Half Pitch Low Profile Connectors

DHF Series



OUTLINE

DHF series is a half pitch interface connector which is low profile EMI shielded for small and high density applications.

FEATURE

- Low profile, 3mm thinner than DHA series connector
- "D" shaped shell polarization to prevent from mis-mating.
- High reliable, scoop-proof cantilever contact design
- Plastic hood with inner shell for ESD protection
- One touch locking mechanism
- Easy termination by assembly tools

SPECIFICATIONS

Rated Voltage	250V AC(r.m.s.)
Rated Current	0.5A / Contact
Dielectric Withstanding Voltage	500V AC(r.m.s.) at 1 minute
Insulation Resistance	500M Ω min. at 500V DC
Contact Resistance	35m Ω max.
Applicable Cable	AWG#28, 7/0.127 Stranded Cable ϕ 0.58mm

MATERIAL / FINISH

RoHS Compliant

Item	Material / Finish
Contact	Copper Alloy / Au Plating
Front Shell	Brass / Ni Plating
Insulator	LCP Resin or Polyamide Resin / Black
Cover	Polyamide Resin / Black
Inner Shell	Steel / Ni Plating
Hood	ABS Resin
Lock Lever	Stainless Steel + ABS Resin
Cable Clamp	Steel / Sn-Ag Plating
Locator	PBT Resin or LCP Resin / Black
Ground Tab	Copper Alloy / Ni Plating
Lock Screw and Nut	Steel / Ni Plating

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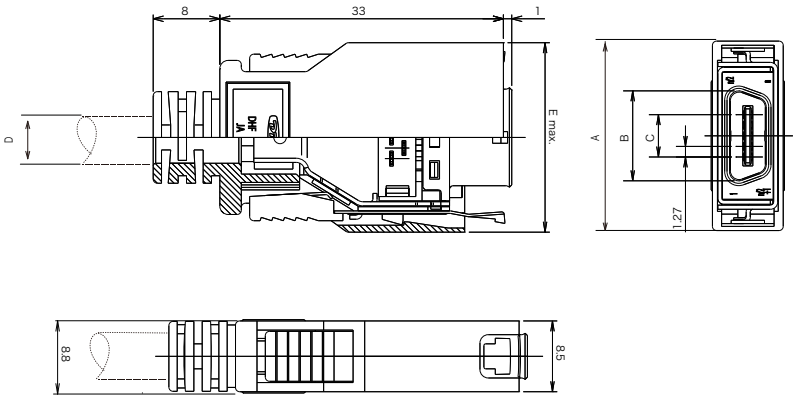
Unit : mm

I/O Cable Plug Connector (Hood)

DHF-PDA10-3-A01-FA

- Mating Style: P: Plug Connector
- Connector Style: DA: I/O Cable Type
- Number of Contact: 10, 20
- Contact Plating:
  1 Contact Area: Au(0.76 μ m) over Ni Plating
  Tail Area: Sn-Ag Plating
  2 Contact Area: Au(0.25 μ m) over Ni Plating
  Tail Area: Sn-Ag Plating
  3 Contact Area: Au(Flash) over Ni Plating
  Tail Area: Sn-Ag Plating
- Hood Style: A: Plastic Hood Straight (Long Hood)
- Hood Color: 0: Black, 1: Beige, 2: Gray, 3: Dark Grry
- 1: DDK Mark
- FA: Lead Free





Part Number	Number of Contact	A	B	C	D	E (max.)
DHF-PDA10- □ -A □ 1-FA	10	22.75	10.80	5.08	5.0	23.75
DHF-PDA20- □ -A □ 1-FA	20	29.10	17.15	11.43	5.8	30.10

Assembly Tools

Assembly Tool	Part Number	Item	Part Number
DHF-HP □□ -D □□ Assembly Tool Set	357J-12463- □□ □ : Number of Contact (ex.) 10 contacts 357J-12463-10	DHF-PDA Cable Wiring and Cable Cutting Tool	357J-12224
		DHF Termination Tool	357J-12198
		DHF Cable Clamp Assembly Tool Set	357J-12773
		DHF Cable Clamp Assembly Tool	357J-12199
		DHF Cable Clamp Locator	357J-12228- □

※ Please refer the instruction manual as attached with DHF assembly tool set.

