



FX2 SERIES

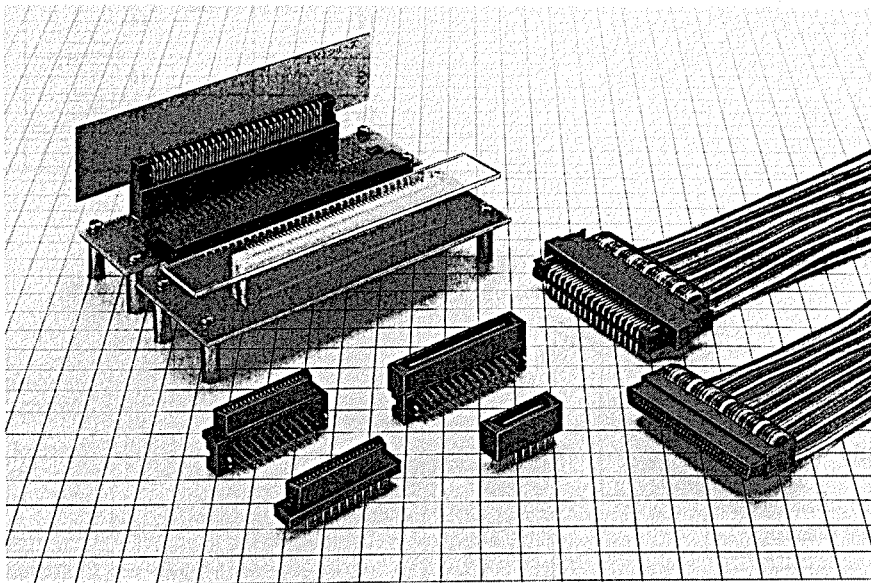
HALF-PITCH MULTI-FUNCTION 2 PIECE CONNECTOR

General

The FX2 series of connectors is a 1.27mm spacing 2 piece connector for use in board to board application. It employs Hirose Electric's many years of accumulated experience in high density devices.

FX2 series offer you one of the most varied and complete

lines of High Density Connectors such as PCB to PCB and PCB to IDC Socket applications. Available in 20, 32, 40, 52, 60, 68, 80, 100, and 120 way (Except 120 way for PCB to IDC Socket application.)



Features

● Substrate-to-substrate type

1. With the straight dip type, flux penetration from the back side of the substrate at solder dipping is completely eliminated.
2. Substrate stacking height can be set between 12 and 16 mm at 1 mm intervals.
3. Mating section is designed for mis-mating prevention.

● Substrate-to-cable type

1. Internal locking system permits positive locking and ejecting by a simple operation.
2. Two-step insulation displacement termination system permits simple and positive cable connection.
3. (UL2651) AWG # 28 flat cable (7/0.127mm) is applicable.

● SMT type

1. High performance PPS resin insulator is compatible to VPS, IR and hot air reflow.
2. Gull wing-shaped lead is used for ease of checking soldered connection.
3. Use of positioning boss for substrate packing offers improved handling capability.
4. Solder-fixing reinforcement bracket, which disperses inserting/extracting stress, is available for optional specification.
5. The right-angled type has approximately 70% smaller mounting area than the conventional DIP type connector.

Applications

Computers, computer peripherals, various OA machinery.

Material/Finish

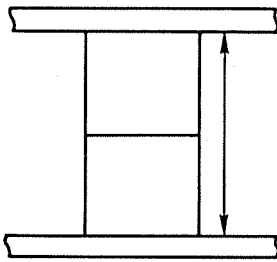
Item	Material	Finish	Remark
Insulator	Dip type	Poly-amide resin*	UL94V-0
	Socket	PBT resin and Poly-amide resin*	
	SMT type	PPS resin*	
Contact	Receptacle	Phosphor Bronze	Selective Gold Plating
	Socket		
	Header	Phosphor bronze or Brass	

Electrical Performance

Item	Condition	Specification
Current rating		0.5A
Voltage rating		AC125V
Insulation resistance	At DC250V	100MΩ or high
Withstanding voltage	1 minute at specified valve	AC300Vr.m.s
Contact resistance	at 100mA DC	Less than 45mΩ

