0.6mm Pitch Floating Connector

DFW Series

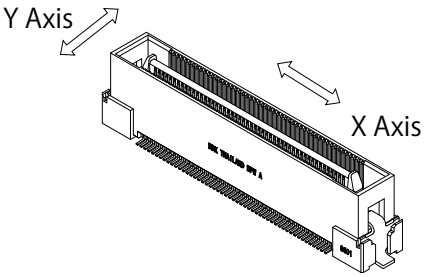


OUTLINE

DFW series is a 0.6mm pitch board to board connectors which offset the gap between parallel boards by moving in X and Y axis.

FEATURES

- Number of Contact : 20 ~ 160 Contacts
- Stacking Height : 13 ~ 25 mm
- Contact Pitch : 0.6 mm
- Floating Mechanism
  - Y Axis(Short Edge) : ±0.5 mm
  - X Axis(Long Edge) : ±0.5 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

RoHS Compliant

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

APPLICATIONS

FA, Car Electronics, Mobile Devises, 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 ~ 160 Contacts
Stacking Height	13mm ~ 25mm

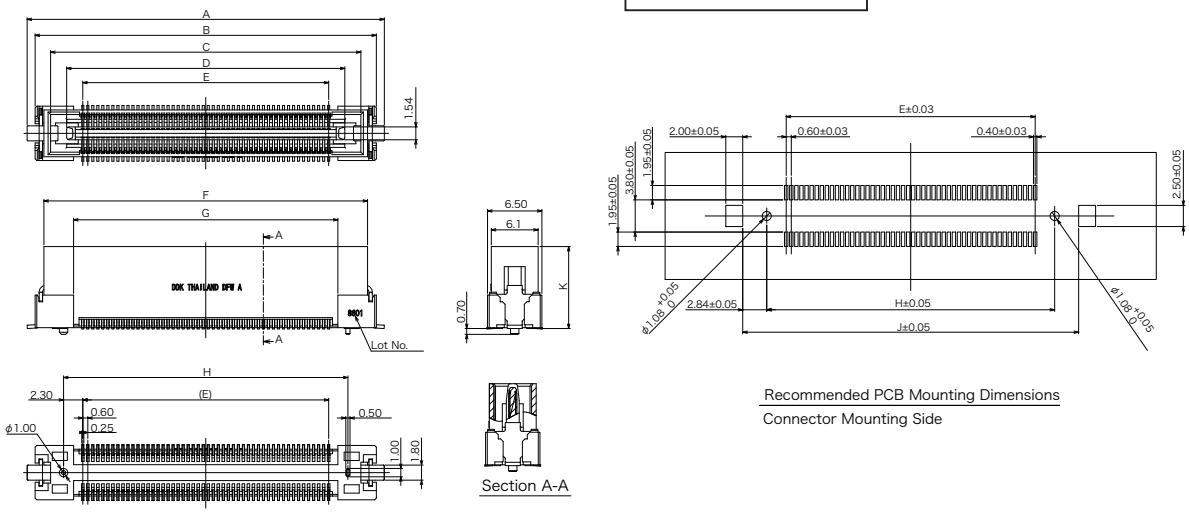
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Unit : mm

Plug Connector

DFW-PAV100-98-3A

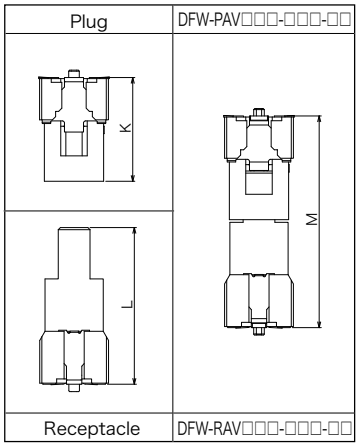
- Contact Number: 20, 40, 60, 80, 100, 120, 140, 160
- Package Style: A : Tray Packing
- Contact Plating: 3 : Au over Ni Plating
- Connector Height



Connector Height

Plug Connector		Receptacle Connector		Stacking Height
PArt Number	K	Part Number	L	M
DFW-PAV □□□ -98-3A	9.8	DFW-RAV □□□ -078-3A	7.80	13.00
		DFW-RAV □□□ -088-3A	8.80	14.00
		DFW-RAV □□□ -098-3A	9.80	15.00
		DFW-RAV □□□ -108-3A	10.80	16.00
		DFW-RAV □□□ -118-3A	11.80	17.00
		DFW-RAV □□□ -128-3A	12.80	18.00
		DFW-RAV □□□ -138-3A	13.80	19.00
		DFW-RAV □□□ -148-3A	14.80	20.00
DFW-PAV □□□ -148-3A	14.8	DFW-RAV □□□ -078-3A	7.80	18.00
		DFW-RAV □□□ -088-3A	8.80	19.00
		DFW-RAV □□□ -098-3A	9.80	20.00
		DFW-RAV □□□ -108-3A	10.80	21.00
		DFW-RAV □□□ -118-3A	11.80	22.00
		DFW-RAV □□□ -128-3A	12.80	23.00
		DFW-RAV □□□ -138-3A	13.80	24.00
		DFW-RAV □□□ -148-3A	14.80	25.00

