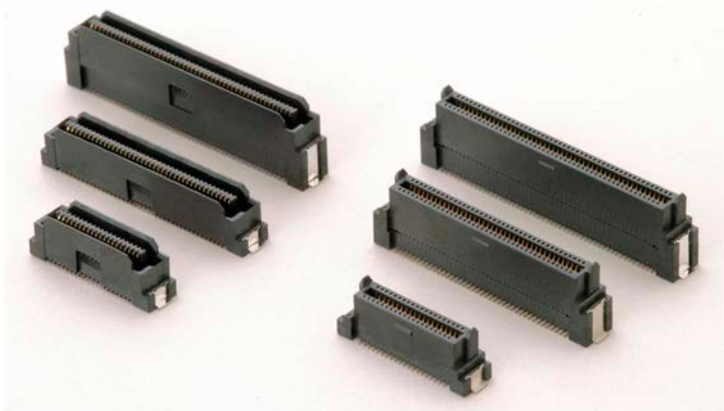
RoHS2

0.8mm PitchStacking Connectors

DFJ Series

Fujikura



OUTLINE

DFJ series is a 0.8mm fine contact pitch board to board stacking (Parallel Connection) connectors.

FEATURE

- Stacking height is available from 9 different heights(10, 13, 14, 15, 16, 17, 18, 19 and 20mm).
- SMT mounting style and board lock pins are available.
- "D" shaped polarization to prevent from mis-mating.
- Cantilever contact design
- A tactile perceptible lock mechanism upon mating the connectors is available.

APPLICATIONS

FA, Communication Equipments

SPECIFICATIONS

Rated Voltage	100V AC(r.m.s.)
Rated Current	0.5A / Contact
Dlelectric Withstanding Voltage	350V AC(r.m.s.) /1minute
Insulation Resistance	500 MΩ min. at 250V DC
Contact Resistance	45m Ω max.
Operating temperature range	–55℃～+ 85℃
Operating humidity range	85% Rh max.(However, there must not be dewy.)
Preservation temperature	–55℃～+ 85℃
Preservation humidity	85% Rh max.

MATERIAL/FINISH

RoHS Compliant

Item	Material / Finish
Contact	Copper Alloy / Contact Area : Au over Ni Plating Tail Area : Sn-Ag over Ni Platig
Housing	LCP Resin (UL94V-0) / Black
LockingTab	Copper Alooy / Sn-Ag Plating

NOTE FOR MOUNTING

Absorption the gap of DFJ series is severe because of fine contact pitch (0.8mm).
(Short edge and long edge: tolerance ±0.05 mm /each)
DFJ series does not have the floating mechanism.
Please be careful to the gap when you mount more than 2 connectors on one PCB.
We recommend to isolate the PCB which mount the mating connector.

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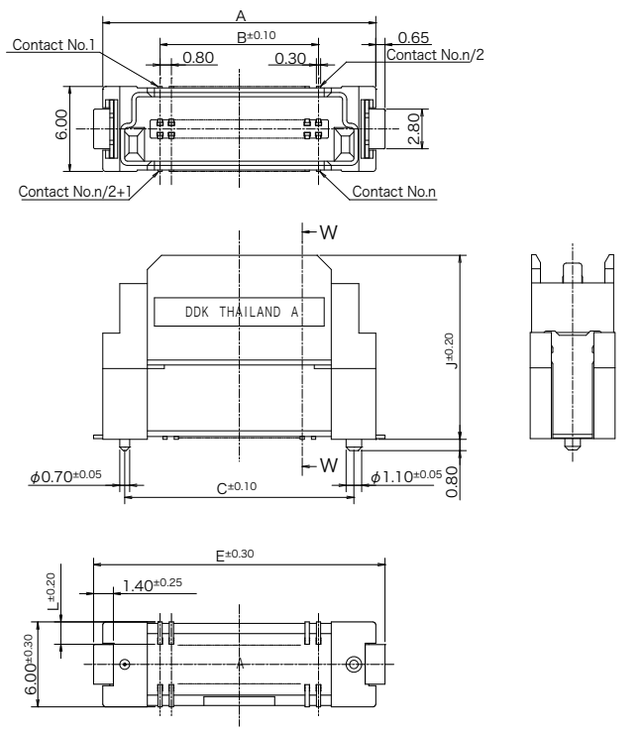
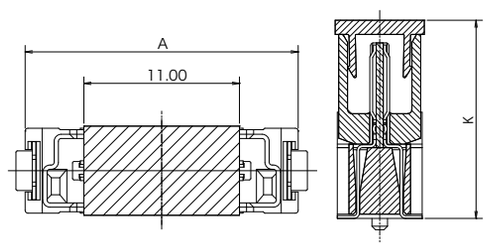
Unit : mm

