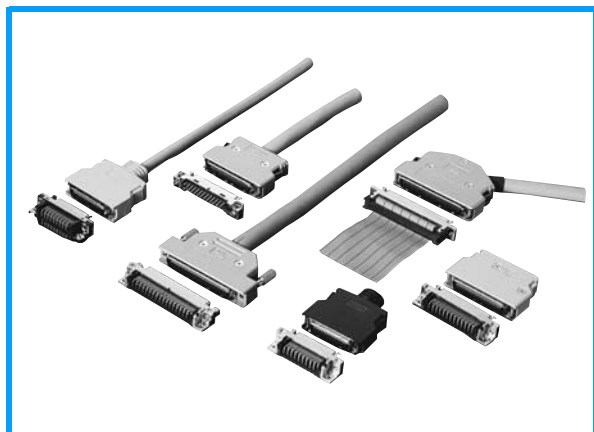


1.27mm Centerline Interface Connectors for SCSI and other Computer Equipment



- SCSI and other interface connections for computers etc..

FEATURE

- Space saving 1.27mm centerline
- Highly-reliable, scoop-proof cantilever contact design
- IDC termination for plug
- “D”-shape shell polarization to eliminate connector mis-mating
- Quick and secure mating lock design
- Closed contact cantilever design for ESD protection
- Solid metal shells for EMI suppression
- Available with over mold plugs

SPECIFICATION

Voltage rating	250V AC (rms)
Current rating	0.5A/contact
Dielectric withstanding voltage	500V AC (rms) for 1 minute
Insulation resistance	500M Ω min. at 500V DC
Contact resistance	35m Ω max.
Applicable cable (for plugs only)	AWG#28, #30 Insulator O.D.: 0.58

MATERIAL/FINISH

Contact	Copper alloy/Gold over Nickel plating
Shell	Brass/Nickel plating
Insulator	PBT resin (UL94V-0)
Hood (metal)	Zinc cast/Non-conductive paint finish (color: gray)
Hood (plastic)	ABS resin (UL94V-0)

■ Plug (Press-in Contact Structure)

DHA-PE36-3TA

CONTACT PLATING

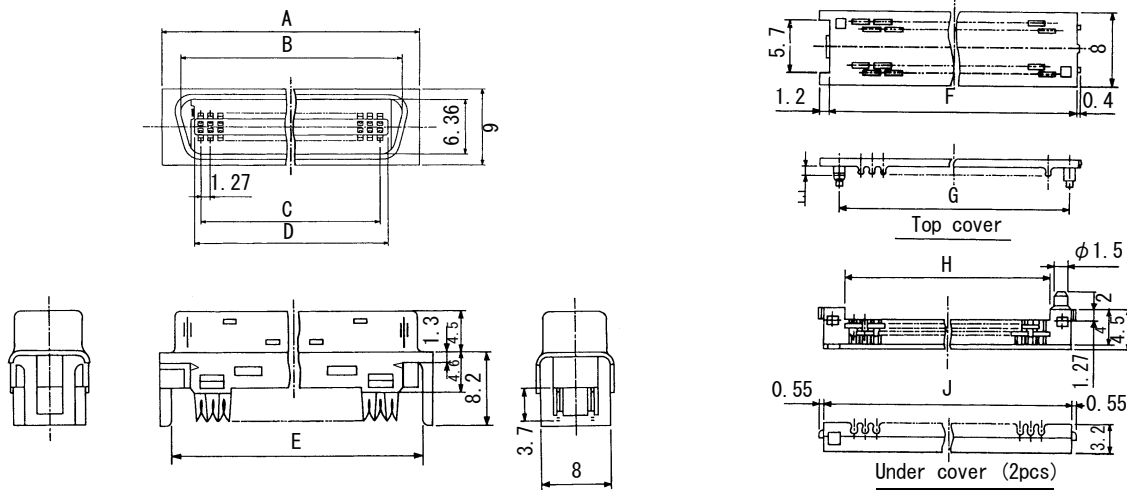
- 1: 0.76 μ m Gold over Nickel
- 2: 0.25 μ m Gold over Nickel
- 3: Gold flash over Nickel

APPLICABLE CABLE

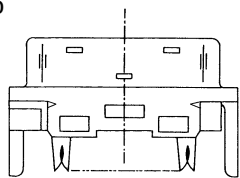
- A: ϕ 0.58 (Color: Black)
- B: ϕ 0.68 (Color: Brown)

T: Tin-lead plating

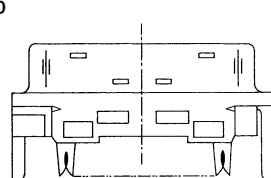
D
DHA



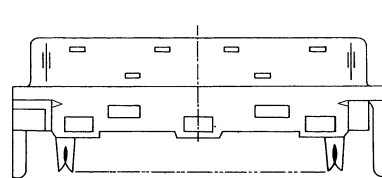
26



36



50



P/N	NO. OF CONTACTS	INSULATOR O. D.	A	B	C	D	E	F	G	H	J
DHA-PE26-□TA	26	ϕ 0.58	24.8	20.4	15.24	17.04	22.4	22.3	20.2	17.3	22.3
DHA-PE26-□TB	26	ϕ 0.68	24.8	20.4	15.24	17.04	22.4	22.3	20.2	17.3	22.3
DHA-PE36-□TA	36	ϕ 0.58	31.2	26.7	21.59	23.39	28.8	28.7	26.6	23.7	28.7
DHA-PE50-□TB	50	ϕ 0.68	40.1	35.6	30.48	32.28	37.6	37.5	35.4	32.5	37.5