List of Stacking Variation

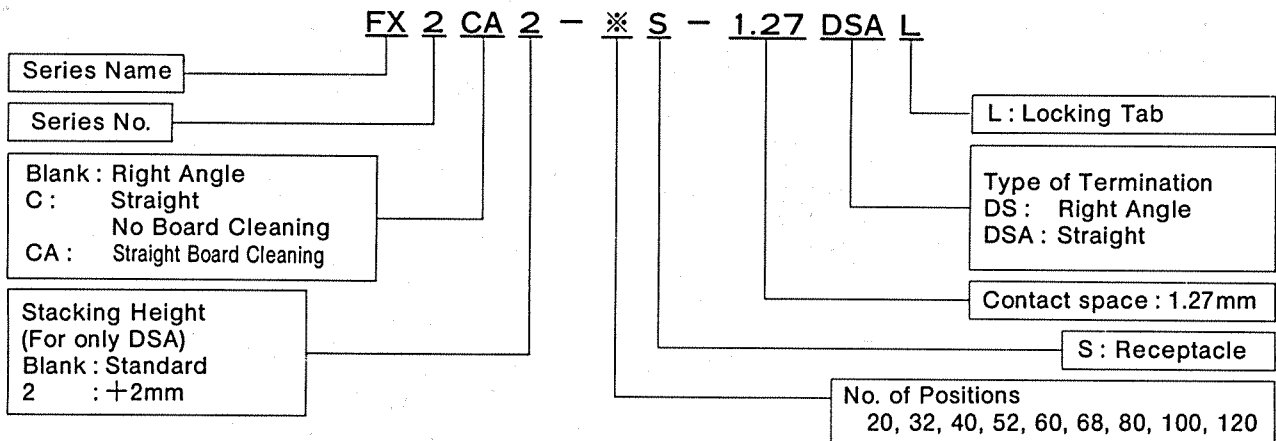
Unit : mm



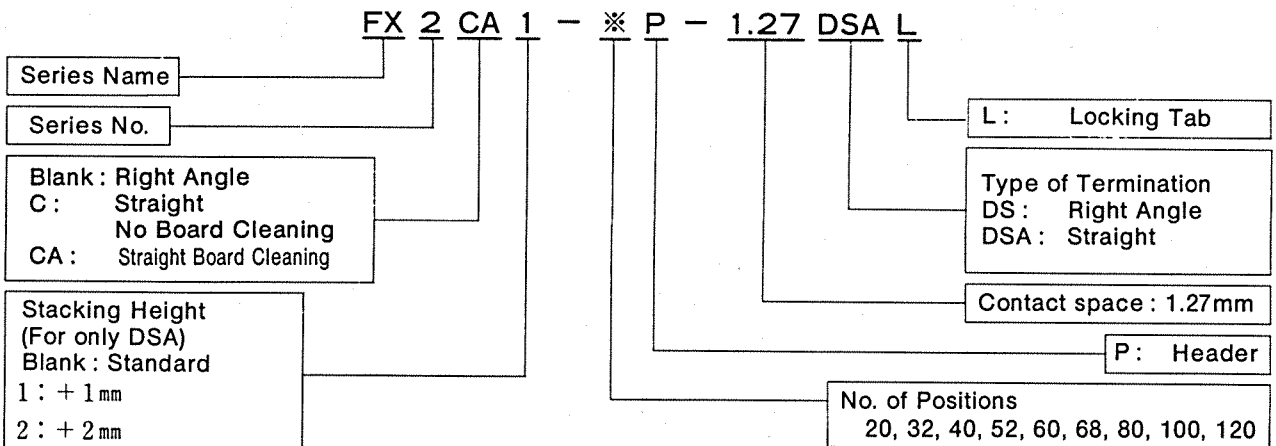
		Receptacle	Dip Type		SMT Type
			FX2C-※S-1.27DSA(L)	FX2C2-※S-1.27DSA(L)	FX2-※S-1.27SV(L)
Header			FX2CA-※S-1.27DSA(L)	FX2CA2-※S-1.27DSA(L)	
	Dip Type	FX2C-※P-1.27DSA(L)	12	14	12.2
		FX2CA-※P-1.27DSA(L)			
		FX2CA1-※P-1.27DSA(L)	13	15	13.2
		FX2CA2-※P-1.27DSA(L)	14	16	14.2
SMT Type		FX2-※P-1.27SV(L)	12.1	14.1	12.3

Ordering Format

● Board-to-Board Receptacle

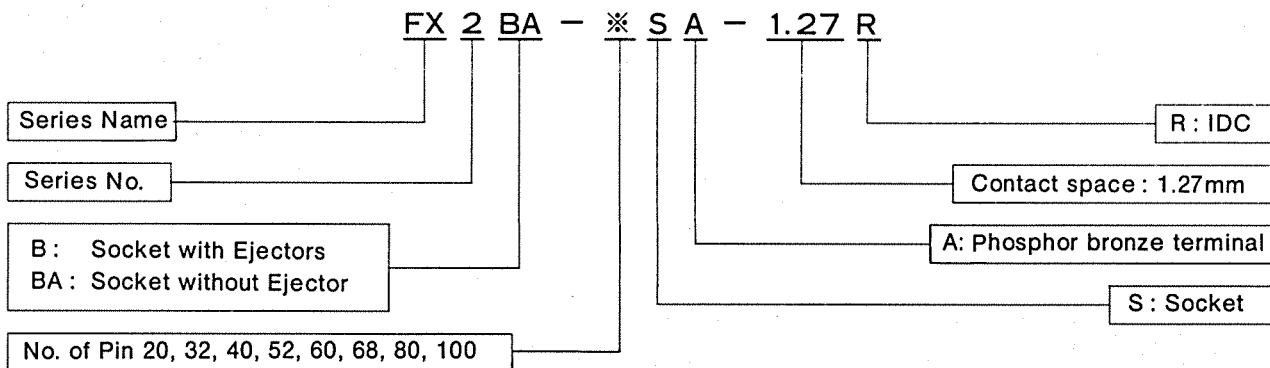


● Board-to-Board Header

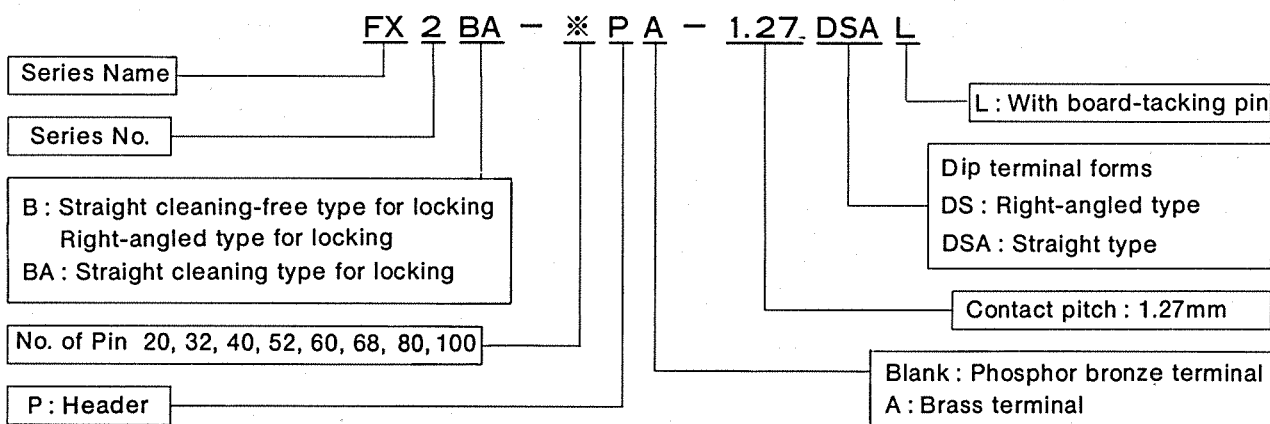


Note 1: C,CA types are Anti Solder and Flux Wicking Versions,
 2: Board Cleaning : Connector and Board to be soaked in cleaning bath.
 3: No Board Cleaning type ; No cleaning or Back-Board cleaning type.

