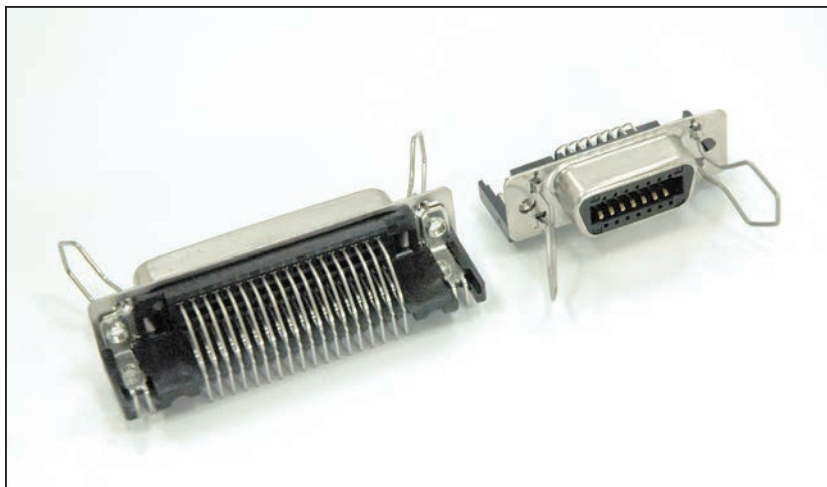


Right Angle Solder Termination Connectors

57RE Series



OUTLINE

- 57RE series is light-weight and low cost version of 57LE series to unify end disc latches with shell and insulator with locator.
- Metalized shell for EMI Shield
- Intermatable with each 57, 57F, 57FE, 57JE series plug connectors.
- UL applied (File No. E72124)

SPECIFICATIONS

Rated Voltage	500V AC (r.m.s.)
Rated Current	3A / Contact
Dielectric Withstanding Voltage	1200V AC (r.m.s.) at 1 minute
Insulation Resistance	1000M Ω (min.) at 500V DC
Contact Resistance	35m Ω (max.)
Operating Temperature	-55°C~ 105°C

MATERIAL/FINISH



ITEM	MATERIAL/FINISH
Insulator	PBT Resin(UL94V-0) / Black
Shell	Steel or Brass / Ni Plating
Contact	Copper Alloy / Au over Ni Plating
Bail Lock	Stainless Steel

▶ Standard Type (Less Ground Tab)

57RE-40500-830B-FA

FA: Lead Free

Contact Plating

7 : Contact Area: Au(0.38 μ m) over Ni Plating

Tail Area: Sn-Ag over Nickel Plating

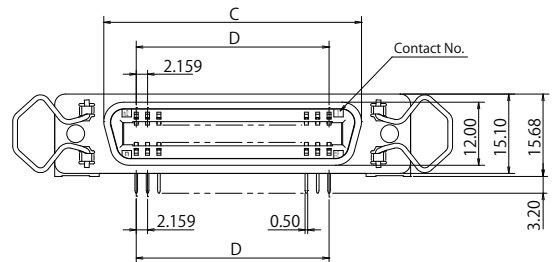
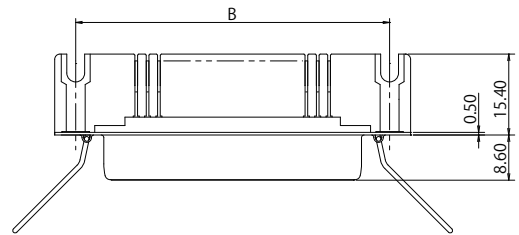
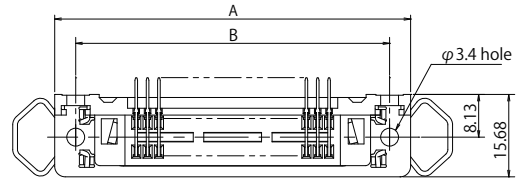
8 : Contact Area: Au(Flash) over Ni Plating

Tail Area: Sn-Ag over Ni Plating

Number of Contact : 14, 24, 50

Part Number	Number of Contact	A	B	C	D	E
57RE-40140-□ 30B-FA	14	44.00	36.00	25.36	12.954	35.30
57RE-40240-□ 30B-FA	24	54.78	46.78	36.23	23.749	46.08
57RE-40500-□ 30B-FA	50	82.85	74.85	64.22	51.816	74.15

※ Panel mounting cut-out dimensions, PCB mounting dimensions : Type 1
(Refer to page 5.)



