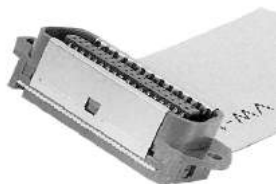


Shielded IDC Flat Cable Connector

57FE Series

DDK Ltd.

10 Type
(Plug for Rack and Panel)



20 Type
(Receptacle for Rack and Panel)



30 Type
(Cable Plug)



40 Type
(Panel Receptacle)



FEATURE

- 57FE series is a shielded IDC connectors for flat cable. It is covered the interface by the metal plates for EMC.

SPECIFICATIONS

Rated Voltage	250V AC (r.m.s.)
Rated Current	1A / Contact
Dielectric Withstanding Voltage	500V AC (r.m.s.) / 1 minute
Insulation Resistance	1000M Ω min. at 500V DC
Contact Resistance	35m Ω max.
Operating Temperature	- 55°C ~ + 105°C
Applicable Cable	Cable Pitch : 1.27mm AWG#28 (Solid Cable, Stranded Cable) AWG#30 (Solid Cable)

MATERIAL/ FINISH



Item	Material / Finish
Insulator	PC Resin (UL94V-0) / Blue
Contact	Copper Alloy / Au over Ni Plating
Shell	Copper Alloy / Ni Plating (57FE-20, 40 Type)
Strain Relief	Polycarbonate (UL94V-0) /Blue
Ground Tab	Copper Alloy / Ni Plating (57FE-10, 30 Type)
Bail Lock	Stainless Steel (57FE-40 Type)
Metal Hood	Aluminum Alloy / Gray (Outside Only)
Plastic Hood	ABS Resin / Ni Plating
Boot	PVC (57FE-30 Type)

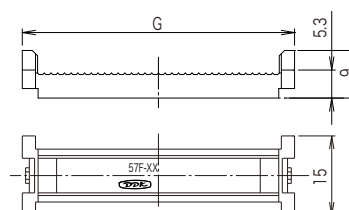
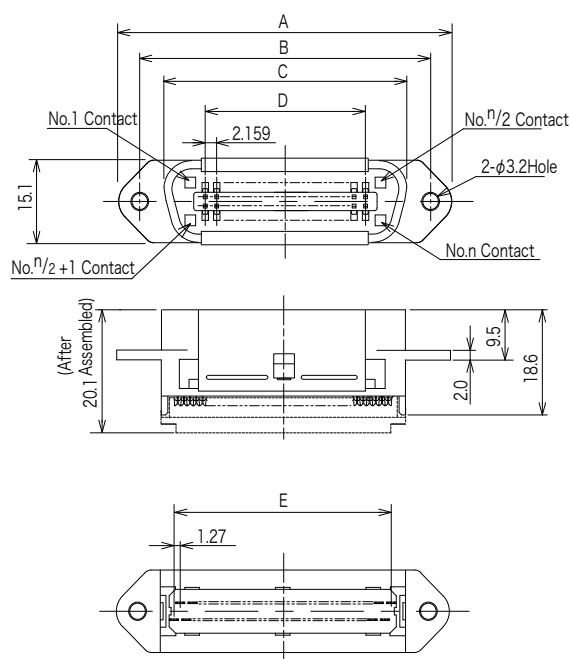
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Please verify the latest specifications with our drawings.

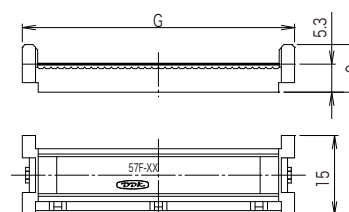
▶ Plug for Rack and Panel

57FE-10360-20

FE : Shield Type

Number of Contact
24, 36, 50Cover Style
0 : Open-ended Cover, Blue
A : Close-ended Cover, Blue(for 24 and 36pin only)Contact Plating
2 : Au0.4 μ m over Ni Plating