● Board-to-Cable Socket

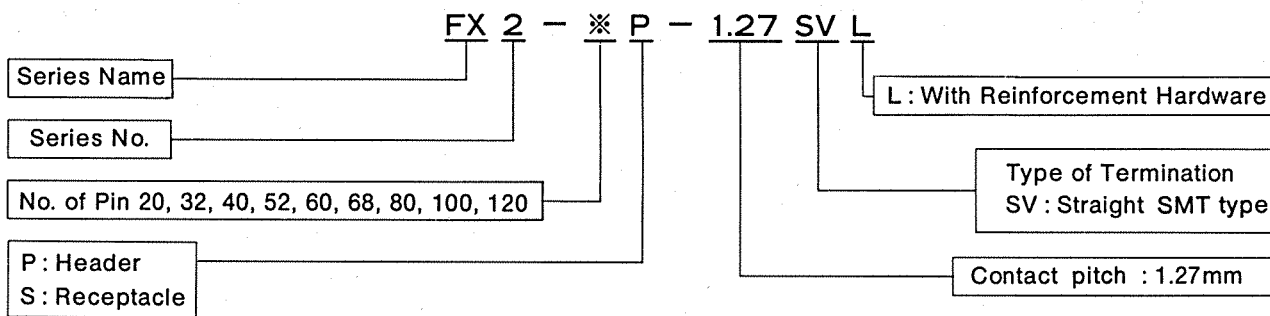


● Board-to-Cable Header

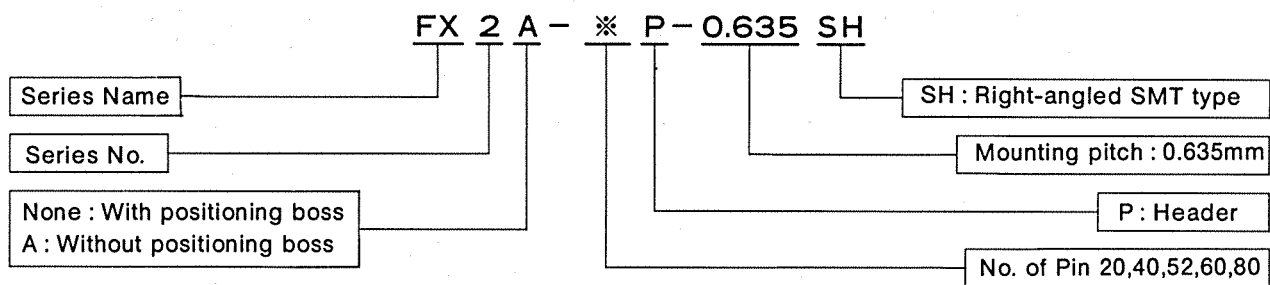


Note 1 Cleaning type: Type with a drain port for immersion and cleaning
 Note 2 Cleaning-free type: Type without drain port for immersion and cleaning
 Note 3 20- and 30-pin straight type have phosphor bronze terminals.

● Straight SMT Type

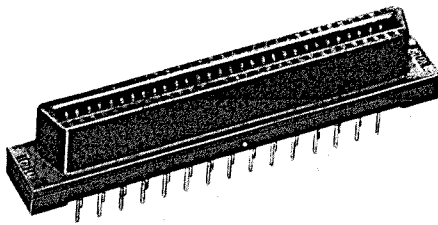


● Header Right Angle SMT Type



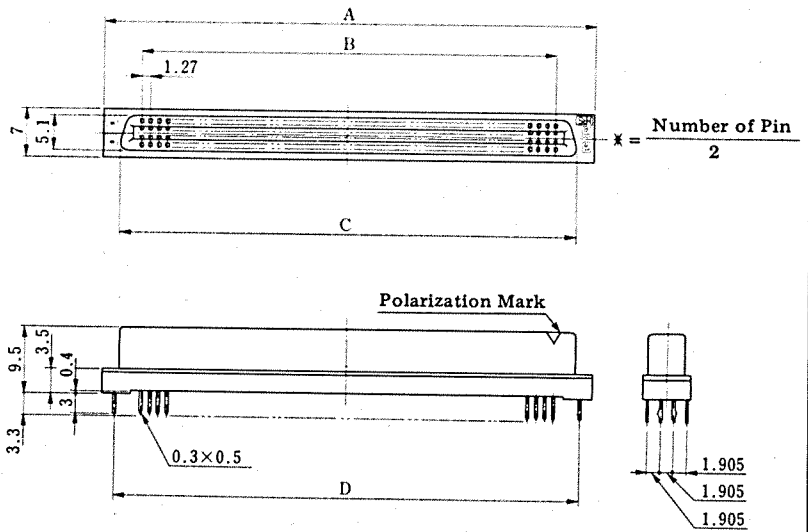
■ Receptacle-No Cleaning Type

● Straight Type

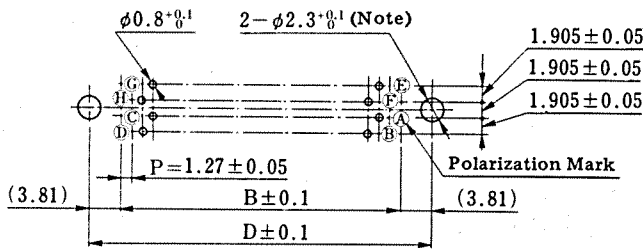


FX2C-※S-1.27DSA (Photo)

FX2C-※S-1.27DSAL (Fig.)



