



D SUBMINIATURE CONNECTOR J SERIES

Solder pot plug and socket

SOLDER POT PLUG AND SOCKET



Solder pot plug



Solder pot socket

Features

- The socket contacts are formed by high-speed stamping presses to obtain the advantages of cold working. They are therefore highly elastic, which in turn ensures reliable connection even after many mating cycles.
- The dimples in the plug shell ensure continuity between it and the socket shell, thus providing complete shielding.
- Costs are kept low by selective gold plating the contacts.
- The solder cup portions of the contacts are tin-plated for easy soldering.
- Insulator housings are made of a heat-resistant glass-filled PBT resin.

Standards

Recognized E60389 Certified LR20812

* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

* Contact JST for details.

* Compliant with RoHS.

D SUBMINIATURE CONNECTOR J SERIES

Specifications

Materials

Connector	Part name	Material and Finish
Plug	Contact	Brass, gold-plated product: Nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment) tin-plated product: Copper-undercoated, tin-plated (reflow treatment)
	Insulator	Glass-filled PBT, UL94V-0, black
	Shell	Steel, copper-undercoated, nickel-plated
Socket	Contact	Phosphor bronze, gold-plated product: Nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment) tin-plated product: Copper-undercoated, tin-plated (reflow treatment)
	Insulator	Glass-filled PBT, UL94V-0, black
	Shell	Steel, copper-undercoated, nickel-plated

Characteristics

Current rating	3 A AC, DC (2 A for 37 circuits)
Voltage rating	250 V AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value/ 15 mΩ max. After environmental tests/ 30 mΩ max.
Insulation resistance	5,000 MΩ min.
Withstanding voltage	1,000 VAC/minute

Note: Contact JST for details.

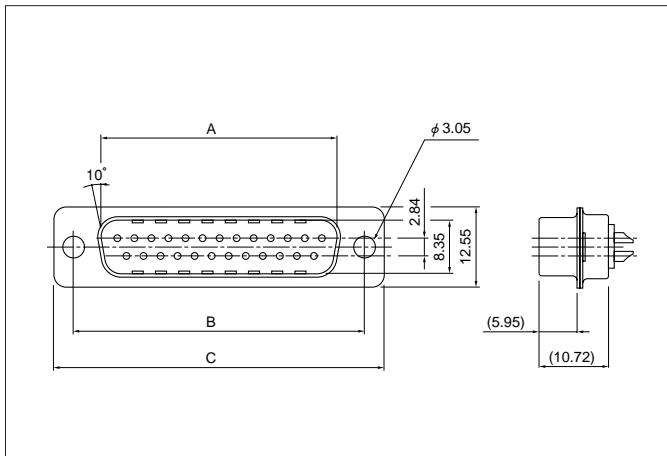
Model number identification

J E Z - 9 P - 12 - 3

- Series name
- Shell size: E, A, B, C
- Wire connection style: Z ... Solder pot type
- Number of circuits: 9, 15, 25, 37
- Connector type: P ... Plug, S ... Socket
- Finish
 - Blank ... Gold-plated (flash) 12 ... 0.2 micron gold-plated
 - 13 ... 0.4 micron gold-plated 14 ... 0.76 micron gold-plated
 - 90 ... Tin-plated (reflow treatment)
- Plating specification of shell: 3 ... Copper-undercoated, nickel-plated

Note: 1. The relationship between number of circuits and shell size is shown below.
9: E, 15: A, 25: B, 37: C
2. Contact JST for special plating requirements.

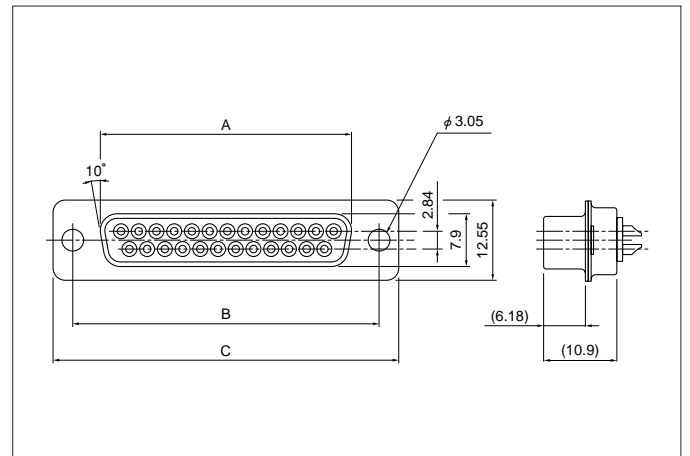
Plug



Circuits	Model No.		Dimensions (mm)			Q'ty/box
	Gold-plated	Tin-plated	A	B	C	
9	JEZ-9P-3	JEZ-9P-90-3	16.92	24.99	30.80	100
15	JAZ-15P-3	—	25.25	33.32	39.14	100
25	JBZ-25P-3	JBZ-25P-90-3	38.97	47.04	53.04	50
37	JCZ-37P-3	JCZ-37P-90-3	55.43	63.50	69.32	50

RoHS compliance Gold-plated products display (LF)(SN) on a label.

Socket



Circuits	Model No.		Dimensions (mm)			Q'ty/box
	Gold-plated	Tin-plated	A	B	C	
9	JEZ-9S-3	JEZ-9S-90-3	16.34	24.99	30.80	100
15	JAZ-15S-3	JAZ-15S-90-3	24.67	33.33	39.14	100
25	JBZ-25S-3	JBZ-25S-90-3	38.38	47.04	53.04	50
37	JCZ-37S-3	JCZ-37S-90-3	54.84	63.50	69.32	50

RoHS compliance Gold-plated products display (LF)(SN) on a label.



