Maximum Voltage Rating (V AC/DC)	Withstanding Voltage (V AC/1 minute)	Durability (Cycles)					
								1000 (P10 - 24)		1100S	Standard	3
1100D	Standard											
1200S	High Voltage											
1200D	High Voltage	5	250	1100	30 - 18							
1500T	Module Type											
1900	Spring Clamp Type	4	150	1100	24 - 20							
2000 (P.25 - 33, P.89, P.92)		2100S	Standard Type	5	250	1500	500 (Gold 0.38u)	2.5	28 - 18			
		2100D	Standard Type									
		2100M	Multiposition Drawer	2.6				24				
		2600D	Hybrid Power/Signal	D-2 (3.2) D-3 (7.5)					D-2 (28 - 18) D-3 (28 - 14)			
		2800	HTS Modular/Multi-frame	5				3.0	28 - 18			
3000 (P.34 - 61, P.90, P.92)		3100S	Standard Type	15	250	1500	500 (Gold 0.38u, 0.76u) 1000 (Tin)	3.81	28 - 14			
		3100D	Standard Type					3.81				
		3100M	Modular Type		3.81							
		3200S	High Voltage Type		600	2200		5.08				
		3200M	High Voltage Type					5.08				
		3200T	High Voltage Type		5.08							
		3400F	Skyscraper		250	1500		3.81				
		3500D	Modular Type		600	2200		5.08				
		3700	For Motors		250	1500		3.81				
		3800	HTS Module		600	2200		5.2				
		3900	Spring Clamp		14.5	300		1500		500	7.5	22 - 14
		*3950	Spring Clamp		14.5	300		1500		500	7.5	22 - 14
		4000 (P.62 - 68, P.90, P.92)			4200S	Standard Type		24		600	2500	25 (Gold 0.38u)
4200M	Modular Type			24	600	2500	6.35					
4800	HTS Modular/Multi-frame			24	600	2500	6.35					
5000 (P.69 - 84, P.90, P.92)		5200S	Standard	30	630	3000	50 (Gold 0.76u) 25 (Gold 0.38u) 25 (Silver) 50 (Gold 0.76u) 25 (Gold 0.38u)	10.16	16 - 8			
		5200S	Cable Clamp									
		5200D	Cable Clamp									
		5200M	High Voltage	45				20 - 8				
		5200Ma	High Current									
		5300S	Reversed Housing	30				16 - 8				
		5300D	Reversed Housing									
		5800	HTS Module	42				600	3000	25 (Gold)	13.10	16 - 8
		5900	Spring Clamp									
DZ-5200	Board to Board	20	250		2200	5.08	-					
DZ-5200	Board to Board	30	600	4000	15 (Gold)	10.16						
7000 (P.94 - 99)		7100	Standard Type	65	630	3000	20 (Silver)	16.0	16 - 6			
		7300	Reverse Type									
Special Products		Dynamic Pneumatic Connector		Refer the Product Specification 108-78406				8.5	Ø4.6 (Tube)			
		Multiple Enclosure Connector		Refer the catalog								

Dynamic Series List

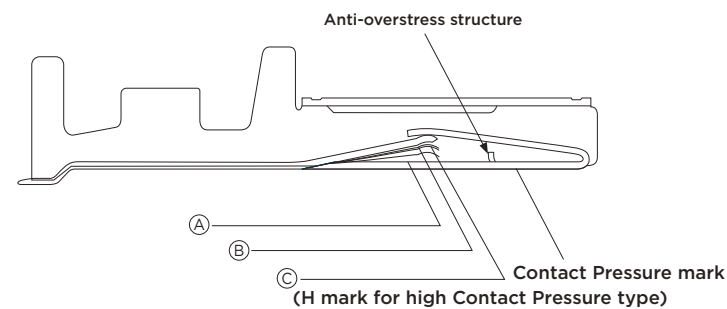
Number of Position (Pos)	Number of Row (row)	Housing Types										Safety Standards UL CSA TUV	Product Specification	Application Specification		
		Wire to Wire		Wire to Board				DIN Rail	Tap	Junction Box	Drawer				Board to Board	
		Free Hanging	Panel Mount	DIP		SMT										
4,8,10	1	-	-	-	o	-	o	-	-	-	-	-	-	o	108-78268 (Gold Plating) 108-78298 (Tin Plating)	114-5377
10,18,20,22,24,26,28,30,32,34,50,44	2	o	o	o	o	o	o	-	-	-	-	-	-	o		
2	1	o	-	o	-	-	-	-	-	-	-	-	-	o		
4,6,8,10,12,16,20	2	o	o	o	o	o	-	-	-	-	-	-	-	o		
3,6,9,12,34,36	3	o	o	o	o	-	-	o	-	o	-	-	-	o		
8,12,16,22,30,38	2	-	o	o	-	-	-	-	-	-	-	-	-	o		
3	1	o	o	g	o	-	-	-	-	-	-	-	-	o	108-5619 (S/D) 108-5659 (M)	114-5897
6,8,12,16,20	2	o	o	o	o	-	-	-	-	-	-	-	-	o		
50	2	o	o	-	o	-	-	-	-	-	o	-	x			
D-2 (36) D-3 (12)	D-2 (2) D-3 (1)	-	-	o	-	-	-	-	-	-	-	-	-	x	108-78301	
30	6	o	o	-	-	-	-	-	-	-	-	-	-	x	108-78284	114-5258
3,4,5,6,8,10,6x3(Tap)	1,3(Tap)	o	o	o	o	o	o	-	o	-	-	-	-	o	108-5349	114-5148
6,8,10,12,16,20	2	o	o	o	o	-	-	-	-	-	-	-	o	o		
6	1x2	-	-	o	o	-	-	-	-	-	-	-	-	o		
2,3,4,5,6,4x6(Tap)	1,6(Tap)	o	o	o	o	o	o	-	o	-	-	-	-	o		
6,10,12,20	2	o	o	o	o	-	-	-	-	-	-	-	o	o		
9	3	-	-	-	o	-	-	-	-	-	-	-	-	o		
12,20	4	-	-	-	o	-	-	-	-	-	-	-	-	o		
2,4,6,10,12,20	2	o	o	o	o	-	-	-	-	-	-	-	-	o		
6	1	-	o	-	-	-	-	-	-	-	-	-	-	o		
12	4	o	o	-	-	-	-	-	-	-	-	-	-	o		
3,7,10	1	-	-	-	o	-	-	-	-	-	-	-	-	o		
3,6,11	1	-	-	-	o	-	-	-	-	-	-	-	-	o		
2,3,4	1	o	o	o	o	-	-	-	-	-	-	-	-	o		
6	1x2	o	o	-	-	-	-	-	-	-	-	-	-	o		
8	2	o	o	-	-	-	-	-	-	-	-	-	-	o		
2,3,4,6	1	o	o	o	o	-	-	-	-	-	-	-	-	o	108-5453	114-5206
3		-	-	-	o	-	-	-	-	-	-	-	-	o		
4	2	o	-	-	-	-	-	-	-	-	-	-	-	o		
4,6,8,4x5(Tap)	1,2	o	o	-	o	-	-	o	o	-	-	-	-	o		
2,4	2	-	-	-	o	-	-	-	-	-	-	-	-	o		
3	1	-	o	-	-	-	-	-	-	-	-	-	-	o		
4	2	-	o	-	-	-	-	-	-	-	-	-	-	o		
4	2	o	o	-	-	-	-	-	-	-	-	-	-	o	108-5453	-
4,6	1	-	-	-	o	-	-	-	-	-	-	-	-	o	108-140022	
5,7	1	-	-	-	-	-	-	-	-	-	-	-	o	x	108-78470	114-5452
3,4		-	-	-	-	-	-	-	-	-	-	-	o	x		
4	2	o	o	-	o	-	-	-	-	-	-	-	-	x	108-78470	114-5452
		o	o	-	-	-	-	-	-	-	-	-	-	x		
2,8	1,2	o	o	-	-	-	-	-	-	-	-	-	-	-	108-78406	-
15,24,32	4,8	-	o	-	-	-	-	-	-	-	-	-	-	-	108-78417	114-5377

Contact Features (Example of the D-3000 Series)



Contact Pressure Adjustment Method

- Gold-plated and tin-plated contacts are available. Adjustable gaps for the auxiliary spring (at positions of A-C) to get the optimum contact pressure. For gold-plated product, both high Contact Pressure and standard contact pressure are available in accordance with the intended use
- Anti-overstress structure prevents damage to the main beam which might be caused by insertion of foreign objects or twisting (Receptacle contact type of D-2 S, M/D-3 S, M, L, 2L, 3L/D-5 S, M)

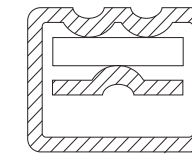


Plating	Type	Contact Pressure	Position	Contact Pressure mark	Applicable unit	Specifications	Application	Mating Cycles
Gold-plated	Standard Contact Pressure	Around 1.47N	A	—	1-100	Standard	Used for signal/current Multipolar direction and High mating cycles circuits	500
	High Contact Pressure	Around 2.45N	B	H	1-20	Vibration/High current	Used for signal/Power supply/Motor, Applications for high-vibration ion	500
Tin-plated	High Contact Pressure	Around 3.92N	C	H	1-10	High Current	Used for Signal/Power supply Circuits low mating cycles	100

Contact Features (Example of D-3000 Series)

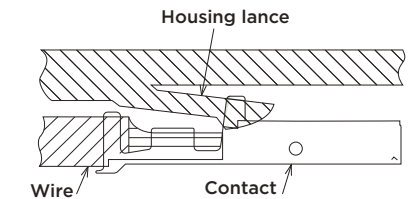
Tab/Receptacle Contact

Male side is tab, while female side is receptacle contact so as to avoid twisting. (Refer to Figure on the left) Highly reliable 3-point contacts are used.



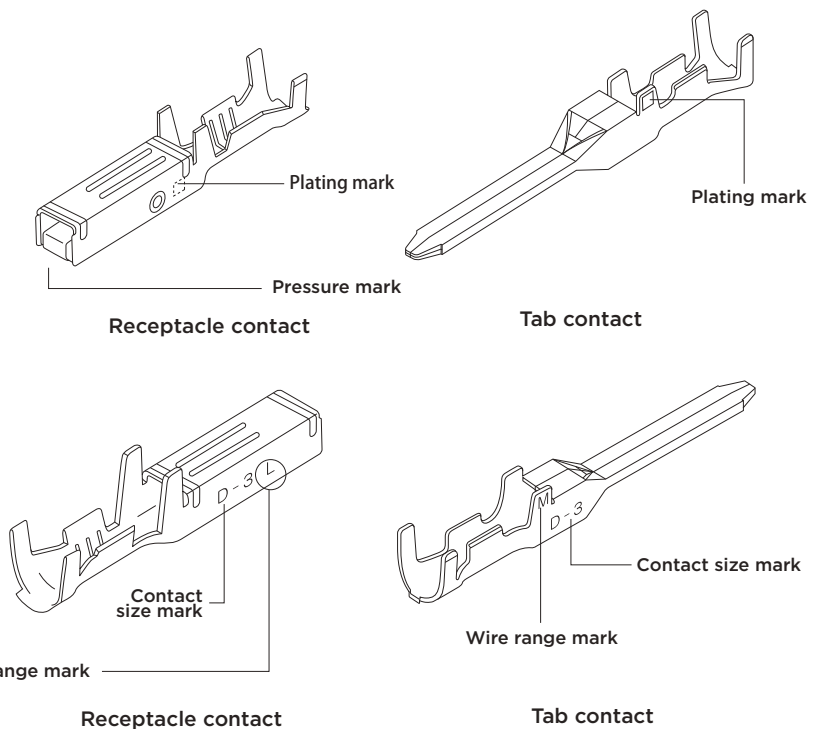
Housing Lance

The housing lance is used to secure the contact in place. The lance ensures the contact stays secure in the housing and helps prevent damage during contact mating. In addition to these protective features the housing lance produces an audible "click" ensuring the contact is securely locked in the housing. The contact can still be easily removed securely with specialized tooling.



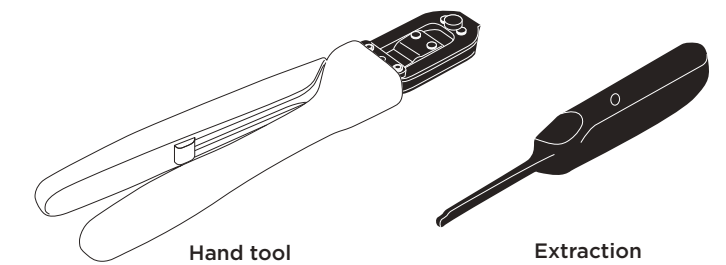
Confirmation Marks

- Contact Pressure marks....."H" mark on the bottom of the contact for high contact-pressure product (Standard Contact pressure for those without the marks) (Only for D-3 connector)
- Plating marks.....To show clearly types and thickness of the plating, following numbers will be marked on the side of the contact. This number is consistent with the additional number of contact's part model number.
 - 2.....Gold plating 0.38Qm Thickness
 - 3.....Gold plating 0.76Qm Thickness
 - 5.....Tin plating
- Shared marks on the contact and the tool to avoid misuse of hand tools and extraction tools, wire range marks (SS, S, M, L) will be used from different the contact size marks (D-1/D-2/D-3/D-4/D-5)

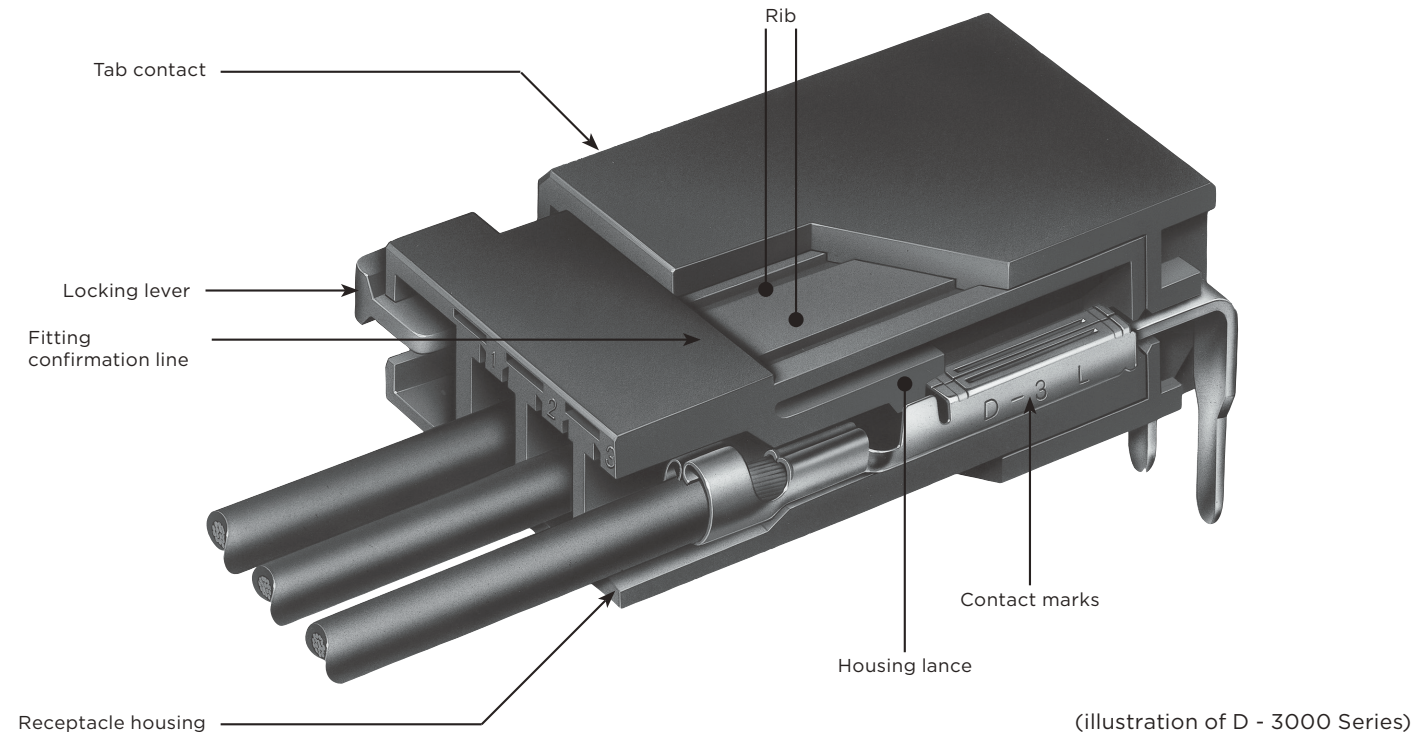


Wire range marks

D-1	S	AWG#30-28	D-4	M	AWG#16-14
	M	AWG#28-22		L	AWG#14-12
	L	AWG#28-22	D-5/D5α	SS	AWG#20-16
	2L	WG#22-18		S	AWG#16-14
D-2	S	AWG#28-24		M	AWG#12-10
	M	AWG#22-18		L	AWG#8
D-3	S	AWG#28-24			
	M	AWG#24-20			
	L	AWG#20-16			
	2L	AWG#16-14			
	2L	AWG#16-14			



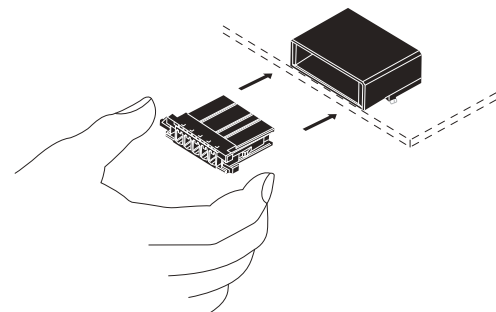
Housing Features (Example of D-3000 Series)



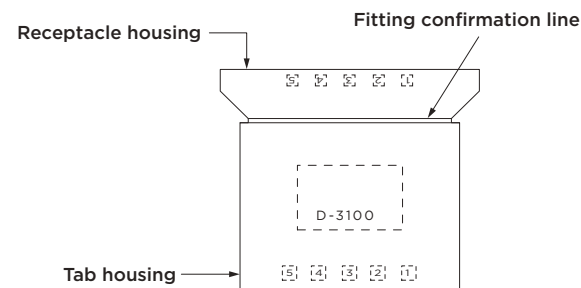
(illustration of D - 3000 Series)

Easy to insert and extract the connector

- When you insert or extract the connector, a clear "lock" sound will be heard. A fitting confirmation line is provided to confirm the operation both with your ears and eyes
- Pinch 2 locks on both sides of the housing to easily extract the connector (D -3100/D-3200/D-4000/D-5200 Series)
- For safety consideration, well rounded corners will be used

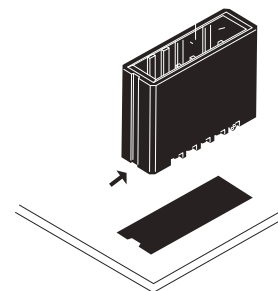


to prevent hand injuries when inserting or extracting the connector



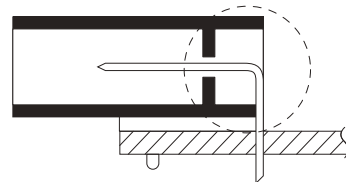
Vertical-type header

To avoid mis-installation or mis-alignment of the boards, keep in mind the direction (Concave) of Vertical-type header (only available for D-3000 Series)



Housing to protect tine part

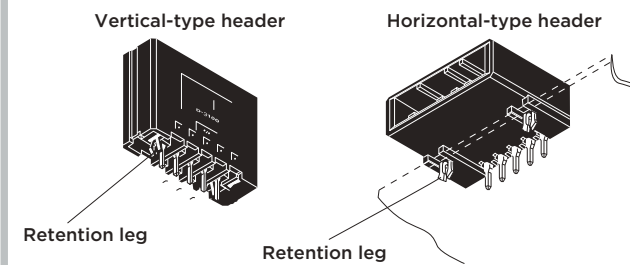
For protecting the solder tine, horizontal-type header will be fully applied to cover type.