◆ PC Board Layout (Mounting Side)



n = Number of Pin

- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ $a \frac{n}{2} - 1$ Ⓖ $b \frac{n}{2} - 1$
- Ⓓ $a \frac{n}{2}$ Ⓖ $b \frac{n}{2}$

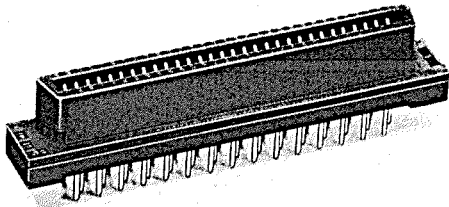
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

HRS No.	Name	No. of Pins	A	B	C	D
CL 572-2401-7	FX2C- 20S-1.27DSA	20	22.75	11.43	17.63	19.05
CL 572-2451-5	FX2C- 20S-1.27DSAL					
CL 572-2402-0	FX2C- 32S-1.27DSA	32	30.37	19.05	25.25	26.67
CL 572-2452-8	FX2C- 32S-1.27DSAL					
CL 572-2403-2	FX2C- 40S-1.27DSA	40	35.45	24.13	30.33	31.75
CL 572-2453-0	FX2C- 40S-1.27DSAL					
CL 572-2404-5	FX2C- 52S-1.27DSA	52	43.07	31.75	37.95	39.37
CL 572-2454-3	FX2C- 52S-1.27DSAL					
CL 572-2405-8	FX2C- 60S-1.27DSA	60	48.15	36.83	43.03	44.45
CL 572-2455-6	FX2C- 60S-1.27DSAL					
CL 572-2406-0	FX2C- 68S-1.27DSA	68	53.23	41.91	48.11	49.53
CL 572-2456-9	FX2C- 68S-1.27DSAL					
CL 572-2407-3	FX2C- 80S-1.27DSA	80	60.85	49.53	55.73	57.15
CL 572-2457-1	FX2C- 80S-1.27DSAL					
CL 572-2408-6	FX2C-100S-1.27DSA	100	73.55	62.23	68.43	69.85
CL 572-2458-4	FX2C-100S-1.27DSAL					
CL 572-2409-9	FX2C-120S-1.27DSA	120	86.25	74.93	81.13	82.55
CL 572-2459-7	FX2C-120S-1.27DSAL					

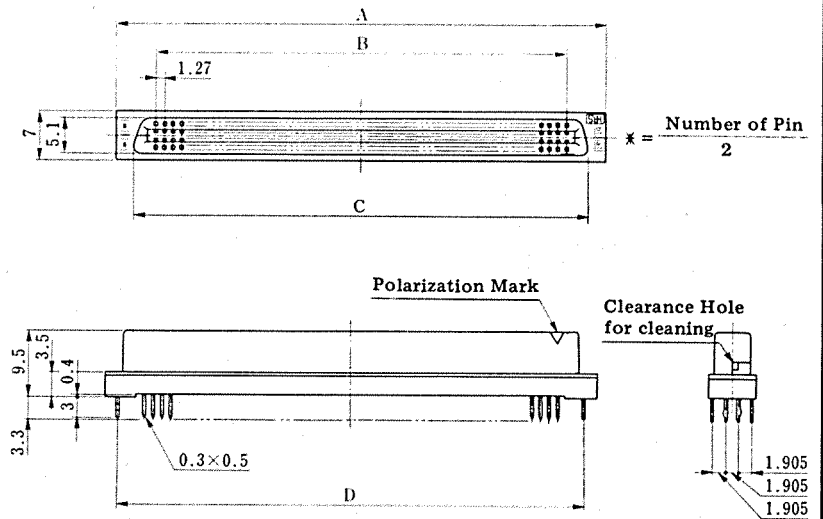
■ Receptacle-Cleaning Type

● Straight Type

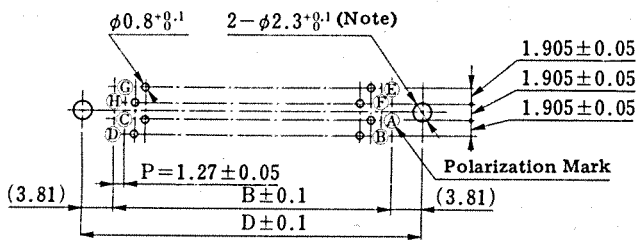


FX2CA-※S-1.27DSA (Photo)

FX2CA-※S-1.27DSAL (Fig.)



◆ PC Board Layout (Mounting Side)



n = Number of Pin

- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ $a \frac{n}{2} - 1$ Ⓖ $b \frac{n}{2} - 1$
- Ⓓ $a \frac{n}{2}$ Ⓖ $b \frac{n}{2}$

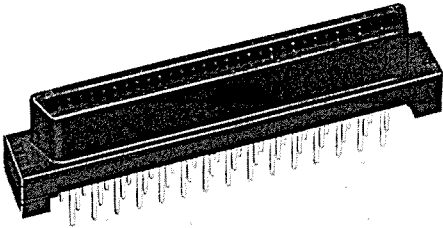
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

HRS No.	Name	No. of Pins	A	B	C	D
CL 572-2501-1	FX2CA- 20S-1.27DSA	20	22.75	11.43	17.63	19.05
CL 572-2551-0	FX2CA- 20S-1.27DSAL					
CL 572-2502-4	FX2CA- 32S-1.27DSA	32	30.37	19.05	25.25	26.67
CL 572-2552-2	FX2CA- 32S-1.27DSAL					
CL 572-2503-7	FX2CA- 40S-1.27DSA	40	35.45	24.13	30.33	31.75
CL 572-2553-5	FX2CA- 40S-1.27DSAL					
CL 572-2504-0	FX2CA- 52S-1.27DSA	52	43.07	31.75	37.95	39.37
CL 572-2554-8	FX2CA- 52S-1.27DSAL					
CL 572-2505-2	FX2CA- 60S-1.27DSA	60	48.15	36.83	43.03	44.45
CL 572-2555-0	FX2CA- 60S-1.27DSAL					
CL 572-2506-5	FX2CA- 68S-1.27DSA	68	53.23	41.91	48.11	49.53
CL 572-2556-3	FX2CA- 68S-1.27DSAL					
CL 572-2507-8	FX2CA- 80S-1.27DSA	80	60.85	49.53	55.73	57.15
CL 572-2557-6	FX2CA- 80S-1.27DSAL					
CL 572-2508-0	FX2CA-100S-1.27DSA	100	73.55	62.23	68.43	69.85
CL 572-2558-9	FX2CA-100S-1.27DSAL					
CL 572-2509-3	FX2CA-120S-1.27DSA	120	86.25	74.93	81.13	82.55
CL 572-2559-1	FX2CA-120S-1.27DSAL					