Open-ended Cover

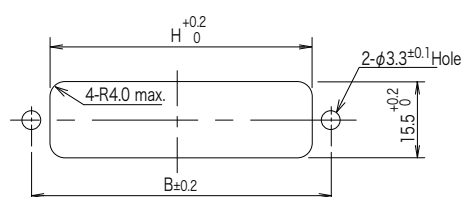


Close-ended Cover

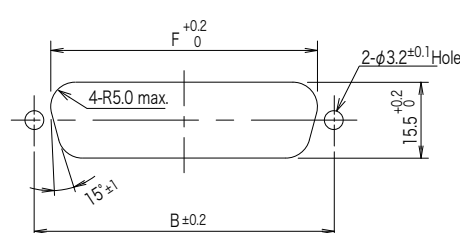
Number of Contact	A	B	C	D	E	G
24	54.78	46.78	39.4	23.749	29.21	36.3
36	67.74	59.74	52.2	36.703	44.45	51.5
50	82.85	74.85	67.4	51.816	62.23	68.5

■ Panel Mounting Dimensions

● Front Mounting Type



● Rear Mounting Type

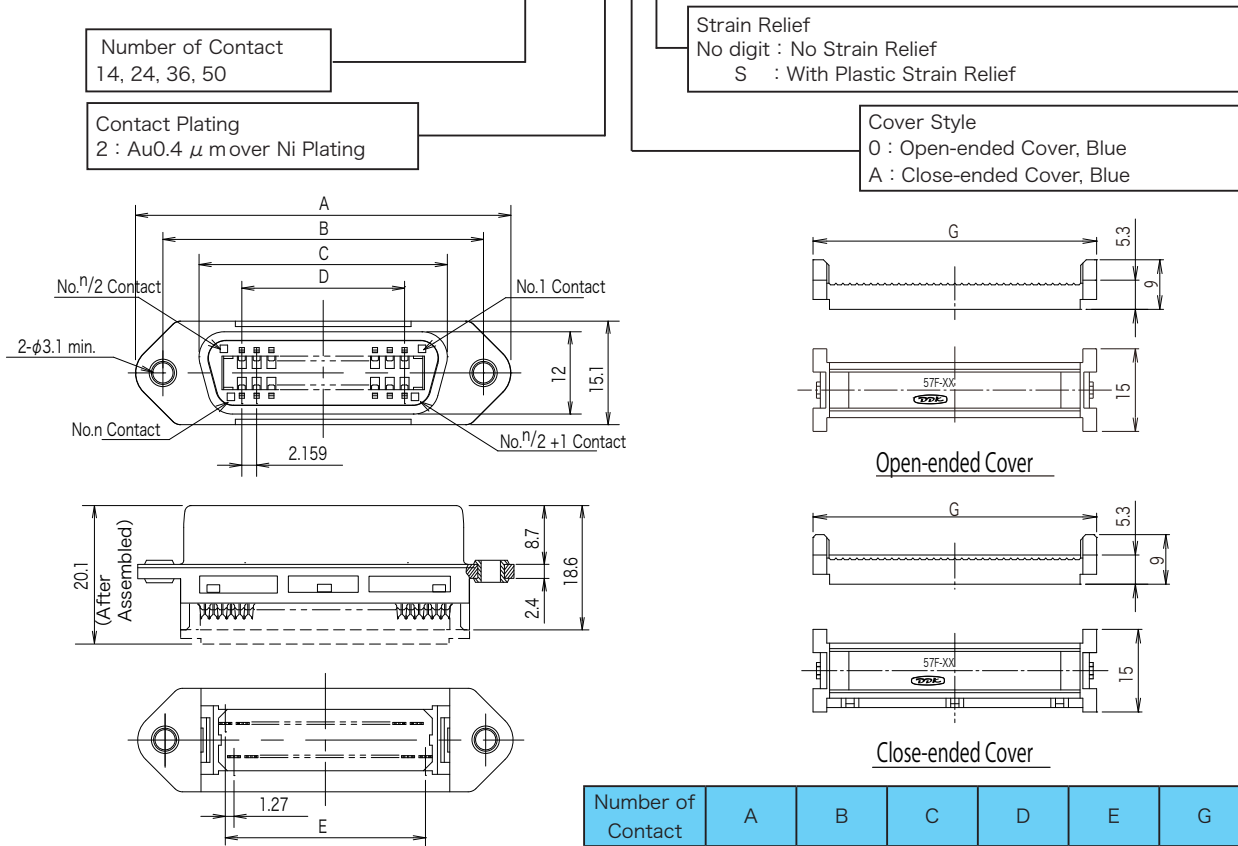


Number of Contact	B	H		F
		with Strain Relief	without Strain Relief	
24	46.78	36.8	38.7	40.1
36	59.74	52.0	53.9	53.0
50	74.85	69.0	70.9	68.2

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Please verify the latest specifications with our drawings.