Features of the housing (Example of D-3000 Series)

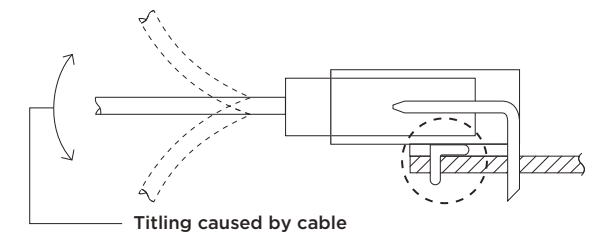
Retention legs for board mounting

For robotic automatic implementation, the retention legs will be provided for both the vertical-type and the horizontal-type header. Especially for the horizontal-type header, it is possible to mount to the bottom of the housing and it will not take up as wide a space as the conventional system.



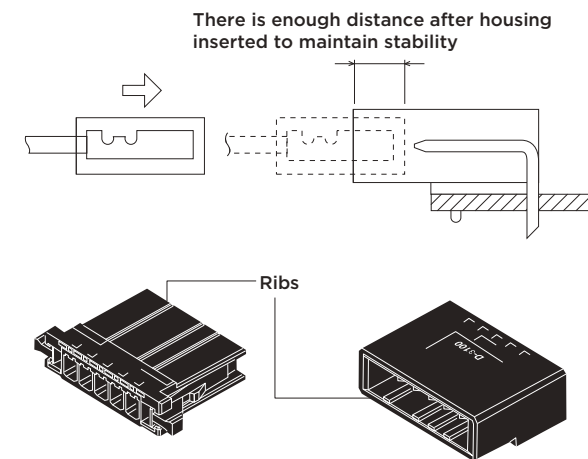
Note: Retention legs are used for board with 1.6mm thickness. If used for board with 2.4mm thickness, strength will be reduced.

Retention legs are close to the insertion part of the receptacle housing so as to resist tilting caused by the cable (Patent number 2,508,076).



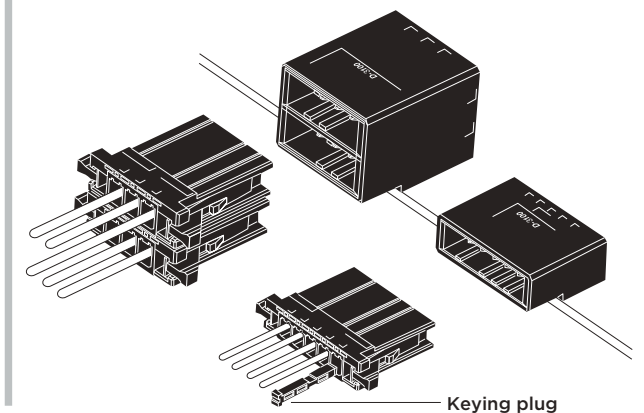
Twisting Prevention Structure

The ribs are used in both the receptacle housing and tab housing. This safety design can be used to avoid any backlashes between housings after the receptacle housing has been completely inserted into tab housing.



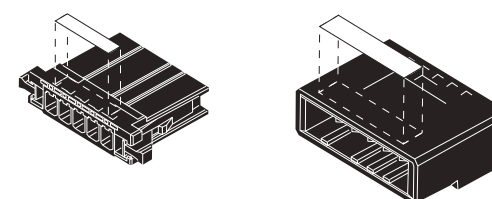
Misinsertion Preventing Mechanism

Part of the products (D-1200D/D-2100/D-2100D/D-3100/D-3100M/D-3200/D-3200M/D-3200T/D-4000/D-5200/D-5200M) is provided with keying to prevent incorrect insertion. By using this plug, it also makes it easier to prevent incorrect insertion of other items. (Refer to P.104, only available for D-3000 Series)



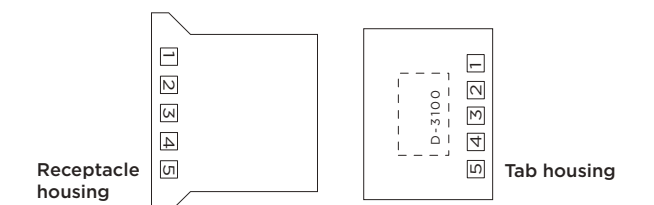
Label Mark

A flat side portion is provided in the housing for custom labels.



Easy-to-read circuit number

To facilitate cable assembly, tab and receptacle housings will be marked with circuit numbers.



Dynamic Series Connectors

Guideline for selecting plating (These guidelines apply to the D-3000 series only. Please note that they may not be suitable for other products.)

Whether to use gold or tin plating varies depending on the voltage, current, environment (vibration, temperature, gas, etc.), number of contact positions, and other variables. Gold plating is recommended for general

industrial machinery, but in reality cost considerations are also a factor. To help in this selection, these guidelines have been put together for the Dynamic Series as a reference in the selection process.

1) Selection based on voltage and current

	Gold-plated	Undetermined zone	Tin-plated	No plating (reference)
Voltage	Below 3 V	3 to 30 V	30 to 100 V	Over 100 V
Current	Below 1 A	1 to 10 A	Over 10 A	Over 0.1 A

(Table - 1)

Table 1 shows us that gold should always be used for applications under 3 volts and 1 ampere. When the voltage is over 30 and amperage is over 1, tin plating can be used. The most difficult area to make a selection is in the undetermined zone. In this zone either gold or tin plating can be used, but

the environment causes extensive variation. In a clean environment tin plating is acceptable. However, use gold plating if the environment is bad, such as in high heat or humidity, the presence of gas is possible, vibration is extreme, mating and demating are excessive, or other factors.

2) Selection based on number of contact positions (selection based on contact pressure)

Selecting based on the number of contact positions is often forgotten. The higher the contact pressure the more possible it is to use tin plating or no plating, regardless of the voltage or current mentioned in section 1. However, if they are too high, mating and demating become impossible so the connector function is lost. To get around this, we can drive the voltage and current down into a workable zone, but then we run into the problem of oxidation. Then, to prevent oxidation, we use tin (approximately 2.94 N optimum contact pressure) or gold (approximately 1.18 N) plating. But, the contact pressure increases proportionally as we increase the number of contact positions, causing mating and demating to become difficult. Generally speaking, given a 39.2 N limit for mating/demating by hand, it becomes difficult without

using leverage, such as a lever or jack screw. The Dynamic D-3000 series has a maximum of 20 contact positions. That means the contact pressure with tin plating is 3.92 N, and with gold plating is 2.45 N and 1.47 N (high pressure types and standard types are available for some applications). For instance, given 3.92 N for tin plating, we can calculate insertion and extraction forces of 58.8 N and 49.0 N, which is difficult because it exceeds the range for barehanded work. Once we understand this, we see that as contact positions increase we must use gold plating regardless of the voltage and current conditions mentioned in section 1. Table 2 shows the applicable maximum number of contact positions as a reference.

Contact pressure	Applicable maximum number of contact positions
(1) Gold plating Standard contact pressure: 1.47N	20
(2) Gold plating High contact pressure: 2.45N	20
(3) Tin plating High contact pressure: 3.92N	12

(Table - 2) Note: Insertion force and extraction force are not the same as contact pressure.

3) Environment (vibration, humidity, gas, etc.)

Although the environment was discussed in section 1 about voltage and current, it is summarized again here. Use gold plating in a bad environment, particularly for high vibration or heat, the presence of gas or other bad conditions. Gold is a noble metal. This means that gold does not react easily with other materials, which means that its surface does not oxidize or tarnish when exposed to air. Of all metals, only gold has this property. Other metals, noble metals except

gold, such as platinum or rhodium for example, do not produce absolutely no oxide film. This is a very important property for contacts. In consideration of this, there is no better material than gold plating if the environment is bad. Also, if vibration is an issue, there is the risk of fretting corrosion (micro-abrasion). Always use gold plating. If possible, high-contact pressure connectors are recommended.

Dynamic Series Connectors

Guideline for selecting plating (These guidelines apply to the D-3000 series only. Please note that they may not be suitable for other products.)

4) Other considerations

■ Contact between dissimilar metals

Combining tin and gold tends to create a lot of ionization, producing electrolytes from condensation so corrosion is likely to occur. This combination is not recommended because it could produce worse results than a combination of just tin.

■ Being consistent within an application

We recommend that, as much as possible, the same type of plating be used within an application. This is to prevent connections being made between dissimilar metals, gold and tin as mentioned above, during assembly and maintenance. And for the same reason, we recommend using the same plating in factories or workplaces where assembly or harness production is done.

The above information has been summarized in "Plating selection at a glance" for your convenience.

- ★★★★ Best
- ★★★ Good
- ★★ Usable
- Not usable

Plating selection at a glance

Voltage/current	Application	Tin-plated	Gold-plated			
			0.38μ		0.76μ	
			Standard pressure	High pressure	Standard pressure	High pressure
Below 3 V Below 1 A	Standard specifications	—	★★	★★	★★★★	★★★★
	Vibration	—	★	★★	★	★★★★
	Bad environment	—	★	★	★★	★★★★
	Extensive mating/unmating	—	★★	★	★★★★	★★
3 to 30 V 1 to 10 A	Many contact positions	—	★★★★	★★	★★★★	★★
	Standard specifications	—	★★	★★	★★★★	★★★★
	Vibration	—	★	★★	★	★★★★
	Bad environment	—	★★	★★	★★★★	★★★★
Over 30 V Over 1 A	Extensive mating/unmating	—	★★	★	★★★★	★★
	Many contact positions	—	★★★★	★★	★★★★	★★
	Standard specifications	★★	★★★★	★★★★	★★★★	★★★★
	Vibration	—	★★	★★★★	★★	★★★★
Over 30 V Over 1 A	Bad environment	—	★★	★★	★★★★	★★★★
	Extensive mating/unmating	—	★★★★	★★	★★★★	★★
	Many contact positions	—	★★★★	★★	★★★★	★★
	Standard specifications	—	★★	★★	★★★★	★★★★

The above table is basically for industrial machinery, and was made with a wide margin. This table is not applicable for every situation as there are many combinations depending on the application. It is intended to be used as a guideline only.

D-1000 Series

Series Introduction

D-1000 Series are the smallest connectors for signal lines among all the Dynamic connector series. The Dynamic 1000 Series consists of 3 different pitch sizes: 2.0mm standard type, 2.5mm high-voltage type and 3.5mm type.

D-1000 Series has gold plated contacts to maintain its high reliability and also tin plated contacts for economical market needs. Customers can choose their own contacts according to specifications, applications and cost.



Product features

- Wide Applicable Wire Range**
D-1000 series has wide applicable wire range of 30 AWG through 18 AWG with 2.2 mm of outside diameter maximum (D-1200/D-1500). Therefore there are no special safety considerations using it in electrical cabinets.
- Hand Tools are available for all wire sizes.**
It can save on delivery lead time and involve minimal installation tooling costs.
- Housing and Contact Features**
A) Housing products
The 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, the D-1500 series and D-1900 series have a pitch of 3.5mm

B) Contact Products

D-1000 series provide gold plating contact as standard products and also tin plating contact for economical market needs. You can choose the contact according to your own specifications, application, and quality level and cost, so that you can utilize D-1000 series in many places

4. Other Features (Basic Dynamic series features)

- Header connector and tab connector have enough length from the tip of contact to top of its housing. To prevent contact from bending during mating
- D-1000 series are provided with housing lance structure
- Clear identification of circuit number helps with correct wiring
- Metal retention leg on header prevents unwanted movement from cable tension
- Housing lock design offers no wire scratching

Note: All Part Numbers are RoHS compliant.
You need to confirm LOT size and lead time.

D-1000 Series Main Performance and Specifications

Main Performance

Item	Series	D-1100	D-1200	D-1500	D-1900
Pitch		2.0mm	2.5mm	3.5mm	3.5mm
Voltage rating		125V AC/DC	250V AC/DC	250V AC/DC	150V AC/DC
Current rating (Max)		1 pos: 3A in use of AWG22	1 pos: 5A (In use of AWG18)	1 pos: 5A (In use of AWG18)	1 pos: 4A In use of AWG18
Contact Resistance		20mΩ Max.			40mΩ Max
Dielectric Withstanding		1,000V AC	1,500V AC	1,500V AC	1,100V AC
Temperature		-55 - 105			-30 - 105

No. of Pos/Wire size/Current

D-1100-1500

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

D-1900 Series

No. of Pos.	Wire Size AWG			
	18	20	22	24
8-12	3	2	1.5	1
13-38	2	1.5	1	0.5

Specifications • Instructions sheet

Product Specifications	108-78268 (goldplated)
	108-78298 (tin-plated)
	108-78336 D-1900
Applications Specifications	114-5377 D-1100 D-1200 D-1500
	114-539 D-1900
Crimping tool instruction sheet	Part number: 1762952-1 411-78205
	Part number: 1762846-1 411-78201
	Part number: 1762950-1 411-78204
	Part number: 1762625-1 411-78194
Extraction tool part number: 1891526-1 411-78241	
D-1900 Extraction tool part number: 1891348-1 411-78263	

Material and Finish

Description	Material	Finish
Receptacle Contact Tab Contact	Copper alloy	Bright tin plating and gold plating (0.38 μm) with under-plated nickel (1.27 μm)
PCB Tab Post	Copper alloy	Gold plated 0.38 μm over nickel plated 1.27 μm Tab Post Tin plated 2.0 μm
Housing	UL94V-0, Thermoplastic PBT containing glasses	

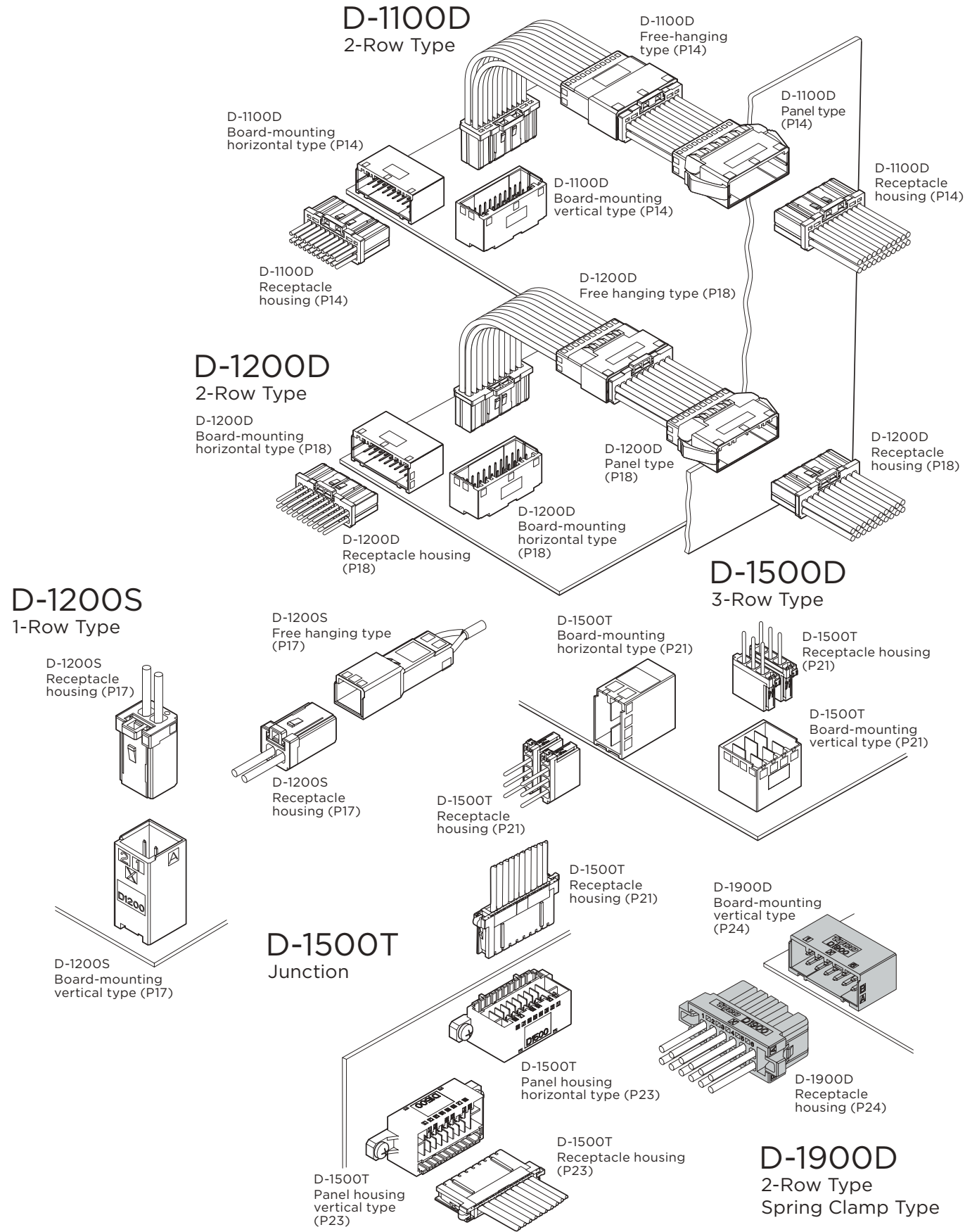
Specifications Remember to obtain Instruction Sheets when you choose to use these tools. You can get electronic catalogue pages or instruction sheets on the Internet.

The safety specifications listed below are approved on specific part numbers. Please contact our Technical Support Centre to check whether the part numbers you use are approved or not. Keep in mind that there are instances where values differ from those given by Tyco Electronics Specifications.

Series	D-1100			D-1200 D-1500			D-1900																																								
	Voltage Rating	Current Rating	Temperature Rating	Voltage Rating	Current Rating	Temperature Rating	Voltage Rating	Current Rating	Temperature Rating																																						
Specifications 108-78268	125V AC/DC	3A (1 pos)	55 - 105	250V AC/DC	5A (1 pos)	55 - 105	150V AC/DC	4A	30 - 105																																						
UL File No.E28476	Based on requirements of machines used	Based on requirements of machines used	—	Based on requirements of machines used	Based on requirements of machines used	—	Based on requirements of machines used	Based on requirements of machines used	—																																						
CSA Report No.LR7189	125V AC/DC	3A	—	250V AC/DC	5A	—	150V AC/DC	4A (1 pos)	—																																						
TÜV	125V AC/DC	<table border="1"> <tr><th>AWG</th><th>A(1pos)</th></tr> <tr><td>22</td><td>3</td></tr> <tr><td>24</td><td>2.5</td></tr> <tr><td>26</td><td>2</td></tr> <tr><td>28</td><td>1.5</td></tr> <tr><td>30</td><td>1</td></tr> </table>	AWG	A(1pos)	22	3	24	2.5	26	2	28	1.5	30	1	55 - 105	250V AC/DC	<table border="1"> <tr><th>AWG</th><th>A(1pos)</th></tr> <tr><td>18</td><td>5</td></tr> <tr><td>20</td><td>4</td></tr> <tr><td>22</td><td>3</td></tr> <tr><td>24</td><td>2.5</td></tr> <tr><td>26</td><td>2</td></tr> <tr><td>28</td><td>1.5</td></tr> <tr><td>30</td><td>1</td></tr> </table>	AWG	A(1pos)	18	5	20	4	22	3	24	2.5	26	2	28	1.5	30	1	55 - 105	150V AC/DC	<table border="1"> <tr><th>AWG</th><th>A(1pos)</th></tr> <tr><td>18</td><td>4</td></tr> <tr><td>20</td><td>3</td></tr> <tr><td>22</td><td>2.5</td></tr> <tr><td>24</td><td>2</td></tr> </table>	AWG	A(1pos)	18	4	20	3	22	2.5	24	2	30 - 105
AWG	A(1pos)																																														
22	3																																														
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AWG	A(1pos)																																														
18	4																																														
20	3																																														
22	2.5																																														
24	2																																														

Some part numbers are not available yet. Please contact our Sales Department for more information.