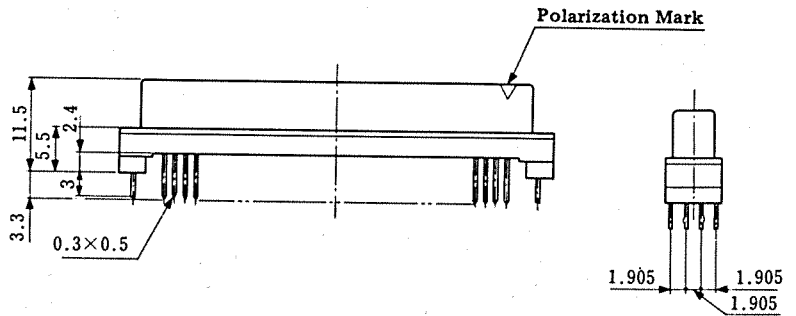
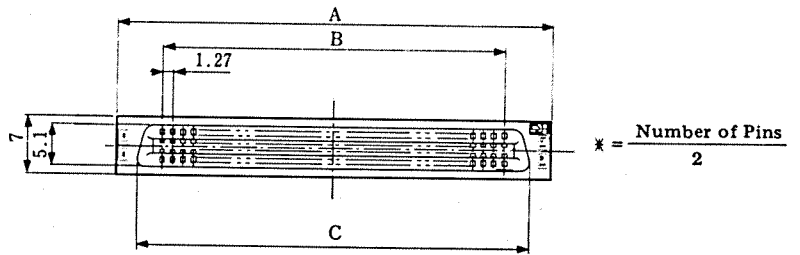
■ Receptacle-No Cleaning Type

● Straight Type

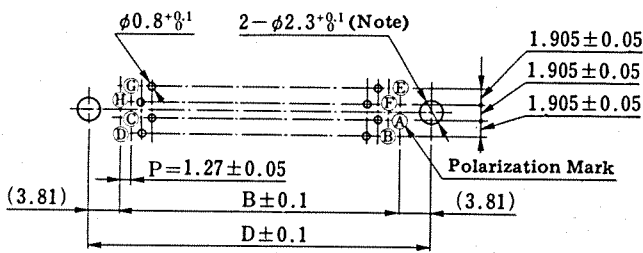


FX2C2-※S-1.27DSA (Photo)

FX2C2-※S-1.27DSAL (Fig.)



◆ PC Board Layout (Mounting Side)



n = Number of Pin

- | | |
|--------------------|--------------------|
| Ⓐ a1 | Ⓔ b1 |
| Ⓑ a2 | Ⓕ b2 |
| Ⓒ $a\frac{n}{2}-1$ | Ⓖ $b\frac{n}{2}-1$ |
| Ⓓ $a\frac{n}{2}$ | Ⓗ $b\frac{n}{2}$ |

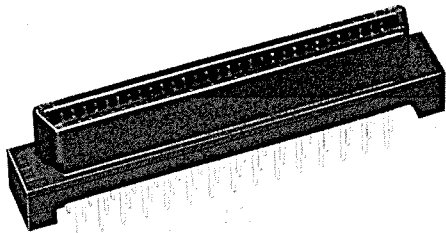
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

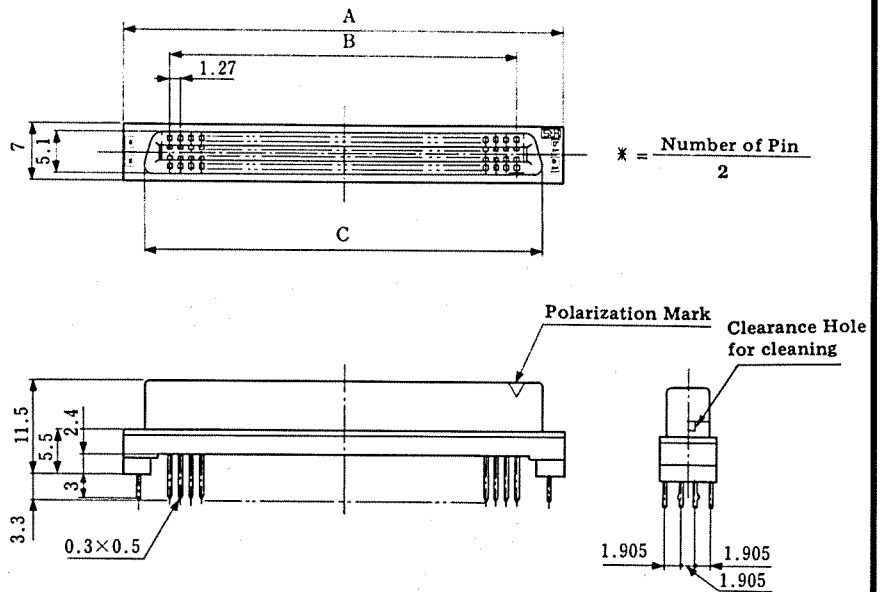
HRS No.	Name	No. of Pins	A	B	C	D
CL 572-2421-4	FX2C2- 20S-1.27DSA	20	22.75	11.43	17.63	19.05
CL 572-2471-2	FX2C2- 20S-1.27DSAL					
CL 572-2422-7	FX2C2- 32S-1.27DSA	32	30.37	19.05	25.25	26.67
CL 572-2472-5	FX2C2- 32S-1.27DSAL					
CL 572-2423-0	FX2C2- 40S-1.27DSA	40	35.45	24.13	30.33	31.75
CL 572-2473-8	FX2C2- 40S-1.27DSAL					
CL 572-2424-2	FX2C2- 52S-1.27DSA	52	43.07	31.75	37.95	39.37
CL 572-2474-0	FX2C2- 52S-1.27DSAL					
CL 572-2425-5	FX2C2- 60S-1.27DSA	60	48.15	36.83	43.03	44.45
CL 572-2475-3	FX2C2- 60S-1.27DSAL					
CL 572-2426-8	FX2C2- 68S-1.27DSA	68	53.23	41.91	48.11	49.53
CL 572-2476-6	FX2C2- 68S-1.27DSAL					
CL 572-2427-0	FX2C2- 80S-1.27DSA	80	60.85	49.53	55.73	57.15
CL 572-2477-9	FX2C2- 80S-1.27DSAL					
CL 572-2428-3	FX2C2-100S-1.27DSA	100	73.55	62.23	68.43	69.85
CL 572-2478-1	FX2C2-100S-1.27DSAL					
CL 572-2429-6	FX2C2-120S-1.27DSA	120	86.25	74.93	81.13	82.55
CL 572-2479-4	FX2C2-120S-1.27DSAL					

■ Receptacle-Cleaning Type

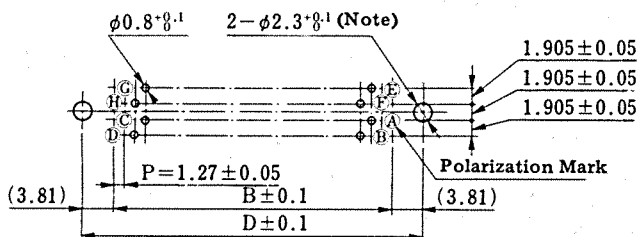
● Straight Type



FX2CA2-※S-1.27DSA (Photo)
FX2CA2-※S-1.27DSAL (Fig.)



