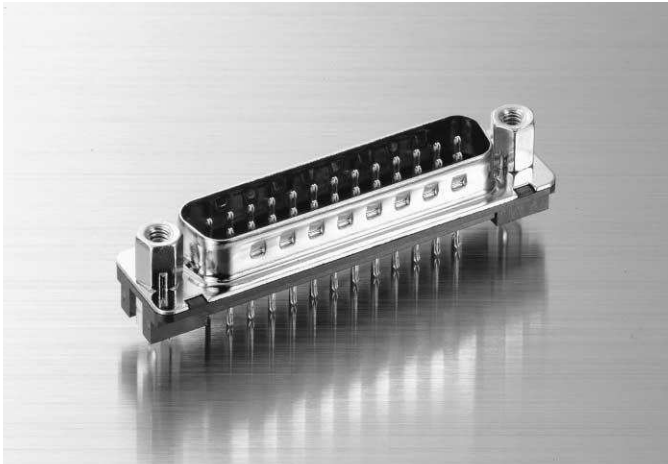


D SUBMINIATURE CONNECTOR J SERIES

Straight through-hole plug and receptacle

STRAIGHT THROUGH-HOLE PLUG AND RECEPTACLE



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



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

Features

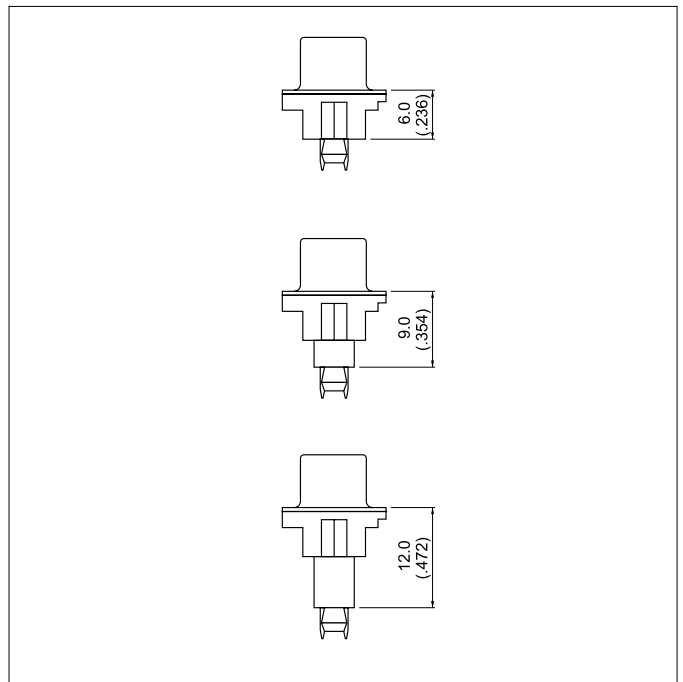
- Three standard types are available with different dimensions between the flange and solder tail: 6mm (.236"), 9mm (.354"), and 12mm (.472").
- The roots of the contact leads are covered to prevent flux from rising into the connector during soldering.
- A grounding adapter with a spring lock device 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

- * Contact JST if Lead-Free product is required.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.



D SUBMINIATURE CONNECTOR J SERIES

Specifications

Materials

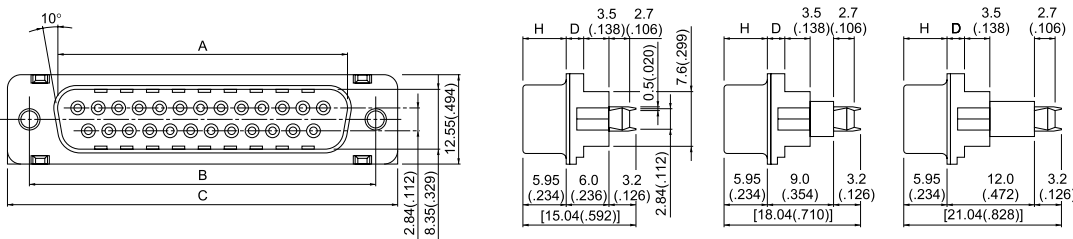
Part name		Material and Finish
Contact	Plug	Brass, nickel-undercoated, selective gold-plated
	Receptacle	Phosphor bronze, nickel-undercoated, selective gold-plated
Insulator		Glass-filled PBT, UL94V-0, black
Shell		Steel, copper-undercoated, nickel-plated
Hexagonal lock screw block		Steel, copper-undercoated, nickel-plated
Grounding adapter with spring lock device		Brass, copper-undercoated, tin/lead-plated

