

0.8mm Pitch Board to Board Floating Connector

DFR Series



◆ OUTLINE

DFR series is a 0.8mm pitch board to board connectors which offset the gap between parallel boards by moving in X and Y axis.

◆ FEATURES

- Number of Contact 30,40,60 and 70
- Stacking Height 5.5mm,9.5mm,14.0mm
- Contact Pitch : 0.8 mm
- Floating Mechanism
 - Y Axis(Short Edge) : ± 0.7 mm
 - X Axis(Long Edge) : ± 0.7 mm
- Scoop-Proof Cantilever Contact Design
- Emboss Package for Automatic Mounting Machine
- Lead Free Material



◆ Applications

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

◆ SPECIFICATION

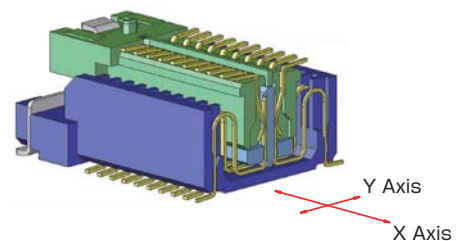
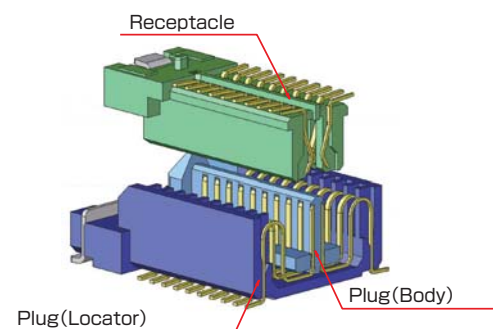
Rated Voltage : 100V AC(r.m.s.)/DC
Rated Current : 0.5A / Contact
Insulation Resistance : 500 M Ω min.at 250V DC
Dielectric Withstanding Voltage : 250V AC(r.m.s.)for 1 minute
Operating Temperature Range : - 55°C~+ 85°C

◆ MATERIAL/FINISH



Contact : Copper Alloy / Au over Ni Plating
Locking Tab : Copper Alloy / Sn-Ag Plating
Housing : Heat Resistance Resin(UL94V-0) /Black
Locator : Heat Resistance Resin(UL94V-0) /Black

Connector

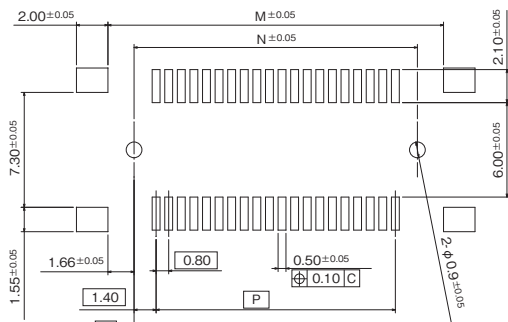
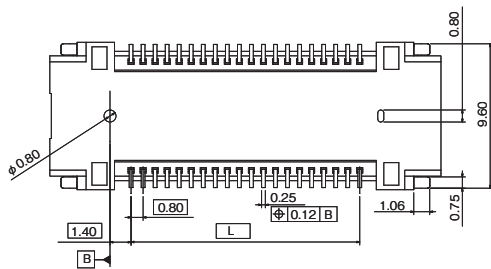
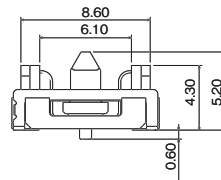
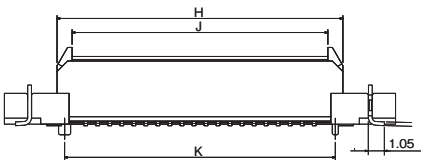
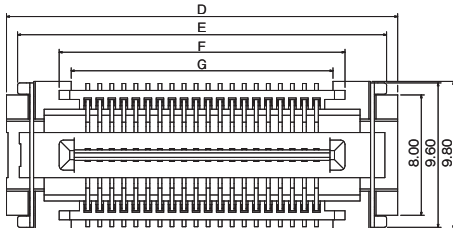


▶ Plug Connector

DFR-PAV040-1A1

Number of Contacts
 030 : 30 pin
 040 : 40 pin
 060 : 60 pin
 070 : 70 pin

Packing Style
 A1 : Emboss Packing
 B1 : Tray packing



Recommended P.C.B. layout
 (View from mounting side)