D-1000 Series Configurations



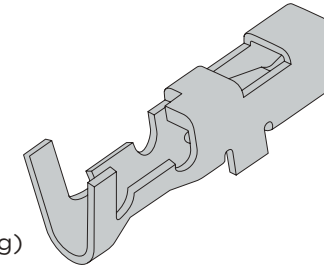
D-1000 Series

D-1000 Series

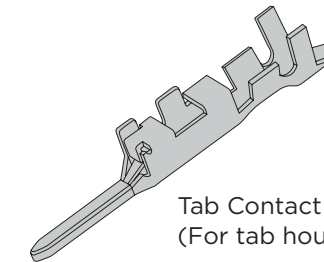
D-1000 Contact

•Crimp Types

Receptacle Contact
(For receptacle housing)



Tab Contact
(For tab housing)



Wire Range		Insulation Range mm	Diameter Wire Range Mark	Models of Contacts				Models of Applicable tools		
AWG	mm ²			Receptacle Contact		Tab Contact		CCII Hand tool (PEW12 dies only) Mini Applicator	Tool numbers	
		Strip form	Loose piece	Strip form	Loose piece					
30	0.05	0.6-1.2	S	Gold plating	1827569-2	1827586-2	1903111-2	1903115-2	2119144-1 1762952-1 1762453-1	2114042-2
28	0.10			Tin plating	-	-	-	-		
28	0.08	1.08-1.6	M	Gold plating	1827570-2	1827587-2	1903112-2	1903116-2	2119141-1 1762846-1 1762847-1	2151082-1
26	0.12			Tin plating	1871303-1	1871743-1	1903120-1	1903124-1		
24	0.20									
22	0.37									
28	0.08	1.08-1.9	L	Gold plating	1827571-2	1827588-2	1903113-2	1903117-2	2119143-1 1762950-1 1762951-1	2114043-2
26	0.12			Tin plating	1871304-1	1871744-1	1903121-1	1903125-1		
24	0.20									
22	0.37									
22	0.34-0.37	1.4-2.2	2L	Gold plating	1827572-2	1827589-2	1903114-2	1903118-2	2119142-1 1762625-1 1762626-1	2151083-1
20	0.51-0.53			Tin plating	1871731-1	1871745-1	1903122-1	1903126-1		
18	0.85-0.87									

Remarks: When ordering, specify your requirements by multiplying the quality. Contact our Sales Department for more information.
Gold Plating: 0.38Qm
Tin Plating: 2.0Qm
For mini-applicators information, contact our Sales Department.

Keying plug: 1939588-1

Strip Form contacts are used with Mini-applicators (bench machine) and Loose-Piece contacts are for hand tools. The contacts L and 2L do not fit into the D-1100 receptacle housing and tab housing. With CCII hand tools (CERTI/CRIMP/II)

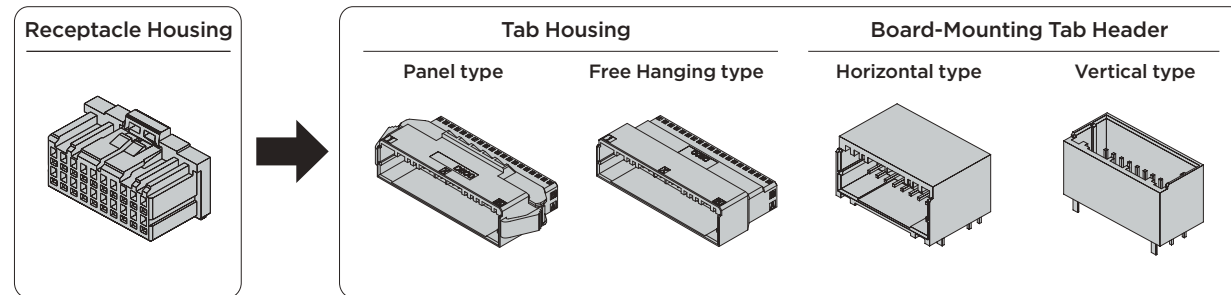
Flip Locator PEW12 dies interchangeable hand tools.
* Only the dies hand tools are available, part number 9-147824D-0

Receptacle contacts are only available for receptacle housings, while the tab contacts are only available for tab housings. Refer to pages after P.107 for details of applicable tools.

Note: All Part Numbers are RoHS compliant. You need to confirm LOT and lead time.

D-1100D 2-Row Standard Types

Part Number Chart



No. of Pos.	Color	Key	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
	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	-	-	-	Pg 16 SMT Mate	
28	Black	X	1-1827863-4	Gold	1-1903128-4	1-1903127-4	1-1939638-4	1-1827872-4
30	Black	X	1-1827863-5	Gold	-	-	-	1-1827872-5
				Tin	-	-	-	1-1871056-5
32	Black	X	1-1827863-6	Gold	1-1903128-6	1-1903127-6	-	1-1827872-6
				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	1-1939638-0	1-1827872-0
				Tin			-	1-1871315-0
	Natural	X	1-1871057-0	Tin	-	-	-	1-1871056-0
	Yellow		3-1871057-0	Tin	-	-	-	3-1871056-0
Red	5-1871057-0	Tin	-	-	-	-	5-1871056-0	

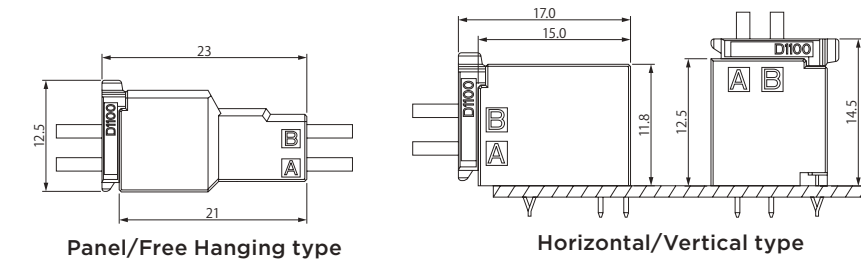
Related product information

Application Contact ...P.13
Performance • Specifications ...P.11

Note: All Part Numbers are RoHS compliant.
You need to confirm LOT and lead time.

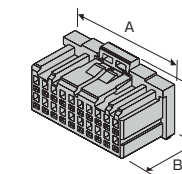
D-1100D 2-Row Standard Types

Fitting Dimensions



External Dimensions

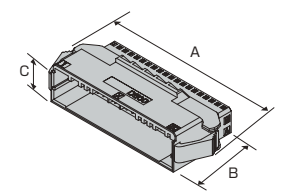
• Receptacle Housing



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	-			
			Yellow	3-1871057-1			
26	X	-	Black	1-1827863-3	28.6	11.3	12.5
			Natural	1-1871057-3			
			Black	2-1827863-3			
28	X	-	Black	1-1827863-4	30.6	11.3	12.5
			Red	-			
30	X	-	Black	1-1827863-5	32.6	11.3	12.5
			Natural	-			
			Yellow	-			
32	X	-	Black	1-1827863-6	34.6	11.3	12.5
			Natural	-			
			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
			Natural	1-1871057-0			
			Yellow	3-1871057-0			
			Red	5-1871057-0			

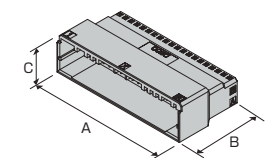
• Tab Housing

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

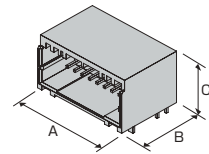


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
22	X	-	Black	1-1903127-1	24.6	21.0	11.3
26	X	-	Black	1-1903127-3	28.6	21.0	11.3
28	X	-	Black	1-1903127-4	30.6	21.0	11.3
32	X	-	Black	1-1903127-6	34.6	21.0	11.3
34	X	-	Black	1-1903127-7	36.6	21.0	11.3
40	X	-	Black	1-1903127-0	42.6	21.0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

Note: All Part Numbers are RoHS compliant.
You need to confirm LOT and lead time.

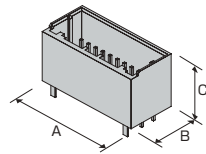
D-1100D 2-Row Standard Types

- 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	-	32.6	15.0	11.8
34	X	Gold	Black	1-1939638-7	36.6	15.0	11.8
40	X	Gold	Black	1-1939638-0	42.6	15.0	11.8

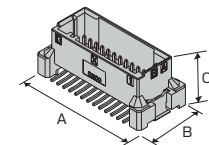
- Vertical type



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	-			
30	X	Gold	Black	1-1827872-5	32.6	11.3	12.5
		Tin	Black	-			
		Tin	Natural	1-1871056-5			
		Tin	Yellow	-			
32	X	Gold	Black	1-1827872-6	34.6	11.3	12.5
		Tin	Natural	-			
		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			
	X	Tin	Natural	1-1871056-0			
		Tin	Yellow	3-1871056-0			
		Tin	Red	5-1871056-0			

SMT Type

- Board-Mounting Tab Header
Vertical type

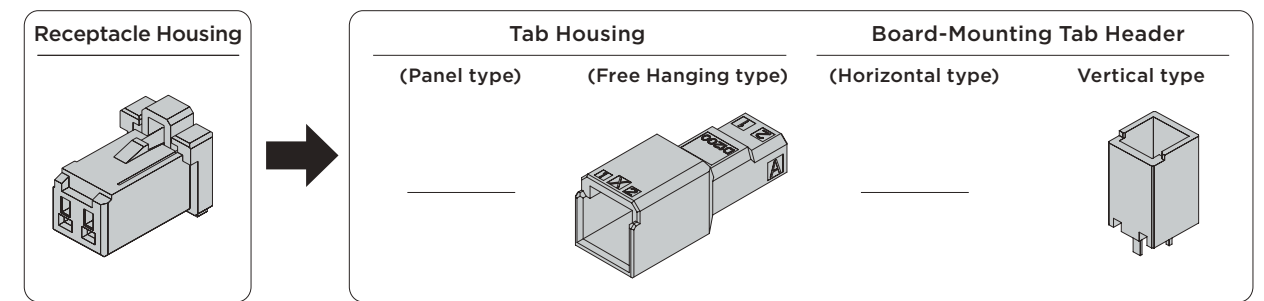


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
26	X	Gold	Black	1-1939995-3	34.6	16.3	13.5
	Y	Gold	Black	2-1939995-3			
40	X	Gold	Black	1-1939995-0	48.6	16.3	13.5
	Y	Gold	Black	2-1939995-0			

Note: All Part Numbers are RoHS compliant.
You need to confirm LOT and lead time.

D-1200 Single Row/High Voltage Types

Part Number Chart

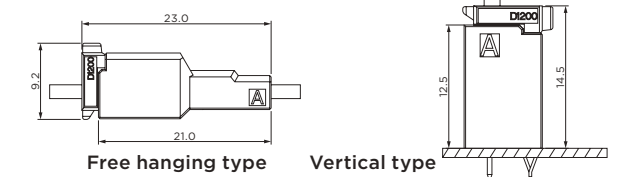


No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		Board-Mounting Tab Header	
					Panel type	Free Hanging type	Horizontal type	Vertical type
2	Black	X	1-1871465-2	Gold	-	1-1903129-2	-	1-1871468-2
	-	Y	-	-	-	-	-	-

Related product information

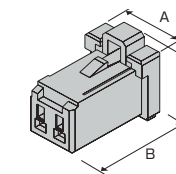
Application Contact ...P.13
Performance • Specifications ...P.11

Fitting Dimensions



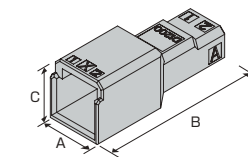
External Dimensions

- 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

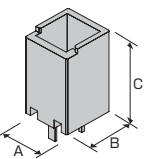
- Tab Housing
Free Hanging type



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

Note: All Part Numbers are RoHS compliant.

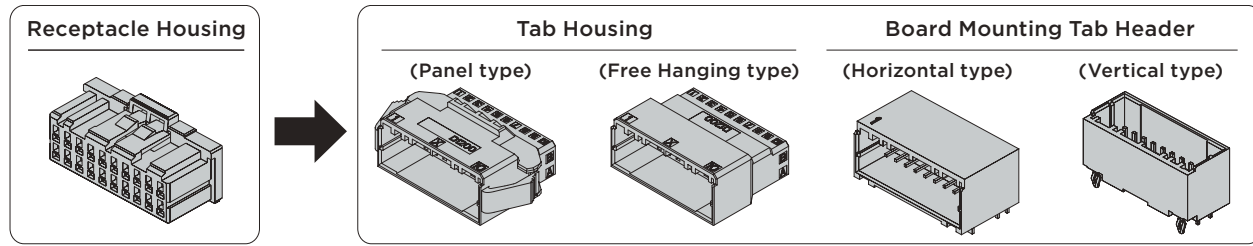
- Board-Mounting Tab Header
Vertical type



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

D-1200 Single Row/High Voltage Types

Part Number Chart



No of Pos.	Color	Keying	Part Number	Plating	Tab Housing		Board-Mounting Tab Header	
					Panel type	Free Hanging type	Horizontal type	Vertical type
4	Black	X	1-1827864-2	Gold Tin	1-1903131-2	1-1903130-2	1-1827876-2	1-1827875-2
	Natural		1-1939028-2	Gold	-	-	1-1871673-2	-
	Yellow		-	-	-	-	1-1939818-2	1-1939261-2
	Black	Y	2-1827864-2	Gold	-	-	2-1827876-2	2-1827875-2
	Natural		2-1939028-2	Gold	-	-	2-1939818-2	2-1939261-2
	Yellow		4-1939028-2	Gold	-	-	4-1939818-2	4-1939261-2
6	Black	X	1-1827864-3	Gold	1-1903131-3	1-1903130-3	1-1827876-3	1-1827875-3
	Black		-	Tin	-	-	-	1-2040558-3
	Natural		1-1939028-3	Gold	-	1-1939796-3	1-1939818-3	1-1939261-3
	Yellow	3-1939028-3	Gold	-	-	3-1939818-3	3-1939261-3	
	Black	Y	2-1827864-3	Gold	2-1903131-3	2-1903130-3	2-1827876-3	2-1827875-3
	Natural		2-1939028-3	Gold	-	2-1939796-3	2-1939818-3	2-1939261-3
Yellow	4-1939028-3		Gold	-	-	4-1939818-3	4-1939261-3	
8	Black	X	1-1827864-4	Gold	1-1903131-4	1-1903130-4	1-1827876-4	1-1827875-4
	Natural		1-1939028-4	Gold	-	-	1-1939818-4	1-1939261-4
	Black	Y	2-1827864-4	Gold	2-1903131-4	2-1903130-4	2-1827876-4	2-1827875-4
	Natural		-	-	-	-	-	-
10	Black	X	1-1827864-5	Gold	-	-	-	1-1827875-5
	Natural		1-1939028-5	Gold	-	-	-	1-1939261-5
	Black	Y	2-1827864-5	Gold	-	-	-	2-1827875-5
12	Black	X	1-1827864-6	Gold Tin	1-1903131-6	1-1903130-6	1-1827876-6	1-1827875-6
	Black		Y	2-1827864-6	Gold	-	-	2-1827876-6
20	Black	X	1-1827864-0	Gold	1-1903131-0	1-1903130-0	1-1827876-0	1-1827875-0
	Black	Y	2-1827864-0	Gold	2-1903131-0	2-1903130-0	2-1827876-0	2-1827875-0

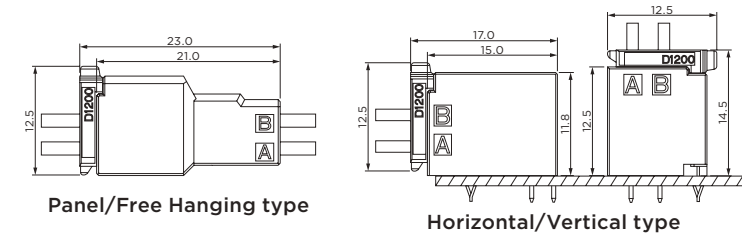
Related product information

Application Contact ...P.13
Performance • Specifications ...P.11

Note: All Part Numbers are RoHS compliant.
You need to confirm LOT and lead time.

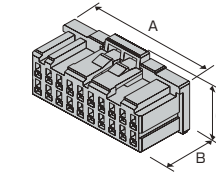
D-1200D 2 Row High Voltage Types

Fitting Dimensions



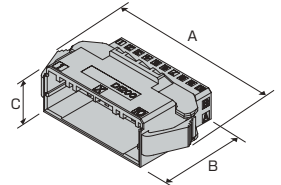
External Dimensions

• Receptacle Housing



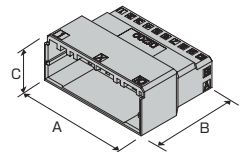
No.of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
4	X	-	Black	1-1827864-2	7.6	11.3	12.5
		-	Natural	1-1939028-2			
	Y	-	Black	2-1827864-2			
		-	Natural	2-1939028-2			
6	X	-	Black	1-1827864-3	10.1	11.3	12.5
		-	Natural	1-1939028-3			
	Y	-	Black	2-1827864-3			
		-	Natural	2-1939028-3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

• 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
6	X	-	Black	1-1903131-3	19.6	21.0	13.9
				2-1903131-3			
8	X	-	Black	1-1903131-4	22.1	21.0	13.9
				2-1903131-4			
12	X	-	Black	1-1903131-6	27.1	21.0	13.9
20	X	-	Black	1-1903131-0	37.1	21.0	13.9
				2-1903131-0			

Free Hanging type



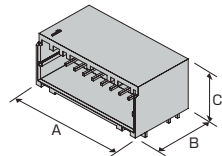
No.of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
4	X	-	Black	1-1903130-2	7.6	21.0	11.3
6	X	-	Black	1-1903130-3	10.1	21.0	11.3
				1-1939796-3			
	Y	-	Black	2-1903130-3			
				2-1939796-3			
8	X	-	Black	1-1903130-4	12.6	21.0	11.3
				2-1903130-4			
12	X	-	Black	1-1903130-6	17.6	21.0	11.3
20	X	-	Black	1-1903130-0	27.6	21.0	11.3
				2-1903130-0			

Note: All Part Numbers are RoHS compliant.
You need to confirm LOT and lead time.

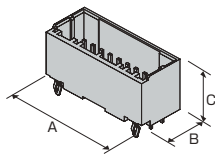
D-1200D 2 Row High Voltage Types

• Board-Mounting Tab Header

Horizontal types



Vertical types



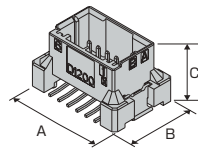
No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
4	X	Gold	Black	1-1827876-2	7.6	15.0	11.8
		Tin	Black	1-1871673-2			
		Gold	Natural	1-1939818-2			
	Y	Gold	Yellow	3-1939818-2			
		Gold	Black	2-1827876-2			
		Gold	Natural	2-1939818-2			
6	X	Gold	Black	1-1827876-3	10.1	15.0	11.8
		Gold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

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	Black	1-1827875-4	12.6	11.3	12.5
	Y	Gold	Natural	1-1939261-4			
10	X	Gold	Black	2-1827875-4	15.1	11.3	12.5
	Y	Gold	Natural	1-1939261-5			
12	X	Gold	Black	1-1827875-5	17.6	11.3	12.5
	Y	Gold	Black	2-1827875-5			
20	X	Gold	Black	1-1827875-6	27.6	11.3	12.5
	Y	Gold	Black	2-1827875-6			

SMT Type

• Board-Mounting Tab Header

Vertical type

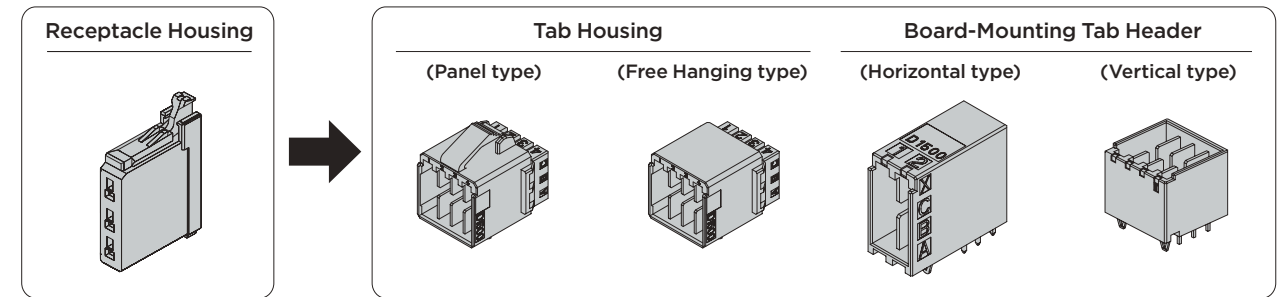


No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
12	X	Gold	Black	1-2013407-6	23.6	16.3	13.5

Note: All Part Numbers are RoHS compliant. You need to confirm LOT and lead time.