DHF Cable Calmp Assembly Tool Set		DHF Cable Clamp Assembly Tool	DHF Cable Clamp Locator
for DHF-PDA10,20	357J-12773	357J-12199	357J-12228-1, -2
for DHF-PDA10	357J-12773-10		357J-12228-1
for DHF-PDA20	357J-12773-20		357J-12228-2

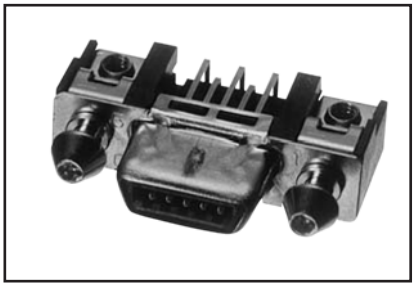
※ DHF cable calmp assembly tools are used depend on the number of contact. Please refer to the above table.

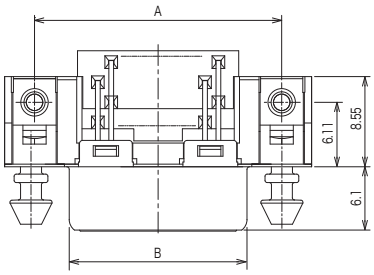
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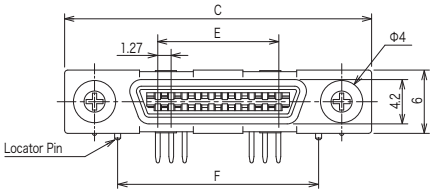
Right Angle Receptacle

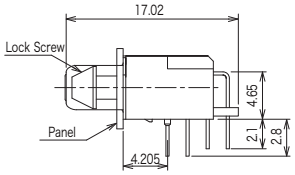
DHF-RAA10-131NB-FA

- Mating Style: R: Receptacle
- Connector Style: AA: Right Angle DIP
- Number of Contact: 10, 20
- Applicable PCB Thickness: 1: 0.8±0.1 ～ 1.0±0.1; 2: 1.6±0.19
- Mounting Style: 1: M2X0.4 Tapped Ground Tab; 3: Board Lock(PCB Thickness1.6)
- Panel Mounting Screw: B: Lock Screw, Panel Thickness0.6±0.05 ～ 0.8±0.05
- Tail Cover: N: Less Cover
- FA: Lead Free
- Contact Plating:
  1 Contact Area: Au(0.76 μ m) over Ni Plating
  Tail Area: Sn-Ag Plating
  2 Contact AREA: Au(0.25 μ m) over Ni Plating
  Tail Area: Sn-Ag Plating
  3 Contact Area: Au(Flash) over Ni Plating
  Tail Area: Sn-Ag Plating

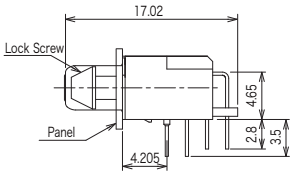




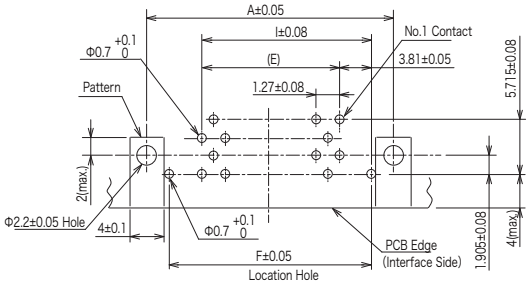




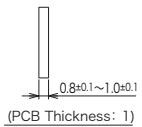
DHF-RAA□□-1□□NB-FA



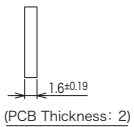
DHF-RAA□□-2□□NB-FA



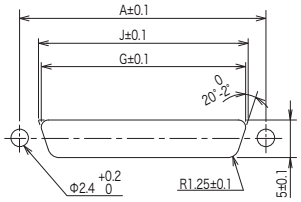
PCB Mounting Dimensions
(View from Mounting Side)



(PCB Thickness: 1)



(PCB Thickness: 2)



Panel Cut-out Dimensions
(Panel Thickness:0.7±0.15)

Part Number	Number of Contact	A	B	C	E	F	G	I	J
DHF-RAA10- □□□ NB-FA	10	17.08	10.50	22.75	5.08	12.70	11.60	8.89	12.67
DHF-RAA20- □□□ NB-FA	20	23.43	16.85	29.10	11.43	19.05	17.95	15.24	19.02

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