◆ PC Board Layout (Mounting Side)



n = Number of Pin

- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ $a \frac{n}{2} - 1$ Ⓖ $b \frac{n}{2} - 1$
- Ⓓ $a \frac{n}{2}$ Ⓖ $b \frac{n}{2}$

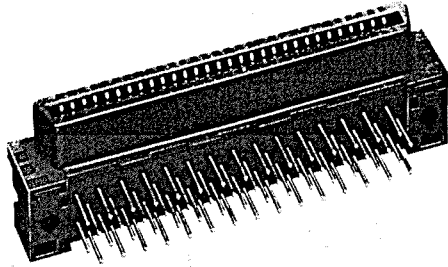
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

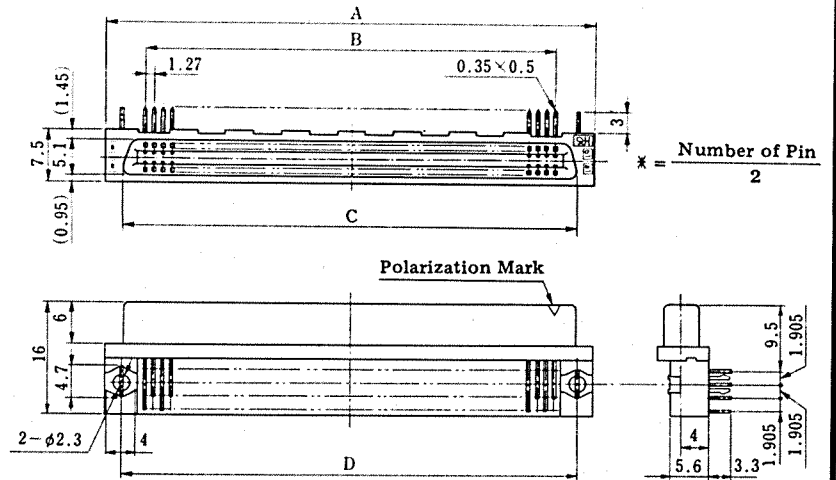
HRS No.	Name	No. of Pin	A	B	C	D
CL 572-2521-9	FX2CA2-20S-1.27DSA	20	22.75	11.43	17.63	19.05
CL 572-2571-7	FX2CA2-20S-1.27DSAL					
CL 572-2522-1	FX2CA2-32S-1.27DSA	32	30.37	19.05	25.25	26.67
CL 572-2572-0	FX2CA2-32S-1.27DSAL					
CL 572-2523-4	FX2CA2-40S-1.27DSA	40	35.45	24.13	30.33	31.75
CL 572-2573-2	FX2CA2-40S-1.27DSAL					
CL 572-2524-7	FX2CA2-52S-1.27DSA	52	43.07	31.75	37.95	39.37
CL 572-2574-5	FX2CA2-52S-1.27DSAL					
CL 572-2525-0	FX2CA2-60S-1.27DSA	60	48.15	36.83	43.03	44.45
CL 572-2575-8	FX2CA2-60S-1.27DSAL					
CL 572-2526-2	FX2CA2-68S-1.27DSA	68	53.23	41.91	48.11	49.53
CL 572-2576-0	FX2CA2-68S-1.27DSAL					
CL 572-2527-5	FX2CA2-80S-1.27DSA	80	60.85	49.53	55.73	57.15
CL 572-2577-3	FX2CA2-80S-1.27DSAL					
CL 572-2528-8	FX2CA2-100S-1.27DSA	100	73.55	62.23	68.43	69.85
CL 572-2578-6	FX2CA2-100S-1.27DSAL					
CL 572-2529-0	FX2CA2-120S-1.27DSA	120	86.25	74.93	81.13	82.55
CL 572-2579-9	FX2CA2-120S-1.27DSAL					

Receptacle

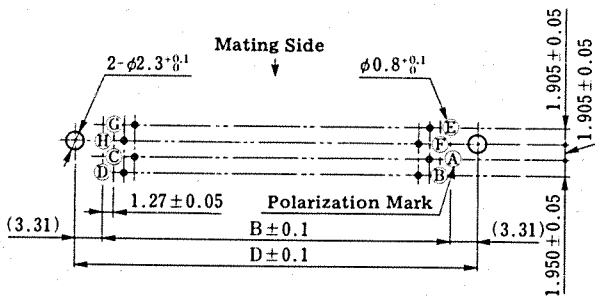
Right Angle Type



FX2-※S-1.27DS (Photo)
FX2-※S-1.27DSL(Fig.)