D SUBMINIATURE CONNECTOR J SERIES

Right angle through-hole plug and socket

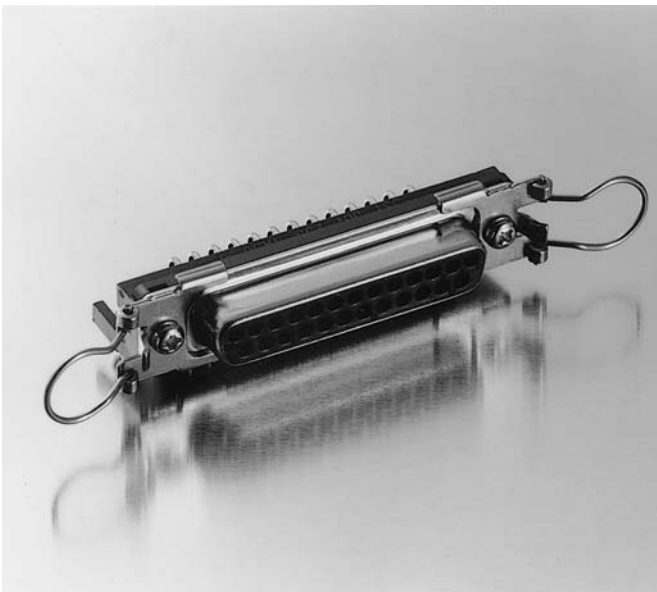
RIGHT ANGLE THROUGH-HOLE PLUG AND SOCKET



Right angle through-hole plug
(with hexagonal lock screw blocks)



Right angle through-hole socket
(with rectangular lock screw blocks)



Right angle through-hole socket
(with bail lock)

Features

- The socket contacts are made by high-speed stamping presses. This promotes the uniform elasticity of the twin-contact mating sections and therefore ensures reliable contact even after repeated mating cycles. The solder tails are U-shaped for extra strength.
- Costs are minimized by selective gold plating, high speed stamping presses, and completely automated assembly.
- To ensure complete shielding, a wide variety of grounding adapters are available so that the sockets can be grounded to different kinds of supporting structures.
- Metric, inch or other lock screw blocks are available for fastening mating plugs.

D SUBMINIATURE CONNECTOR J SERIES

Specifications

Materials

Part name		Material and Finish
Contact	Plug	Brass, gold-plated product: Nickel-undercoated, Mating part: gold-plated Solder tail; tin-plated (reflow treatment) tin-plated product: Copper-undercoated, tin-plated (reflow treatment)
	Socket	Phosphor bronze, gold-plated product: Nickel-undercoated, Mating part: gold-plated Solder tail; tin-plated (reflow treatment) tin-plated product: Copper-undercoated, tin-plated (reflow treatment)
Insulator		Glass-filled PBT, UL94V-0, black
Shell		Steel, copper-undercoated, nickel-plated
Hexagonal lock screw block		Steel, copper-undercoated, nickel-plated
Rectangular lock screw block		Zinc, copper-undercoated, nickel-plated
Grounding adapter having a 3.2 mm dia. hole		Steel, copper-undercoated, nickel-plated
Grounding adapter having an M3 tapped hole		
Grounding adapter having a spring lock lever		
Spring lock	Bail lock	Stainless steel
	Accepts bail lock	

Characteristics

Current rating	3 A AC, DC (2 A AC, DC for 37 circuits)
Voltage rating	250 V AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value/ 15 mΩ max. After environmental tests/ 30 mΩ max.
Insulation resistance	5,000 MΩ min.
Withstanding voltage	1,000 VAC/minute
Applicable PC board thickness	1.6 mm

Note: Contact JST for details.

Standards

Recognized E60389 Certified LR20812

- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.
- * Compliant with RoHS.







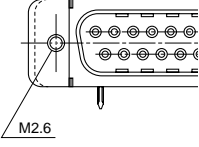
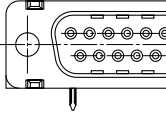
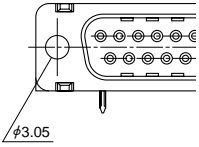
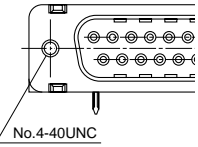
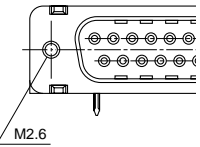
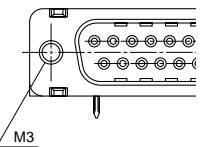
Model number identification

	J	E	Y	-	9	S	-	1A	3	A	12	S1
• Series name												
• Shell size: E, A, B, C												
• Wire connection style: Y... Right angle through-hole style												
• Number of circuits: 9, 15, 25, 37												
• Connector type: P ... Plug, S ... Socket												
• Connector construction/Dimensions: Standard J series												
• Types of grounding adapters: 0 ... Without grounding adapters												
1 ... With grounding adapters having a 3.2 mm dia. hole												
2 ... With grounding adapters having an M3 thread												
3 ... With grounding adapters having a spring lock device (1)												
4 ... With grounding adapters having a spring lock device (2)												
• Types of lock screw blocks: A ... With hexagonal lock screw blocks having a No. 4-40UNC inch thread												
B ... With hexagonal lock screw blocks having an M2.6 thread												
C ... With rectangular lock screw blocks having an M2.6 thread												
D ... Without lock screw blocks												
E ... Without lock screw blocks, but with grounding adapters having a 3.05 mm dia. hole												
F ... Without lock screw blocks, but with grounding adapters having a No. 4-40UNC inch thread												
G ... Without lock screw blocks, but with grounding adapters having an M2.6 thread												
H ... Without lock screw blocks, but with grounding adapters having an M3 thread												
• Finish: Blank ... Gold-plated (flash)												
12 ... 0.2 micron gold-plated												
13 ... 0.4 micron gold-plated												
14 ... 0.76 micron gold-plated												
90 ... Tin-plated (reflow treatment)												
• Bail locks: Blank...Without bail locks												
S or S1...With bail locks												
S2...With bail locks (with addition of spring characteristic)												
Note: 1. The relationship between number of circuits and shell size is shown below.												
9: E, 15: A, 25: B, 37: C												
2. Contact JST for special plating requirements.												
3. Contact JST for the Socket with bail locks. (Not UL/CSA approved.)												