Applicable Hood : DHA-HPM□□-1□□□

Plastic Hood

DHA-HPM36-12CC

HOOD COLOR

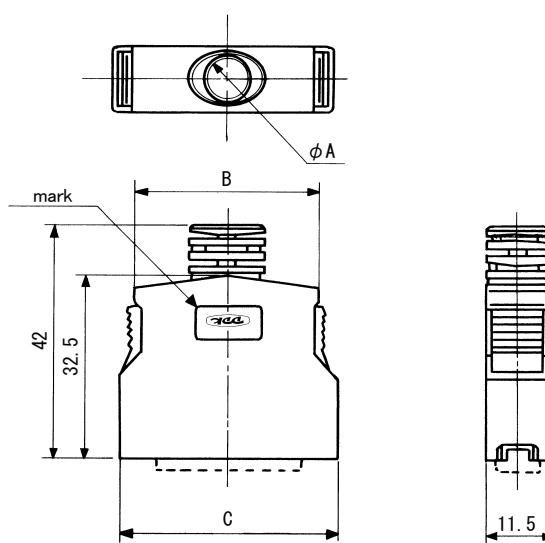
0: Black
1: Beige

APPLICABLE CABLE DIA. FOR HOOD

A: ϕ 6.6 D: ϕ 8.8
C: ϕ 7.9 E: ϕ 5.5

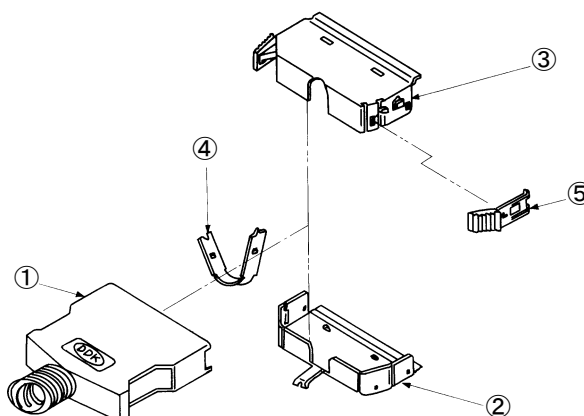
APPLICABLE CABLE DIA. FOR CABLE CLAMP

A: ϕ 6.6 H: ϕ 5.5
C: ϕ 7.9
D: ϕ 8.8



P/N	NO. OF CONTACTS	APPLICABLE CABLE DIA. FOR HOOD	APPLICABLE CABLE DIA. FOR CABLE CLAMP	A	B	C
DHA-HPM26-1□HE	26	ϕ 5.0	ϕ 5.5	5.6	27.9	33.5
DHA-HPM26-1□AA	26	ϕ 6.6	ϕ 6.6	7.0	27.9	33.5
DHA-HPM26-1□CC	26	ϕ 7.9	ϕ 7.9	8.4	27.9	33.5
DHA-HPM36-1□CC	36	ϕ 7.9	ϕ 7.9	8.4	34.2	39.8
DHA-HPM50-1□DD	50	ϕ 8.8	ϕ 8.8	9.5	43.1	48.7

- ①Hood
- ②Inner shell A
- ③Inner shell B
- ④Cable clamp
- ⑤Lock lever



■ Plug (Mold-in Contact Structure)

DHA-PC68-1G

NO. OF CONTACTS

14, 20, 26, 30, 36, 40, 50, 60, 68, 80, 100

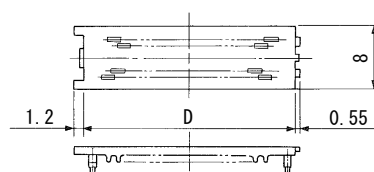
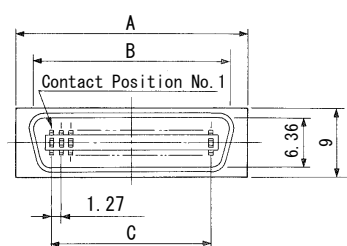
CONTACT REAR PLATING

G: Gold flash over Nickel

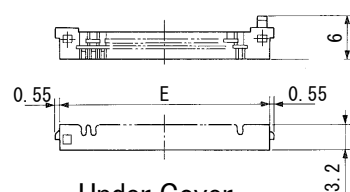
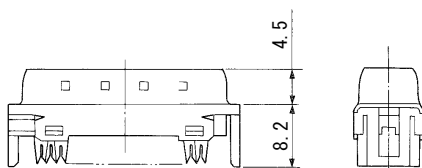
CONTACT PLATING

1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel

D
DHA



Top Cover



Under Cover

NO. OF CONTACTS	A	B	C	D	E
14	17.2	12.8	7.62	14.7	14.7
20	21.0	16.6	11.43	18.5	18.5
26	24.8	20.4	15.24	22.3	22.3
30	27.4	22.9	17.78	24.9	24.9
36	31.2	26.7	21.59	28.7	28.7
40	33.7	29.3	24.13	31.2	31.2
50	40.1	35.6	30.48	37.5	37.5
60	46.4	42.0	36.83	43.9	43.9
68	51.5	47.1	41.91	49.0	49.0
80	59.1	54.7	49.53	56.6	56.6
100	71.8	67.4	62.23	69.3	69.3