Plug Connector

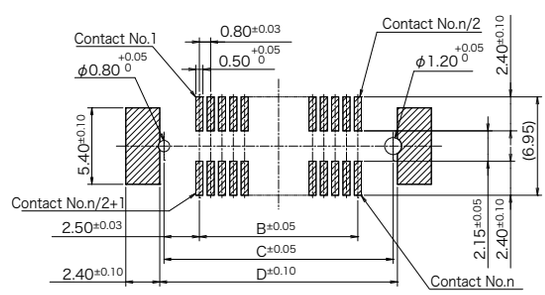
DFJ-PC030-S931130D(M)-FA

- Number of Contact
  020 : 20
  030 : 30
  040 : 40
  060 : 60
  080 : 80
  100 : 100
  120 : 120
- Contact Plating
  3 : Au(Flash) over Ni Plating
- Connector Hight
  080 : 8.0mm 110 : 11.0mm
  120 : 12.0mm 130 : 13.0mm
- Package Style
  (M): Tray for Automatic Mounting Machine
- FA:Lead Free





Adsorption Cap Mounting DImensions



(PCB Mounting Dimensions)
(View from Mounting Side)

Part Number	Number of Contact	A	B	C	D	E
DFJ-PC020-S931 □□□ D(M)-FA	20	15.3	7.2	12.2	12.8	16.6
DFJ-PC030-S931 □□□ D(M)-FA	30	19.3	11.2	16.2	16.8	20.6
DFJ-PC040-S931 □□□ D(M)-FA	40	23.3	15.2	20.2	20.8	24.6
DFJ-PC060-S931 □□□ D(M)-FA	60	31.3	23.2	28.2	28.8	32.6
DFJ-PC080-S931 □□□ D(M)-FA	80	39.3	31.2	36.2	36.8	40.6
DFJ-PC100-S931 □□□ D(M)-FA	100	47.3	39.2	44.2	44.8	48.6
DFJ-PC120-S931 □□□ D(M)-FA	120	55.3	47.2	52.2	52.8	56.6

Part Number	J	K	L
DFJ-PC □□□ -S931080D(M)-FA	8.0	9.0	2.75
DFJ-PC □□□ -S931110D(M)-FA	11.0	12.0	1.58
DFJ-PC □□□ -S931120D(M)-FA	12.0	13.0	1.58
DFJ-PC □□□ -S931130D(M)-FA	13.0	14.0	1.58

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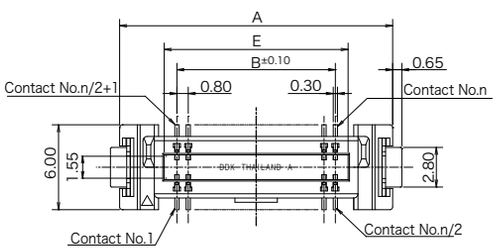
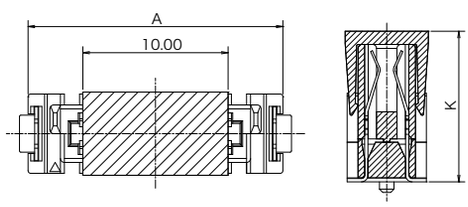
Unit : mm