D SUBMINIATURE CONNECTOR J SERIES

Right angle through-hole plug		Type A	Type B																																											
<p>H: Height of the lock screw block (for Types A, B & C)</p> <table border="1"> <thead> <tr> <th rowspan="2">Circuits</th> <th colspan="2">Model No.</th> <th colspan="5">Dimensions (mm)</th> <th rowspan="2">Q'ty/ box</th> </tr> <tr> <th>Gold-plated plug</th> <th>Tin-plated plug</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>JEY-9P-1A**</td> <td>JEY-9P-1A**90</td> <td>16.90</td> <td>24.99</td> <td>30.80</td> <td>8.1</td> <td>9.52</td> <td>100</td> </tr> <tr> <td>15</td> <td>JAY-15P-1A**</td> <td>JAY-15P-1A**90</td> <td>25.25</td> <td>33.33</td> <td>39.14</td> <td>8.1</td> <td>9.52</td> <td>100</td> </tr> <tr> <td>25</td> <td>JBYP-25P-1A**</td> <td>JBYP-25P-1A**90</td> <td>38.97</td> <td>47.04</td> <td>53.00</td> <td>8.2</td> <td>9.62</td> <td>50</td> </tr> </tbody> </table> <p><Gold-plated product> RoHS compliance This product displays (LF)(SN) on a label. <Tin-plated product> *1, 2, 3 ... RoHS compliance *4, 5 ... RoHS compliance This product displays (LF) on a label. Note: ** shows the location where a two-digit code (see the table below for codes) should be entered. For example, if a 9-circuit gold-plated (flash) plug with hexagonal lock screw blocks having a No.4-40UNC inch thread and without grounding adapters is required, specify the model number as JEY-9P-1A0A.</p>		Circuits	Model No.		Dimensions (mm)					Q'ty/ box	Gold-plated plug	Tin-plated plug	A	B	C	D	E	9	JEY-9P-1A**	JEY-9P-1A**90	16.90	24.99	30.80	8.1	9.52	100	15	JAY-15P-1A**	JAY-15P-1A**90	25.25	33.33	39.14	8.1	9.52	100	25	JBYP-25P-1A**	JBYP-25P-1A**90	38.97	47.04	53.00	8.2	9.62	50	<p>With hexagonal lock screw blocks (H: 6.3 mm) having a No.4-40UNC inch thread</p>	<p>With hexagonal lock screw blocks (H: 6.3 mm) having an M2.6 thread</p>
Circuits	Model No.		Dimensions (mm)					Q'ty/ box																																						
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*3 With grounding adapters with an M3 thread		2A	2B																																											
*4 With grounding adapters with a spring lock device (1)		3A	3B																																											
*5 With grounding adapters with a spring lock device (2)		—	—																																											







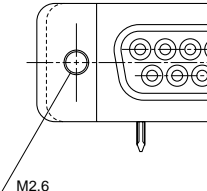
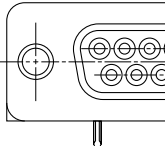
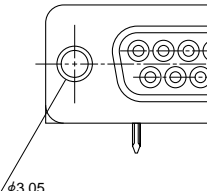
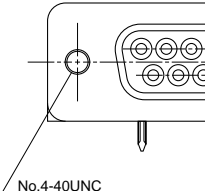
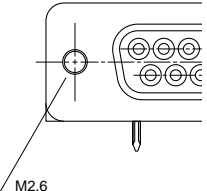
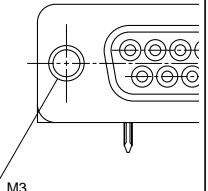
D SUBMINIATURE CONNECTOR J SERIES

Type C	Type D	Type E	Type F	Type G	Type H
					
With rectangular lock screw blocks (H: 6.2 mm) having an M2.6 thread	Without lock screw blocks	Without lock screw blocks E: Grounding adapter has no thread. F, G, H: Grounding adapters have a thread (*1) for securing separately-purchased lock screw blocks (*2)			
		Use a lock screw block of Model number JFS-()S-C1N.	*1: No.4-40UNC inch thread *2: Model number JFS-4S-()1W(M)	*1: M2.6 thread *2: Model number JFS-2.6S-()1W(M)	*1: M3 thread *2: Model number JFS-3S-()1W(M)
					
0C	0D	—	—	—	—
1C	1D	—	1F	1G	—
2C	2D	2E	2F	2G	—
3C	3D	3E	3F	3G	—
—	—	—	—	—	4H

D SUBMINIATURE CONNECTOR J SERIES

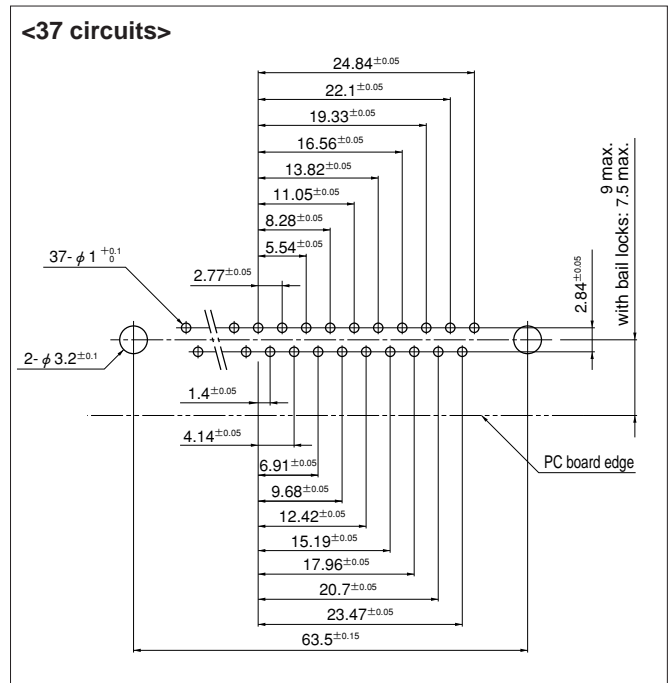
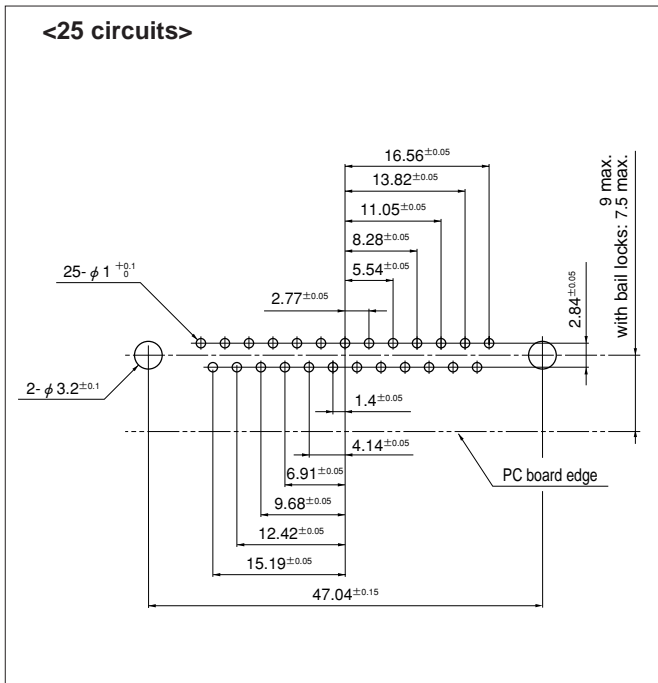
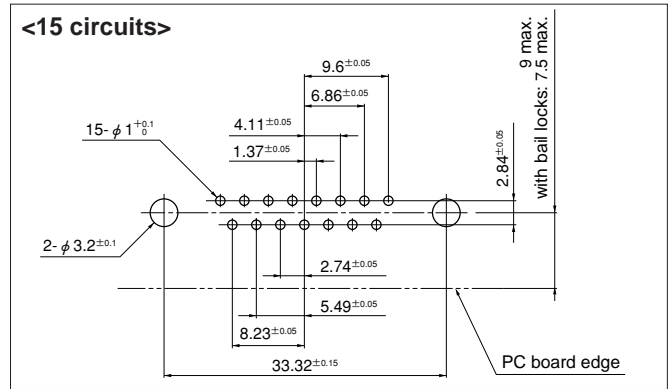
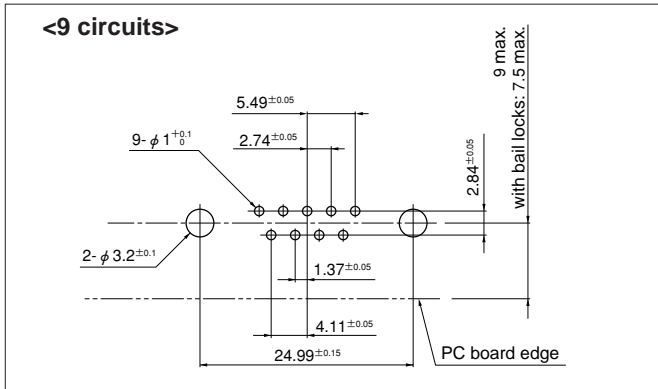
Right angle through-hole socket		Type A	Type B																																																				
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Circuits	Model No.		Dimensions (mm)					Q'ty/ box																																															
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D SUBMINIATURE CONNECTOR J SERIES