Applicable Hood : DHA-HPD□□-1□, DHA-HP□□□

Plastic Hood

DHA-HPD36-10

NO. OF CONTACTS

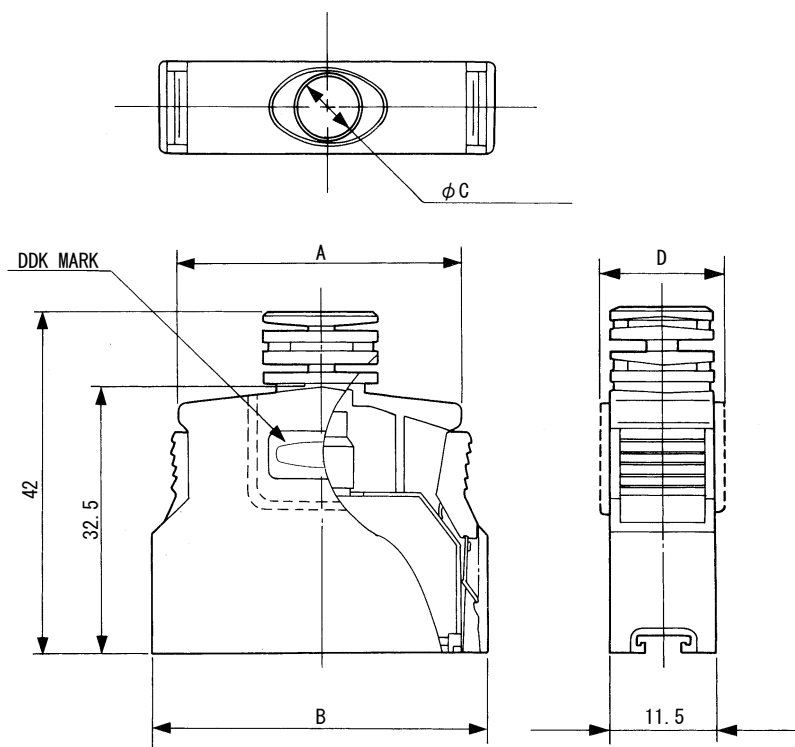
14, 20, 26, 36, 50, 68, 80, 100

HOOD COLOR

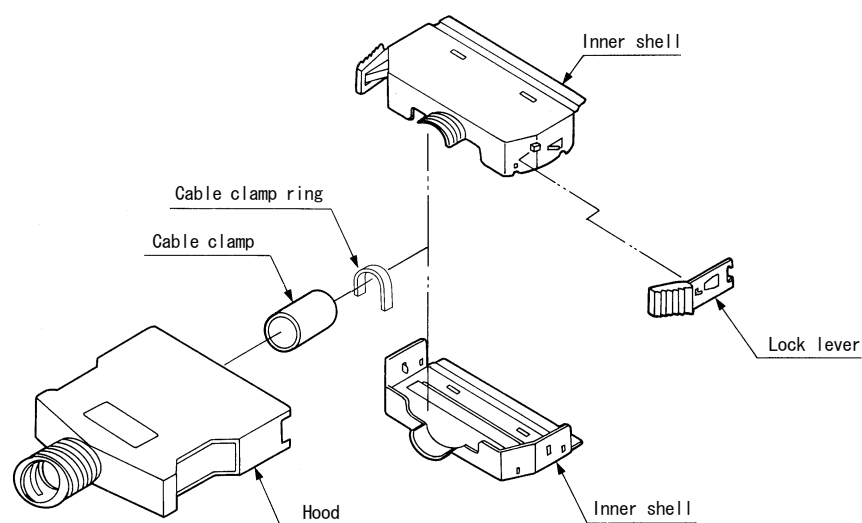
0: Black

1: Beige

2: Gray

D
DHA

NO. OF CONTACTS	A	B	C	D
14	20.2	25.8	6.5	—
20	24.1	29.7	6.7	—
26	27.9	33.5	7.1	—
36	34.2	39.8	8.1	—
50	43.1	48.7	8.7	—
68	54.5	60.1	9.3	—
80	62.1	67.7	10.1	12.4
100	74.8	80.4	10.7	13.0



Applicable Connector : DHA-PC□□-□

DHA Series

Unit : mm

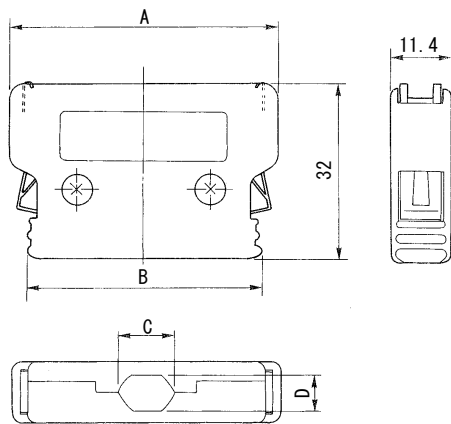
■ Metal Hood

Straight Type

DHA-HPA68

SIZE (NO. OF CONTACTS)
20, 26, 30, 36, 40, 50, 60, 68

D
DHA

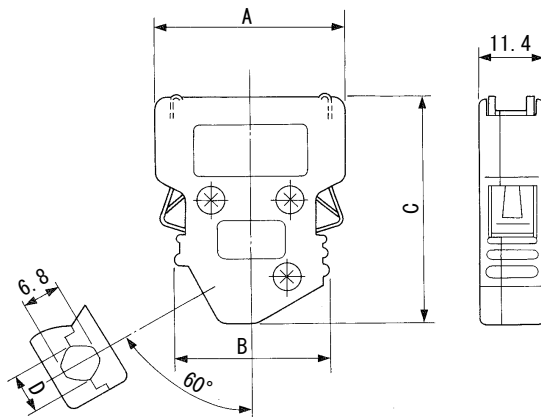


NO. OF CONTACTS	A	B	C	D
20	29.5	23.5	6.58	6.2
26	33.3	27.3	7.23	6.8
30	35.9	29.9	7.64	
36	39.7	33.7	8.23	
40	42.2	36.2	8.73	
50	48.6	42.6	10.23	
60	54.9	48.9	11.16	
68	60.0	54.0	12.07	

60° Angle Type

DHA-HPC68

SIZE (NO. OF CONTACTS)
26, 36, 50, 68, 80



NO. OF CONTACTS	A	B	C	D
26	33.3	27.3	40	7.23
36	39.7	33.7	41	8.23
50	48.6	42.6	41	10.23
68	60.0	54.0	41	12.07
80	67.6	61.6	41	11.33

Applicable Connector : DHA-PC□□-□

Straight Receptacle (Light-Weight Type)

DHA-RY36-S13SNP

CONTACT PLATING

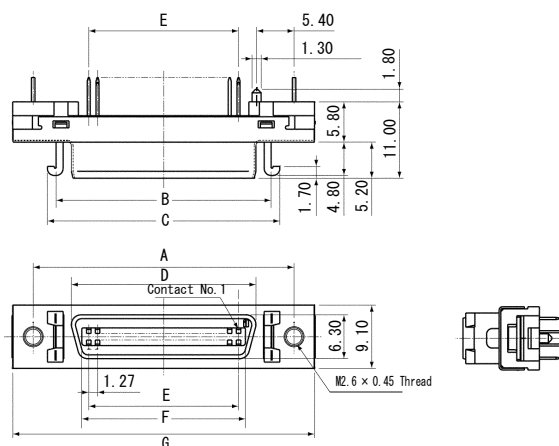
1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel
Tail...Solder plating