D1500T 3 Row High Voltage Modular Type

Part Number Chart

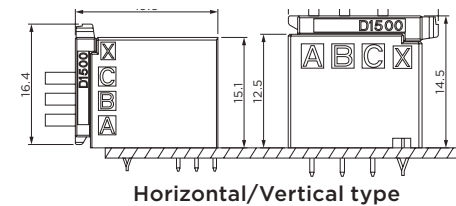


No. of Pos.	Color	Keying	Receptacle housing	Plating	Tab housing		Board-mounting tab header	
					Panel type	Free hanging type	Horizontal type	Vertical type
3	Black	X	1-1827579-1	Gold	-	1-2040444-1	-	1-1827581-1
6	Black	X	1-2069029-2	Gold	1-2040404-2	1-2040444-2	1-1827583-2	1-1827581-2
9	Black	X	1-2069029-3	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	-	-	-

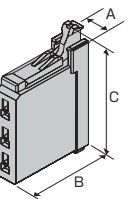
Related product information

Application Contact ...P.13
Performance • Specifications ...P.11

Dimensions



• Receptacle Housing



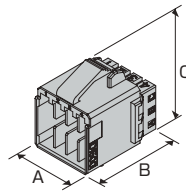
No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
3	X	-	Black	1-1827579-1	3.3	11.3	16.4
6	X	-	Black	1-2069029-2	6.8	11.3	16.4
9	X	-	Black	1-2069029-3	10.3	11.3	16.4
12	X	-	Black	1-2069029-4	13.8	11.3	16.4

Note: All Part Numbers are RoHS compliant. You need to confirm LOT and lead time.

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

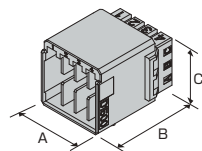
External Dimensions

- Tab Housing
Panel type



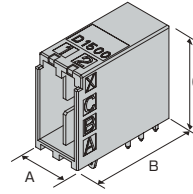
No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
6	X	-	Black	1-2040404-2	8.5	21.0	24.5
9	X	-	Black	1-2040404-3	12.0	21.0	24.5
12	X	-	Black	1-2040404-4	15.5	21.0	24.5
36	X	-	Black	3-2040404-2	43.5	21.0	24.5

- Tab Housing
Free hanging type



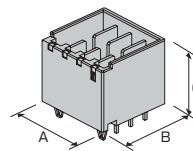
No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
3	X	-	Black	1-2040444-1	3.0	21.0	15.0
6	X	-	Black	1-2040444-2	6.5	21.0	15.0
9	X	-	Black	1-2040444-3	10.0	21.0	15.0
12	X	-	Black	1-2040444-4	13.5	21.0	15.0

- PCB 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

- PCB Mounting Tab Header
Vertical type

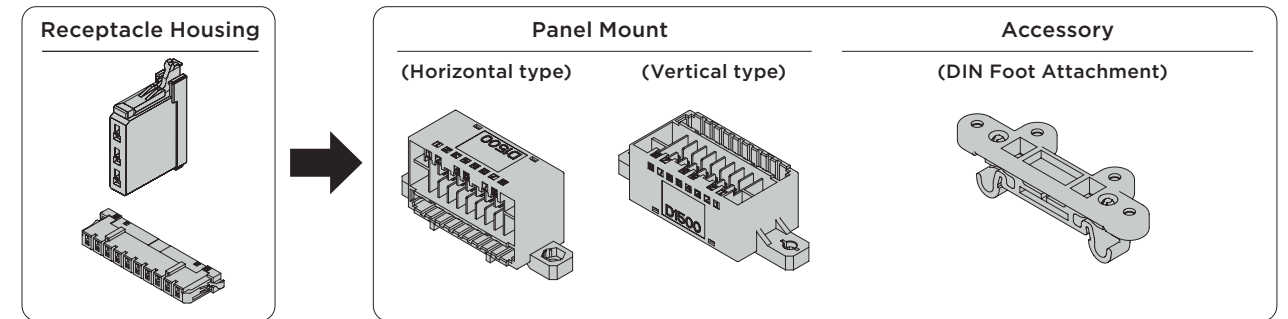


No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
3	X	Gold	Black	1-1827581-1	4.6	14.6	12.5
6	X	Gold	Black	1-1827581-2	8.1	14.6	12.5
9	X	Gold	Black	1-1827581-3	11.6	14.6	12.5
12	X	Gold	Black	1-1827581-4	15.1	14.6	12.5

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-1500T Junction box

Part Number Chart



No. of Pos.	Color	Keying	Receptacle Housing	Plating	Panel Mount		Accessory
					Horizontal type	Vertical type	DIN foot attachment kit
3	Black	X	1-1827579-1	-	-	-	-
10	Black	-	1971150-1	-	-	-	-
34	Black	-	-	Gold	1971151-1	1971151-2	1971182-1*

*DIN Foot Attachment Kit contents as follows

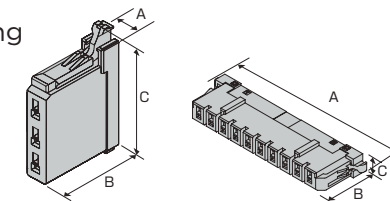
- DIN Foot Attachment x1
- M3 Fixing Screw x4

Related product information

Application Contact ...P.13
Performance • Specifications ...P.11

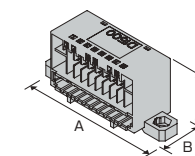
External dimensions

- 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

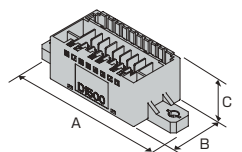
- Panel Mount
Horizontal type



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

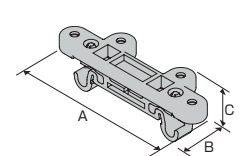
NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

- 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

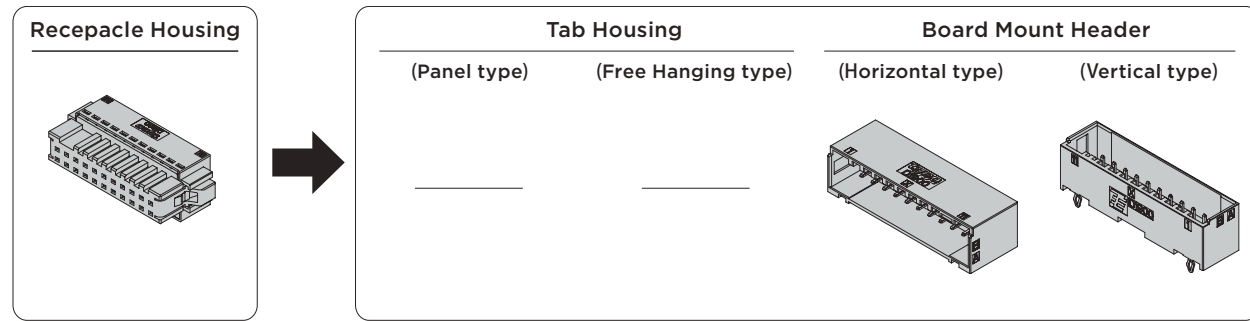
- Accessory
DIN Foot Attachment Kit



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

D-1900D 2-Row Spring Clamp type

Part Number Chart

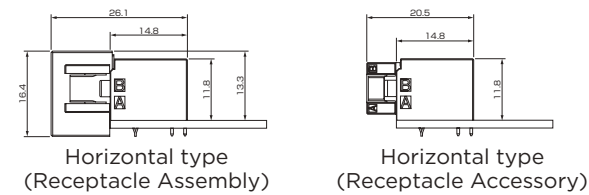


No of Pos.	Color	Keying	Receptacle Assembly	Tab Housing		Board Mount Header	
			Spring Clamp	Panel type	Free Hanging type	Horizontal type	Vertical type
8	Black	X	1-1871940-4	-	-	1-1871935-4	1-2013325-4
12	Black	X	1-1871940-6	-	-	1-1871935-6	1-2013325-6
16	Black	X	1-1871940-8	-	-	1-1871935-8	-
22	Black	X	2-1871940-1	-	-	2-1871935-1	2-2013325-1
30	Black	X	2-1871940-5	-	-	2-1871935-5	-
38	Black	X	2-1871940-9	-	-	2-1871935-9	-

Related product information

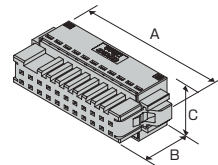
Application Contact ...P.13
Performance • Specifications ...P.11

Mating Dimension



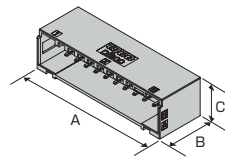
External Dimensions

• Receptacle Assembly (Spring Clamp)



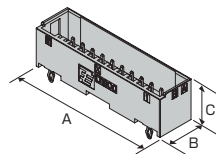
No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
8	X	Gold	Black	1-1871940-4	25.2	20.6	16.4
12	X	Gold	Black	1-1871940-6	32.2	20.6	16.4
16	X	Gold	Black	1-1871940-8	39.2	20.6	16.4
22	X	Gold	Black	2-1871940-1	49.7	20.6	16.4
30	X	Gold	Black	2-1871940-5	63.7	20.6	16.4
38	X	Gold	Black	2-1871940-9	77.7	20.6	16.4

• Bound Mount Header Horizontal type



No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
8	X	Gold	Black	1-1871935-4	19.8	14.8	11.8
12	X	Gold	Black	1-1871935-6	26.8	14.8	11.8
16	X	Gold	Black	1-1871935-8	33.8	14.8	11.8
22	X	Gold	Black	2-1871935-1	44.3	14.8	11.8
30	X	Gold	Black	2-1871935-5	58.3	14.8	11.8
38	X	Gold	Black	2-1871935-9	72.3	14.8	11.8

Vertical type



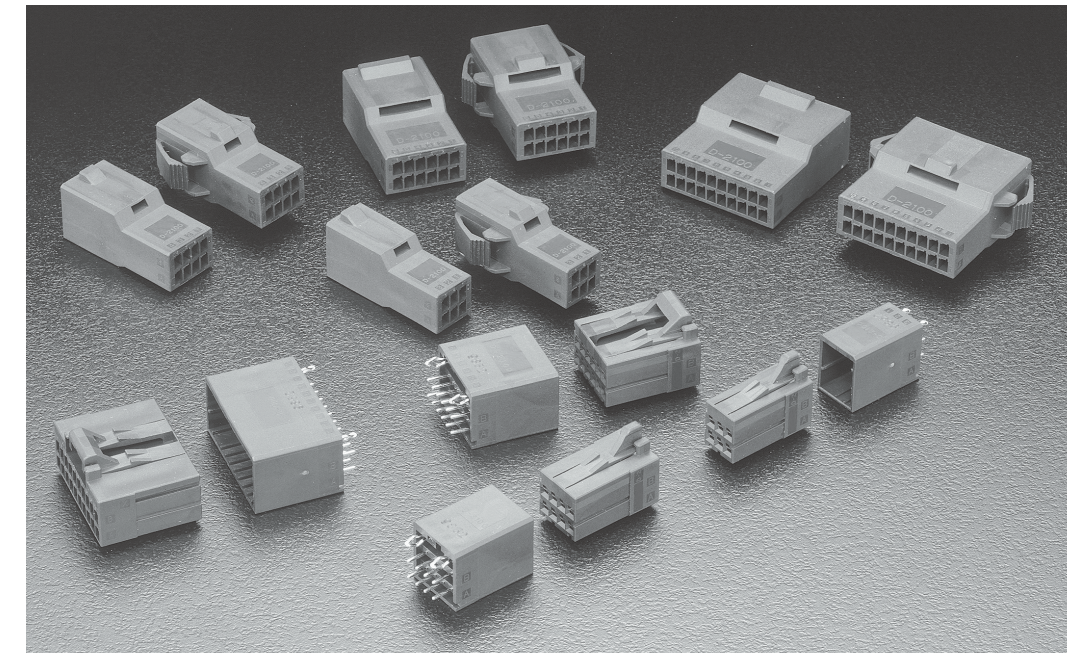
No. of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
8	X	Gold	Black	1-2013325-4	20.2	11.5	12.5
12	X	Gold	Black	1-2013325-6	26.8	11.5	12.5
22	X	Gold	Black	2-2013325-1	44.3	11.5	12.5

You need to confirm LOT and lead time

D-2000 Series

Series Introduction

The D-2000 series is a compact connector in the Dynamic series and has the specifications for industrial machinery. Its proprietary concept long contact wiping length provides the high-reliability needed for industrial machinery. The line-up also includes the multi-position drawer type not found in any other series and the hybrid type that integrates signal and power lines in a single connector.



Features

- Terminal and Housing Construction are Twist Resistant**
The box shape receptacle contact is highly resistant to twisting and the housing slit also prevents angled mating to increase reliability.
- Contact Wiping Length**
Attaining the reliability needed for industrial machinery in a compact size by using a long contact wiping length.
- Wire Sizes:**
With its 2.5 mm pitch, it is a compact series, yet it can use 18 AWG wires, which are often used in industrial equipment.
- Audible Latching**
Obvious lock sound and feeling when mating means work can be done without mistakes, such as mismatching (half-mating), even if the connection cannot be seen.
- Keying**
The housing is keyed (with a slit), so differentiating between X keys and Y keys prevents mismatching. It is also possible to make more key patterns by using keying plugs.
- Center Locking**
This is the first application of a center lock in the Dynamic series. On-board space requirements can be minimized because these connectors can be mounted in a tight space for high-density mounting on boards requiring signal lines.
- Drawer Type**
The drawer type connector was developed with a floating construction on one side for applications where it is not possible to see the connection. There can be up to 50 positions, the highest in the series. These connectors make it possible to make connections between units without looking.
- Hybrid Type**
For signal lines use the D-2000 connector, for power lines use the D-3000 connector. The D-2600 series combines signal and power lines in a single connector. This cuts on-board space requirements and improves maintenance.

D-2000 Series Performance Specifications and Standards

Performance Specifications

Item	2100S/D	2100M	2600D
Pitch	2.5mm		
Current Rating	5A max	2.6A max	3.2A max
Voltage Rating	250V AC/DC		
Dielectric Withstanding Voltage	1500V AC	2300V AC	1500V AC
Total Resistance	5mΩ max (initial) 10mΩ max (final)		
Insertion Strength	4.9N max (per pole)		
Withdrawal strength	0.29N max (per pole)		
Durability	500 times		
Lock Strength	39.2N min	-	98N min

No. of Pos/Wire size/Current rating D-2100S/D value

No. of pos	Wire size					
	#18	#20	#22	#24	#26	#28
3	5	4.5	4.3	3.3	2.9	2.3
6	5	4.2	4	2.7	2.5	2
8	4.5	4	3.5	2.5	2.2	1.8
12	4	3.5	3	2.3	1.9	1.5
16	3.2	2.8	2.4	2	1.6	1.2
20	3.2	2.8	2.4	2	1.6	1.2

Product Specifications Manual Materials & Construction

Series name	D-2100S/D	D-2100M	D-2600D
Product standards	108-5619	108-5659	108-78301
Application Spec	114-5258		
Instruction Sheet (Hand Tool)	411-5897		
Instruction Sheet (Extraction Tool PN)	411-5900 (1276716-1)		

Materials and Plating

Category	Material	Completion
Receptacle Contact Tab Contact	Copper alloy	Nickel undercoat gold plating (0.38μm)
Board side Tab post	Copper alloy	Tin plating and nickel undercoat gold plating (0.38μm)
Housing	UL94V-0 glass-reinforced thermoplastic PBT	

Please refer to the standards on P. 35 for the D-3000 contact used in D-2600D
Please refer to the manual when using the product. An e-Catalogue is also available for download from the Internet.

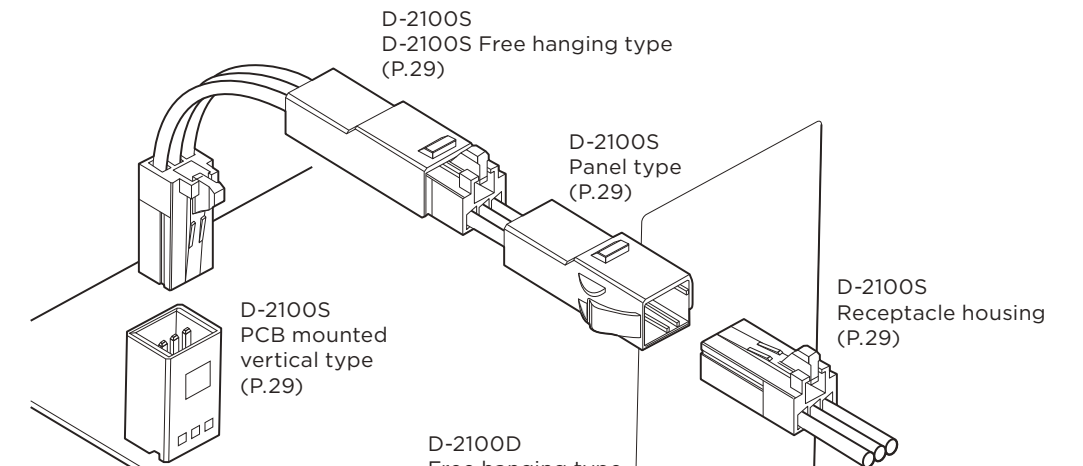
Safety Standards

The following safety standards have been approved depending on model number. Please check each model number to see if it has been approved or not. Also, please be aware that these may not match TE's own performance specifications.