DFW Series Stacking Height



Dimensions

Part Number	Number of Contact	A	B	C	D	E	F	G	H	J
DFW-PAV020- □□□ -3A	20	18.67	16.80	13.10	9.26	5.40	14.70	7.60	10.00	15.67
DFW-PAV040- □□□ -3A	40	24.67	22.80	19.10	15.26	11.40	20.70	13.60	16.00	21.67
DFW-PAV060- □□□ -3A	60	30.67	28.80	25.10	21.26	17.40	26.70	19.60	22.00	27.67
DFW-PAV080- □□□ -3A	80	36.67	34.80	31.10	27.26	23.40	32.70	25.60	28.00	33.67
DFW-PAV100- □□□ -3A	100	42.67	40.80	37.10	33.26	29.40	38.70	31.60	34.00	39.67
DFW-PAV120- □□□ -3A	120	48.67	46.80	43.10	39.26	35.40	44.70	37.60	40.00	45.67
DFW-PAV140- □□□ -3A	140	54.67	52.80	49.10	45.26	41.40	50.70	43.60	46.00	51.67
DFW-PAV160- □□□ -3A	160	60.67	58.80	55.10	51.26	47.40	56.70	49.60	52.00	57.67

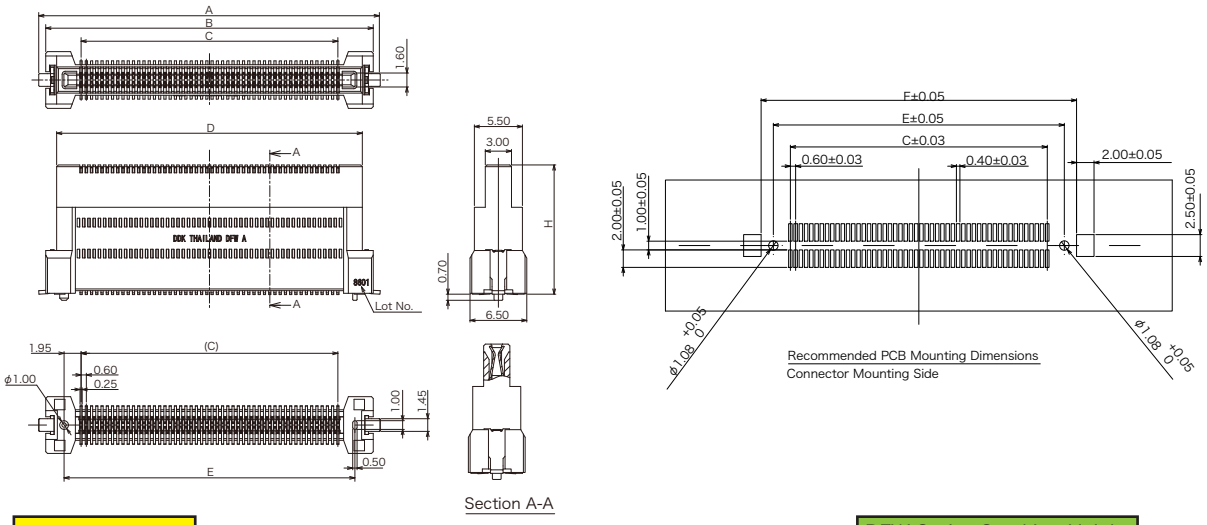
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Unit : mm

Receptacle Connector

DFW-RAV100-148-3A

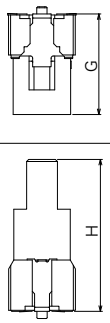
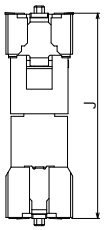
- Number of Contact: 20, 40, 60, 80, 100, 120, 140, 160
- Package Style: A : Tray Packing
- Contact Plating: 3 : Au over Ni Plating
- Connector Height



Connector Height

Plug Connector		Receptacle Connector		Stacking Height
Part Number	G	Part Number	H	J
DFW-PAV □□□ -98-3A	9.8	DFW-RAV □□□ -078-3A	7.80	13.00
		DFW-RAV □□□ -088-3A	8.80	14.00
		DFW-RAV □□□ -098-3A	9.80	15.00
		DFW-RAV □□□ -108-3A	10.80	16.00
		DFW-RAV □□□ -118-3A	11.80	17.00
		DFW-RAV □□□ -128-3A	12.80	18.00
		DFW-RAV □□□ -138-3A	13.80	19.00
		DFW-RAV □□□ -148-3A	14.80	20.00
DFW-PAV □□□ -148-3A	14.8	DFW-RAV □□□ -078-3A	7.80	18.00
		DFW-RAV □□□ -088-3A	8.80	19.00
		DFW-RAV □□□ -098-3A	9.80	20.00
		DFW-RAV □□□ -108-3A	10.80	21.00
		DFW-RAV □□□ -118-3A	11.80	22.00
		DFW-RAV □□□ -128-3A	12.80	23.00
		DFW-RAV □□□ -138-3A	13.80	24.00
		DFW-RAV □□□ -148-3A	14.80	25.00

DFW Series Stacking Height

Plug	DFW-PAV□□□-□□□-□□
	
Receptacle	DFW-RAV□□□-□□□-□□

Dimensions

Part Number	Number of Contact	A	B	C	D	E	F
DFW-RAV020- □□□ -3A	20	15.00	13.50	5.40	11.00	9.30	12.10
DFW-RAV040- □□□ -3A	40	21.00	19.50	11.40	17.00	15.30	18.10
DFW-RAV060- □□□ -3A	60	27.00	25.50	17.40	23.00	21.30	24.10
DFW-RAV080- □□□ -3A	80	33.00	31.50	23.40	29.00	27.30	30.10
DFW-RAV100- □□□ -3A	100	39.00	37.50	29.40	35.00	33.30	36.10
DFW-RAV120- □□□ -3A	120	45.00	43.00	35.40	41.00	39.30	42.10
DFW-RAV140- □□□ -3A	140	51.00	49.50	41.40	47.00	45.30	48.10
DFW-RAV160- □□□ -3A	160	57.00	55.50	47.40	53.00	51.30	54.10

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