BLOCK(MATERIAL)

P: PBT resin
N: 46 Nylon resin

GROUND TAB STYLE

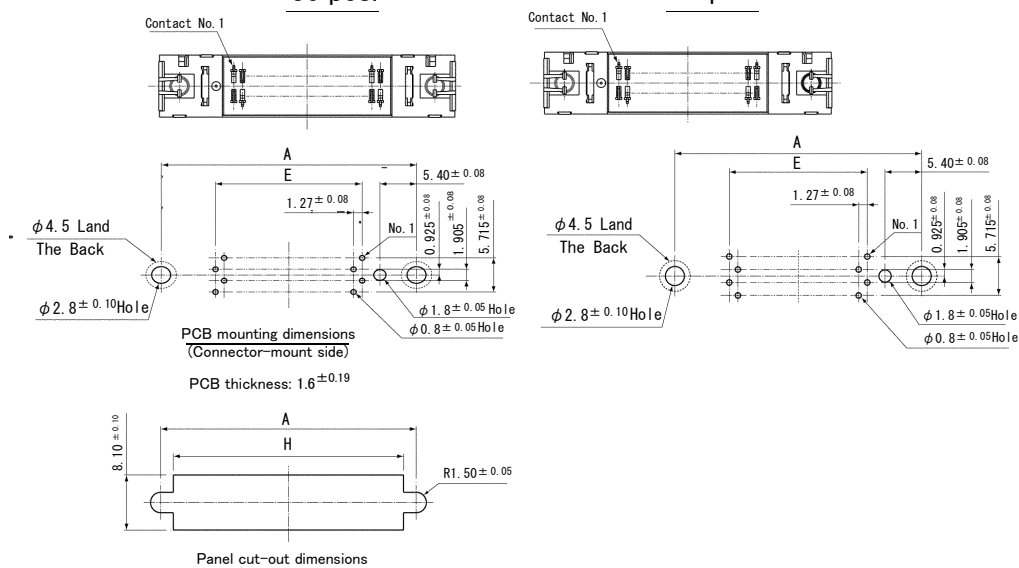
T: Tapping ground tab type
S: Board lock type



P/N	NO. OF CONTACTS	A	B	C	D	E	F	G	H
DHA-RY36-S1□□N□	36	37.61	30.99	33.51	26.60	17 × 1.27 = 21.59	23.59	43.50	33.90
DHA-RY26-S1□□N□	26	31.26	24.64	27.16	20.25	12 × 1.27 = 15.24	17.24	37.15	27.55

36 pos.

26 pos.



Right angle Receptacle (Stamped Metal Shell Type)

DHA-RAD20-R232NN

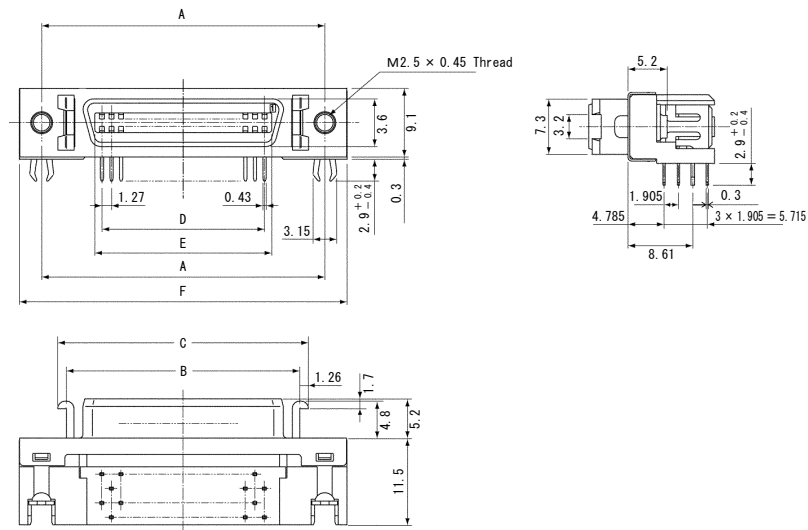
CONTACT PLATING

- 1: 0.76 μ m Gold over Nickel
- 2: 0.25 μ m Gold over Nickel
- 3: Gold flash over Nickel
- Tail...Solder plating

MOUNTING LOCK STYLE

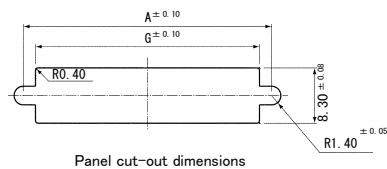
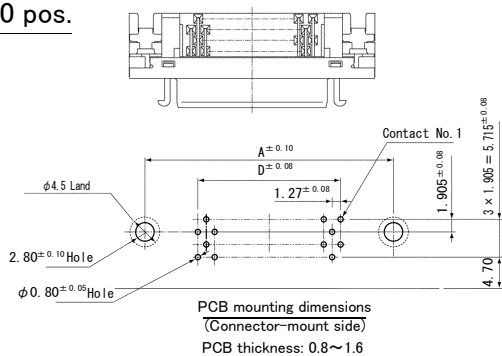
- V: Snap-in clip M2.5 $\times$ 0.45thread
- 2: Snap-in clip M2.6 $\times$ 0.45thread

D
DHA

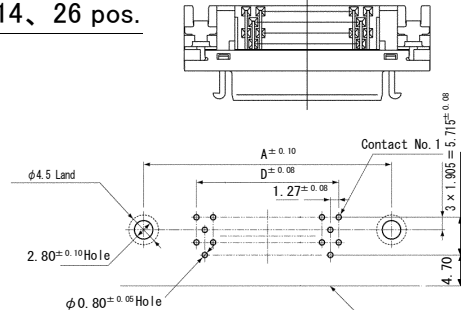


P/N	NO. OF CONTACTS	A	B	C	D	E	F	G
DHA-RAD20-R2□□NN	20	27.45	20.83	23.35	9 $\times$ 1.27 = 11.43	13.43	33.40	23.78
DHA-RAD26-R2□□NN	26	31.26	24.64	27.16	12 $\times$ 1.27 = 15.24	17.24	37.15	27.55
DHA-RAD14-R2□□NN	14	23.64	17.02	19.54	6 $\times$ 1.27 = 7.62	9.62	29.53	19.97

20 pos.