▶ With Thru-hole Ground Tab

57RE-40500-830B(D3B)-FA

FA : Lead Free

Panel Mounting Screw

No Digit: Steel screw Attached

A: Steel screw Assembled

B: Less Screw

Deviation

(D3): Thru-hole Ground Tab

M3×0.5 Thread Type

Contact Plating

7 : Contact Area: Au(0.38 μ m) over Ni Plating

Tail Area: Sn-Ag over Nickel Plating

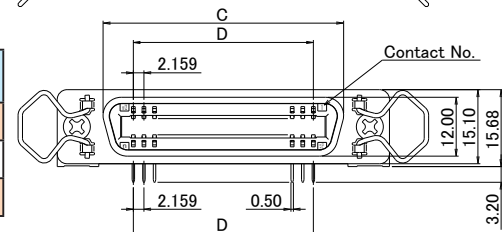
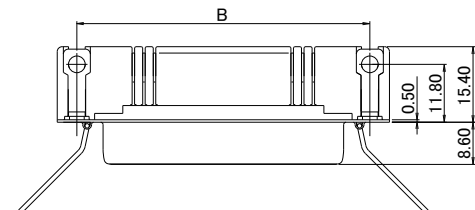
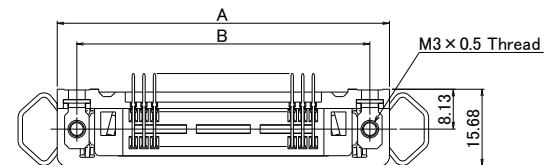
8 : Contact Area: Au(Flash) over Ni Plating

Tail Area: Sn-Ag over Ni Plating

Number of Contact : 14, 24, 50

Part Number	Number of Contact	A	B	C	D	E
57RE-40140-□ 30B (D3 □)-FA	14	44.00	36.00	25.36	12.954	35.30
57RE-40240-□ 30B (D3 □)-FA	24	54.78	46.78	36.23	23.749	46.08
57RE-40500-□ 30B (D3 □)-FA	50	82.85	74.85	64.22	51.816	74.15

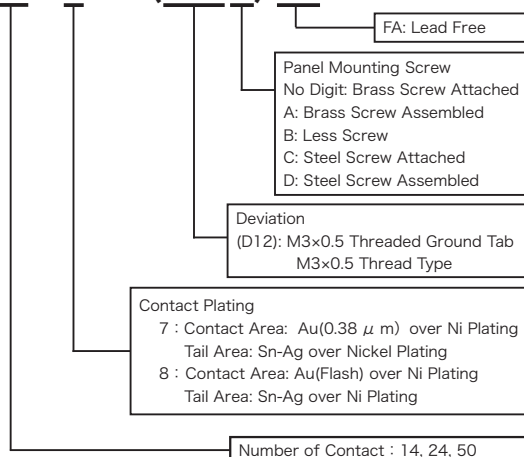
※ Panel mounting cut-out dimensions, PCB mounting dimensions : Type 1
(Refer to page 5.)



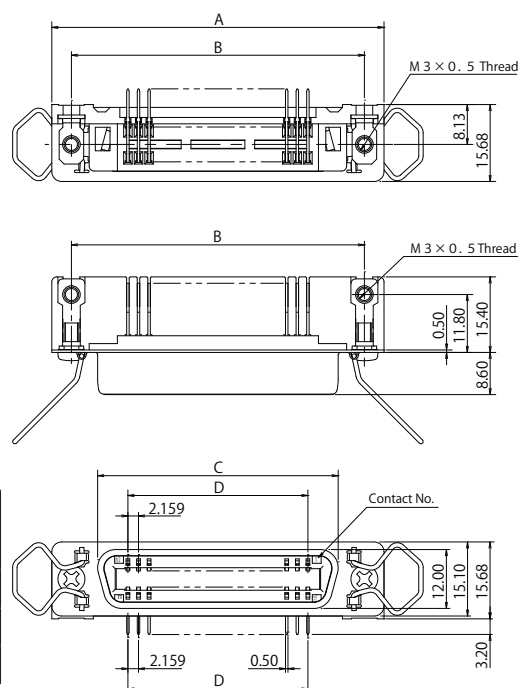
※ The connector as above drawing is assembled panel mounting screws.

▶ With M3x0.5 Threaded Ground Tab

57RE-40500-830B(D12B)-FA



Part Number	Number of Contact	A	B	C	D	E
57RE-40140-□ 30B (D12 □) -FA	14	44.00	36.00	25.36	12.954	35.30
57RE-40240-□ 30B (D12 □) -FA	24	54.78	46.78	36.23	23.749	46.08
57RE-40500-□ 30B (D12 □) -FA	50	82.85	74.85	64.22	51.816	74.15

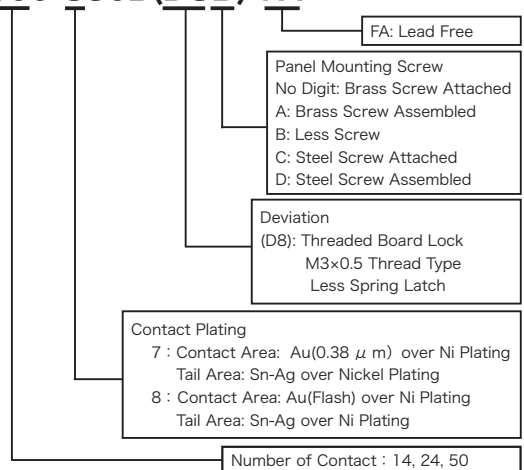


※ Panel mounting cut-out dimensions, PCB mounting dimensions : Type 1
(Refer to page 5.)