Type C	Type D	Type E	Type F	Type G	Type H
					
With rectangular lock screw blocks (H: 6.2 mm) having an M2.6 thread	Without lock screw blocks	Without lock screw blocks E: Grounding adapter has no thread. F, G, H: Grounding adapters have a thread (*1) for securing separately-purchased lock screw blocks (*2)			
		Used a lock screw block [model number JFS-()S-C1N]	*1: No.4-40UNC inch thread *2: Model number JFS-4S-()1W(M)	*1: M2.6 thread *2: Model number JFS-2.6S-()1W(M)	*1: M3 thread *2: Model number JFS-3S-()1W(M)
					
0C	0D	—	—	—	—
1C	1D	1E	1F	1G	—
2C	2D	2E	2F	2G	—
3C	3D	3E	3F	3G	—
—	—	—	—	—	4H

D SUBMINIATURE CONNECTOR J SERIES

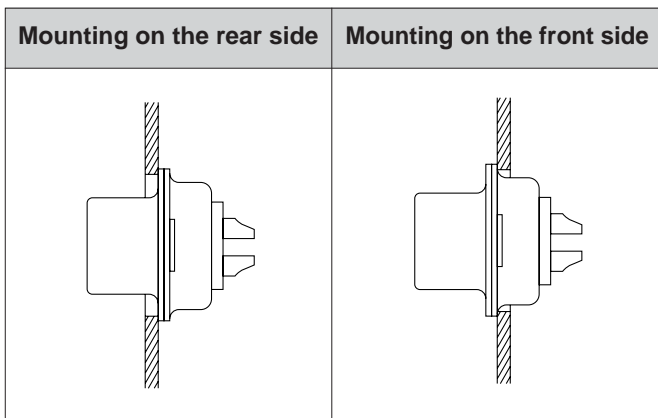
PC board layout (viewed from component side)



Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.

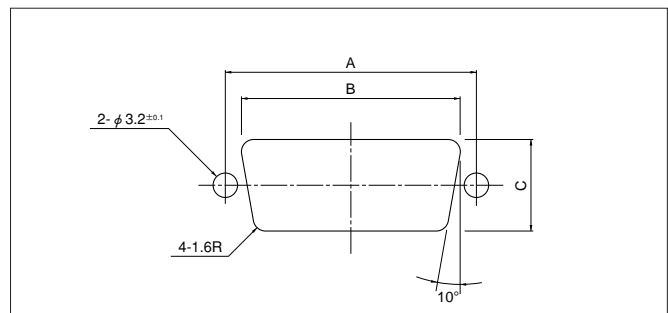
2. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Panel layout



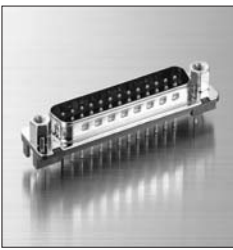
The connector can be mounted either on the front side or on the rear side of the panel as shown above.

Use M2.5 or M2.6 screws for installation.



Circuits	A ± 0.15	B ± 0.2	C ± 0.2
9	24.99	20.6	12.0
15	33.32	28.8	12.0
25	47.04	42.6	12.0
37	63.50	59.0	12.0

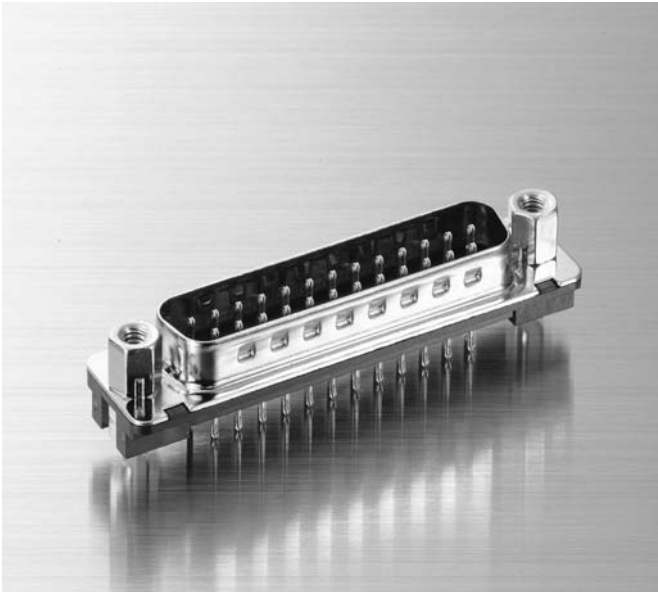
Note: The dimensions above should serve as a guideline. Contact JST for details.