14, 26 pos.



Straight Receptacle (Light-Weight Type)

DHA-RV36-S13TN

NO. OF CONTACTS
26, 36, 50

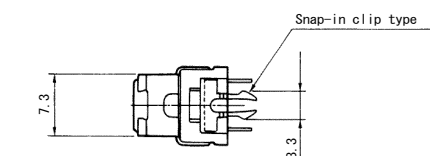
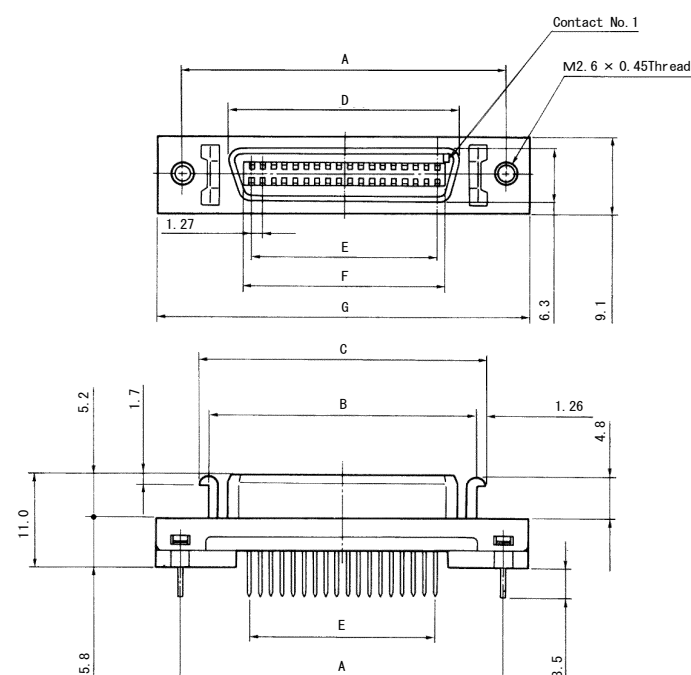
CONTACT PLATING

1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel
Tail...Solder plating

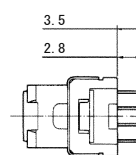
MOUNTING STYLE

T: M2.6 $\times$ 0.45 Tapped ground tab
S: Snap-in clip type
PCB thickness 1.2~1.6mm

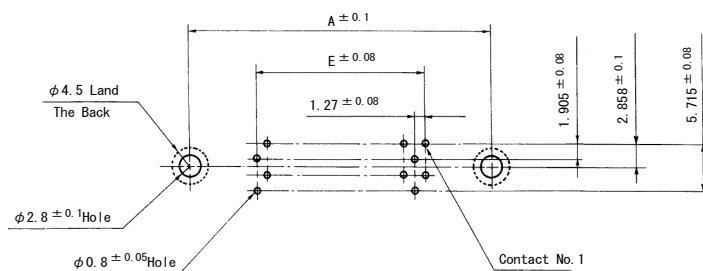
D
DHA



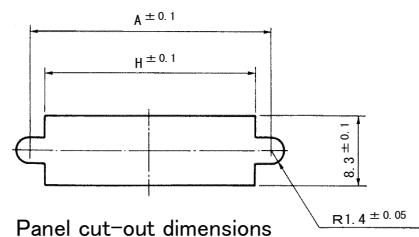
Style of DHA-RV□□-S1□SN



Style of DHA-RV□□-S1□TN



PCB mounting dimensions
(Connector-mount side)



Panel cut-out dimensions

P/N	NO. OF CONTACTS	A	B	C	D	E	F	G	H
DHA-RV26-S1□□N	26	31.26	24.64	27.16	20.25	12 $\times$ 1.27 = 15.24	17.24	37.15	27.60
DHA-RV36-S1□□N	36	37.61	30.99	33.51	26.60	17 $\times$ 1.27 = 21.59	23.59	43.50	33.90
DHA-RV50-S1□□N	50	46.50	39.88	42.40	35.49	24 $\times$ 1.27 = 30.48	32.48	52.39	42.80

Right angle Receptacle (Light-Weight Type)