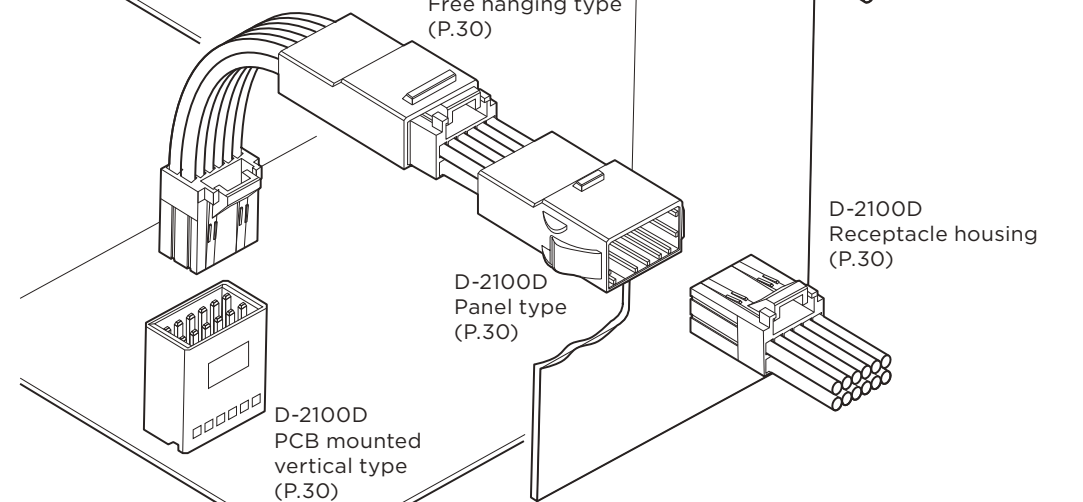
Standards	Series	D-2100 series			D-2100M drawer type		
		Current Rating	Voltage rating	Temperature rating	Current rating	Voltage rating	Temperature rating
Product standards 108-5619 general 108-5659 drawer type		250V AC/DC	5A 1 pole	-55°C~+105°C	250V AC/DC	2.6A AWG#20 hours 50 pole load	-5°C~+105°C
UL File No.E28476		Determined according to the requirements of the machine in use	Determined according to the requirements of the machine in use	-	Determined according to the requirements of the machine in use	Determined according to the requirements of the machine in use	-
CSA Report No. LR 7189		250V AC/DC	AWG#24-#28: 3.3A AWG#18-#22: 5A	-	250V AC/DC	max 5A per pole	-
TÜV License No. R 9950679		125V AC/DC	5A	-55°C~+105°C	125V AC/DC	max 5A per pole	-5°C~+105°C

D-2000 Series Configurations

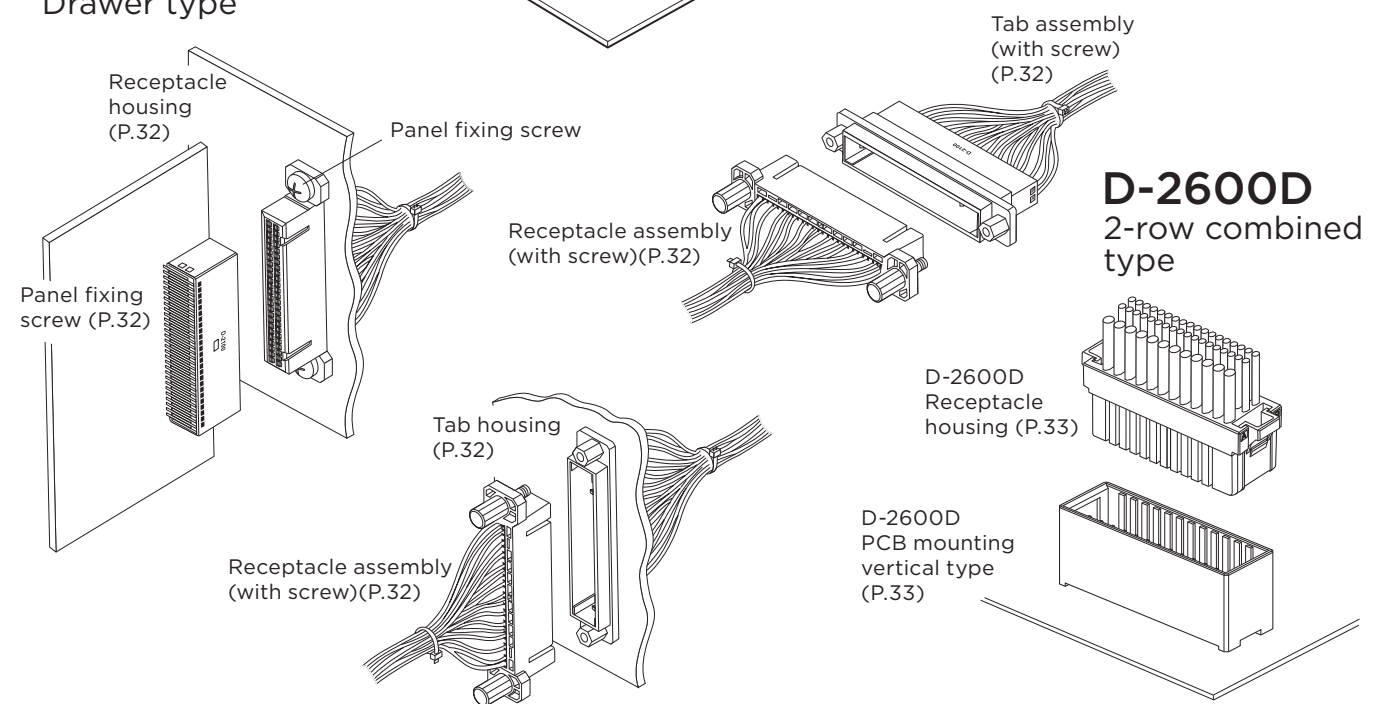
D-2100S
1 row type



D-2100D
2 row type



D-2100M
Drawer type

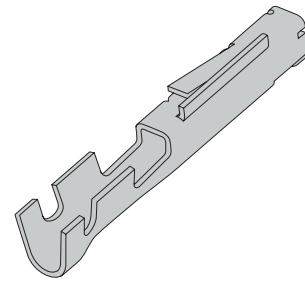


D-2000 Series

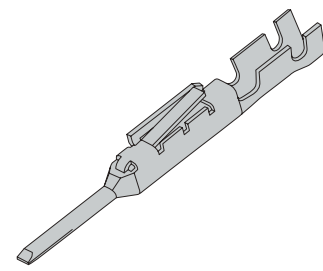
D-2000 Series

D-2000 Series Contact

- Crimped type (gold plating thickness 0.38 μm)



Receptacle Contact
• used in receptacle housing



Tab Contact
• used in tab housing

Applicable Wiring Range		Insulation Wire Outer Diameter mm	Wire Range Mark	Contact Part Number				Applicable Tool Part Number	
AWG	mm ²			Receptacle Contact		Tab Contact		Hand Tool	Mini Applicator
				Strip Form	Loose Piece	Strip Form	Loose Piece		
28	0.09	0.88-1.3	S	1318106-1	1318108-1	1318110-1	1318112-1	91576-1	2151240-1
26	0.12								
24	0.20	1.11-1.43							
22	0.30	1.26-1.8	M	1318105-1	1318107-1	1318109-1	1318111-1	91595-1	2151071-1
20	0.50								
18	0.85								

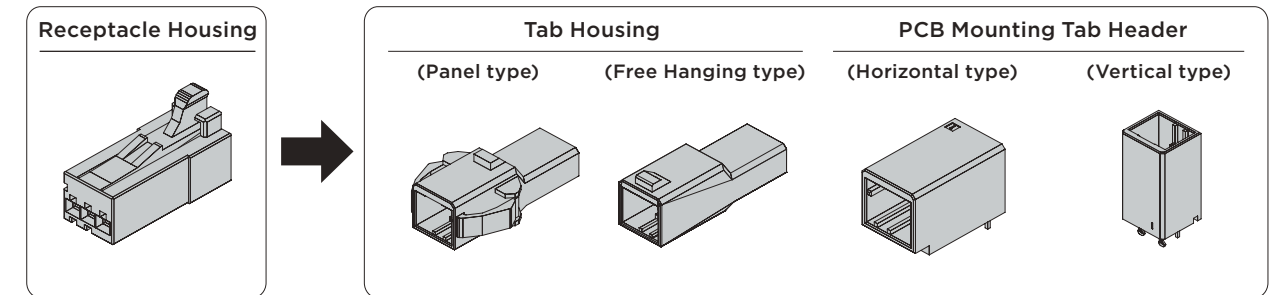
Note: When placing your order, please check with the confirmed sales slots. Please contact our sales department or purchase distributor for more information.

For mini applicator, please contact with the sales department.

The receptacle contact can be used in all receptacle housings, the tab contact can be used in all tab housings. Details of the applicable tools are available from P. 107

D-2100S 1-Row Standard Type

Part Number Chart



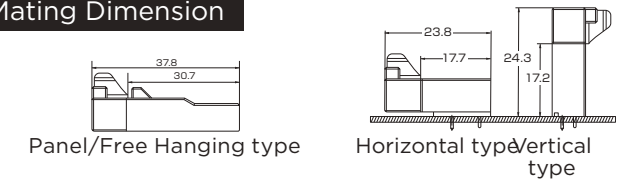
No. of Pos.	Color	Key	Receptacle Housing	Plating	Tab Housing		PCB Mounting Tab Header	
					Panel type	Free Hanging type	Horizontal type	Vertical type
3	Black	X	1-1318120-3		1-1318116-3	1-1318117-3	1376135-1	1318123-1
	Black	Y	2-1318120-3		2-1318116-3	2-1318117-3	1376135-2	1318123-2
	Black	Z	3-1318120-3	Gold	-	-	1376135-3	-
	Black	X	1-1473074-3 [Ⓐ]	Gold	-	-	-	1-1318123-1

The * mark means drawer type

Related product information

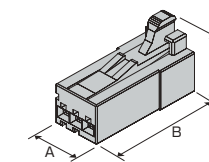
Application Contact ...P.28
Performance • Specifications ...P.26

Mating Dimension



External Dimension

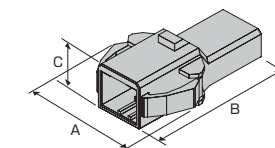
- Receptacle Housing



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-1318120-3	8.9	20.0	12.0
	Y	-	Black	2-1318120-3			
	Z	-	Black	3-1318120-3			
	X	-	Black	1-1473074-3			

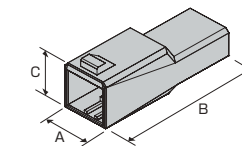
- Tab Housing

Panel type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-1318116-3	19.7	30.7	9.5
	Y	-	Black	2-1318116-3			

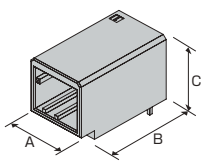
Free Hanging type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-1318117-3	10.2	30.7	9.5
	Y	-	Black	2-1318117-3			

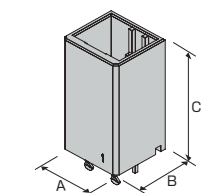
NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

- PCB Mounting Tab Header Horizontal type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	Gold	Black	1376135-1	10.2	17.7	11.0
	Y	Gold	Black	1376135-2			
	Z	Gold	Black	1376135-3			

Vertical type

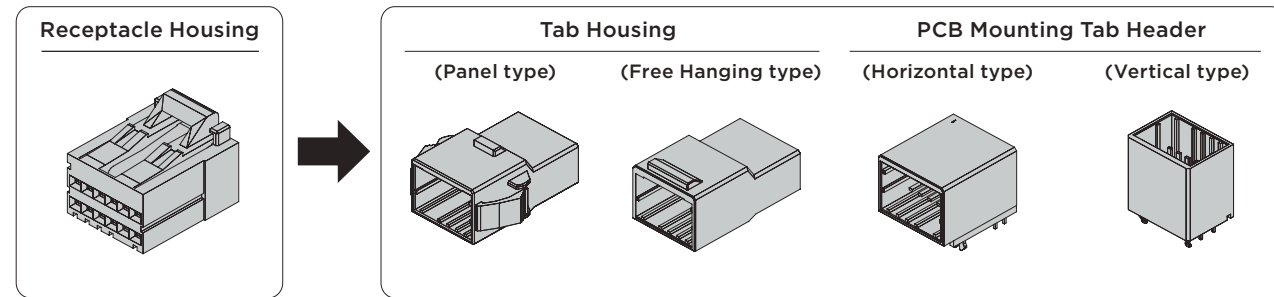


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	Gold	Black	1318123-1	10.2	9.5	17.8
		Gold	Black	1-1318123-1			
		Gold	Black	1318123-2			

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-2100D 2-Row Standard Type

Part Number Chart



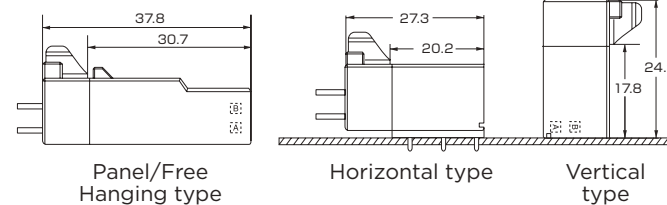
No of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		PCB Mounting Tab Header	
					Panel Type	Free Hanging type	Horizontal type	Vertical type
6	Black	X	1-1318119-3	Gold	1-1318114-3	1-1318115-3	1376136-1	1318124-1
	Black	Y	2-1318119-3	Gold	2-1318114-3	2-1318115-3	1376136-2	1318124-2
8	Black	X	1-1318119-4	Gold	1-1318114-4	1-1318115-4	1376009-1 1-1376009-1*	1318125-1 1-1318125-1*
	Black	Y	2-1318119-4	Gold	2-1318114-4	2-1318115-4	1376009-2	1318125-2 1-1318125-2*
12	Black	X	1-1318118-6	Gold	1-1318114-6	1-1318115-6	1376020-1	1318126-1 1-1318126-1*
	Black	Y	2-1318118-6	Gold	2-1318114-6	-	1376020-2	1318126-2 1-1318126-2*
16	Black	X	1-1318118-8	Gold	-	-	-	1318126-3
	Black	Y	2-1318118-8	Gold	-	-	-	1747994-1
20	Black	X	1-1318118-9	Gold	1-1318114-9	1-1318115-9	1376137-1	1318127-1
	Black	Y	2-1318118-9	Gold	2-1318114-9	2-1318115-9	1376137-2	1318127-2

* sequential type

Related product information

Application Contact ...P.28
Performance • Specifications ...P.26

Mating Dimension

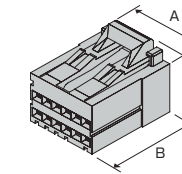


NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-2100D 2-Row Standard Type

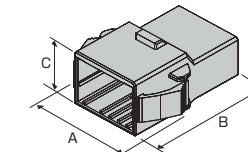
External dimension

- Receptacle Housing



No.of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	-	Black	1-1318119-3	8.3	20.0	15.8
	Y	-	Black	2-1318119-3			
8	X	-	Black	1-1318119-4	10.8	20.0	15.8
	Y	-	Black	2-1318119-4			
12	X	-	Black	1-1318118-6	15.8	20.0	14.8
	Y	-	Black	2-1318118-6			
	Z	-	Black	3-1318118-6			
16	X	-	Black	1-1318118-8	20.8	20.0	14.8
	Y	-	Black	2-1318118-8			
20	X	-	Black	1-1318118-9	25.8	20.0	14.8
	Y	-	Black	2-1318118-9			

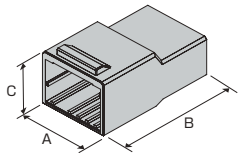
- Tab Housing
Panel type



No.of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	-	Black	1-1318114-3	19.7	30.7	13.2
	Y	-	Black	2-1318114-3			
8	X	-	Black	1-1318114-4	22.2	30.7	13.2
	Y	-	Black	2-1318114-4			
12	X	-	Black	1-1318114-6	27.2	30.7	13.2
	Y	-	Black	2-1318114-6			
20	X	-	Black	1-1318114-9	37.2	30.7	13.2
	Y	-	Black	2-1318114-9			

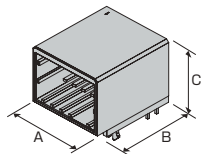
NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

- Tab Housing
Free Hanging type



No.of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	Gold	Black	1-1318115-3	10.2	30.7	10.7
	Y	Gold	Black	2-1318115-3			
8	X	Gold	Black	1-1318115-4	12.7	30.7	10.7
	Y	Gold	Black	2-1318115-4			
12	X	Gold	Black	1-1318115-6	17.7	30.7	10.7
20	X	Gold	Black	1-1318115-9	27.7	30.7	10.7
	Y	Gold	Black	2-1318115-9			

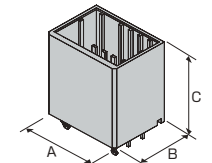
- Board Mount Tab Header
Horizontal type



No.of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	Gold	Black	1376136-1	10.2	20.2	14.7
	Y	Gold	Black	1376136-2			
8	X	Gold	Black	1376009-1 1-1376009-1*	12.7	20.2	14.7
	Y	Gold	Black	1376009-2			
12	X	Gold	Black	1376020-1	17.7	20.2	14.7
	Y	Gold	Black	1376020-2			
20	X	Gold	Black	1376137-1	27.7	20.2	14.7
	Y	Gold	Black	1376137-2			

* sequential type

- Board Mount Tab Header
Vertical type

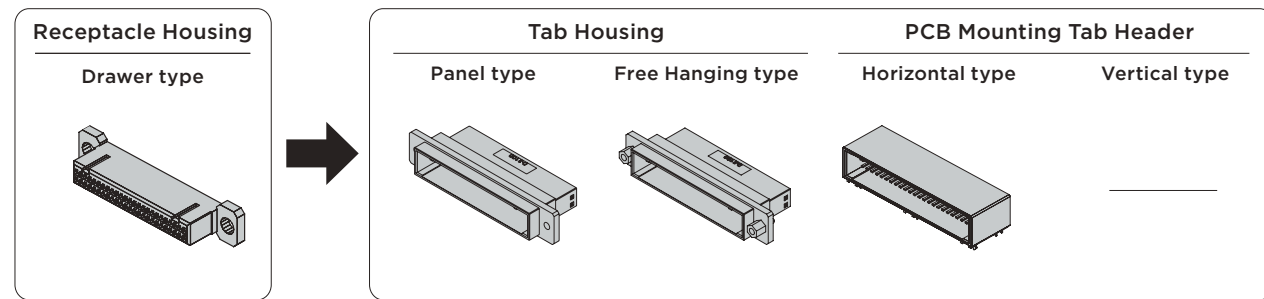


No.of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	Gold	Black	1318124-1	10.2	13.2	17.8
	Y	Gold	Black	1318124-2			
8	X	Gold	Black	1318125-1 1-1318125-1	12.7	13.2	17.8
	Y	Gold	Black	1318125-2 1-1318125-2			
12	X	Gold	Black	1318126-1 1-1318126-1	17.7	13.2	17.8
	Y	Gold	Black	1318126-2 1-1318126-2			
	Z	Gold	Black	1318126-3			
16	X	Gold	Black	1747994-1	22.7	13.2	17.8
	Y	Gold	Black	1747994-2			
20	X	Gold	Black	1318127-1	27.7	13.2	17.8
	Y	Gold	Black	1318127-2			

* sequential type

D-2100M 2-Row Standard Multiposition Type (drawer)

Part Number Chart

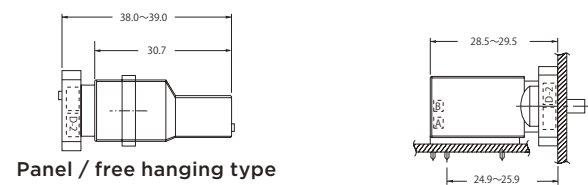


No. of Pos.	Color	Keying	Receptacle Housing		Plating	Tab Housing		PCB Mounting Tab Header	
			Type	Models Number		Panel type	Free Hanging type	Horizontal type	Vertical type
50	Black	-	Drawer	1318577-1	Gold	1318578-1	-	1318579-1	-
	Black	-	Drawer with screw	1376072-2	-	1318578-2 with nut	1376073-2	-	-

Related product information

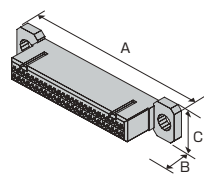
Application Contact ...P.28
Performance • Specifications ...P.26
Accessories ...P.112

Mating Dimension



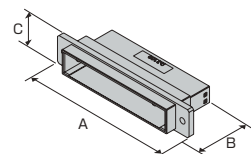
External dimension

- Receptacle Housing
- Receptacle Housing (With Screw)



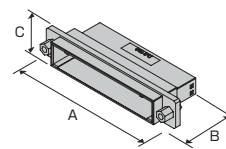
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
50	-	-	Black	1318577-1	88.5	20.0	16.6
50	-	-	Black	1376072-2	88.5	32.0	16.6

- Tab Housing
- Panel type



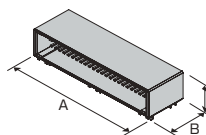
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
50	-	-	Black	1318578-1	86.1	30.7	15.9
	-	-	Black	1318578-2 (with nut)	86.1	30.7	15.9

- Receptacle Assembly (With Screw)
- Free Hanging type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
50	-	-	Black	1376073-2	86.1	30.7	15.9

- PCB Mounting Tab Header
- Horizontal type

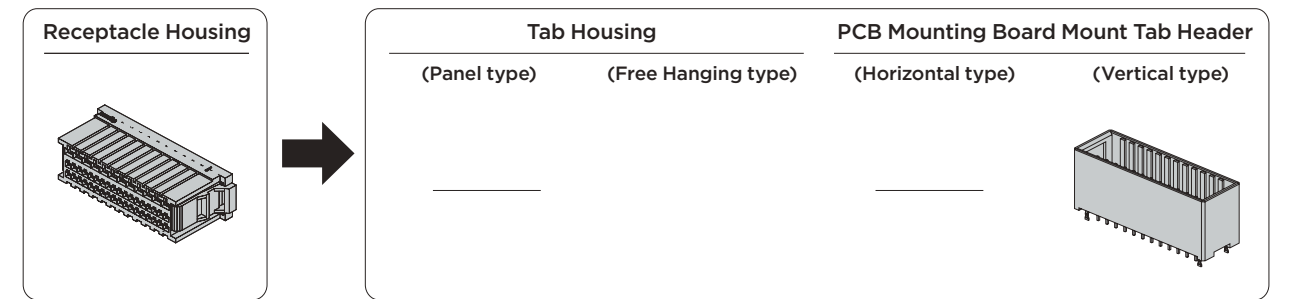


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
50	-	Gold	Black	1318579-1	68.5	21.1	15.4