D SUBMINIATURE CONNECTOR J SERIES

Straight through-hole plug and socket

STRAIGHT THROUGH-HOLE PLUG AND SOCKET



Straight through-hole plug
(with hexagonal lock screw blocks)



Straight through-hole socket (without lock screw blocks, but with
grounding adapters having a No.4-40UNC inch thread)

Features

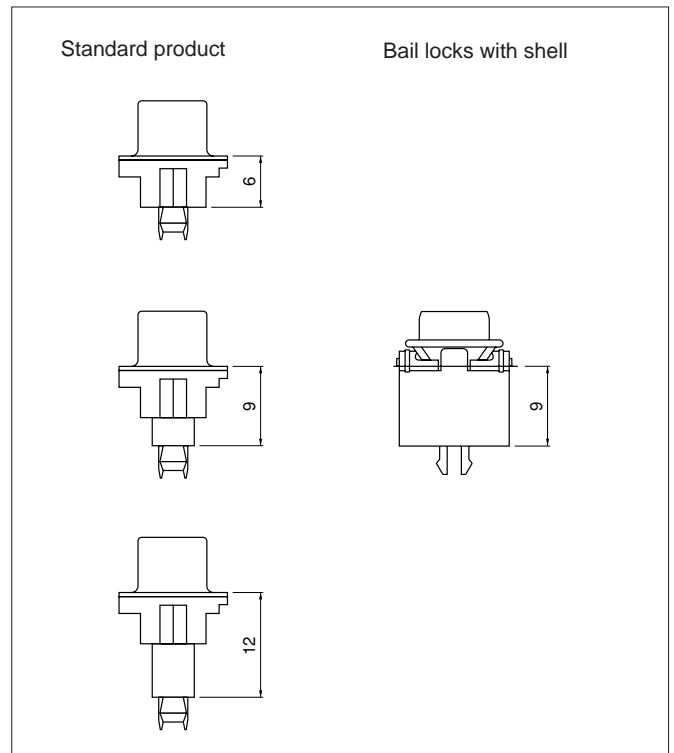
- Three standard types are available with different dimensions between the flange and solder tail: 6 mm, 9 mm, and 12 mm.
- The roots of the contact leads are covered to prevent flux from rising into the connector during soldering.
- A grounding adapter with a spring lock device allows the connector to be temporarily secured onto the printed circuit board so that the connector can be soldered easily.

Standards

 Recognized E60389

 Certified LR20812

- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.
- * Compliant with RoHS.



D SUBMINIATURE CONNECTOR J SERIES

Specifications

Materials

Part name		Material and Finish
Contact	Plug	Brass, gold-plated product: Nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment)
	Socket	Phosphor bronze, gold-plated product: Nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment)
Insulator		Glass-filled PBT, UL94V-0, black
Shell		Steel, copper-undercoated, nickel-plated
Hexagonal lock screw block		Steel, copper-undercoated, nickel-plated
Grounding adapter with spring lock device	Cutting product	Brass, nickel-undercoated, tin/copper alloy-plated
	Stamping product	Brass, tin-plated (reflow treatment)
Spring lock	Bail lock	Stainless steel
	Accepts bail lock	

Characteristics

Current rating	3 A AC, DC
Voltage rating	250 V AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value/ 15 mΩ max. After environmental tests/ 30 mΩ max.
Insulation resistance	5,000 MΩ min.
Withstanding voltage	1,000 VAC/minute
Applicable PC board thickness	1.6 mm



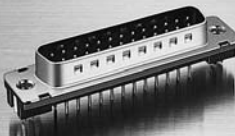


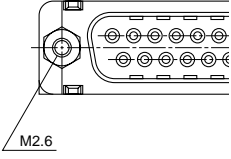
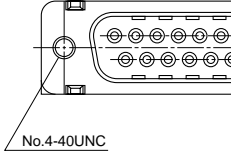
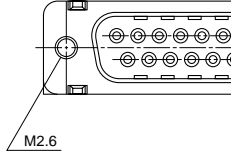
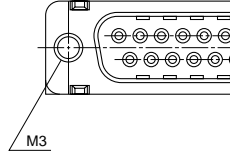
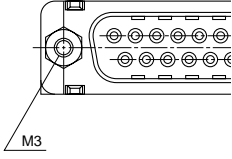
Note: Contact JST for details.

Straight through-hole plug		Type A						
		<p>With hexagonal lock screw blocks(H: 6.3 mm) having a No.4-40UNC inch thread</p>						
<p>H: Height of the lock screw block (for Types A, B & J)</p>								
Circuits	Dimension between flange and solder tail (mm)	Model No.		Dimensions (mm)				Q'ty/box
		Gold-plated (flash) Plug	Gold-plated 0.76 micron	A	B	C	D	
9	6	JES-9P-2A**	JES-9P-2A**14	16.90	24.99	30.8	2.4	100
	9	JES-9P-3A**	JES-9P-3A**14					
	12	JES-9P-4A**	JES-9P-4A**14					
25	6	JBS-25P-2A**	JBS-25P-2A**14	38.97	47.04	53.0	2.5	50
	9	JBS-25P-3A**	JBS-25P-3A**14					
	12	JBS-25P-4A**	JBS-25P-4A**14					
<p>RoHS compliance This product displays (LF)(SN) A on a label. Note: ** shows the location where a two-digit code (see the table below for codes) should be entered. For example, if a 9-circuit gold-plated (flash) plug with hexagonal lock screw blocks having a No. 4-40UNC inch thread and with grounding adapters whose dimension between flange and solder tail is 6 mm is required, specify the model number as JES-9P-3A3A.</p>								
With grounding adapters with a spring lock device		6 mm type	9 mm type	12 mm type				
					3A			