Characteristics

Current rating	3A AC, DC
Voltage rating	250V AC, DC
Temperature range	-40°C to +85°C (including temperature rise in applying electrical current)
Contact resistance	Initial value/15mΩ max. After environmental testing/30mΩ max.
Insulation resistance	5,000MΩ min.
Withstanding voltage	1,000V AC/minute
Applicable PC board thickness	1.6mm(.063")

*Contact JST for details.

Straight through-hole plug



H: Height of the lock screw block (for Types A, B & J)

Cir- cuits	Dimension between flange and solder tail mm(in.)	Model No.		Dimensions mm(in.)				Q'ty / box
		Gold-plated (flash) Plug	Gold-plated 0.76micron(30micro-inch)	A	B	C	D	
9	6 (.236)	JES- 9P-2A**	JES- 9P-2A**14	16.90 (.665)	24.99 (.984)	30.8 (1.213)	2.4 (.094)	100
	9 (.354)	JES- 9P-3A**	JES- 9P-3A**14					
	12 (.472)	JES- 9P-4A**	JES- 9P-4A**14					
25	6 (.236)	JBS-25P-2A**	JBS-25P-2A**14	38.97 (1.534)	47.04 (1.852)	53.0 (2.087)	2.5 (.098)	50
	9 (.354)	JBS-25P-3A**	JBS-25P-3A**14					
	12 (.472)	JBS-25P-4A**	JBS-25P-4A**14					

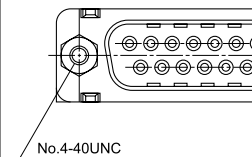
Note:

** shows the location where a two-digit code (see the table below for codes) should be entered. For example, if a gold-plated (flash) receptacle with hexagonal lock screw blocks having a No. 4-40UNC inch thread and without grounding adapters whose dimension between flange and solder tail is 6.0mm(.236") is required, specify the model number as JBS-25P-2A3A.

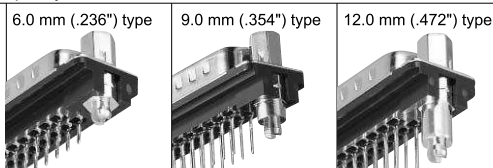
Type A



With hexagonal lock screw blocks (H: 6.3mm (.248")) having a No.4-40UNC inch thread



With grounding adapters with a spring lock device



3A


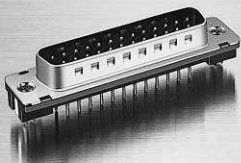
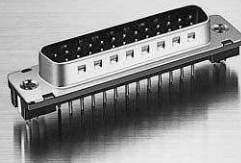
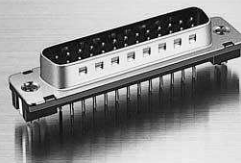

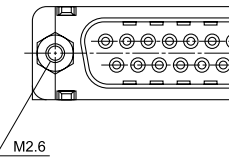
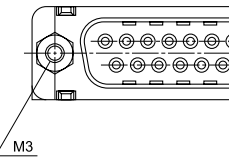
D SUBMINIATURE CONNECTOR J SERIES