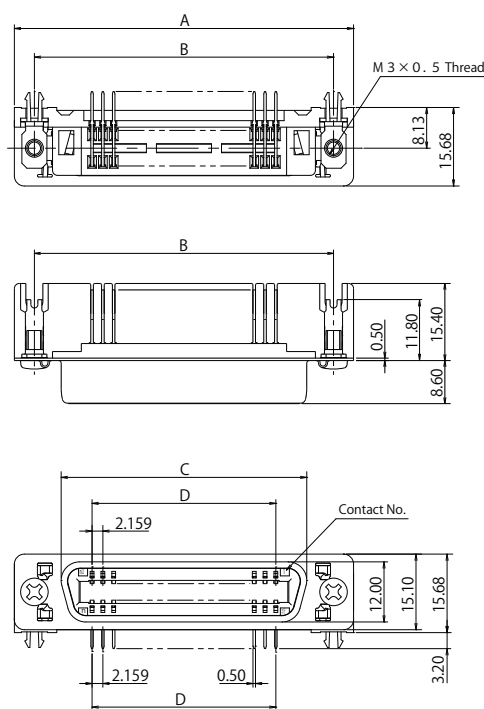
※ The connector as above drawing is assembled panel mounting screws.

▶ With Threaded Board Lock / Less Bail Locks

57RE-40500-830B(D8B)-FA



Part Number	Number of Contact	A	B	C	D	E
57RE-40140-□ 30B (D8 □) -FA	14	44.00	36.00	25.36	12.954	35.30
57RE-40240-□ 30B (D8 □) -FA	24	54.78	46.78	36.23	23.749	46.08
57RE-40500-□ 30B (D8 □) -FA	50	82.85	74.85	64.22	51.816	74.15



※ Panel mounting cut-out dimensions, PCB mounting dimensions : Type 2
(Refer to page 5.)

※ The connector as above drawing is assembled panel mounting screws.

▶ With Threaded Board Lock

57RE-40500-830B(D15B)-FA

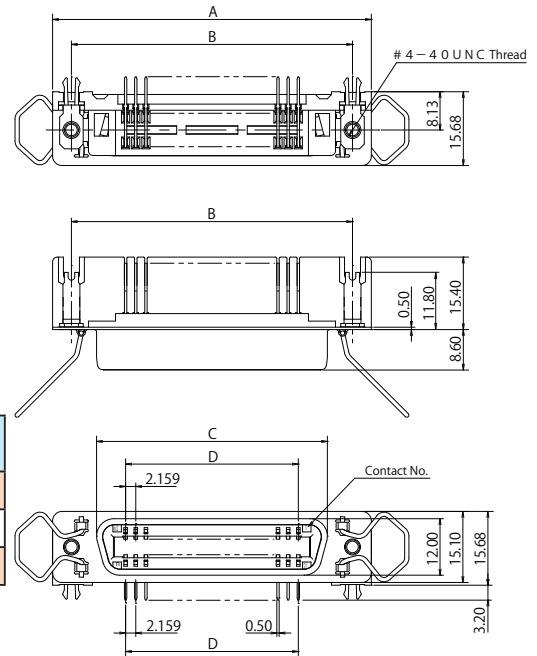
FA: Lead Free

Panel Mounting Screw
B: Less ScrewDeviation
(D15): Threaded Board Lock
#4-40UNC Thread TypeContact Plating
7 : Contact Area: Au(0.38 μ m) over Ni Plating
Tail Area: Sn-Ag over Nickel Plating
8 : Contact Area: Au(Flash) over Ni Plating
Tail Area: Sn-Ag over Ni Plating

Number of Contact : 14, 24, 50

Part Number	Number of Contact	A	B	C	D	E
57RE-40140-□ 30B (D15 □) -FA	14	44.00	36.00	25.36	12.954	35.30
57RE-40240-□ 30B (D15 □) -FA	24	54.78	46.78	36.23	23.749	46.08
57RE-40500-□ 30B (D15 □) -FA	50	82.85	74.85	64.22	51.816	74.15

※ Panel mounting cut-out dimensions, PCB mounting dimensions : Type 2
(Refer to page 5.)