D SUBMINIATURE CONNECTOR J SERIES

Model number identification

	J B S - 25 P - 2A 3 F 14 S1
<ul style="list-style-type: none"> • Series name • Shell size: B, E • Wire connection type: S ... Straight through-hole type • Number of circuits: 9, 25 • Connector type: P ... Plug, S ... Socket • Connector construction/ dimensions: 2A ... 6 mm from flange to solder tail, 3A ... 9 mm from flange to solder tail, 4A ... 12 mm from flange to solder tail • Types of grounding adapter: 3 ... Grounding adapter with a spring lock device (Cutting product), 7 ... Grounding adapter with a spring lock device (Stamping product) • Types of lock screw block: A ... With hexagonal lock screw blocks having a No. 4-40UNC inch thread B ... With hexagonal lock screw blocks having an M2.6 thread F ... Without lock screw blocks, but with grounding adapters having an No.4-40UNC inch thread G ... Without lock screw blocks, but with grounding adapters having an M2.6 thread H ... Without lock screw blocks, but with grounding adapters having an M3 thread J ... With hexagonal lock screw blocks having an M3 thread K ... Without lock screw blocks, spring lock (Bail lock) with shell • Finish of mating part Blank ... Gold-plated (flash) 12 ... 0.2 micron gold-plated 13 ... 0.4 micron gold-plated 14 ... 0.76 micron gold-plated 90 ... Tin-plated (reflow treatment) • Bail locks Blank...Without bail locks, S or S1...With bail locks (bent oval type), S2...With bail locks (with addition of spring characteristic, bent oval type), S3...With bail locks (with addition of spring characteristic, straight rhombic type), S4...With bail locks (with addition of spring characteristic, rhombic type) S5...With bail locks (with addition of spring characteristic, straight oval type), S6...With bail locks (with addition of spring characteristic, parallel oval type with shell) 	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 2px;"></div> </div>
<p><i>Note: 1. In the J Series, the number of circuits is determined by the shell size: 9 circuits for E and 25 circuits for B.</i></p> <p><i>2. Contact JST for special plating requirements.</i></p> <p><i>3. Contact JST for the dimensions between the flange and solder tail other than those listed above.</i></p> <p><i>4. Grounding adapters that can secure printed circuit boards are also available.</i></p> <p><i>5. Contact JST for the Receptacle with spring lock devices. (Not UL/CSA approved.)</i></p>	

Type B	Type F	Type G	Type H	Type J
				
With hexagonal lock screw blocks (H: 6.3 mm) having an M2.6 thread	Without lock screw blocks F, G, H: Grounding adapters have a thread (*1) for securing separately-purchased lock screw blocks (*2)			With hexagonal lock screw blocks (H: 6.3 mm) having an M3 thread
	*1: No.4-40UNC inch thread *2: Model number SFS-4S-()1W(M)	*1: M2.6 thread *2: Model number SFS-2.6S-()1W(M)	*1: M3 thread *2: Model number SFS-3S-()1W(M)	
				
3B	3F	3G	3H	3J

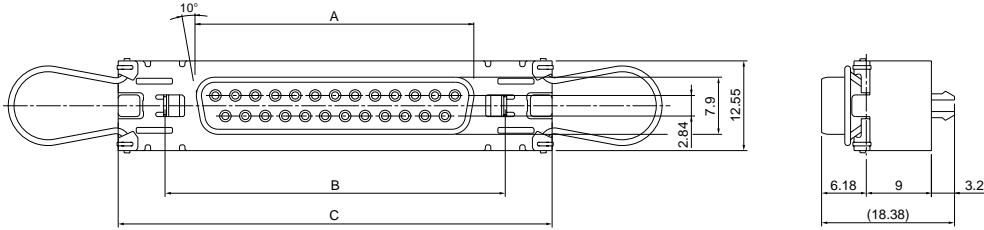
D SUBMINIATURE CONNECTOR J SERIES

Straight through-hole socket / Standard product		Type A																																																							
		<p>With hexagonal lock screw blocks (H:6.3 mm) having a No.4-40UNC inch thread</p>																																																							
<p>H: Height of the lock screw block (for Types A, B & J)</p> <table border="1"> <thead> <tr> <th rowspan="2">Circuits</th> <th rowspan="2">Dimension between flange and solder tail (mm)</th> <th colspan="3">Model No.</th> <th colspan="4">Dimensions (mm)</th> <th rowspan="2">Q'ty/box</th> </tr> <tr> <th>Gold-plated (flash) socket</th> <th>Gold-plated 0.76 micron</th> <th>Tin-plated</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td rowspan="3">9</td> <td>6</td> <td>JES-9S-2A**</td> <td>JES-9S-2A**14</td> <td>—</td> <td rowspan="3">16.34</td> <td rowspan="3">24.99</td> <td rowspan="3">30.8</td> <td rowspan="3">2.4</td> <td rowspan="3">100</td> </tr> <tr> <td>9</td> <td>JES-9S-3A**</td> <td>JES-9S-3A**14</td> <td>—</td> </tr> <tr> <td>12</td> <td>JES-9S-4A**</td> <td>JES-9S-4A**14</td> <td>—</td> </tr> <tr> <td rowspan="3">25</td> <td>6</td> <td>JBS-25S-2A**</td> <td>JBS-25S-2A**14</td> <td>JBS-25S-2A**90</td> <td rowspan="3">38.38</td> <td rowspan="3">47.04</td> <td rowspan="3">53.0</td> <td rowspan="3">2.5</td> <td rowspan="3">50</td> </tr> <tr> <td>9</td> <td>JBS-25S-3A**</td> <td>JBS-25S-3A**14</td> <td>JBS-25S-3A**90</td> </tr> <tr> <td>12</td> <td>JBS-25S-4A**</td> <td>JBS-25S-4A**14</td> <td>—</td> </tr> </tbody> </table> <p><Gold-plated product> RoHS compliance This product displays (LF)(SN) A on a label. <Tin-plated product> RoHS compliance This product displays (LF) A on a label. Note: ** shows the location where a two-digit code (see the table below for codes) should be entered. For example, if a 9-circuit gold-plated (flash) socket with hexagonal lock screw blocks having a No. 4-40UNC inch thread and with grounding adapters whose dimension between flange and solder tail is 6 mm is required, specify the model number as JES-9S-3A3A.</p>					Circuits	Dimension between flange and solder tail (mm)	Model No.			Dimensions (mm)				Q'ty/box	Gold-plated (flash) socket	Gold-plated 0.76 micron	Tin-plated	A	B	C	D	9	6	JES-9S-2A**	JES-9S-2A**14	—	16.34	24.99	30.8	2.4	100	9	JES-9S-3A**	JES-9S-3A**14	—	12	JES-9S-4A**	JES-9S-4A**14	—	25	6	JBS-25S-2A**	JBS-25S-2A**14	JBS-25S-2A**90	38.38	47.04	53.0	2.5	50	9	JBS-25S-3A**	JBS-25S-3A**14	JBS-25S-3A**90	12	JBS-25S-4A**	JBS-25S-4A**14	—
Circuits	Dimension between flange and solder tail (mm)	Model No.					Dimensions (mm)				Q'ty/box																																														
		Gold-plated (flash) socket	Gold-plated 0.76 micron	Tin-plated	A	B	C	D																																																	
9	6	JES-9S-2A**	JES-9S-2A**14	—	16.34	24.99	30.8	2.4	100																																																
	9	JES-9S-3A**	JES-9S-3A**14	—																																																					
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25	6	JBS-25S-2A**	JBS-25S-2A**14	JBS-25S-2A**90	38.38	47.04	53.0	2.5	50																																																
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<p>With grounding adapters with a spring lock device</p>					<p>3A</p>																																																				
Type B	Type F	Type G	Type H	Type J																																																					
<p>With hexagonal lock screw blocks (H: 6.3 mm) having an M2.6 thread</p>	<p>Without lock screw blocks F, G, H: Grounding adapters have a thread (*1) for securing separately-purchased lock screw blocks (*2)</p>		<p>With hexagonal lock screw blocks (H: 6.3 mm) having an M3 thread</p>																																																						
	<p>*1: No.4-40UNC inch thread *2: Model number SFS-4S-()1W(M)</p>		<p>*1: M2.6 thread *2: Model number SFS-2.6S-()1W(M)</p>																																																						
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<p>3B</p>	<p>3F</p>		<p>3H Note: JBS-25S-2A3H is excluded.</p>																																																						
		<p>3G</p>	<p>3J</p>																																																						