Model number identification

• Series name	J	B	S	—	25	P	—	2A	3	F	14	S1
• Shell size: B, E												
• Wire connection type: S ... Straight through-hole type												
• Number of circuits: 9, 25												
• Connector type: P ... Plug S ... Receptacle												
• Connector construction/dimensions: 2A ... 6.0 mm (.236") from flange to solder tail 3A ... 9.0 mm (.354") from flange to solder tail 4A ... 12.0mm (.472") from flange to solder tail												
• Types of grounding adapter: 3 ... Grounding adapter with a spring lock device												
• 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 block having an M3 thread												
• Finish Blank ... Gold-plated(flash) 13 ... 0.4micron(16micro-inch)gold-plated	12 ... 0.2micron(8micro-inch)gold-plated	14 ... 0.76micron(30micro-inch)gold-plated										
• Spring lock devices Blank...Without spring lock devices S or S1...With spring lock devices (round type) S2...With spring lock devices (with addition of spring characteristic, round type) S3...With spring lock devices (with addition of spring characteristic, rhombus type)												

Note:

- In the J Series, the number of circuits is determined by the shell size: 9 circuits for E and 25 circuits for B.
- Contact JST for special plating requirements.
- Contact JST for the dimensions between the flange and solder tail other than those listed above.
- Grounding adapters that can secure printed circuit boards are also available.

Type B	Type F	Type G	Type H	Type J
				
With hexagonal lock screw blocks (H: 6.3mm(.248")) 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: 6.3mm (.248")) 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 receptacle

H: Height of the lock block (for Types A, B & J)

Cir- cuits	Dimension between flange and solder tail mm(in.)	Model No.			Dimensions mm(in.)				Q'ty / box
		Gold-plated (flash) receptacle	Gold-plated 0.76micron(30micro-inch)	Tin-plated	A	B	C	D	
9	6(.236)	JES- 9S-2A**	JES- 9S-2A**14	—	16.34 (.643)	24.99 (.984)	30.8 (1.213)	2.4 (.094)	100
	9(.354)	JES- 9S-3A**	JES- 9S-3A**14	—	16.34 (.643)	24.99 (.984)	30.8 (1.213)	2.4 (.094)	
	12(.472)	JES- 9S-4A**	JES- 9S-4A**14	—	16.34 (.643)	24.99 (.984)	30.8 (1.213)	2.4 (.094)	
25	6(.236)	JBS-25S-2A**	JBS-25S-2A**14	JBS-25S-2A**90	38.38 (1.511)	47.04 (1.852)	53.0 (2.087)	2.5 (.098)	50
	9(.354)	JBS-25S-3A**	JBS-25S-3A**14	JBS-25S-3A**90	38.38 (1.511)	47.04 (1.852)	53.0 (2.087)	2.5 (.098)	
	12(.472)	JBS-25S-4A**	JBS-25S-4A**14	—	38.38 (1.511)	47.04 (1.852)	53.0 (2.087)	2.5 (.098)	

Note: ** shows the location where a two-digit code (see the table below for codes) should be entered. For example, if a gold-plated (flash) receptacle with hexagonal lock screw blocks having a No. 4-40UNC inch thread and without grounding adapters whose dimension between flange and solder tail is 6.0mm(.236") is required, specify the model number as JES-9S-2A3A.

Type A

With hexagonal lock screw blocks (H: 6.3mm (.248")) having a No.4-40UNC inch thread

With grounding adapters with a spring lock device

6.0 mm (.236") type

9.0 mm (.354") type

12.0 mm (.472") type

3A






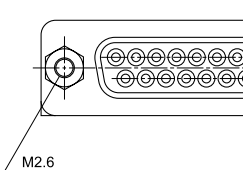
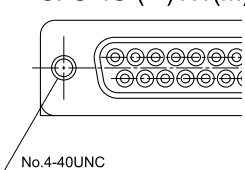
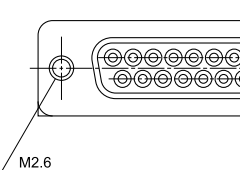
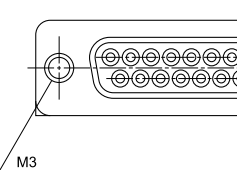
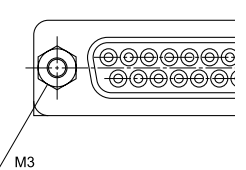
PC board layout (viewed from component side)

