

0.6mm Pitch Floating Connector

DFW Series



OUTLINE

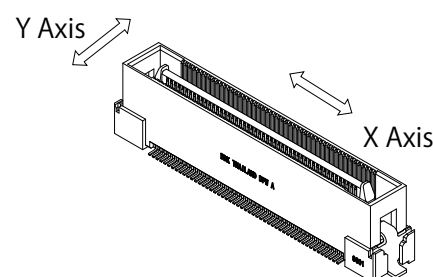
DFW is a 0.6mm pitch board to board connector with variable stacking heights from 13mm to 25mm. This connector offers the value of x-y float of $\pm 0.5\text{mm}$ and effective contact length of 2.0mm. This high speed connector is rated to 5Gbps. The DFW series is available in pin counts of 20, 40, 60, 80, 100 and 120.



FEATURES

- Number of Contact : 20 ~ 120 Contacts
- Stacking Height : 13 ~ 25 mm
- Contact Pitch : 0.6 mm
- Floating Mechanism
 - Y Axis(Short Edge) : $\pm 0.5\text{ mm}$
 - X Axis(Long Edge) : $\pm 0.5\text{ mm}$
- Effective Contact Length : 2.0 mm
- Solid design to thicken the housing
- Stacking heights can be selected by changing receptacle connectors.
- Applied DDK original floating mechanism

※ Regarding the number of contact and connector height, please contact us.



MATERIAL / FINISH



Contact	Copper Alloy / Au over Ni Plating
Housing	LCP Resin (UL94V-0) / Black

APPLICATIONS

FA, Car Electronics, Mobile Devices,
Plural Connectors use for board to
board connection

SPECIFICATIONS

Rated Voltage	50V AC(r.m.s.)
Rated Current	0.5A / Contact
Dielectric Withstanding Voltage	150V AC (r.m.s.) at 1 minute
Insulation Resistance	100 MΩ min. at 100V DC
Contact Resistance	100m Ω max. (Initial)
Number of Contact	20 ~ 120 Contacts
Stacking Height	13mm ~ 25mm
Operating temperature range	-55°C ~ + 85°C
Operating humidity range	85% Rh max.(However, there must not be dewy.)
Preservation temperature	-55°C ~ + 85°C
Preservation humidity	85% Rh max.

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▶ Plug Connector

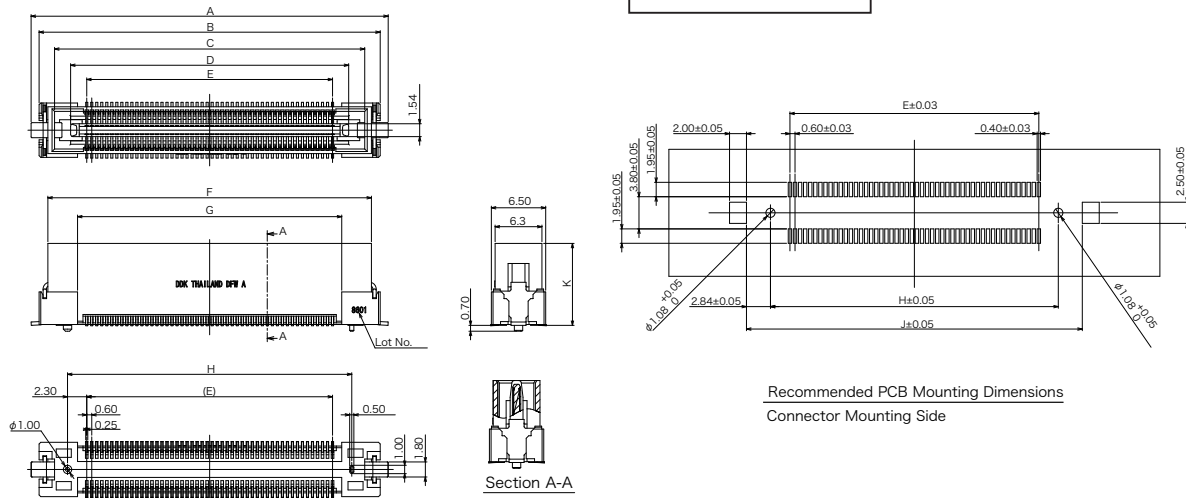
DFW-PAV100-98-3A(A)