D SUBMINIATURE CONNECTOR J SERIES

Straight through-hole socket / Bail locks with shell

Type K



Circuits	Dimension between flange and solder tail (mm)	Model No.	Dimensions (mm)			Q'ty/box
		Gold-plated (flash) Socket	A	B	C	
9	9	JES-9S-3A7KS6	16.34	24.99	38	180
25	9	JBS-25S-3A7KS6	38.38	47.04	60	108

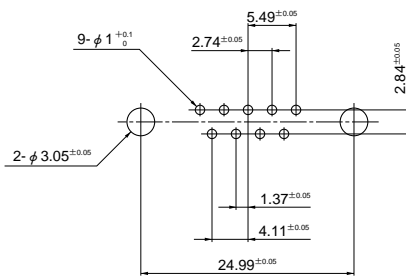
With grounding adapters with a spring lock device

9 mm type

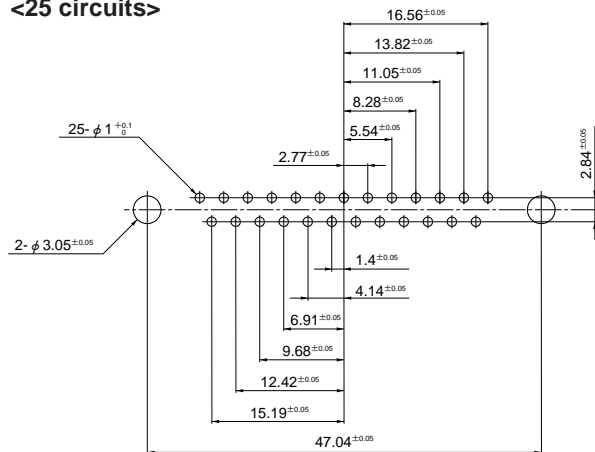


PC board layout (viewed from component side)

<9 circuits>



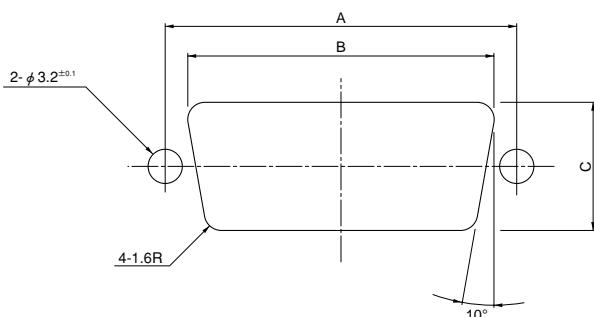
<25 circuits>



Note: 1. Tolerances are non-cumulative; ± 0.05 mm for all centers.

2. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Panel layout



Circuits	A ± 0.15	B ± 0.2	C ± 0.2
9	24.99	20.6	12.0
25	47.04	42.6	12.0

Note: The dimensions above should serve as a guideline. Contact JST for details.



D SUBMINIATURE CONNECTOR J SERIES

Crimp style plug and socket

CRIMP STYLE PLUG AND SOCKET



Features

- The contacts of this plug are formed by high-speed stamping presses into continuous strips that can be automatically fed into our compact crimping machines. Much less time is required to assemble CRT and RS-232C round cables using this plug than when soldering connections.
- The contacts in this connector are selectively gold-plated. Moreover, JST's advanced technological knowledge and

experience are fully utilized to significantly reduce production costs.

- The dimples in the connector shell provide the ground connection and are important factors in preventing electromagnetic interference. The contact has a lance that can be visually checked during assembly. This assures accurate assembly and reduces defects.

Specifications

Materials

Connector	Part name	Material and Finish
Plug	Contact	Brass, gold-plated product: Nickel-undercoated, Mating part; gold-plated Crimping part; tin-plated (reflow treatment) tin-plated product: tin-plated (reflow treatment)
	Insulator	Glass-filled PBT, UL94V-0, black
	Shell	Steel, copper-undercoated, nickel-plated
Socket	Contact	Phosphor bronze, Nickel-undercoated, Mating part; gold-plated Crimping part; tin-plated (reflow treatment)
	Insulator	Glass-filled PBT, UL94V-0, black
	Shell	Steel, copper-undercoated, nickel-plated

Characteristics

Current rating	3 A AC, DC (2 A for 37 circuits)(AWG #20)
Voltage rating	250 V AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value/ 15 mΩ max. After environmental tests/ 30 mΩ max.
Insulation resistance	5,000 MΩ min.
Withstanding voltage	1,000 VAC/minute

Note: Contact JST for details.

Model number identification

Contact

J - S P 2 1 40

- Series name
- Product shape: S ... Chain
- Type of contact: P ... Pin contact, S ... Socket contact
- Applicable wire: 1 ... AWG #24 to #20, 2 ... AWG #28 to #24
- Material: 1 ... Brass (Pin contact), 3 ... Phosphor bronze (Socket contact)
- Finish: 40 ... Gold-plated (flash), 42 ... 0.2 micron gold-plated,
43 ... 0.4 micron gold-plated, 44 ... 0.76 micron gold-plated,
90 ... Tin-plated (reflow treatment)

Note: Contact JST for special plating requirements.