Receptacle Connector

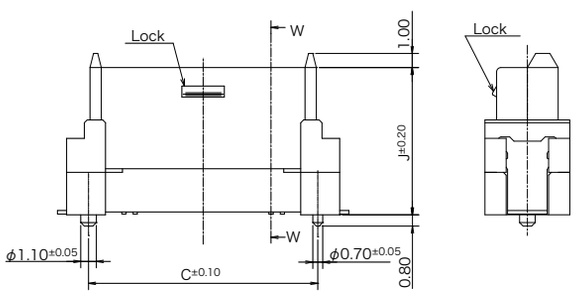
DFJ-RC030-S831104D(M)-FA

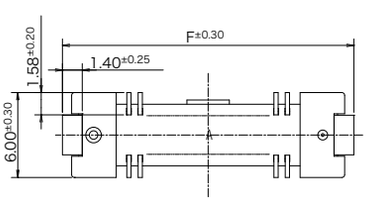
- Number of Contact
  - 020 : 20
  - 030 : 30
  - 040 : 40
  - 060 : 60
  - 080 : 80
  - 100 : 100
  - 120 : 120
- Contact Plating
  - 3 : Au(Flash) over Ni Plating
- FA : Lead Free
- Package Style
  - (M): Tray for Automatic Mounting Machine
- Lock
  - N : without Lock
  - D : with Lock
- Connector Hight
  - 074 : 7.4mm 104 : 10.4mm
  - 114 : 11.4mm 124 : 12.4mm

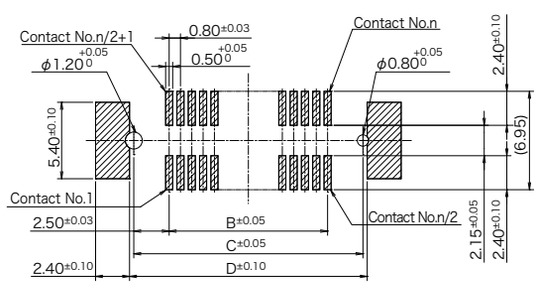




Adsorption Cap Mounting Dimensions







(PCB Mounting Dimensions)
(View from Mounting Side)

Part Number	Number of Contact	A	B	C	D	E	F
DFJ-RC020-S831 □□□□ (M)-FA	20	15.3	7.2	12.2	12.8	8.8	16.6
DFJ-RC030-S831 □□□□ (M)-FA	30	19.3	11.2	16.2	16.8	12.8	20.6
DFJ-RC040-S831 □□□□ (M)-FA	40	23.3	15.2	20.2	20.8	16.8	24.6
DFJ-RC060-S831 □□□□ (M)-FA	60	31.3	23.2	28.2	28.8	24.8	32.6
DFJ-RC080-S831 □□□□ (M)-FA	80	39.3	31.2	36.2	36.8	32.8	40.6
DFJ-RC100-S831 □□□□ (M)-FA	100	47.3	39.2	44.2	44.8	40.8	48.6
DFJ-RC120-S831 □□□□ (M)-FA	120	55.3	47.2	52.2	52.8	48.8	56.6

Part Number	J	K
DFJ-RC □□□ -S831074 □ (M)-FA	7.4	8.4
DFJ-RC □□□ -S831104 □ (M)-FA	10.4	11.4
DFJ-RC □□□ -S831114 □ (M)-FA	11.4	12.4
DFJ-RC □□□ -S831124 □ (M)-FA	12.4	13.4