NOTE: All products are RoHS compliant On selection.
You need to confirm LOT and lead time

D-2600D 2-Row Combined Type

Part Number Chart

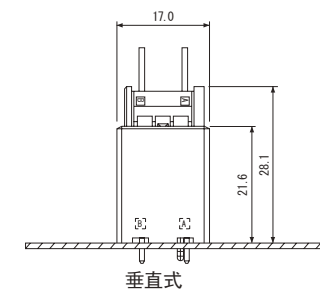


No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing		PCB Mounting Tab Header	
					Panel type	Free Hanging type	Horizontal type	Vertical type
48	Black	-	1827540-1	Gold	-	-	-	1827538-1

Related product information

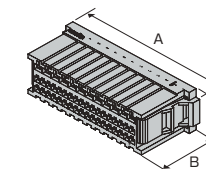
Application Contact ...P.28, 38
Performance • Specifications ...P.26

Mating Dimension



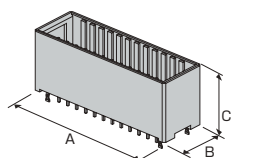
External Dimension

- Receptacle Housing



No. of pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
48	-	-	Black	1827540-1	58.7	22.8	15.8

- PCB Mounting Tab Header
- Vertical type



No. of pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
48	-	Gold	Black	1827538-1	55.9	18.0	21.6

D-3000 Series

Series Introduction

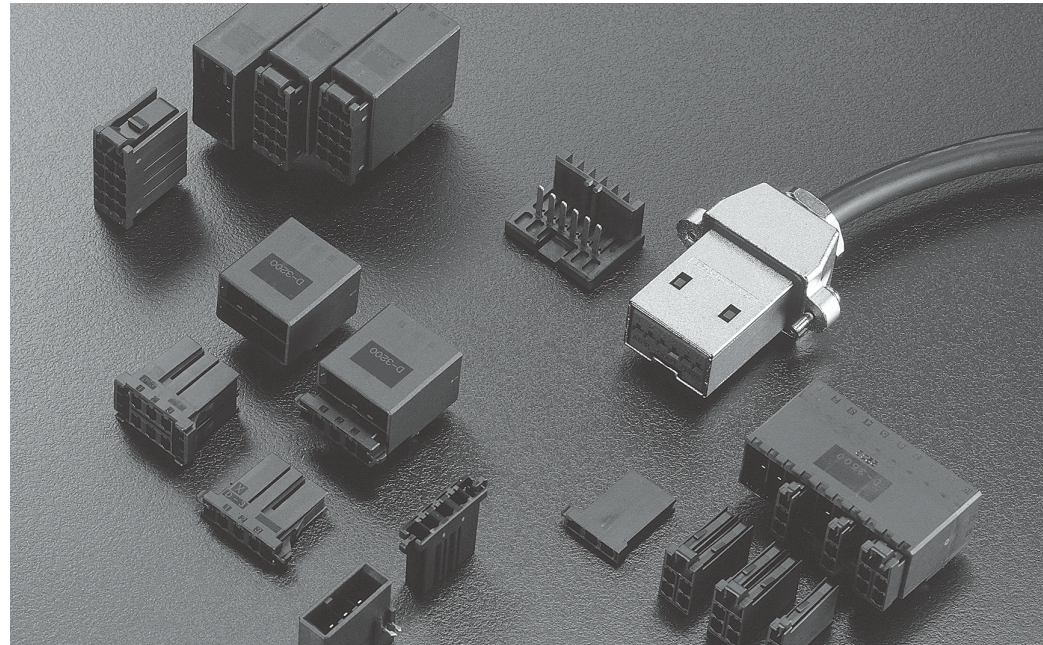
The 3000 series is the main Dynamic Series. They are widely used as industrial 'signal' and 'power' connectors.

Pin layout comes in three types: standard 3.81mm pitch high voltage, 5.08mm pitch type and 7.5mm spring clamp pitch type.

The former one is used for signal circuits and the latter two are for high-voltage circuits.

For power source usage, it meets recent demands for small size and high power due to the increasing miniaturisation of the machinery, and the newly developed copper alloy, which can carry a higher current of 15A per pole despite its small size.

This concept is based on the development of the Dynamic Series to cover as wide a range of solutions for as many customers as possible. This concept makes the D-3000 series terminals fit all the housings, and the wide variety of which means that it is not necessary for a customer to look outside of this range for every requirement.



Product Features

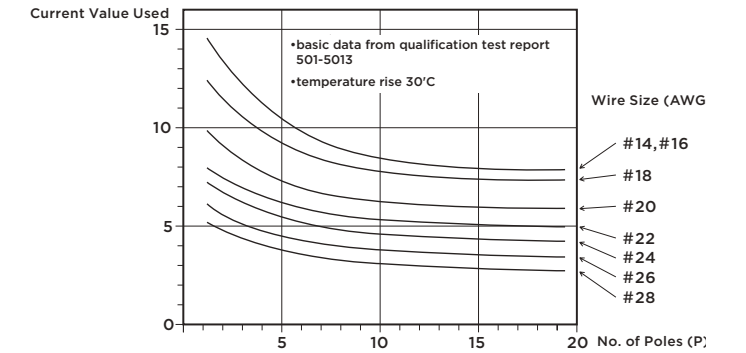
- An anti-twist structure developed for the motor industry will lead to the release of our anti-twist receptacle contact box structure. The box contact has 3 points of contact and gives stable reliability in a real-world environment.
- 3 Plating types are available depending on applications, to meet the customer's cost, performance requirements and applications. Under a normal environment with few insertions and withdrawals tin plating can be used, where there is a large number of insertions and withdrawals then gold plating 0.38µm thick should be used. Further where the environment is deleterious then gold plating at 0.76µm thick can be selected.
- 2 types of contact pressures are available depending on application: standard Contact pressure for withstanding a large number of insertions and withdrawals or other extreme environments, and high Contact pressure for vibration prone applications.
- High Current: Despite its small size, it conducts up to 15A (at a maximum temperature of 30°C). The latest developed copper alloy adds to the reliability of the 3-point contact structure.
- Audible Latching: When mating, a clear 'lock' sound and vibration will be felt by the assembler, that can prevent working 'blind' mis-mating (or halfmating) problems.
- Keying: The housing provides a keying (slit), hence mis-matings can be prevented by using the X and Y keys separately. At the same time, the keying plug can be used to create new key patterns.

3000 Series Performance Specifications Standards

Performance Specifications

Item	Pitch	150 mil 3.81mm	200mil 5.08mm
Voltage Rating		250V AC/DC	600V AC/DC
Current Rating		1 pole : 15A 3 pole : 12A 6 pole : 9.5A 16 pole : 8A (AWG#16 for use as powersource)	
contact resistance		10mΩ max	
Dielectric Withstanding Voltage		1,500V AC (1 minute)	2,200V AC (1 minute)
Operating Temperature		-55- 105°C	

Pos. Number/Wire size/Rated current



Performance Specifications* Manual

Product standards	108-5349
Test report	501-5013
Mounting application standard	114-5148
Pull tool product number (234168-1) manual	411-5726

Hand tool manual	
Tool product number	Instruction Sheet No
91565-1	408-8547-1
91559-1	
91558-1	
91560-1	
91561-1	
1762954-1	411-78206
1762956-1	411-78207

Please order the manual concurrently. An E-Catalogue is also available for download from the internet

Safety Specifications

The following safety standards have been approved depending on model number. Please check each model number to see if it has been approved or not. Also, please be aware that these may not match TE.'s own performance specifications.

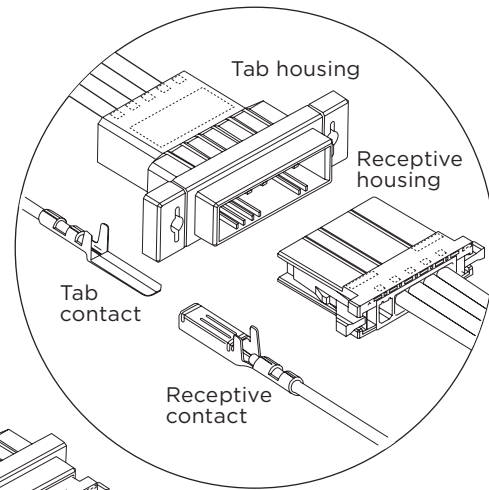
	D-3100, D - 3400 series (3.81mm pitch)			D-3200, D - 3500 series (5.08mm pitch)																																		
	Voltage Rating	Current Rating	Temperature Rating	Voltage Rating	Current Rating	Temperature Rating																																
108-5349	250V AC/DC	upper table	55 - 105	600V AC/DC	upper table	-55°C - +105°C																																
product standards 108-5349	Based on the requirements of machine in use	Based on the requirements of machine in use	-	Based on the requirements of machine in use	Based on the requirements of machine in use	-																																
UL File No.E28476 Recognized Component	250V AC/DC	8 A MAXIMUM	-	250V AC/DC	8 A MAXIMUM	-																																
CSA Report No. LR7189	250V AC 300V DC		-20°C - +105°C	400V AC 300V DC		-20°C - +105°C																																
TÜV License No. 9151488 R (EN 61984). IP protection IP -00. overvoltage classification (III) Repeated inserts and withdrawals 50 circles	250V AC 300V DC	<table border="1"> <tr><th>AWG</th><th>A</th></tr> <tr><td>28</td><td>2</td></tr> <tr><td>26</td><td>3</td></tr> <tr><td>24</td><td>3</td></tr> <tr><td>22</td><td>4</td></tr> <tr><td>20</td><td>5</td></tr> <tr><td>18</td><td>6</td></tr> <tr><td>16</td><td>8</td></tr> </table>	AWG	A	28	2	26	3	24	3	22	4	20	5	18	6	16	8	-20°C - +105°C	400V AC 300V DC	<table border="1"> <tr><th>AWG</th><th>A</th></tr> <tr><td>28</td><td>2</td></tr> <tr><td>26</td><td>3</td></tr> <tr><td>24</td><td>3</td></tr> <tr><td>22</td><td>4</td></tr> <tr><td>20</td><td>5</td></tr> <tr><td>18</td><td>6</td></tr> <tr><td>16</td><td>8</td></tr> </table>	AWG	A	28	2	26	3	24	3	22	4	20	5	18	6	16	8	-20°C - +105°C
AWG	A																																					
28	2																																					
26	3																																					
24	3																																					
22	4																																					
20	5																																					
18	6																																					
16	8																																					
AWG	A																																					
28	2																																					
26	3																																					
24	3																																					
22	4																																					
20	5																																					
18	6																																					
16	8																																					
	-	Same as above	Same as above	250V AC 300V DC	Same as above	Same as above																																

Material & Finish

Category	Material	Completion
Receptacle contact Tab contact	copper alloy	bright tin plating or nickel undercoat gold plating
PCB side tab post	copper alloy	tin plating or nickel undercoat gold plating
Housing	UL94V-0 glass-reinforced thermoplastic PBT, PPS (SMT type), or liquid crystal polymer (motor connector), Black	

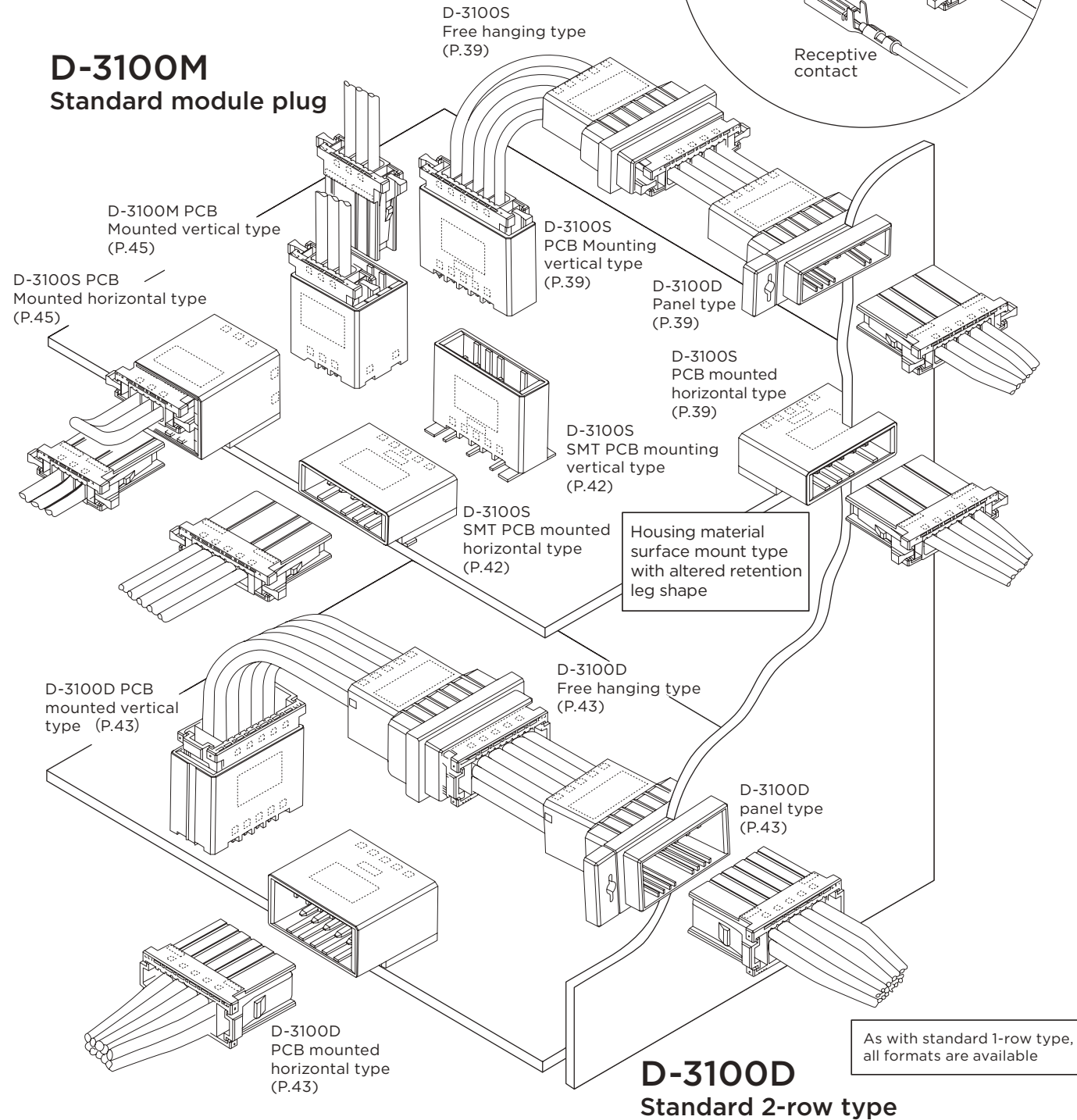
D-3000 Series Applications List

Applicable to both signal circuit and power supply circuit carrying a maximum current of 15A per pole, a full lineup is available from Wire-to-Wire panel type and free hanging type, to Wire-to-Board horizontal and vertical type.



D-3100S
Standard 1-row type

D-3100M
Standard module plug



D-3000 Series

D-3000 Series Applications List

D-3200M
High voltage modular type

Suitable for use with high voltage circuits

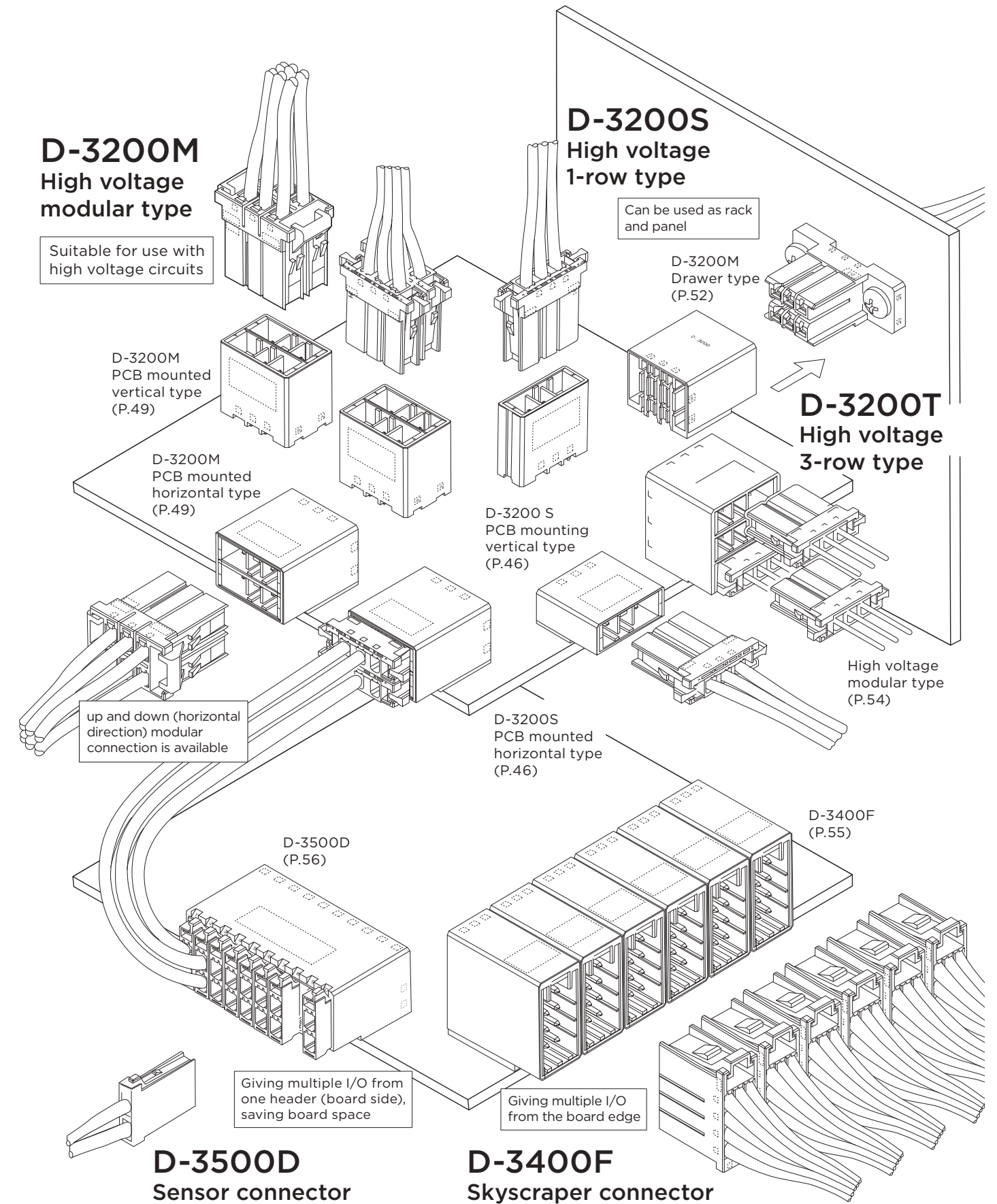
D-3200S
High voltage 1-row type

Can be used as rack and panel

D-3200M Drawer type (P.52)

D-3200T
High voltage 3-row type

High voltage modular type (P.54)

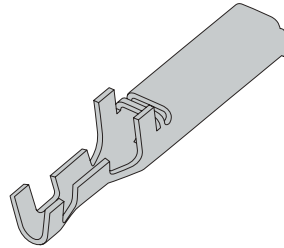


D-3000 Series

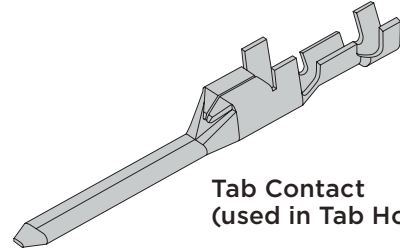
D-3000 Series D-3 Contact and Applicable Tools

- Crimped types

Receptacle Contact (used in Receptacle Housing)



Tab Contact (used in Tab Housing)



Applicable Wiring Range		Wire Insulation outer diameter mm ※1	Wire Range Mark	Contact Part Number					Applicable Tool Product Number	
AWG	mm ²			Receptacle Contact		Tab Contact		Hand Tool CCII Hand Tool PEW12 Hand Tool* PEW12 dice only	Mini Applicator	
		Strip Form	Loose Piece	Strip form	Loose Piece					
28 26	0.08 0.12	0.8-1.2	S	Standard Contact pressure (gold plating only) ☒	175194-□	175216-□	175284-□	175287-□	91565-1	2088631-2
24	0.20	1.0-1.4		High Contact pressure	1-175194-□	1-175216-□	175287-□			
24 22 20	0.20 0.30 0.50	1.2-1.6 1.7-2.6	M	Standard Contact pressure (gold plating only)	175195-□	175217-□	175285-□	175288-□	91559-1 1762954-1* 1762955-1	2151080-1
				High Contact pressure	1-175195-□	1-175217-□	175288-□			
20 18	0.50 0.85	1.8-2.8	L	Standard Contact pressure (gold plating only)	175196-□	175218-□	175286-□	175289-□	91558-1 1762956-1* 1762957-1	2151018-1
16	1.25	2.2-2.8		High Contact pressure	1-175196-□	1-175218-□	175289-□			
16 14	1.25 2.20	2.2-2.8	2L	Standard Contact pressure (gold plating only)	917484-□	917511-□	917485-□	917512-□	91560-1	1426353-2
				High Contact pressure	1-917484-□	1-917511-□	917512-□			
16 14	1.25 2.20	3.1-3.3 3.3-3.8	3L	Standard Contact pressure (gold plating only)	353715-□	353717-□	353716-□	353718-□	91561-1	2151073-1
				High Contact pressure	1-353715-□	1-353717-□	353718-□			

Reference: plating code

- 2:0.38 μm thickness gold plating
- 3:0.76 μm thickness gold plating
- 5: tin plating (high Contact voltage type only)

Please contact our sales department or authorized distributor for more information. For mini applicator, please contact our sales department

The strip form contact is for use with mini applicator (bench machine) while the loose piece contact is for use with hand tools.