PC Board Layout (Mounting Side)



n = Number of Pin

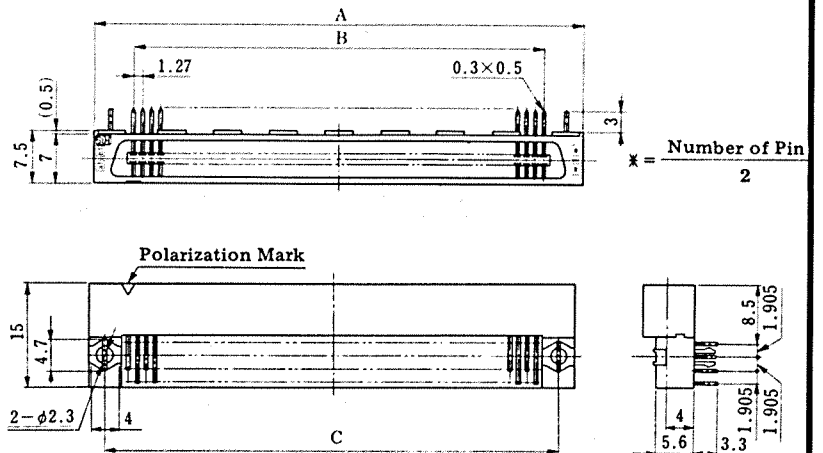
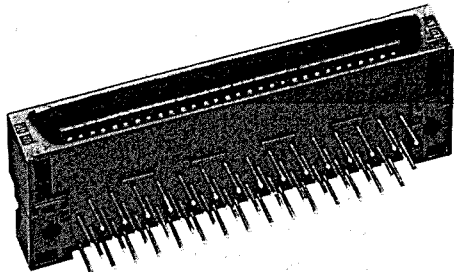
- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ a $\frac{n}{2}$ -1 Ⓖ b $\frac{n}{2}$ -1
- Ⓓ a $\frac{n}{2}$ Ⓖ b $\frac{n}{2}$

Unit: mm

HRS No.	Name	No. of Pins	A	B	C	D
CL 572-2701-0	FX2- 20S-1.27DS	20	22.75	11.43	17.63	18.05
CL 572-2751-9	FX2- 20S-1.27DSL					
CL 572-2702-3	FX2- 32S-1.27DS	32	30.37	19.05	25.25	25.67
CL 572-2752-1	FX2- 32S-1.27DSL					
CL 572-2703-6	FX2- 40S-1.27DS	40	35.45	24.13	30.33	30.75
CL 572-2753-4	FX2- 40S-1.27DSL					
CL 572-2704-9	FX2- 52S-1.27DS	52	43.07	31.75	37.95	38.37
CL 572-2754-7	FX2- 52S-1.27DSL					
CL 572-2705-1	FX2- 60S-1.27DS	60	48.15	36.83	43.03	43.45
CL 572-2755-0	FX2- 60S-1.27DSL					
CL 572-2706-4	FX2- 68S-1.27DS	68	53.23	41.91	48.11	48.53
CL 572-2756-2	FX2- 68S-1.27DSL					
CL 572-2707-7	FX2- 80S-1.27DS	80	60.85	49.53	55.73	56.15
CL 572-2757-5	FX2- 80S-1.27DSL					
CL 572-2708-0	FX2-100S-1.27DS	100	73.55	62.23	68.43	68.85
CL 572-2758-8	FX2-100S-1.27DSL					
CL 572-2709-2	FX2-120S-1.27DS	120	86.25	74.93	81.13	81.55
CL 572-2759-0	FX2-120S-1.27DSL					

Header

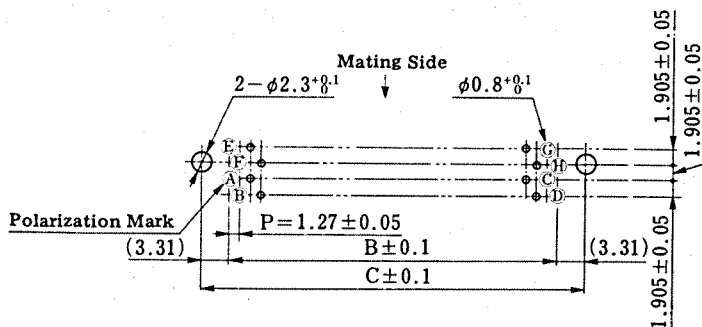
● Right Angil Type



FX2-※P-1.27DS (Photo)

FX2-※P-1.27DSL(Fig.)

◆ PC Board Layout (Mounting Side)



n = Number of Pin

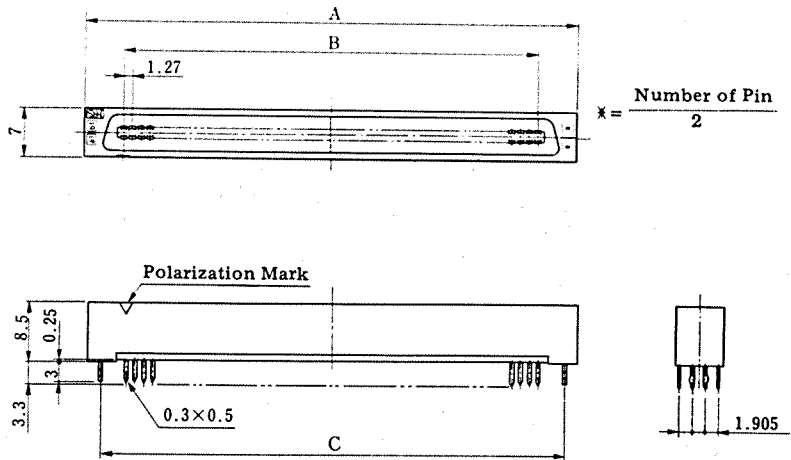
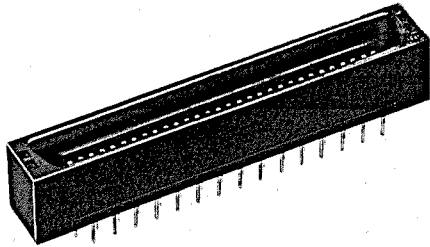
- Ⓐ a1
- Ⓑ a2
- Ⓒ $a\frac{n}{2} - 1$
- Ⓓ $a\frac{n}{2}$
- Ⓔ b1
- Ⓕ b2
- Ⓖ $b\frac{n}{2} - 1$
- Ⓗ $b\frac{n}{2}$