Housing

J - E C - 9 P - 3

- Series name
- Shell size: E, A, B, C
- Wire connection style: C ... crimp style
- Number of circuits: 9, 15, 25, 37
- Connector type: P ... Plug, S ... Socket
- Plating specification of shell: 3 ... nickel-plated

Note: The relationship between number of circuits and shell size is shown below.

9: E, 15: A, 25: B, 37: C

Standards

UL Recognized E60389

RoHS Certified LR20812

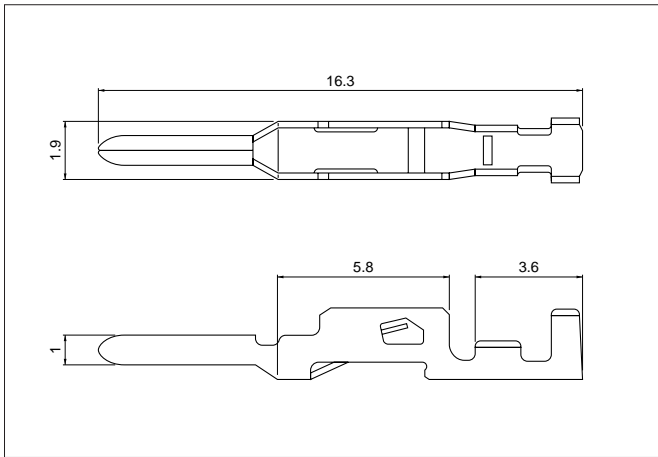
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

* Contact JST for details.

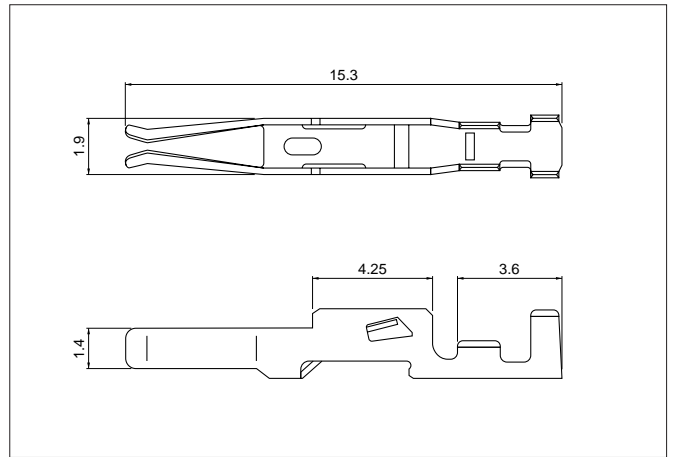
* Compliant with RoHS.

D SUBMINIATURE CONNECTOR J SERIES

Pin contact (for plug housing)



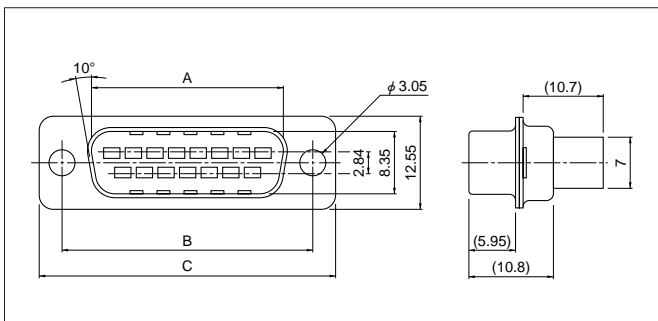
Socket contact (for socket housing)



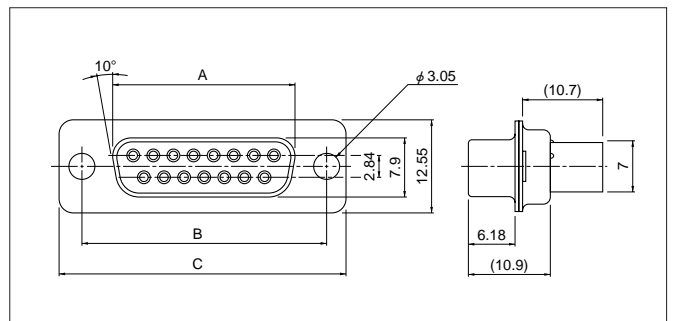
Model No.		Applicable wire		Q'ty/reel
Pin contact	Socket contact	AWG #	Insulation O.D. (mm)	
Gold-plated	Tin-plated	Gold-plated		10,000
J-SP1140	J-SP1190	J-SS1340	# 24~# 20	
J-SP2140	J-SP2190	J-SS2340	# 28~# 24	
			1.1~1.8	
			0.9~1.3	

RoHS compliance Gold-plated products display (LF)(SN) on a label.

Plug housing



Socket housing



Circuits	Model No.	Dimensions (mm)			Q'ty/box
		A	B	C	
9	JEC-9P-3	16.92	24.99	30.80	100
15	JAC-15P-3	25.25	33.32	39.14	100
25	JBC-25P-3	38.97	47.04	53.04	50
37	JCC-37P-3	55.43	63.50	69.32	50

RoHS compliance

Circuits	Model No.	Dimensions (mm)			Q'ty/box
		A	B	C	
9	JEC-9S-3	16.34	24.99	30.80	100
15	JAC-15S-3	24.67	33.33	39.14	100
25	JBC-25S-3	38.38	47.04	53.04	50

RoHS compliance

Crimping machine, Applicator

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
J-SP1***	AP-K2N	MKS-L	MK/J-SP/SS1	APLMK J-SP/SS1
		*MKS-SC	SC/J-SP/SS1	APLSC J-SP/SS1
J-SS1***		MKS-L	MK/J-SP/SS1	APLMK J-SP/SS1
		*MKS-SC	SC/J-SP/SS1	APLSC J-SP/SS1
J-SP2***		MKS-L	MK/J-SP/SS2	APLMK J-SP/SS2
		*MKS-SC	SC/J-SP/SS2	APLSC J-SP/SS2
J-SS2***		MKS-L	MK/J-SP/SS2	APLMK J-SP/SS2
		*MKS-SC	SC/J-SP/SS2	APLSC J-SP/SS2

Note: *Strip-crimp applicator