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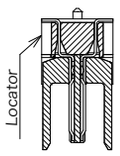
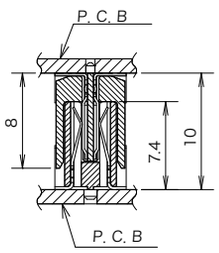
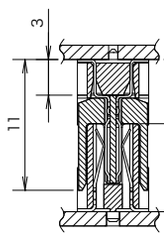
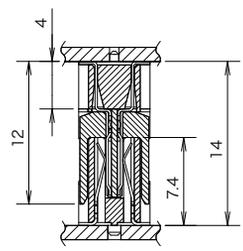
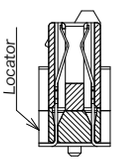
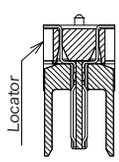
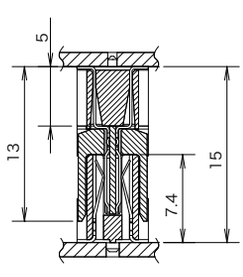
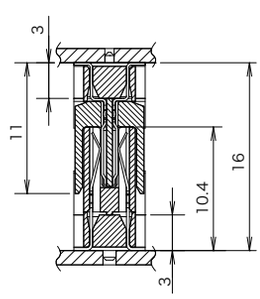
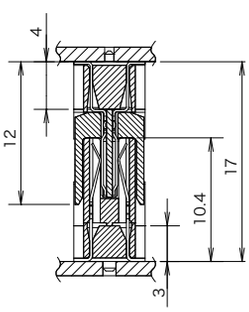
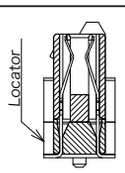
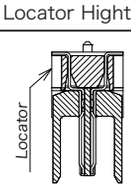
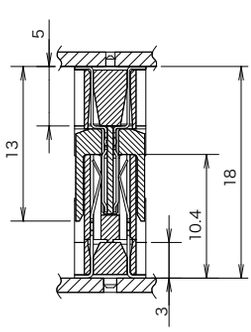
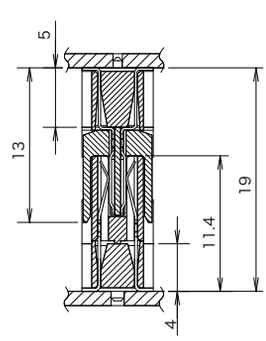
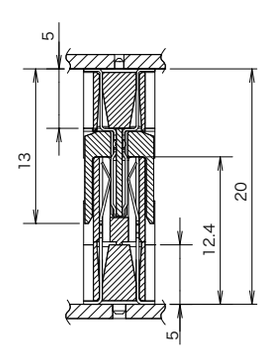
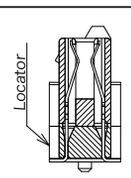
Unit : mm

DFJ Series Stacking Combination List

Stacking Height		10mm	13mm	14mm
Plug	Part Number	DFJ-PC □□□ -S931080D(M)-FA	DFJ-PC □□□ -S931110D(M)-FA	DFJ-PC □□□ -S931120D(M)-FA
	Locator Hight	——	3mm	4mm
					
Receptacle					
	Part Number	DFJ-RC □□□ -S831074 □ (M)-FA	DFJ-RC □□□ -S831074 □ (M)-FA	DFJ-RC □□□ -S831074 □ (M)-FA
	Locator Hight	——	——	——

Stacking Hight		15mm	16mm	17mm
Plug	Part Number	DFJ-PC □□□ -S931130D(M)-FA	DFJ-PC □□□ -S931110D(M)-FA	DFJ-PC □□□ -S931120D(M)-FA
	Locator Hight	5mm	3mm	4mm
					
Receptacle					
	Part Number	DFJ-RC □□□ -S831074 □ (M)-FA	DFJ-RC □□□ -S831104 □ (M)-FA	DFJ-RC □□□ -S831104 □ (M)-FA
	Locator Hight	——	3mm	3mm

Stacking Hight		18mm	19mm	20mm
Plug	Part Number	DFJ-PC □□□ -S931130D(M)-FA	DFJ-PC □□□ -S931130D(M)-FA	DFJ-PC □□□ -S931130D(M)-FA
	Locator Hight	5mm	5mm	5mm
					
Receptacle					
	Part Number	DFJ-RC □□□ -S831104 □ (M)-FA	DFJ-RC □□□ -S831114 □ (M)-FA	DFJ-RC □□□ -S831124 □ (M)-FA
	Locator Hight	3mm	4mm	5mm

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