

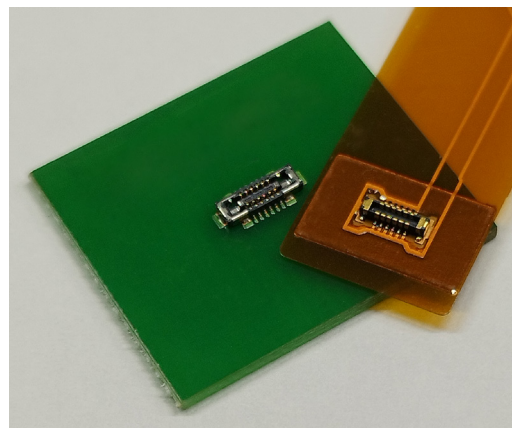
0.35mm pitch Board to Board(FPC) Connector

FB35AT8 Series

DDK Ltd.

OUTLINE

FB35AT8 is a 0.35mm pitch board to board(FPC) connector with a stacking height of 0.8mm. Space-saving design with a depth of 1.65mm.



FEATURE

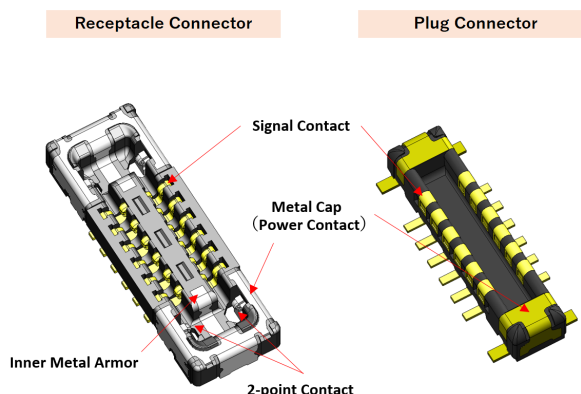
- Pitch 0.35mm, Width 1.65mm, Stacking height 0.8mm
- Number of Contact : 12, 16
- Metal-cap structure prevents from the damage by mis-alignment mating.
- Inner metal armor structure further increases strength
- The power contacts serve with up to 3A current available, which allows for more efficient use of the available connection contacts.
- High reliability with two point contact structure.
- Good click feel when connector is mated.

APPLICATIONS

Smartphone, Smartwatch, other compact portable devices

SPECIFICATIONS

Rated Voltage	30V AC(r.m.s.) / 30V DC
Rated Current	0.4A Signal Contact 3.0A Power Contact
Insulation Resistance	100 MΩ min. at 200V DC
Dielectric Withstand Voltage	AC 200 V (r.m.s.) / 1 minute
Contact Resistance	30 mΩ max. Signal Contact 20 mΩ max. Power Contact
Operating Temperature	-40°C~ +85°C



MATERIAL / FINISH



Item	Material / Finish
Signal Contact	Copper Alloy / Au over Ni Plating
Housing	LCP Resin (UL94V-0) / Black
Power Contact	Copper Alloy / Au over Ni Plating

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

▶ 0.35mm pitch Board to Board(FPC) Connector

Plug Connector

FB35AT 8 - PAXX-3A

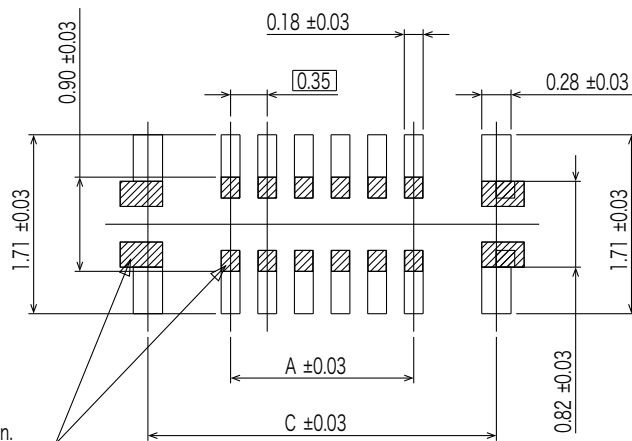
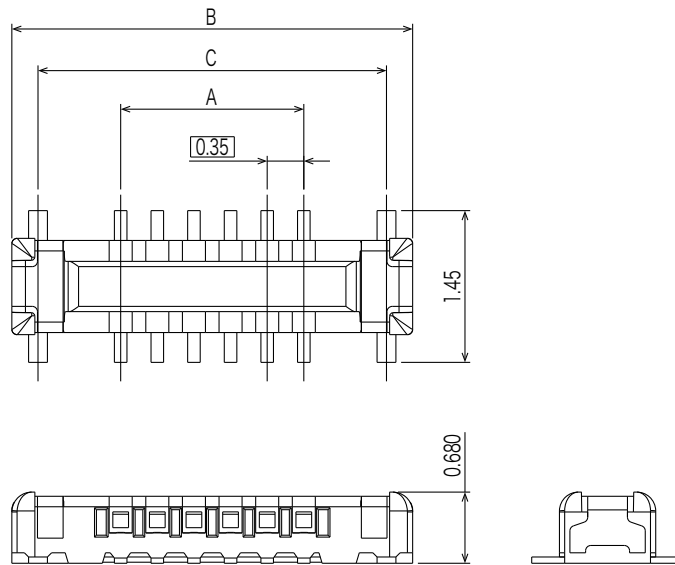
Series Name
 FB35AT : 0.35mm pitch,1.65mm
 depth Board to Board
 Connector

Mating Height
 8 : 0.8mm height

Contact Plating
 3 : Au(Flash) over Ni plating

Number of Contact
 See Table-1

Mating Style
 P : Plug



This hatching area is cover lay or resist coating on the pattern.