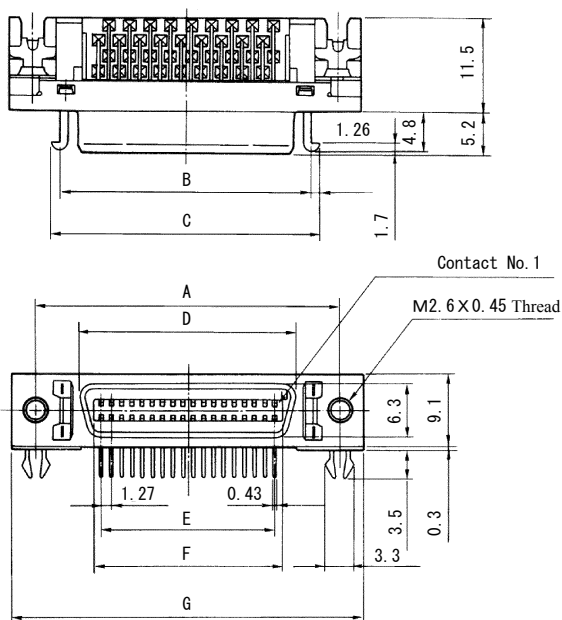
DHA-RP36-R23AN

NO. OF CONTACTS
14, 26, 36, 50

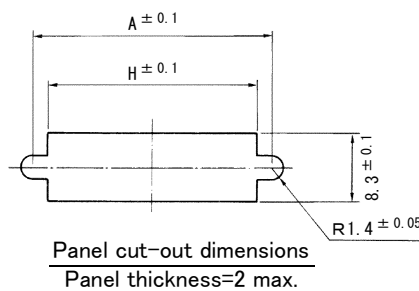
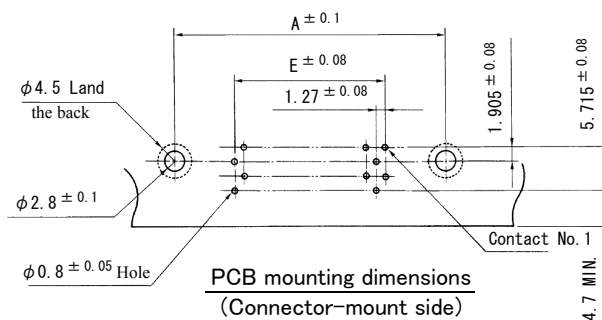
CONTACT PLATING
1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel
Tail...Solder plating

MOUNTING STYLE
A: Snap-in clip type

D
DHA



(PCB thickness 0.8mm ~ 1.6mm)



P/N	NO. OF CONTACTS	A	B	C	D	E	F	G	H
DHA-RP14-R2□AN	14	23.64	17.02	19.54	12.63	6 × 1.27 = 7.62	9.62	29.57	19.97
DHA-RP26-R2□AN	26	31.26	24.64	27.16	20.25	12 × 1.27 = 15.24	17.24	37.19	27.59
DHA-RP36-R2□AN	36	37.61	30.99	33.51	26.60	17 × 1.27 = 21.59	23.59	43.54	33.94
DHA-RP50-R2□AN	50	46.50	39.88	42.40	35.49	24 × 1.27 = 30.48	32.48	52.43	42.83

■ Right angle Receptacle (Stamped Metal Shell Type)

DHA-RA68-R111N

NO. OF CONTACTS

26, 30, 36, 40, 50, 68,

CONTACT PLATING

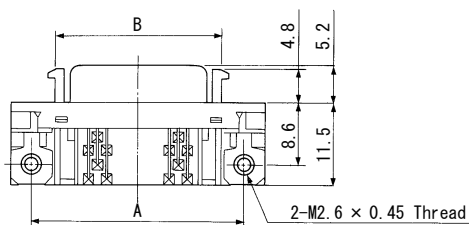
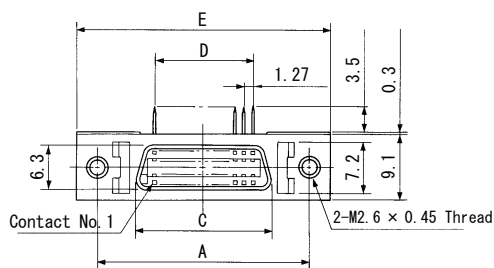
1: 0.76 μ m Gold over Nickel
 2: 0.25 μ m Gold over Nickel
 3: Gold flash over Nickel
 Tail...Solder plating

REAR COVER

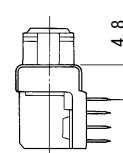
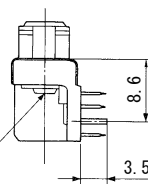
N: Without cover
 C: With cover

MOUNTING STYLE

1: M2.6 $\times$ 0.45 tapped ground tab
 (for DHA-RA)
 M2.6 $\times$ 0.45 thread on solid
 Metal shell (for DHA-RC/RB)
 2: Snap-in clip type



NO. OF CONTACTS	A	B	C	D	E	F
26	31.26	24.64	20.3	15.24	37.2	27.59
30	33.80	27.18	22.8	17.78	39.7	30.13
36	37.61	30.99	26.6	21.59	43.5	33.94
40	40.15	33.53	29.2	24.13	46.1	36.48
50	46.50	39.88	35.5	30.48	52.4	42.83
68	57.93	51.31	47.0	41.91	63.9	54.26



Snap-in clip mounting type

Screw mounting type

Right angle Receptacle (Solid Metal Shell Type)

DHA-RC68-R111N

NO. OF CONTACTS

14, 20, 26, 36, 40, 50, 60,
68, 80, 100

CONTACT PLATING

1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel
Tail...Solder plating

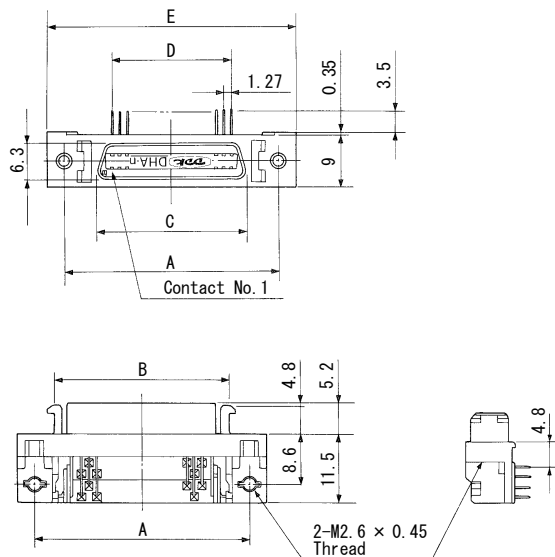
REAR COVER

N: Without cover
C: With cover
(26, 36, 40, 50, 68)

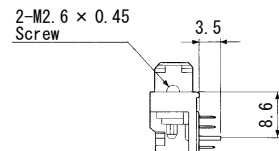
MOUNTING STYLE

1: M2.6 $\times$ 0.45 tapped ground tab
(for DHA-RA)
M2.6 $\times$ 0.45 thread on solid
Metal shell (for DHA-RC/RB)
2: Snap-in clip type

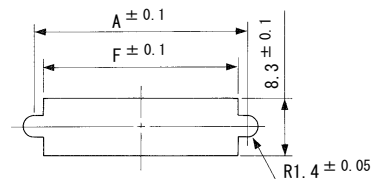
D
DHA



Screw mounting type

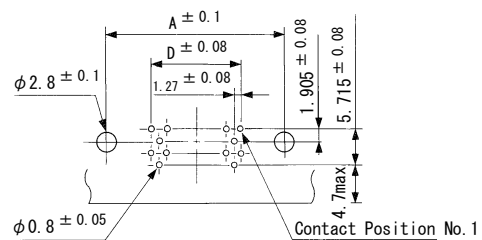


Snap-in clip mounting type



Panel cut-out dimensions
Panel thickness=2 max.