Contact Number
20, 40, 60, 80, 100, 120

Package Style
A(A) : Tray Packing

Contact Plating
3 : Au over Ni Plating

Connector Height



Connector Height

Plug Connector		Receptacle Connector		Stacking Height
Part Number	K	Part Number	L	M
DFW-PAV020-98-3A(A)	9.8	DFW-RAV020-138-3A(A)	13.8	19
DFW-PAV040-98-3A(A)		DFW-RAV040-78-3A(A)	7.8	13
		DFW-RAV040-108-3A(A)	10.8	16
		DFW-RAV040-118-3A(A)	11.8	17
		DFW-RAV040-128-3A(A)	12.8	18
		DFW-RAV040-148-3A(A)	14.8	20
DFW-PAV060-98-3A(A)		DFW-RAV060-148-3A(A)		
DFW-PAV080-98-3A(A)		DFW-RAV080-148-3A(A)		
DFW-PAV100-98-3A(A)		DFW-RAV100-148-3A(A)		
DFW-PAV120-98-3A(A)		DFW-RAV120-108-3A(A)	10.8	16
		DFW-RAV120-128-3A(A)	12.8	18
		DFW-RAV120-138-3A(A)	13.8	19
DFW-PAV040-148-3A(A)	14.8	DFW-RAV040-78-3A(A)	7.8	18
		DFW-RAV040-108-3A(A)	10.8	21
		DFW-RAV040-118-3A(A)	11.8	22
		DFW-RAV040-128-3A(A)	12.8	23
		DFW-RAV040-148-3A(A)	14.8	25
DFW-PAV100-148-3A(A)	DFW-RAV100-148-3A(A)			

DFW Series Stacking Height

Plug	DFW-PAV□□□-□□□-3A(A)
Receptacle	DFW-RAV□□□-□□□-3A(A)

Dimensions

Part Number	Number of Contact	A	B	C	D	E	F	G	H	J
DFW-PAV020-□□□-3A(A)	20	18.67	16.80	13.10	9.26	5.40	14.70	7.60	10.00	15.67
DFW-PAV040-□□□-3A(A)	40	24.67	22.80	19.10	15.26	11.40	20.70	13.60	16.00	21.67
DFW-PAV060-□□□-3A(A)	60	30.67	28.80	25.10	21.26	17.40	26.70	19.60	22.00	27.67
DFW-PAV080-□□□-3A(A)	80	36.67	34.80	31.10	27.26	23.40	32.70	25.60	28.00	33.67
DFW-PAV100-□□□-3A(A)	100	42.67	40.80	37.10	33.26	29.40	38.70	31.60	34.00	39.67
DFW-PAV120-□□□-3A(A)	120	48.67	46.80	43.10	39.26	35.40	44.70	37.60	40.00	45.67