57RE-40500-830B(D29B)-FA

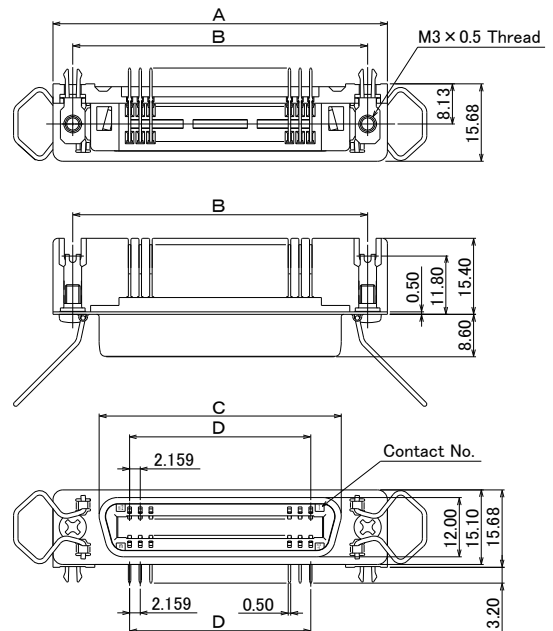
FA: Lead Free

Panel Mounting Screw
No Digit: Brass Screw Attached
A: Brass Screw Assembled
B: Less Screw
C: Steel Screw Attached
D: Steel Screw AssembledDeviation
(D29): Threaded Board Lock
M3x0.5 Thread TypeContact Plating
7 : Contact Area: Au(0.38 μ m) over Ni Plating
Tail Area: Sn-Ag over Nickel Plating
8 : Contact Area: Au(Flash) over Ni Plating
Tail Area: Sn-Ag over Ni Plating

Number of Contact : 14, 24, 50

Part Number	Number of Contact	A	B	C	D	E
57RE-40140-□ 30B (D29 □) -FA	14	44.00	36.00	25.36	12.954	35.30
57RE-40240-□ 30B (D29 □) -FA	24	54.78	46.78	36.23	23.749	46.08
57RE-40500-□ 30B (D29 □) -FA	50	82.85	74.85	64.22	51.816	74.15

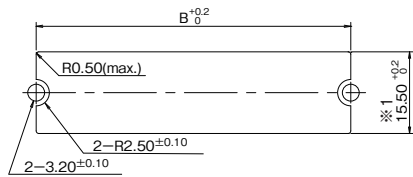
※ Panel mounting cut-out dimensions, PCB mounting dimensions : Type 2
(Refer to page 5.)



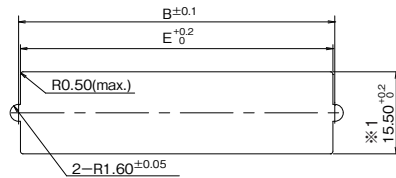
※ The connector as above drawing is assembled panel mounting screws.

▶ Panel Cut-out Dimensions & PCB Mounting Dimensions

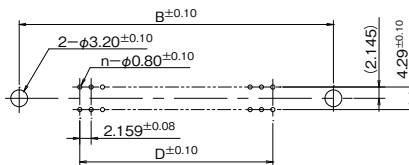
Type 1



Panel Cut-out Dimensions Thickness 1.60(max.)
(Front Mounting)



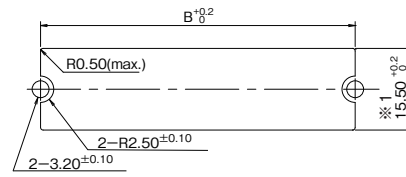
Panel Cut-out Dimensions Thickness 1.60(max.)
(Rear Mounting)



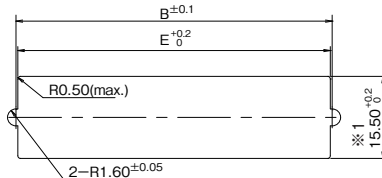
PCB Mounting Dimensions Thickness 1.60±0.19

※ 1 : When the mating connector is 57F or 57FE series,
the size ※ 1 is 16.20^{+0.2}/₀.

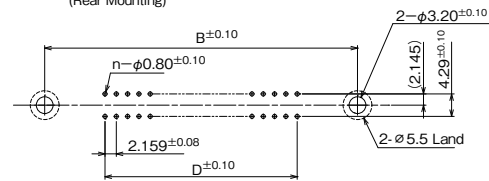
Type 2



Panel Cut-out Dimensions Thickness 1.60(max.)
(Front Mounting)



Panel Cut-out Dimensions Thickness 1.60(max.)
(Rear Mounting)



PCB Mounting Dimensions Thickness 1.60±0.19

※ 1 : When the mating connector is 57F or 57FE series
the size ※ 1 is 16.20^{+0.2}/₀.