NO. OF CONTACTS	A	B	C	D	E	F
14	23.64	17.02	12.7	7.62	29.57	19.97
20	27.45	20.83	16.5	11.43	33.38	23.78
26	31.26	24.64	20.3	15.24	37.19	27.59
36	37.61	30.99	26.6	21.59	43.54	33.94
40	40.15	33.53	29.2	24.13	46.08	36.48
50	46.50	39.88	35.5	30.48	52.43	42.83
60	52.85	46.23	41.9	36.83	58.78	49.18
68	57.93	51.31	47.0	41.91	63.86	54.26
80	65.55	58.93	54.6	49.53	71.48	61.88
100	78.25	71.63	67.3	62.23	84.18	74.58



PCB mounting dimensions
(Connector-mount side)

PCB thickness: $1.6^{+0.19}_{-0.1}$ (for snap-in clip mounting)
 $1.6^{+0.19}_{-0.1}$ (for screw mounting)

Straight Receptacle (Solid Metal Shell Type)

DHA-RB68-S111N

NO. OF CONTACTS

20, 26, 40, 50, 68, 80,

CONTACT PLATING

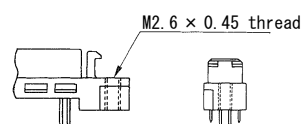
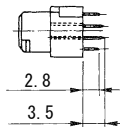
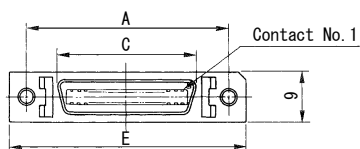
1: 0.76 μ m Gold over Nickel
 2: 0.25 μ m Gold over Nickel
 3: Gold flash over Nickel
 Tail...Solder plating

REAR COVER

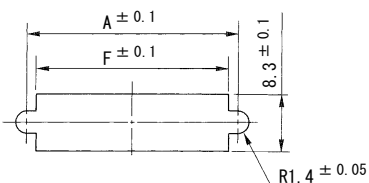
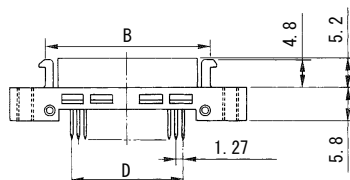
N: Without cover
 C: With cover

MOUNTING STYLE

1: M2.6 $\times$ 0.45 tapped ground tab
 (for DHA-RA)
 M2.6 $\times$ 0.45 thread on solid
 Metal shell (for DHA-RC/RB)
 2: Snap-in clip type



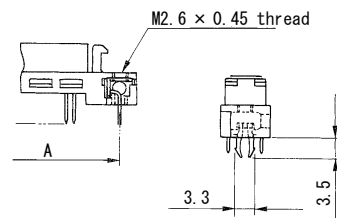
Screw mounting type



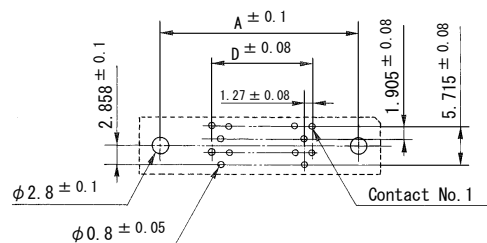
Panel cut-out dimensions

Panel thickness=2 max.

NO. OF CONTACTS	A	B	C	D	E	F
20	27.45	20.83	16.5	11.43	33.38	23.78
26	31.26	24.64	20.3	15.24	37.19	27.59
40	40.15	33.53	29.2	24.13	46.08	36.48
50	46.50	39.88	35.5	30.48	52.43	42.83
68	57.93	51.31	47.0	41.91	63.86	54.26
80	65.55	58.93	54.6	49.53	71.48	61.88



Snap-in clip mounting type



PCB mounting dimensions
 (Connector-mount side)

PCB thickness: $1.6^{+0.19}_{-0.1}$ (for snap-in clip mounting)
 $1.6^{+0.19}$ (for screw mounting)

■ Receptacle-Flat Cable Type

DHA-RE68-1TS

No. OF CONTACTS: 50, 68

CONTACT PLATING

- 1: 0.76 μ m Gold over Nickel
- 2: 0.25 μ m Gold over Nickel
- 3: Gold flash over Nickel

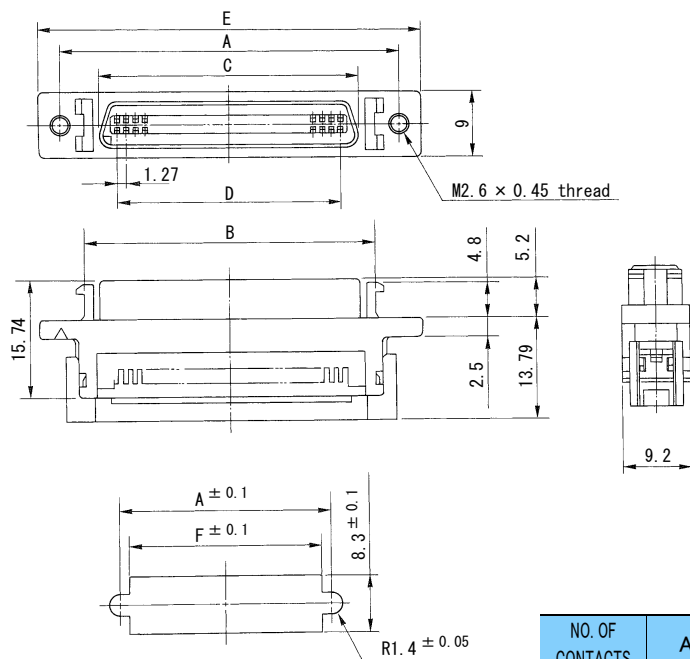
STRAIN RELIEF

- N: less strain relief
S: with strain relief

CONTACT TAIL PLATING

- T: Solder plating

D
DHA



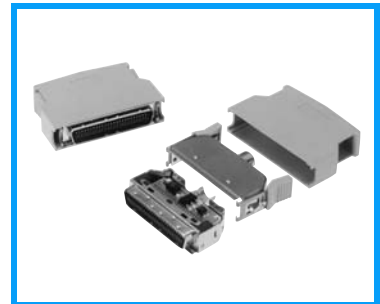
Panel cut-out dimensions
Panel thickness=2 max.