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▶ Receptacle Connector

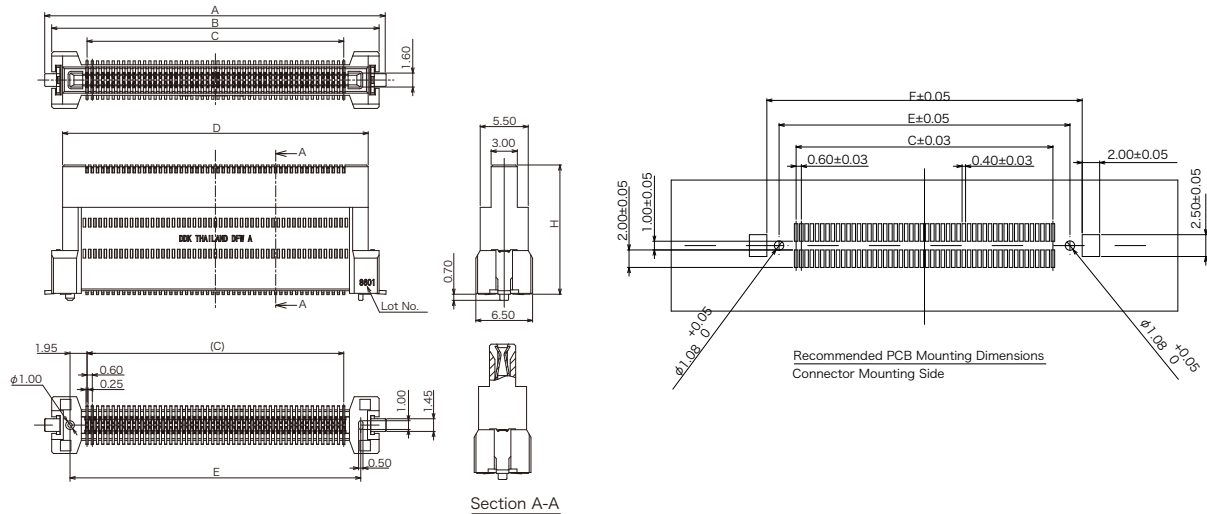
DFW-RAV100-148-3A(A)

Contact Number
20, 40, 60, 80, 100, 120

Package Style
A(A) : Tray Packing

Contact Plating
3 : Au over Ni Plating

Connector Height



Connector Height

Plug Connector		Receptacle Connector		Stacking Height
Part Number	K	Part Number	L	M
DFW-PAV020-98-3A(A)	9.8	DFW-RAV020-138-3A(A)	13.8	19
DFW-PAV040-98-3A(A)		DFW-RAV040-78-3A(A)	7.8	13
		DFW-RAV040-108-3A(A)	10.8	16
		DFW-RAV040-118-3A(A)	11.8	17
		DFW-RAV040-128-3A(A)	12.8	18
		DFW-RAV040-148-3A(A)	14.8	20
DFW-PAV060-98-3A(A)		DFW-RAV060-148-3A(A)		
DFW-PAV080-98-3A(A)		DFW-RAV080-148-3A(A)		
DFW-PAV100-98-3A(A)		DFW-RAV100-148-3A(A)		
DFW-PAV120-98-3A(A)		DFW-RAV120-108-3A(A)	10.8	16
	DFW-RAV120-128-3A(A)	12.8	18	
	DFW-RAV120-138-3A(A)	13.8	19	
DFW-PAV040-148-3A(A)	14.8	DFW-RAV040-78-3A(A)	7.8	18
		DFW-RAV040-108-3A(A)	10.8	21
		DFW-RAV040-118-3A(A)	11.8	22
		DFW-RAV040-128-3A(A)	12.8	23
		DFW-RAV040-148-3A(A)	14.8	25
DFW-PAV100-148-3A(A)	DFW-RAV100-148-3A(A)			

DFW Series Stacking Height

Plug	DFW-PAV□□□-□□□-3A(A)
Receptacle	DFW-RAV□□□-□□□-3A(A)

Dimensions

Part Number	Number of Contact	A	B	C	D	E	F
DFW-RAV020-□□□-3A(A)	20	15.00	13.50	5.40	11.00	9.30	12.10
DFW-RAV040-□□□-3A(A)	40	21.00	19.50	11.40	17.00	15.30	18.10
DFW-RAV060-□□□-3A(A)	60	27.00	25.50	17.40	23.00	21.30	24.10
DFW-RAV080-□□□-3A(A)	80	33.00	31.50	23.40	29.00	27.30	30.10
DFW-RAV100-□□□-3A(A)	100	39.00	37.50	29.40	35.00	33.30	36.10
DFW-RAV120-□□□-3A(A)	120	45.00	43.00	35.40	41.00	39.30	42.10

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