DFR Connector Stacking Height

Stacking Height	5.5mm	9.5mm
Plug	DFR-PAV□□-1□□	DFR-PAV□□□-1□□
Receptacle	DFR-RAV□□□-1036□□	DFR-RAV□□□□-1076□□
Locator Height	—	4.0mm

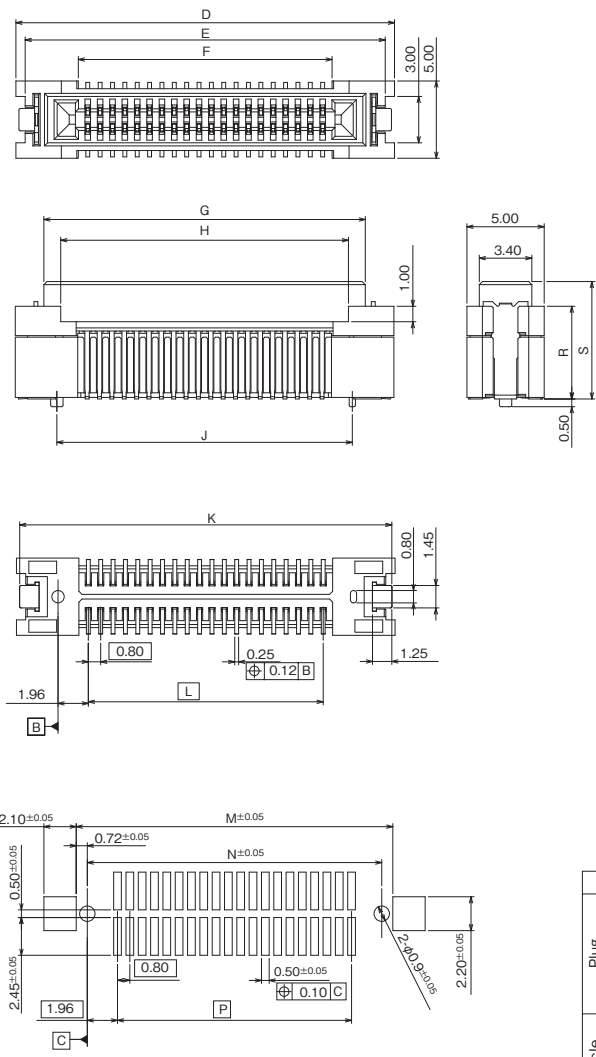
P/N	Dimensions										
	D	E	F	G	H	J	K	L	M	N	P
DFR-PAV040-1□	26.00	24.53	19.00	17.40	19.00	17.00	18.00	15.20	21.32	18.00	15.20
DFR-PAV060-1□	34.00	32.53	27.00	25.40	27.00	25.00	26.00	23.20	29.32	26.00	23.20
DFR-PAV070-1□	38.00	36.53	31.00	29.40	31.00	29.00	30.00	27.20	33.32	30.00	27.20

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 Your checking the latest specifications with our drawings would be highly appreciated.

▶ Receptacle Connector

DFR-RAV040-1036A1

Number of Contacts 030 : 30 pin 040 : 40 pin 060 : 60 pin 070 : 70 pin	Packing Style A1 : Emboss Packing B1 : Tray Packing	Connector Height 036 : 3.6mm 076 : 7.6mm 121 : 1.21mm
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P/N	Dimensions	
	R	S
DFR-RAV□□□-1036□□	2.00	3.60
DFR-RAV□□□-1076□□	6.00	7.60
DFR-RAV□□□-1121□□	10.50	12.10

Recommended P.C.B layout
(View from mounting side)

DFR Connector Stacking Height

Stacking Height	5.5mm	9.5mm	14.0mm
Plug	DFR-PAV□□□-1□□	DFR-PAV□□□-1□□	DFR-PAV□□□-1□□
Receptacle			
P/N	DFR-RAV□□□-1036□□	DFR-RAV□□□-1076□□	DFR-RAV□□□-1121□□
Locator Height	—	4.0mm	8.5mm

P/N	Dimensions										
	D	E	F	G	H	J	K	L	M	N	P
DFR-RAV040-1 □□□□□	24.50	23.30	16.62	20.80	18.62	19.12	24.11	15.20	20.56	19.12	15.20
DFR-RAV060-1 □□□□□	32.50	31.30	24.62	28.80	26.62	27.12	32.11	23.20	28.56	27.12	23.20
DFR-RAV070-1 □□□□□	36.50	35.30	28.62	32.80	30.62	31.12	36.11	27.20	32.56	31.12	27.20

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