NO. OF CONTACTS	A	B	C	D	E	F
50	46.50	39.88	35.5	30.48	52.43	42.83
68	57.93	51.31	47.0	41.91	63.86	54.26

■ SCSI Terminators

SPECIFICATION

Voltage rating	5V DC (normal) 5.25V max
Current rating	500mA max. (power) 30mA max. (signal)
Temperature	-10°C to +60°C
Continuous	1.9W max.



MATERIAL/FINISH

Insert	LCP resin (UL94V-0)/Black
Contact	Copper alloy/Gold plating
Hood	ABS resin (UL94V-0)/Beige

Passive Terminator

DHA-T50-A311A

ELECTRIC CIRCUIT

- A: Less capacitor single end passive type
B: With capacitor single end passive type

CONTACT PLATING

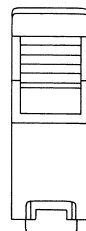
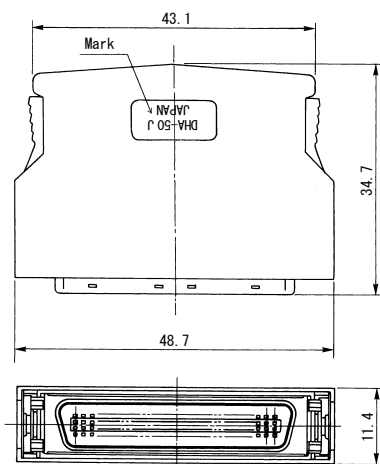
- 1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel
4: 0.5 μ m Gold over Nickel

Active Terminator

DHA-T50-D311A

CONTACT PLATING

- 1: 0.76 μ m Gold over Nickel
2: 0.25 μ m Gold over Nickel
3: Gold flash over Nickel
4: 0.5 μ m Gold over Nickel



● Mark

- No designation : Less capacitor passive type
B : With capacitor passive type
J : Active type

DHA Series

Unit : mm

■ Dust Cover (Plastic)

DHA-26RB-405

NO. OF CONTACTS

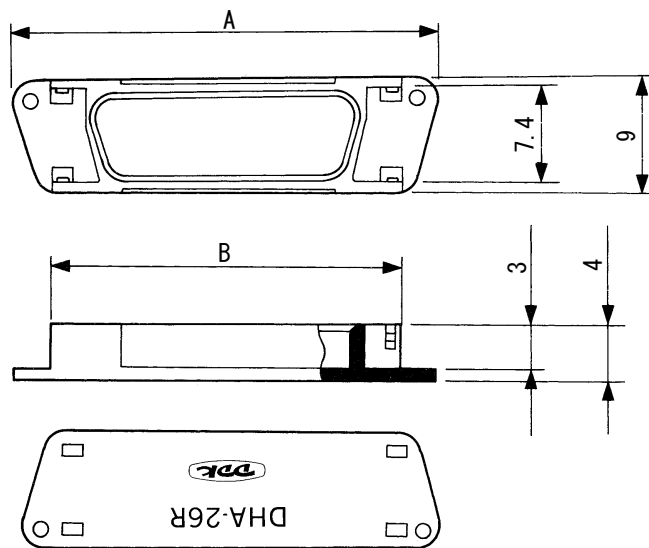
20, 26, 30, 36, 40, 50, 60, 68

COVER COLOR

B: Black

COVER STYLE

R: Receptacle

D
DHA

P/N	NO. OF CONTACTS	A	B
DHA-20RB-405	20	30.63	18.09
DHA-26RB-405	26	34.44	27.94
DHA-36RB-405	36	40.79	34.29
DHA-40RB-405	40	43.33	36.83
DHA-50RB-405	50	49.68	43.18
DHA-68RB-405	68	61.11	54.61

■ Cable Assembly Tools

Componet Tool P/N	Applicable connector
357J-14431: Cable wiring tool	for DHA-PC□□ without hood
357J-8599N: Cover assembly tool	
357J-13957: Cable cutting tool	
357J-9761S: Tool Kit	for DHA-PC□□ with plastic hood
357J-11934: Cable clmp ring assembly tool	
357J-11935-□: Attachment for cable clamp ring	
357J-11628: Cable clamp assembly tool	
357J-11662-□: Locator for cable clamp	for DHA-RE□□
357J-10953: Cover assembly tool	
357J-15495: Cable cutting tool	
357J-10955: Cover termination tool	
357J-10957: Attachment for final termination	
357J-10956: Final termination tool	

Attachment and Locator for DHA-PC □□ with plastic hood

NO. OF CONTACTS	Attachment P/N	Locator P/N	Applicable Tool Kit P/N
14	357J-11935-1	357J-11662-1	357J-12042-014
20	357J-11935-1	357J-11662-2	357J-12042-020
26	357J-11935-1	357J-11662-3	357J-12042-026
36	357J-11935-2	357J-11662-5	357J-12042-036
50	357J-11935-2	357J-11662-7	357J-12042-050
68	357J-11935-3	357J-11662-9	357J-12042-068
80	357J-11935-3	357J-11662-10	357J-12042-080
100	357J-11935-3	357J-11662-11	357J-12042-100

P/N: 357J-14431

Cable wiring tool

P/N: 357J-8599N

Cover assembly tool

P/N: 357J-13957

Cable cutting tool

P/N: 357J-11628

Cable clamp assembly tool

P/N: 357J-11934

Cable clamp ring assembly tool