(9-circuits)

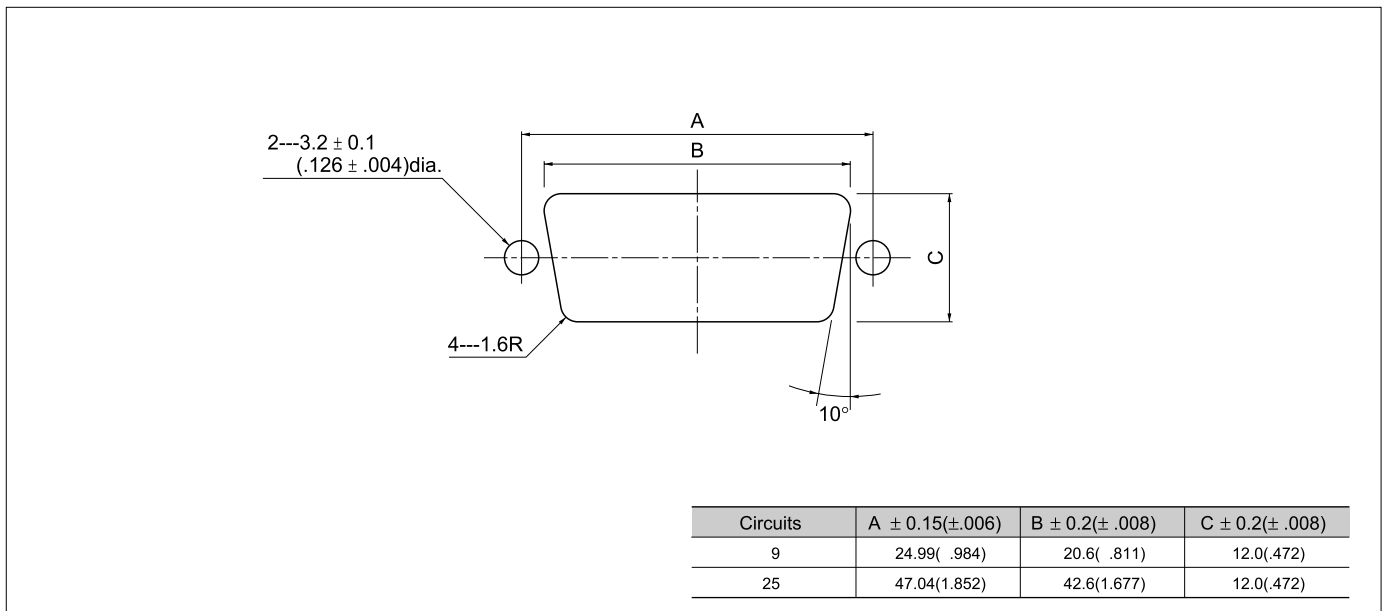
(25-circuits)

- Note:
- Tolerances are non-cumulative: $\pm 0.05\text{mm}$ ($\pm .002''$) for all centers.
 - Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

D SUBMINIATURE CONNECTOR J SERIES

Type B	Type F	Type G	Type H	Type J
				
With hexagonal lock screw blocks (H: 6.3mm (.248")) 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: 6.3mm (.248")) having an M3 thread
 M2.6	*1: No.4-40UNC inch thread *2: Model number SFS-4S-()1W(M)  No.4-40UNC	*1: M2.6 thread *2: Model number SFS-2.6S-()1W(M)  M2.6	*1: M3 thread *2: Model number SFS-3S-()1W(M)  M3	 M3
3B	3F	3G	3H	3J

Panel layout



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