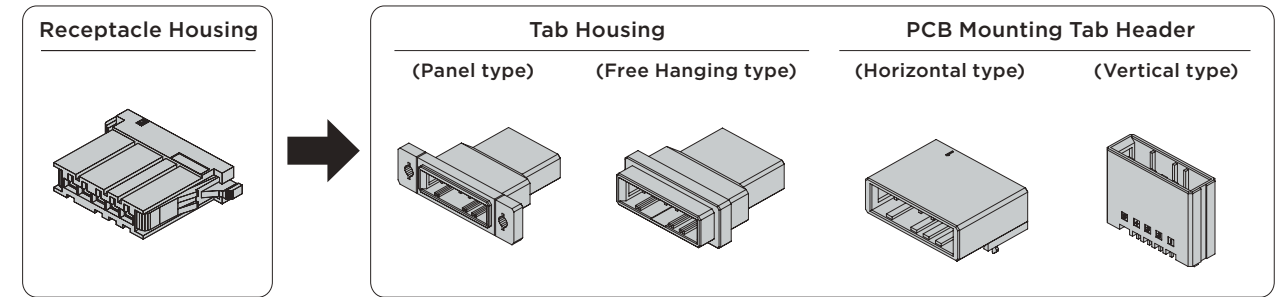
※ 1 insulated covering diameter is for loose connectors For connected type please refer to 114-5148 PEW12 is a die-exchangeable hand tool. * with die, product number of the handle only is 9-1478240-0

The receptacle contact can be used in all receptacle housings, while the tab contact can be used in all tabs housings Details of the applicable tool are available from P. 107

NOTE: all products are RoHS compliant On selection.You need to confirm LOT and lead time

D-3100S 1-Row Standard Types

Part Number Chart

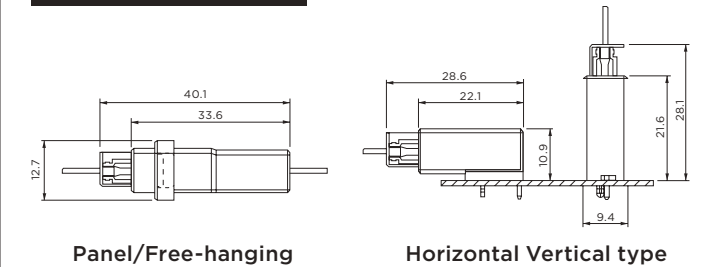


No. of Pos.	Color	Keying	Receptacle Housing	Plating	Tab Housing			PCB Mounting Tab Header	
					Panel	Free Hanging type	L bracket	Horizontal	Vertical type
3	Black	X	1-178288-3	Gold	1-178802-3	1-177648-3	S	1-178293-2	1-178313-2
				Gold				1-178293-3	1-178313-3
				Tin				1-178293-5	1-178313-5
3	Black	Y	-	Tin	-	-	S	-	6-178313-5
				Gold				2-178293-2	2-178313-2
				Gold				2-178293-3	2-178313-3
4	Black	X	1-178288-4	Tin	2-178802-3	2-177648-3	S	2-178293-5	2-178313-5
				Gold				1-178294-2	1-178314-2
				Gold				1-178294-3	1-178314-3
4	Black	Y	2-178288-4	Tin	-	-	-	1-178294-2	1-178314-2
				Gold				2-178294-2	2-178314-2
				Gold				2-178294-3	2-178314-3
5	Black	X	1-178288-5	Tin	1-178802-5	1-177648-5	L	1-178295-2	1-178315-2
				Gold				1-178295-3	1-178315-3
				Gold				1-178295-5	1-178315-5
6	Black	X	1-178288-6	Tin	-	-	-	1-178296-2	1-178316-2
				Gold				1-178296-3	1-178316-3
				Gold				1-178296-5	1-178316-5
6	Black	Y	2-178288-6	Tin	-	-	-	2-178296-2	2-178316-2
				Gold				-	2-178316-3
				Gold				-	2-178316-5
8	Black	X	1-178288-7	Tin	1-178802-7	1-177648-7	L	1-178297-2	1-178317-2
				Gold				1-178297-3	1-178317-3
				Gold				1-178297-5	1-178317-5
10	Black	X	1-178288-8	Tin	1-178802-8	1-177648-8	L	1-178298-2	1-178318-2
				Gold				1-178298-3	1-178318-3
				Gold				1-178298-5	1-178318-5
10	Black	Y	2-178288-8	Gold	2-178802-8	2-177648-8	L	2-178298-3	2-178318-2
				Gold					

Related product information

- Application Contact ...P.38
- Performance • Specifications ...P.35
- Accessories ...P.110, 112

Mating Dimension



NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

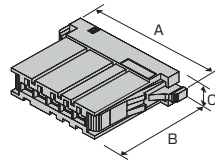
D-3000 Series

D-3000 Series

D-3100S 1-Row Standard Types

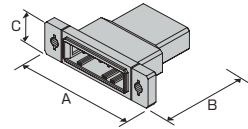
External Dimension

- Receptacle Housing



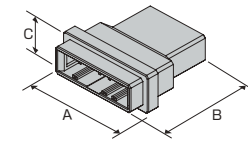
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-178288-3	26.8	22.8	7.2
	Y	-	Black	2-178288-3			
4	X	-	Black	1-178288-4	30.6	22.8	7.2
	Y	-	Black	2-178288-4			
5	X	-	Black	1-178288-5	34.4	22.8	7.2
6	X	-	Black	1-178288-6	38.2	22.8	7.2
	Y	-	Black	2-178288-6			
8	X	-	Black	1-178288-7	45.8	22.8	7.2
10	X	-	Black	1-178288-8	53.4	22.8	7.2
	Y	-	Black	2-178288-8			

- Tab Housing
Panel type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-178802-3	40.0	33.6	12.7
	Y	-	Black	2-178802-3			
5	X	-	Black	1-178802-5	47.0	33.6	12.7
8	X	-	Black	1-178802-7	59.0	33.6	12.7
10	X	-	Black	1-178802-8	67.0	33.6	12.7
	Y	-	Black	2-178802-8			

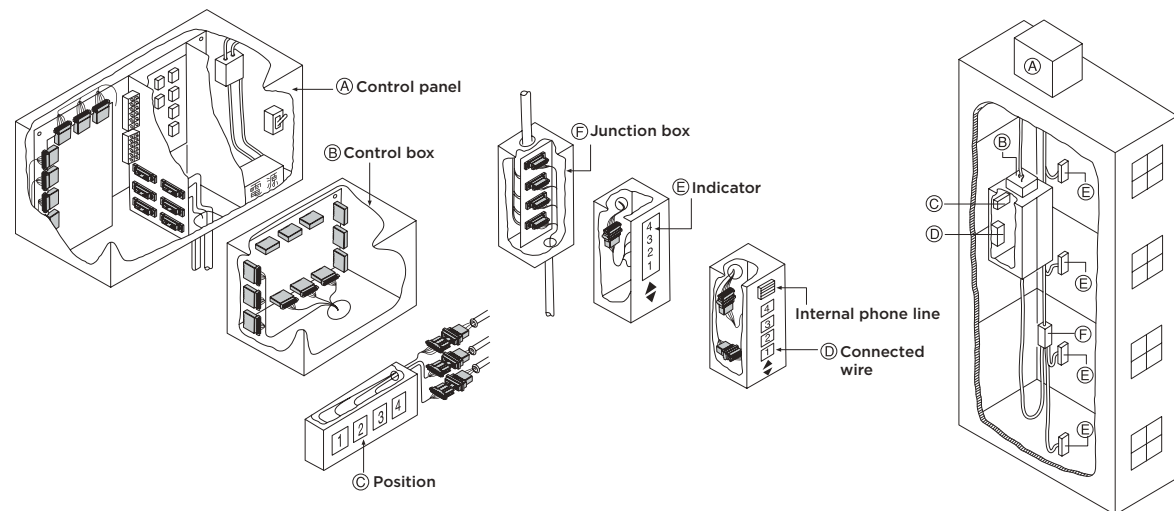
- Free Hanging type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-177648-3	25.6	33.6	12.7
	Y	-	Black	2-177648-3			
5	X	-	Black	1-177648-5	33.2	33.6	12.7
8	X	-	Black	1-177648-7	44.6	33.6	12.7
10	X	-	Black	1-177648-8	52.2	33.6	12.7
	Y	-	Black	2-177648-8			

Applications

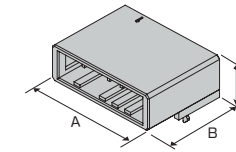
Example of elevator applications



NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

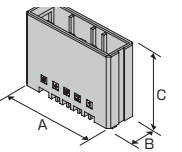
D-3100S 1-Row Standard Types

- PCB Mounting Tab Header
Horizontal type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	Gold	Black	1-178293-2	21.6	22.1	10.9
		Gold	Black	1-178293-3			
		Tin	Black	1-178293-5			
	Y	Gold	Black	2-178293-2			
		Gold	Black	2-178293-3			
		Tin	Black	2-178293-5			
4	X	Gold	Black	1-178294-2	25.4	22.1	10.9
		Gold	Black	1-178294-3			
		Tin	Black	1-178294-5			
4	Y	Gold	Black	2-178294-2	25.4	22.1	10.9
		Gold	Black	2-178294-3			
		Tin	Black	1-178294-5			
5	X	Gold	Black	1-178295-2	29.2	22.1	10.9
		Tin	Black	1-178295-5			
6	X	Gold	Black	1-178296-2	33.1	22.1	10.9
		Gold	Black	1-178296-3			
		Tin	Black	1-178296-5			
6	Y	Gold	Black	2-178296-2	33.1	22.1	10.9
		Tin	Black	1-178296-5			
8	X	Gold	Black	1-178297-2	40.7	22.1	10.9
		Gold	Black	1-178297-3			
		Tin	Black	1-178297-5			
10	X	Gold	Black	1-178298-2	48.3	22.1	10.9
		Gold	Black	1-178298-3			
	Tin	Black	1-178298-5				
	Y	Gold	Black	2-178298-3			

- PCB Mounting Tab Header
Vertical type

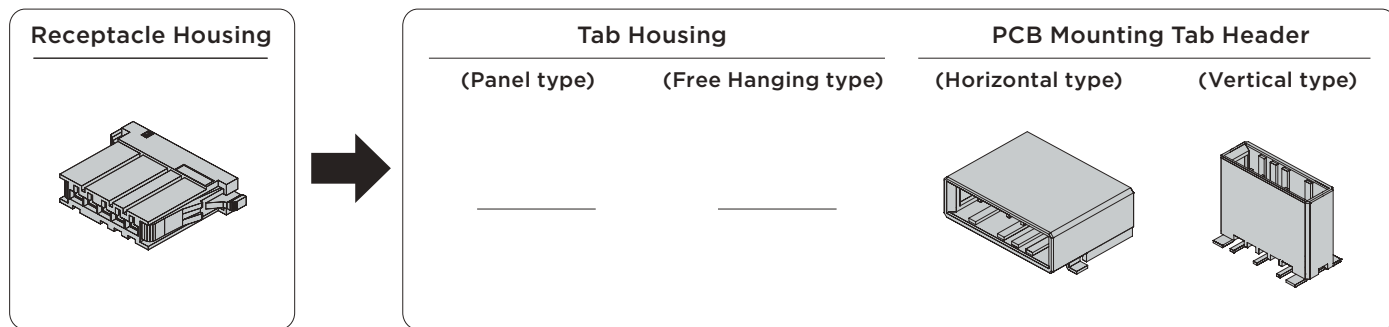


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	Gold	Black	1-178313-2	21.6	9.4	21.6
		Gold	Black	1-178313-3			
		Tin	Black	1-178313-5			
	Y	Tin	natural colour	6-178313-5			
		Gold	Black	2-178313-2			
		Gold	Black	2-178313-3			
4	X	Gold	Black	1-178314-2	25.4	9.4	21.6
		Gold	Black	1-178314-3			
		Tin	Black	1-178314-5			
	Y	Gold	Black	2-178314-2			
		Gold	Black	2-178314-3			
		Tin	Black	2-178314-5			
5	X	Gold	Black	1-178315-2	29.2	9.4	21.6
		Gold	Black	1-178315-3			
		Tin	Black	1-178315-5			
6	X	Gold	Black	1-178316-2	33.1	9.4	21.6
		Gold	Black	1-178316-3			
		Tin	Black	1-178316-5			
	Y	Gold	Black	2-178316-2			
		Gold	Black	2-178316-3			
		Tin	Black	2-178316-5			
8	X	Gold	Black	1-178317-2	40.7	9.4	21.6
		Gold	Black	1-178317-3			
		Tin	Black	1-178317-5			
10	X	Gold	Black	1-178318-2	48.3	9.4	21.6
		Gold	Black	1-178318-3			
	Tin	Black	1-178318-5				
	Y	Gold	Black	2-178318-2			

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

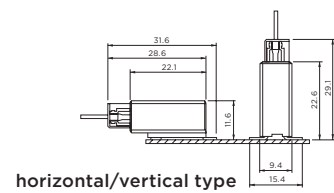
D-3100S SMT Types

Part Number Chart



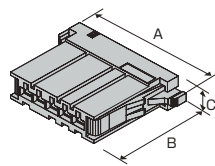
No of Pos.	Color	Key	Receptacle Housing	Plating	Tab Housing		PCB Mounting Tab Header	
					Tab Housing	Free Hanging type	Horizontal type	Vertical type
5	Black	X	1-178288-5	Gold	-	-	1-177662-2	1-177665-2
8	Black	X	1-178288-7	Gold	-	-	1-179188-2	-
					-	-	1-179188-3	

Mating Dimension



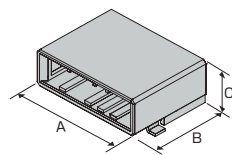
External Dimension

- Receptacle Housing



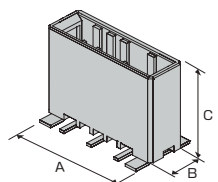
No of Pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
5	X	-	Black	1-178288-5	34.4	22.8	7.2
8	X	-	Black	1-178288-7	45.8	22.8	7.2

- PCB Mounting Tab Header
Horizontal type



No. of pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
5	X	Gold	Black	1-177662-2	29.2	22.1	11.6
		Gold	Black	1-179188-2	40.7	22.1	11.6
Gold	Black	1-179188-3					

- Vertical type

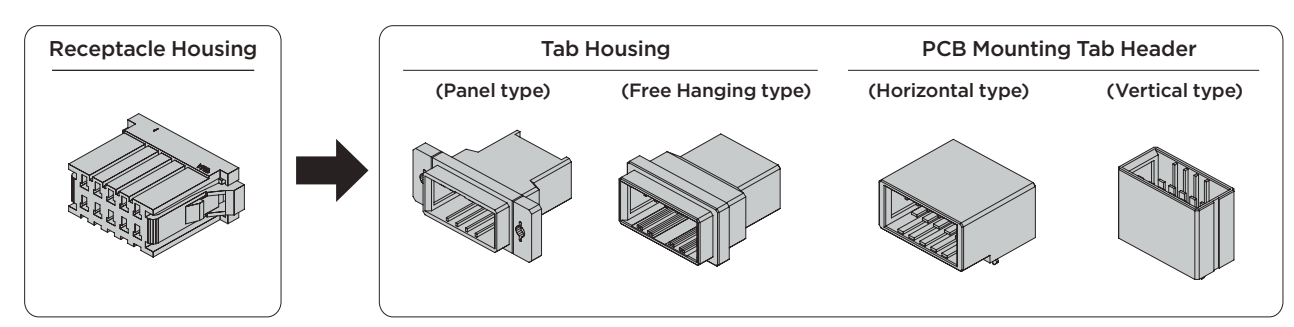


No. of pos.	Keying	Plating	Color	Part number	Dimensions		
					A	B	C
5	X	Gold	Black	1-177665-2	29.2	9.4	22.6

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-3100D 2-Row Standard Type

Part Number Chart

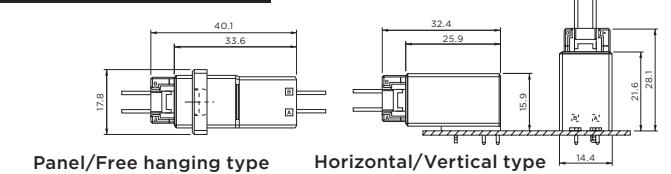


No of Pos.	Color	Key	Receptacle Housing	Plating	Tab Housing			PCB Mounting Tab Header	
					Panel Type	Free Hanging Type	L Bracket	Horizontal	Vertical type
6	Black	X	178289-3	Gold	178803-3	178964-3	S	178303-2	178323-2
				Gold				178303-3	178323-3
				Tin				178303-5	178323-5
8	Black	X	178289-4	Gold	-	178964-4	S	1717412-2	1903601-2
				Tin				-	1903601-5
				Gold				178305-2	178325-2
10	Black	X	178289-5	Gold	178803-5	178964-5	L	178305-3	178325-3
				Gold				178305-5	178325-5
				Tin				178306-2	178326-2
12	Black	X	178289-6	Gold	178803-6	178964-6	L	178306-3	178326-3
				Tin				178306-5	178326-5
				Gold				178307-2	178327-2
16	Black	X	178289-7	Gold	178803-7	178964-7	L	178307-3	178327-3
				Tin				178307-5	178327-5
				Gold				178308-2	178328-2
20	Black	X	178289-8	Gold	178803-8	178964-8	L	178308-3	178328-3
				Gold				178308-5	178328-5
				Tin					

Related product information

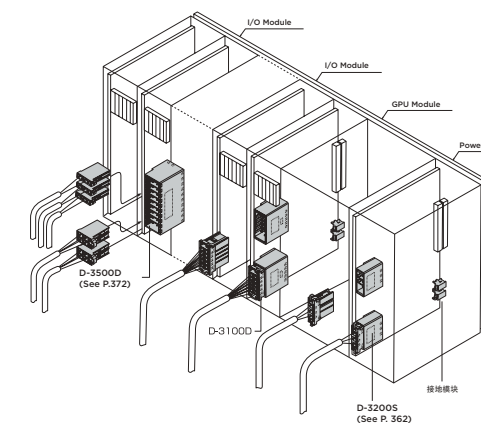
Application Contact ...P.38
Performance • Specifications ...P.35
Accessories ...P.110, 112