Recommended P.C.B Layout

Table-1

Part Number	Number of Contact	A	B	C
FB35AT8-PA12-3A	12	1.75	3.83	3.33
FB35AT8-PA16-3A	16	2.45	4.53	4.03

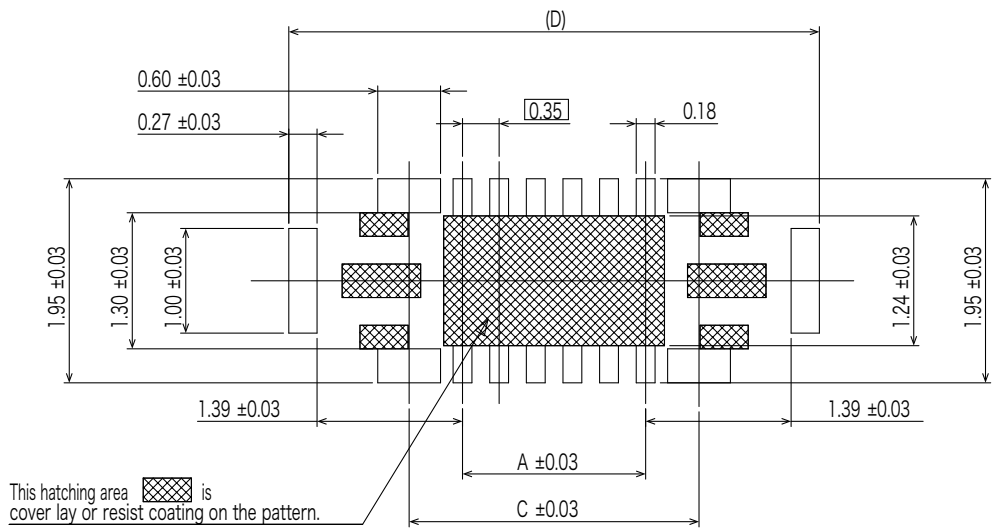
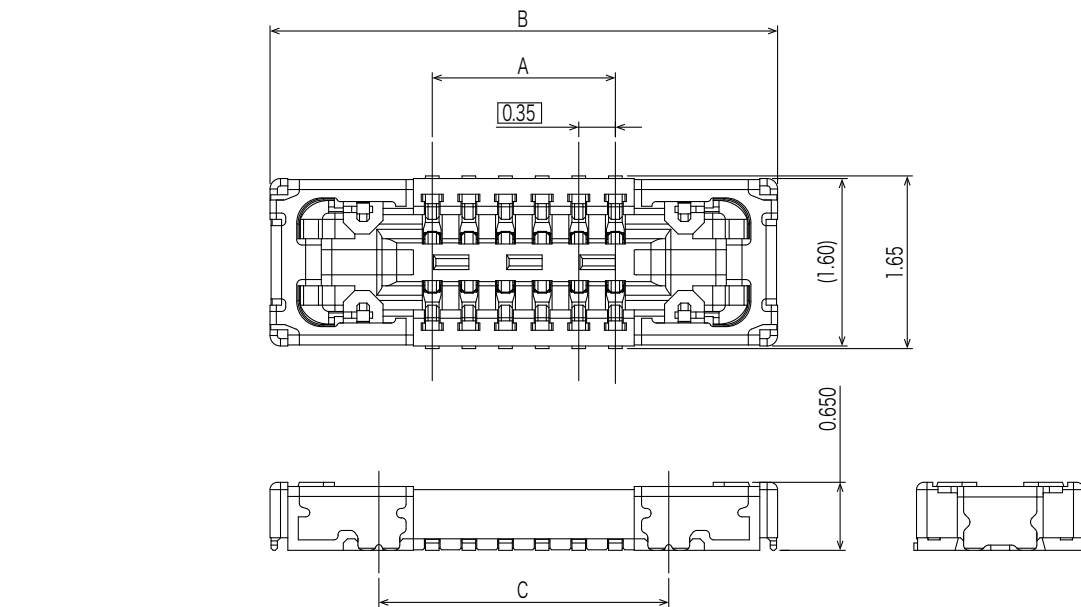
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▶ 0.35mm pitch Board to Board(FPC) Connector

Receptacle Connector

FB35AT 8 - RAXX-3A

Series Name FB35AT : 0.35mm pitch, 1.65mm depth Board to Board Connector	Contact Plating 3 : Au(Flash) over Ni plating
Mating Height 8 : 0.8mm height	Number of Contact See Table-2
	Mating Style R : Receptacle



Recommended P.C.B Layout

Table-2

Part Number	Number of Contact	A	B	C	D
FB35AT8-RA12-3A	12	1.75	4.85	2.77	5.07
FB35AT8-RA16-3A	16	2.45	5.55	3.47	5.77

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