

0.6mm Pitch Floating Connector

DFW Series

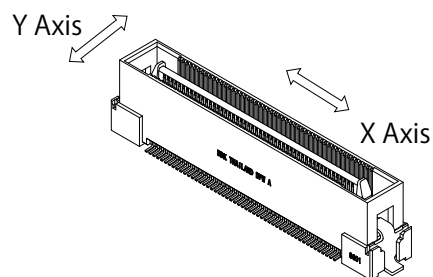


OUTLINE

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



| | |
|---------|-----------------------------------|
| 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 M Ω min. at 100V DC |
| Contact Resistance | 100m Ω max. (Initial) |
| Number of Contact | 20 ~ 160 Contacts |
| Stacking Height | 13mm ~ 25mm |

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▶ Plug Connector

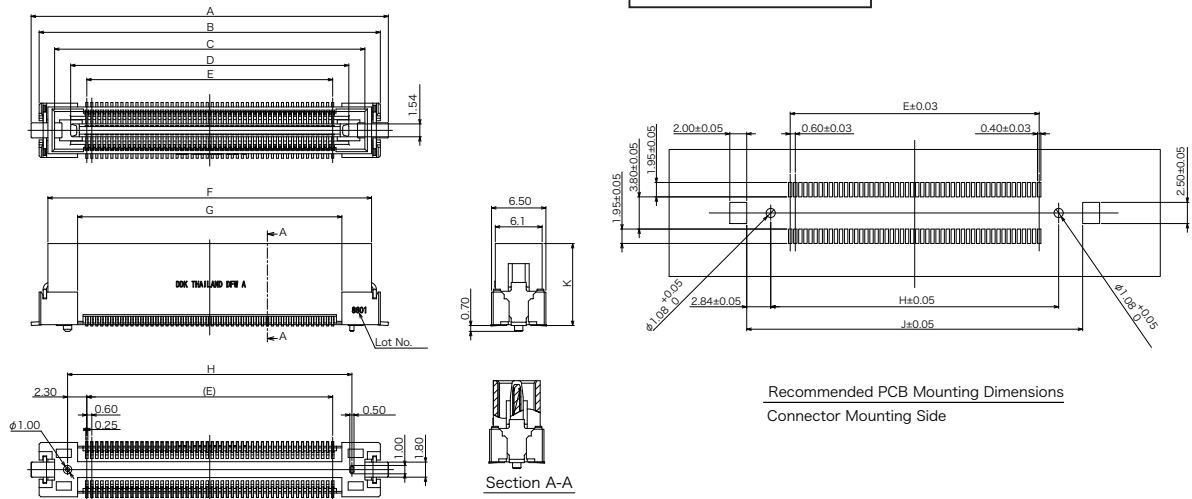
DFW-PAV100-98-3A

Contact Number
20, 40, 60, 80, 100, 120, 140, 160

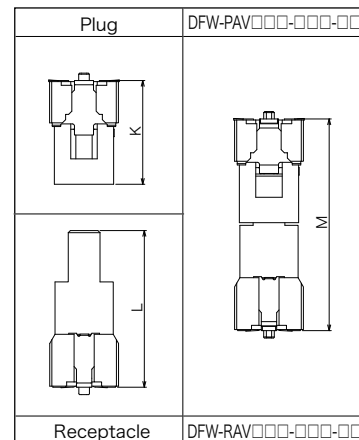
Package Style
A : Tray Packing

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-PAV □□□ -148-3A | 14.8 | DFW-RAV □□□ -148-3A | 14.80 | 20.00 |
| | | 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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▶ Receptacle Connector

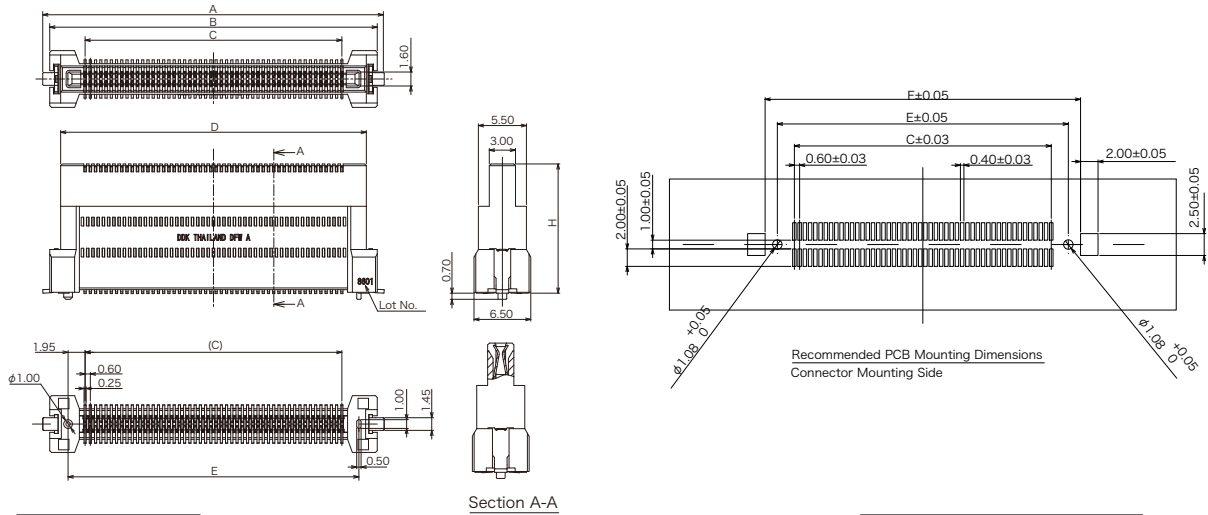
DFW-RAV100-148-3A

Number of Contact
20, 40, 60, 80, 100, 120, 140, 160

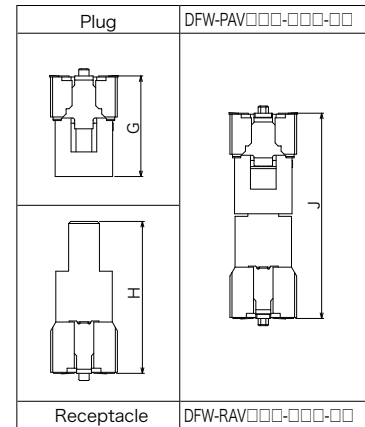
Package Style
A : Tray Packing

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

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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