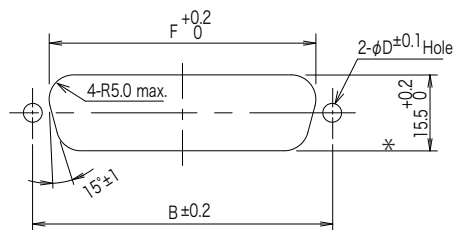
▶ Receptacle for Rack and Panel

57FE-20360-20S



■ Panel Mounting Dimensions

● Rear Mounting Type

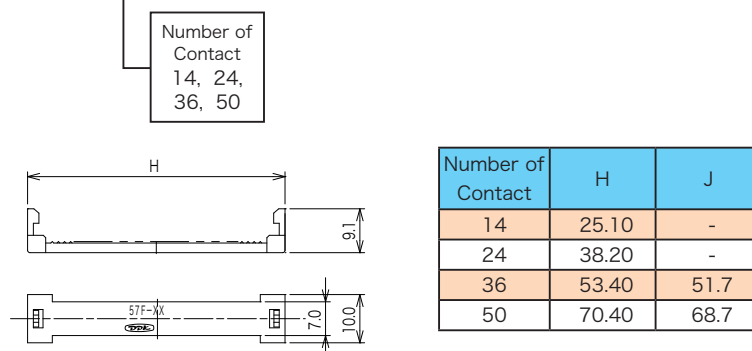


Number of Contact	B	D	F
14	36.00	3.2	29.3
24	46.78	3.2	40.1
36	59.74	3.2	53.0
50	74.85	3.2	68.2

* : When the mating connector is 57FE-10 type, the size is $16.2^{+0.2}_0$.

Plastic Strain Relief

57F-14-041



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Please verify the latest specifications with our drawings.

▶ Receptacle for Rack and Panel(with Jack Socket)

57FE-20500-20SD35-CG

Number of Contact : 14, 24,
36, 50

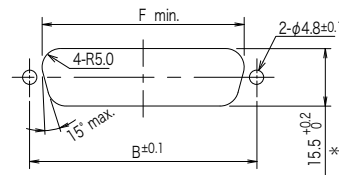
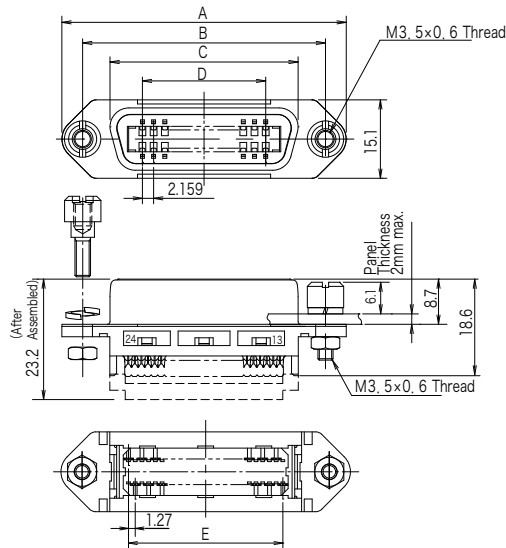
Contact Plating
2 : Au0.4 μ m over Ni Plating

Cover Style
0 : Open-ended Cover, Blue
A : Close-ended Cover, Blue(for 14,24 and 36 pin only)

CG : Lead and Cadmium Free

Deviation
D35 : With Jack Socket

Strain Relief
No Digit : None
S : With Plastic Strain Relief



Rear Mounting Type

* : When the mating connector is 57FE-10 type, the size is 16.2^{+0.2}₀.