Mating Dimension



Application

Programmable Controller Application Example

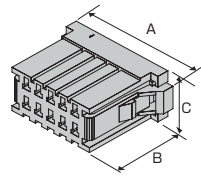


NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-3100D 2-Row Standard Type

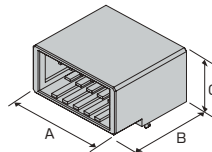
External Dimension

- Receptacle Housing



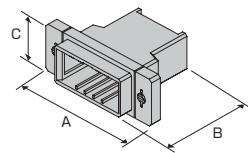
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	-	Black	178289-3	24.4	22.8	12.5
8	X	-	Black	178289-4	28.2	22.8	12.5
10	X	-	Black	178289-5	32.0	22.8	12.5
12	X	-	Black	178289-6	35.8	22.8	12.5
16	X	-	Black	178289-7	42.7	22.8	12.5
20	X	-	Black	178289-8	51.0	22.8	12.5

- PCB Mounting Tab Header
Horizontal type



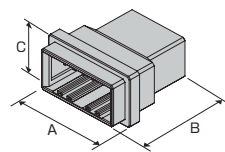
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	Gold	Black	178303-2	21.6	25.9	15.9
	X	Tin	Black	178303-5			
8	X	Gold	Black	1717412-2	25.4	25.9	15.9
	X	Gold	Black	1717412-3			
10	X	Gold	Black	178305-2	29.2	25.9	15.9
	X	Tin	Black	178305-5			
12	X	Gold	Black	178306-2	33.1	25.9	15.9
	X	Tin	Black	178306-5			
16	X	Gold	Black	178307-2	40.7	25.9	15.9
	X	Tin	Black	178307-5			
20	X	Gold	Black	178308-2	48.3	25.9	15.9
	X	Tin	Black	178308-5			

- Tab Housing
Panel type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	-	Black	178803-3	40.0	33.6	17.8
10	X	-	Black	178803-5	47.0	33.6	17.8
12	X	-	Black	178803-6	51.0	33.6	17.8
16	X	-	Black	178803-7	59.0	33.6	17.8
20	X	-	Black	178803-8	67.0	33.6	17.8

- Tab Housing
Free Hanging type

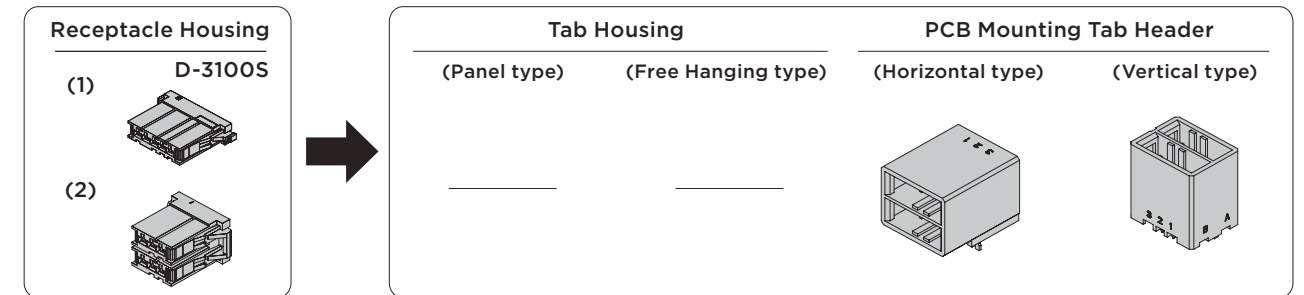


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	X	-	Black	178964-3	25.6	33.6	17.8
8	X	-	Black	178964-4	29.4	33.6	17.8
10	X	-	Black	178964-5	33.2	33.6	17.8
12	X	-	Black	178964-6	37.0	33.6	17.8
16	X	-	Black	178964-7	44.6	33.6	17.8
20	X	-	Black	178964-8	52.2	33.6	17.8

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-3100M 2 Row Standard Modular Type

Part Number Chart

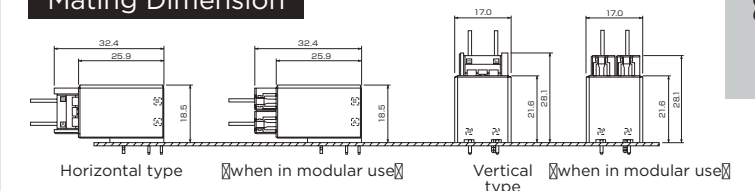


No. of Pos.	Color	Key	Receptacle Housing		Plating	Tab Housing		PCB Mounting Tab Header	
			1 row 3 pos. 1	2 rows 6 pos.		Panel Type	Free Hanging Type	Horizontal type	Vertical type
6	Black	XX	1-178288-3	1-178127-6	Gold	-	-	1-178137-2	1-178141-2
					Gold	-	-	1-178137-3	1-178141-3
	Black	YY	2-178288-3	2-178127-6	Gold	-	-	1-178137-5	1-178141-5
					Gold	-	-	2-178137-2	-
	Black	XY	2-178288-3	3-178127-6	Gold	-	-	2-178137-5	-
					Gold	-	-	3-178137-2	3-178141-2
				Tin	-	-	3-178137-3	3-178141-3	
							3-178137-5	3-178141-5	

Related product information

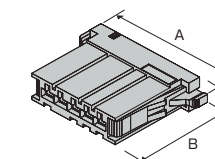
Application Contact ...P.38
Performance • Specifications ...P.35

Mating Dimension

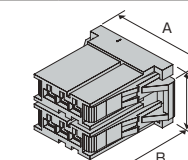


External Dimension

- Receptacle Housing



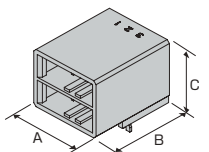
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
3	X	-	Black	1-178288-3	26.8	22.8	7.2



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions						
					A	B	C				
6	XX	-	Black	1-178127-6	24.8	22.8	14.8				
								YY	-	Black	2-178127-6
								XY	-	Black	3-178127-6

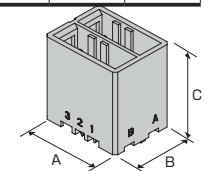
NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

- PCB Mounting Tab Header
Horizontal type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	XX	Gold	Black	1-178137-2	21.6	25.9	18.5
		Gold	Black	1-178137-3			
		Tin	Black	1-178137-5			
	YY	Gold	Black	2-178137-2			
		Tin	Black	2-178137-5			
		Gold	Black	3-178137-2			
XY	Gold	Black	3-178137-3				
	Tin	Black	3-178137-5				

- PCB Mounting Tab Header
Vertical type

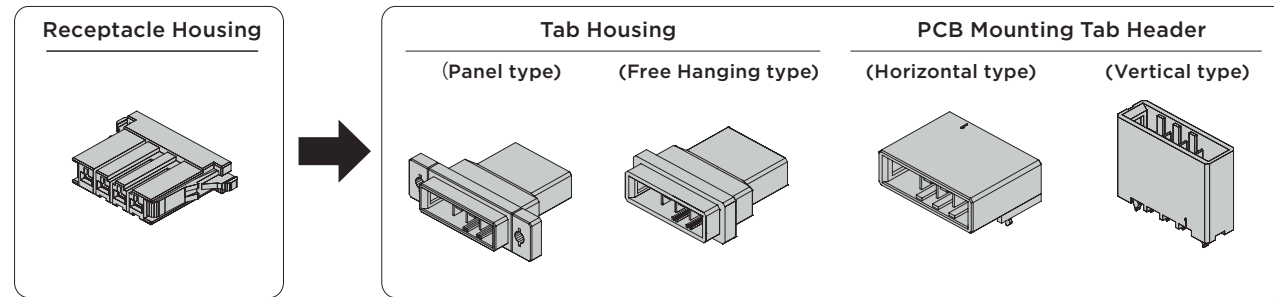


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
6	XX	Gold	Black	1-178141-2	21.6	17.0	21.6
		Gold	Black	1-178141-3			
		Tin	Black	1-178141-5			
		Gold	Black	3-178141-2			
		Gold	Black	3-178141-3			
	XY	Tin	Black	3-178141-5			

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-3200S 1 Row High Voltage Type

Part Number Chart



No. of Pos.	Color	Key	Receptacle Housing	Plating	Tab Housing			PCB Mounting Tab Header	
					Panel Type	Free Hanging Type	L Bracket bracket	Horizontal	Vertical type
2	Black	X	1-178128-2	Gold	1-179553-2	1-179552-2	S	1-179276-2	1-917337-2
				Gold				1-179276-3	1-917337-3
				Tin				1-179276-5	1-917337-5
	Black	Y	2-178128-2	Gold	2-179553-2	2-179552-2	S	2-179276-2	2-917337-2
				Gold				2-179276-3	2-917337-3
				Tin				-	2-917337-5
3	Black	X	1-178128-3	Gold	1-179553-3	1-179552-3	S	1-178138-2	1-178136-2
				Gold				1-178138-3	1-178136-3
				Tin				1-178138-5	1-178136-5
	Black	Y	2-178128-3	Gold	2-179553-3	2-179552-3	S	2-178138-2	2-178136-2
				Gold				2-178138-3	2-178136-3
				Tin				2-178138-5	2-178136-5
4	Black	X	1-178128-4	Gold	1-179553-4	1-179552-4	S	1-179277-2	1-917338-2
				Gold				1-179277-3	1-917338-3
				Tin				1-179277-5	1-917338-5
	Black	Y	2-178128-4	Gold	2-179553-4	2-179552-4	S	2-179277-2	2-917338-2
				Gold				2-179277-3	2-917338-3
				Tin				2-179277-5	2-917338-5
5	Black	X	1-178128-5	Gold	-	-	-	1-316130-2	1-316132-2
				Gold				1-316130-3	1-316132-3
				Tin				1-316130-5	1-316132-5
	Black	Y	2-178128-5	Gold	-	-	-	-	2-316132-2
				Gold				2-316130-3	2-316132-3
				Gold				1-316131-2	1-316133-2
Black	X	1-178128-6	Gold	-	-	-	1-316131-3	1-316133-3	
			Gold				1-316131-5	1-316133-5	
			Tin				1-316131-5	1-316133-5	
Black	Y	2-178128-6	Gold	-	-	-	2-316131-2	2-316133-2	
			Gold				-	2-316133-3	
			Gold				-	2-316133-3	

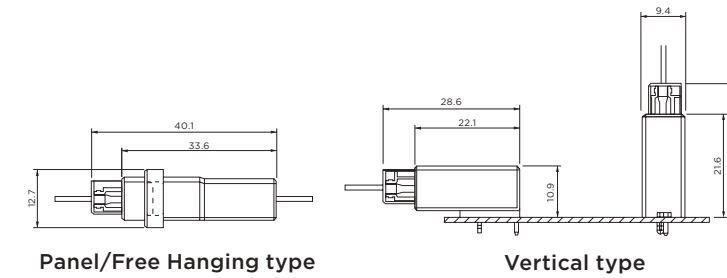
Related product information

Application Contact ...P.38
 Performance • Specifications ...P.35
 Accessories ...P.110, 112

NOTE: All products are RoHS compliant On selection.
 You need to confirm LOT and lead time

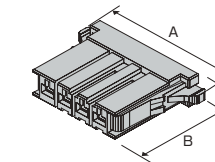
D-3200S 1 Row High Voltage Types

Mating Dimension



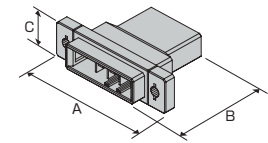
External Dimension

- Receptacle Housing



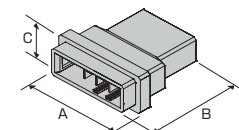
No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	-	Black	1-178128-2	24.6	22.8	7.2
	Y	-	Black	2-178128-2			
3	X	-	Black	1-178128-3	29.7	22.8	7.2
	Y	-	Black	2-178128-3			
	Z	-	Black	3-178128-3			
4	X	-	Black	1-178128-4	34.8	22.8	7.2
	Y	-	Black	2-178128-4			
5	X	-	Black	1-178128-5	39.9	22.8	7.2
	Y	-	Black	2-178128-5			
6	X	-	Black	1-178128-6	45.0	22.8	7.2
	Y	-	Black	2-178128-6			

- Tab Housing
Panel type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	-	Black	1-179553-2	36.8	33.6	12.7
	Y	-	Black	2-179553-2			
3	X	-	Black	1-179553-3	41.9	33.6	12.7
	Y	-	Black	2-179553-3			
4	X	-	Black	1-179553-4	47.0	33.6	12.7
	Y	-	Black	2-179553-4			

- Free Hanging type

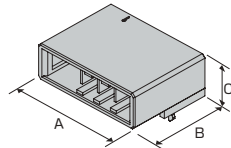


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	-	Black	1-179552-2	23.0	33.6	12.7
	Y	-	Black	2-179552-2			
3	X	-	Black	1-179552-3	28.1	33.6	12.7
	Y	-	Black	2-179552-3			
4	X	-	Black	1-179552-4	33.2	33.6	12.7
	Y	-	Black	2-179552-4			

NOTE: All products are RoHS compliant On selection.
 You need to confirm LOT and lead time

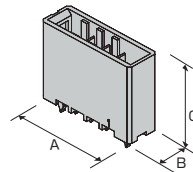
D-3200S 1 Row High Voltage Types

- PCB Mounting Tab Header
Horizontal type



No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	Gold	Black	1-179276-2	19.1	22.1	10.9
		Gold	Black	1-179276-3			
		Tin	Black	1-179276-5			
Y	Gold	Black	2-179276-2	19.1	22.1	10.9	
	Gold	Black	2-179276-3				
3	X	Gold	Black	1-178138-2	24.2	22.1	10.9
		Gold	Black	1-178138-3			
		Tin	Black	1-178138-5			
	Y	Gold	Black	2-178138-2			
		Gold	Black	2-178138-3			
		Tin	Black	2-178138-5			
4	X	Gold	Black	1-179277-2	29.2	22.1	10.9
		Gold	Black	1-179277-3			
	Y	Gold	Black	2-179277-2			
		Tin	Black	2-179277-5			
5	X	Gold	Black	1-316130-2	34.3	22.1	10.9
		Gold	Black	1-316130-3			
		Tin	Black	1-316130-5			
Y	Gold	Black	2-316130-3	34.3	22.1	10.9	
X	Gold	Black	1-316131-2				
	Gold	Black	1-316131-3				
Y	Tin	Black	1-316131-5	39.4	22.1	10.9	
	Gold	Black	2-316131-2				

- PCB Mounting Tab Header
Vertical type

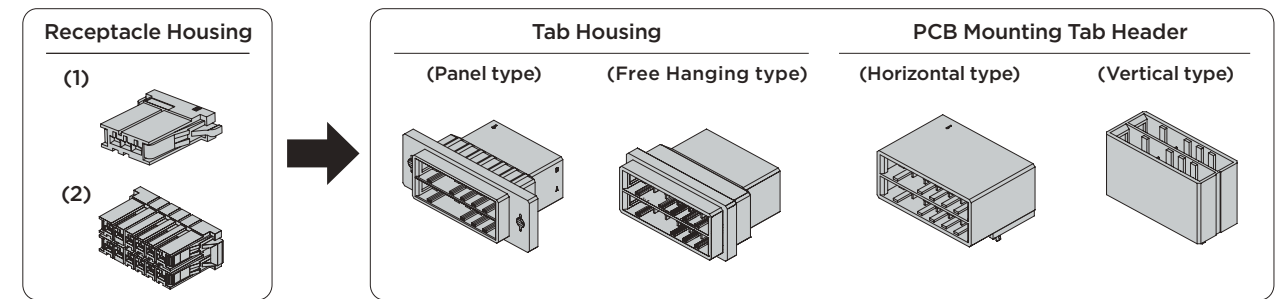


No. of Pos.	Keying	Plating	Color	Part Number	Dimensions		
					A	B	C
2	X	Gold	Black	1-917337-2	19.1	9.4	21.6
		Gold	Black	1-917337-3			
		Tin	Black	1-917337-5			
Y	Gold	Black	2-917337-2	19.1	9.4	21.6	
	Gold	Black	2-917337-3				
3	X	Gold	Black	1-178136-2	24.2	9.4	21.6
		Gold	Black	1-178136-3			
		Tin	Black	1-178136-5			
	Y	Gold	Black	2-178136-2			
		Gold	Black	2-178136-3			
		Tin	Black	2-178136-5			
4	X	Gold	Black	1-917338-2	29.2	9.4	21.6
		Gold	Black	1-917338-3			
	Y	Gold	Black	2-917338-2			
		Tin	Black	1-917338-5			
5	X	Gold	Black	1-316132-2	34.3	9.4	21.6
		Gold	Black	1-316132-3			
		Tin	Black	1-316132-5			
Y	Gold	Black	2-316132-2	34.3	9.4	21.6	
	Gold	Black	2-316132-3				
6	X	Gold	Black	1-316133-2	39.4	9.4	21.6
		Gold	Black	1-316133-3			
	Y	Gold	Black	2-316133-2			
		Gold	Black	2-316133-3			

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-3200M 2 Row High Voltage types

Part Number Chart



No. of Pos.	Color	Key	Receptacle Housing (2)	Plating	Tab Housing			PCB Mounting Tab Header			
					Panel Type	Free Hanging Type	L Bracket bracket	Horizontal type	Vertical type		
6	-	XX	1-178129-6	Gold	1-179555-3	1-179554-3	S	1-178139-2	1-178140-2		
				Gold			S	1-178139-3	1-178140-3		
				Tin			S	1-178139-5	1-178140-5		
	-	YY	2-178129-6	Gold	2-179555-3	2-179554-3	S	2-178139-2	2-178140-2		
				Gold			S	2-178139-3	2-178140-3		
				Tin			S	2-178139-5	2-178140-5		
	-	XY	3-178129-6	Gold	3-179555-3	3-179554-3	S	3-178139-2	3-178140-2		
				Gold			S	3-178139-3	3-178140-3		
				Tin			S	3-178139-5	3-178140-5		
-	YX	※(1)	Gold	-	-	-	4-178139-2	-			
			Gold	-	-	-	6-178139-5	-			
			Tin	-	-	-	-	-			
10	-	XX	1-917659-5	Gold	-	-	-	1-316080-2	1-917657-2		
				Gold			-	-	-	1-316080-3	1-917657-3
				Tin			-	-	-	1-316080-5	1-917657-5
	-	YY	2-917659-5	Gold	-	-	-	2-316080-2	2-917657-2		
				Gold			-	-	-	2-316080-3	2-917657-3
				Tin			-	-	-	2-316080-5	2-917657-5
	-	XY	3-917659-5	Gold	-	-	-	3-316080-2	3-917657-2		
				Gold			-	-	-	3-316080-3	3-917657-3
				Tin			-	-	-	3-316080-5	3-917657-5
12	-	XX	1-917659-6	Gold	1-179555-6	1-179554-6	L	1-316081-2	1-917658-2		
				Gold			L	1-316081-3	1-917658-3		
				Tin			L	1-316081-5	1-917658-5		
	-	YY	2-917659-6	Gold	2-179555-6	-	L	2-316081-2	2-917658-2		
				Gold			L	2-316081-3	2-917658-3		
				Tin			L	2-316081-5	2-917658-5		
	-	XY	3-917659-6	Gold	3-179555-6	3-179554-6	L	3-316081-2	3-917658-2		
				Gold			L	3-316081-3	3-917658-3		
				Tin			-	-	-	-	
20	-	XX	1-917659-8	-	1-179555-8	-	-	-			

Related product information

Application Contact ...P.38
 Performance • Specifications ...P.35
 Accessories ...P.110, 112
 For (1) D-3200S please see P. 47
 Receptacle housing 1-178128-3
 3-178128-3 used

NOTE: All products are RoHS compliant On selection. You need to confirm LOT and lead time

D-3000 Series

D-3000 Series