Number of Contact	A	B	C	D	E	F
14	44.00	36.00	25.4	12.954	16.51	29.3
24	54.78	46.78	36.2	23.749	29.21	40.1
36	67.74	59.74	49.0	36.703	44.45	53.0
50	82.85	74.85	64.2	51.816	62.23	68.2

▶ Cable Plug

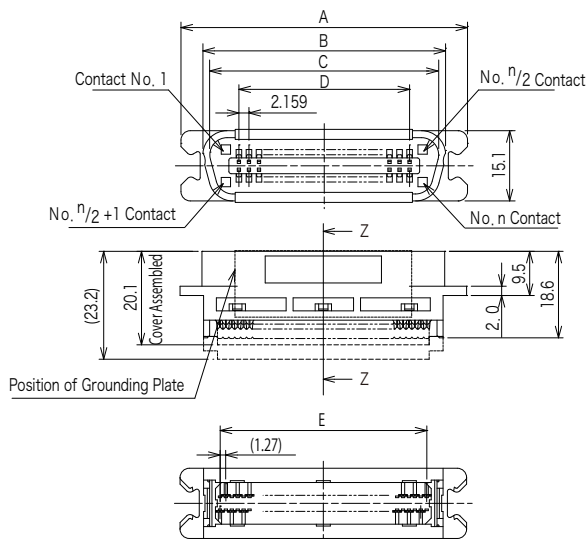
57FE-30360-20S

Number of Contact : 14, 24,
36, 50

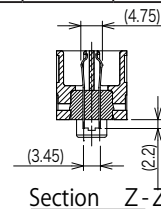
Contact Plating
2 : Au0.4 μ m over Ni Plating

Strain Relief
No Digit : None
S : With Plastic Strain Relief

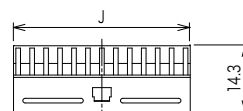
Cover Style
0 : Open-ended Cover, Blue
A : Close-ended Cover, Blue(for 14,24 and 36 pin only)



Number of Contact	A	B	C	D	E	J
14	37.82	28.6	25.5	12.954	16.51	17.0
24	48.64	39.4	36.4	23.749	29.21	26.0
36	61.62	52.2	49.2	36.703	44.45	38.0
50	76.74	67.4	64.4	51.816	62.23	53.0



Section Z-Z



Grounding Plate (attached)

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Please verify the latest specifications with our drawings.

▶ With hood and grounding plate 30 Type

57FE-30360-20N(D8)-3F

Number of Contact
14, 24, 36, 50

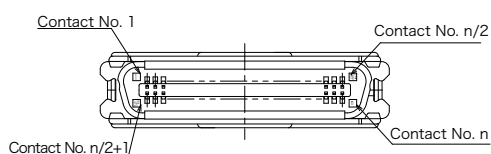
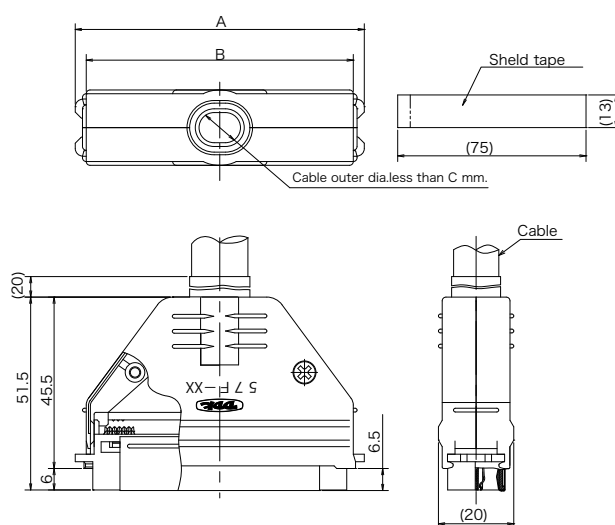
Contact Plating
2 : Au0.4 μ m over Ni Plating

Cover Style
0 : Open-ended Cover, Blue
A : Close-ended Cover, Blue(for 14,24 and 36 pin only)

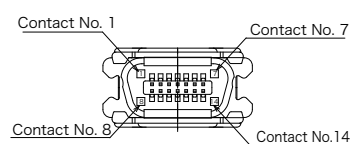
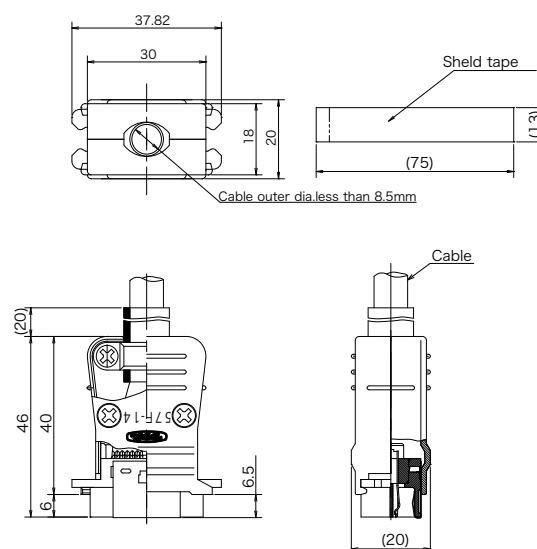
3F : Lead and Hexavalent Chromium Free

Deviation
(D8) : With hood and grounding plate

57FE-30xx0-2xN(D8)-3F



57FE-30140-2xN(D8)-3F



Dimensions

Part Number	Number of Contact	A	B	C
57FE-30140-2xN(D8)-3F	14	Figure referring (57FE-30140-2xN(D8)-3F)		
57FE-30240-2xN(D8)-3F	24	48.64	39.8	10.0
57FE-30360-2xN(D8)-3F	36	61.62	55.0	12.0
57FE-30500-xxN(D8)-3F	50	76.74	70.4	13.0

▶ Panel Receptacle

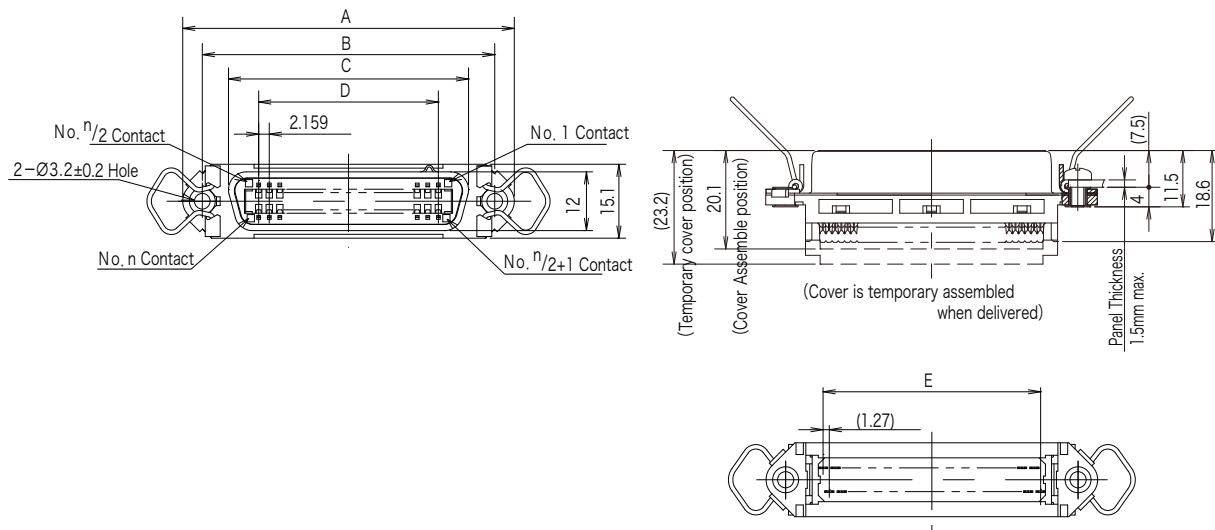
57FE-40360-20S

Number of Contact : 14, 24,
36, 50

Contact Plating
2 : Au0.4 μ m over Ni Plating

Strain Relief
No Digit : None
S : With Plastic Strain Relief

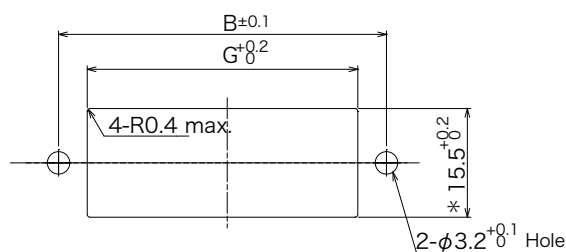
Cover Style
0 : Open-ended Cover, Blue
A : Close-ended Cover, Blue(for 14,24 and 36 pin only)



Number of Contact	A	B	C	D	E
14	44.0	36.00	25.4	12.954	16.51
24	54.78	46.78	36.2	23.749	29.21
36	67.74	59.74	49.0	36.703	44.45
50	82.85	74.85	64.2	51.816	62.23

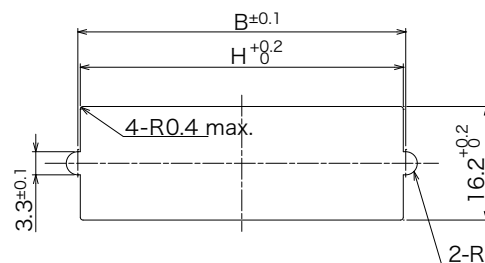
■ Panel Mounting Dimensions

● Front Mounting Type



● Rear Mounting Type

Panel Thickness : 1.6mm max.



* : When the mating connector is 57FE-10 type, the size is 16.2^{+0.2}₀.

Number of Contact	B	G	
		Without Strain Relief	with Strain Relief
14	36.00	23.7	25.6
24	46.78	36.8	38.7
36	59.74	52.0	53.9
50	74.85	69.0	70.9

Number of Contact	B	H
14	36.00	35.30
24	46.78	46.08
36	59.74	59.04
50	74.85	74.15

▶ 90° Angled Bail Lock

57FE-40240-20S (D20)

Number of Contact : 14, 24,
36, 50

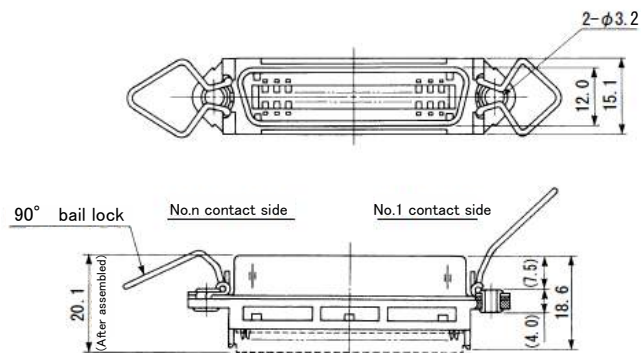
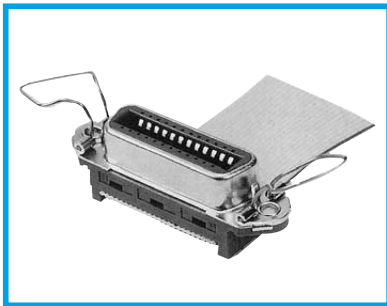
Contact Plating
2 : Au0.4 μ m over Ni Plating

Cover Style
0 : Open-ended Cover, Blue
A : Close-ended Cover, Blue(for 14,24 and 36 pin only)

Deviation
D20 : 90° angled Bail Lock

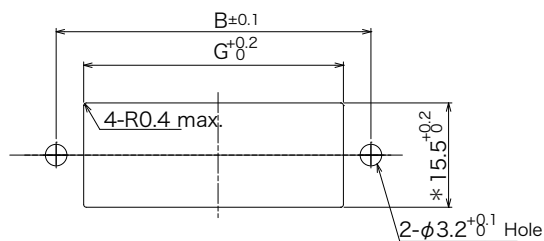
Strain Relief
No Digit : No Strain Relief
S : With Plastic Strain Relief

(Open-ended Cover, for 24 contacts only)



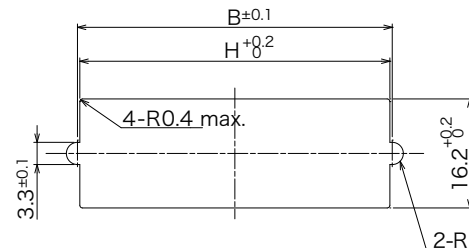
■ Panel Mounting Dimensions

● Front Mounting Type



● Rear Mounting Type

Panel Thickness : 1.6mm max.



* : When the mating connector is 57FE-10 type, the size is 16.2^{+0.2}₀.

Number of Contact	B	G	
		without Strain Relief	with Strain Relief
14	36.00	23.7	25.6
24	46.78	36.8	38.7
36	59.74	52.0	53.9
50	74.85	69.0	70.9

Number of Contact	B	H
14	36.00	35.30
24	46.78	46.08
36	59.74	59.04
50	74.85	74.15

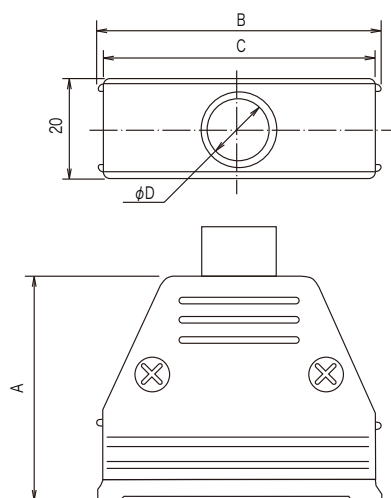
► Straight Metal Hood

57F-14H-3R

Number of Contact : 14, 24,
36, 50

3R : Trivalent Chromium Free

H : Straight Hood



Number of Contact	A	B	C	D
14	40.0	33.20	30.0	8.5
24	45.5	44.00	39.8	10.0
36	45.5	57.00	55.0	12.0
50	45.5	72.10	70.9	13.0

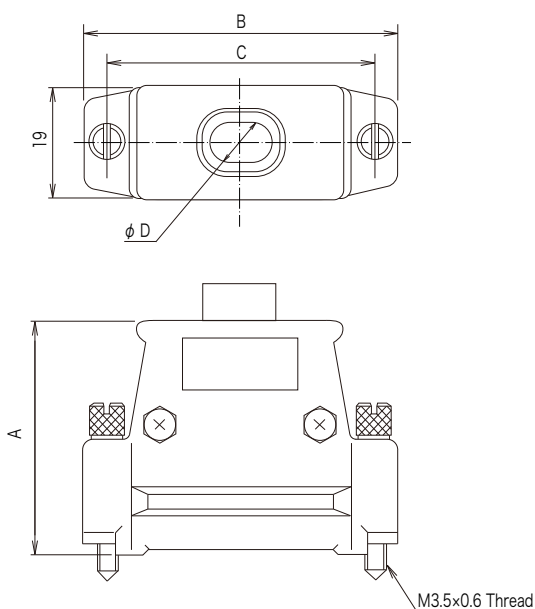
► Straight Plastic Hood with Lock Screw

57FE-24H-CF

Number of Contact : 24, 36, 50

CF : Cadmium Free

H : Straight Hood



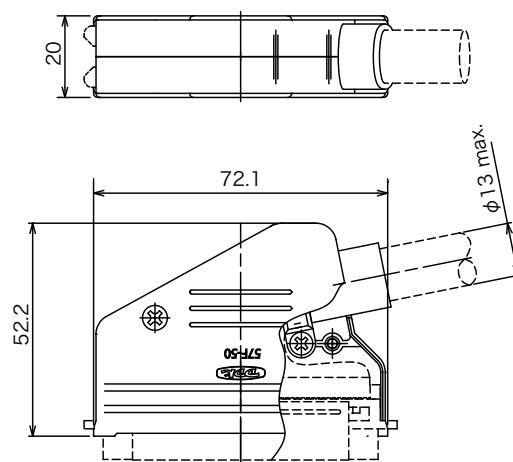
Number of Contact	A	B	C	D
24	41	53.0	46.78	10
36	44	68.0	59.74	12
50	44	83.0	74.85	13

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▶ Right Angle Hood

57F-50LH-3R

for 50 Contacts



▶ Strain Relief

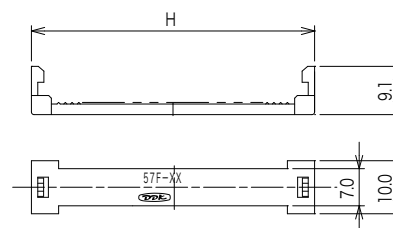
Plastic Strain Relief

57F-50-041

Number of Contact : 14, 24, 36, 50

• Material / Finish : Polycarbonate Resin (UL94V-0) / Blue

Number of Contact	H
14	25.1
24	38.2
36	53.4
50	70.4



▶ Assembly Tools

- Cable Cutting Tool : 357J-4256
- Press Tool : 357J-4674D Attachment 357J-4668