Unit: mm

HRS No.	Name	No. of Pins	A	B	C
CL 572-2601-6	FX2- 20P-1.27DS	20	22.75	11.43	18.05
CL 572-2651-4	FX2- 20P-1.27DSL				
CL 572-2602-9	FX2- 32P-1.27DS	32	30.37	19.05	25.67
CL 572-2652-7	FX2- 32P-1.27DSL				
CL 572-2603-1	FX2- 40P-1.27DS	40	35.45	24.13	30.75
CL 572-2653-0	FX2- 40P-1.27DSL				
CL 572-2604-4	FX2- 52P-1.27DS	52	43.07	31.75	38.37
CL 572-2654-2	FX2- 52P-1.27DSL				
CL 572-2605-7	FX2- 60P-1.27DS	60	48.15	36.83	43.45
CL 572-2655-5	FX2- 60P-1.27DSL				
CL 572-2606-0	FX2- 68P-1.27DS	68	53.23	41.91	48.53
CL 572-2656-8	FX2- 68P-1.27DSL				
CL 572-2607-2	FX2- 80P-1.27DS	80	60.85	49.53	56.15
CL 572-2657-0	FX2- 80P-1.27DSL				
CL 572-2608-5	FX2-100P-1.27DS	100	73.55	62.23	68.85
CL 572-2658-3	FX2-100P-1.27DSL				
CL 572-2609-8	FX2-120P-1.27DS	120	86.25	74.93	81.55
CL 572-2659-6	FX2-120P-1.27DSL				

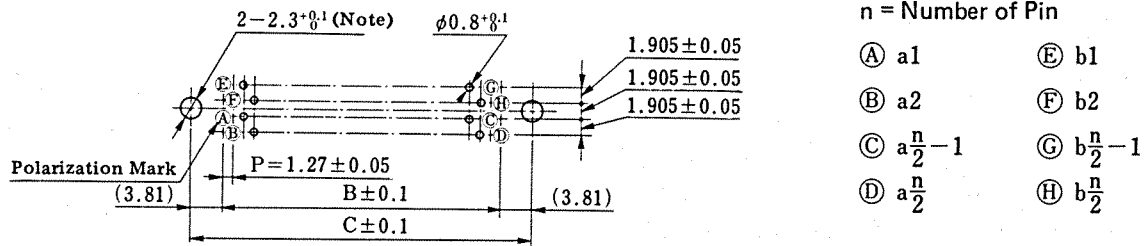
Header-No Cleaning Type

• Straight Type



FX2C-20P-1.27DSA (Photo)
 FX2C-20P-1.27DSAL (Fig.)

◆ PC Board Layout (Mounting Side)



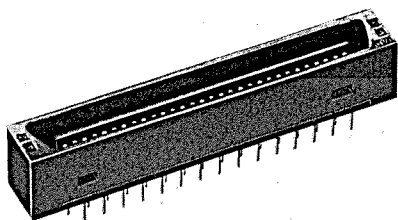
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

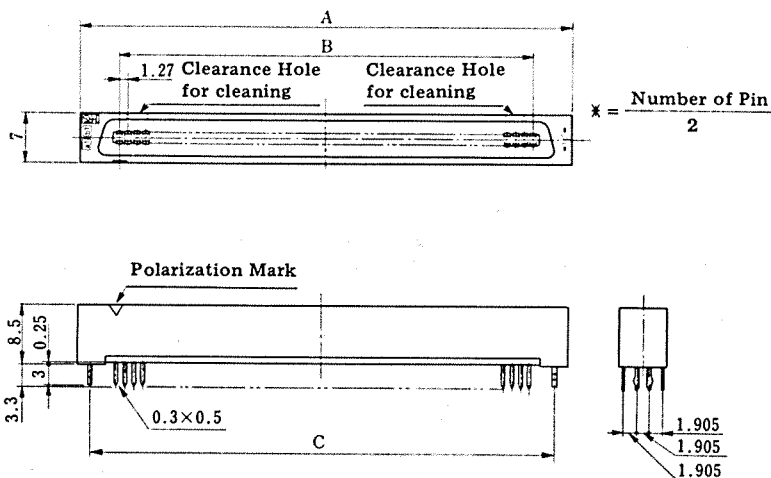
HRS No.	Name	No. of Pins	A	B	C
CL 572-2201-8	FX2C- 20P-1.27DSA	20	22.75	11.43	19.05
CL 572-2251-6	FX2C- 20P-1.27DSAL				
CL 572-2202-0	FX2C- 32P-1.27DSA	32	30.37	19.05	26.67
CL 572-2252-9	FX2C- 32P-1.27DSAL				
CL 572-2203-3	FX2C- 40P-1.27DSA	40	35.45	24.13	31.75
CL 572-2253-1	FX2C- 40P-1.27DSAL				
CL 572-2204-6	FX2C- 52P-1.27DSA	52	43.07	31.75	39.37
CL 572-2254-4	FX2C- 52P-1.27DSAL				
CL 572-2205-9	FX2C- 60P-1.27DSA	60	48.15	36.83	44.45
CL 572-2255-7	FX2C- 60P-1.27DSAL				
CL 572-2206-1	FX2C- 68P-1.27DSA	68	53.23	41.91	49.53
CL 572-2256-0	FX2C- 68P-1.27DSAL				
CL 572-2207-4	FX2C- 80P-1.27DSA	80	60.85	49.53	57.15
CL 572-2257-2	FX2C- 80P-1.27DSAL				
CL 572-2208-7	FX2C-100P-1.27DSA	100	73.55	62.23	69.85
CL 572-2258-5	FX2C-100P-1.27DSAL				
CL 572-2209-0	FX2C-120P-1.27DSA	120	86.25	74.93	82.55
CL 572-2259-8	FX2C-120P-1.27DSAL				

Header-Cleaning Type

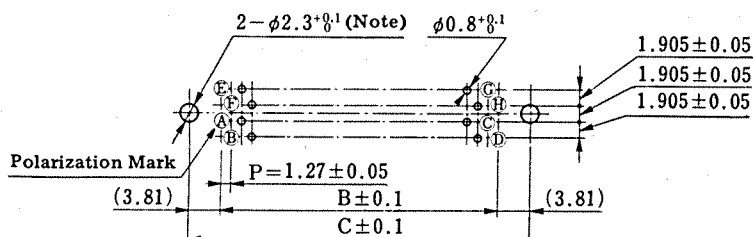
• Straight Type



FX2CA-※P-1.27DSA (Photo)
FX2CA-※P-1.27DSAL(Fig.)



PC Board Layout (Mounting Side)



n = Number of Pin

- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ $a\frac{n}{2}-1$ Ⓖ $b\frac{n}{2}-1$
- Ⓓ $a\frac{n}{2}$ Ⓗ $b\frac{n}{2}$

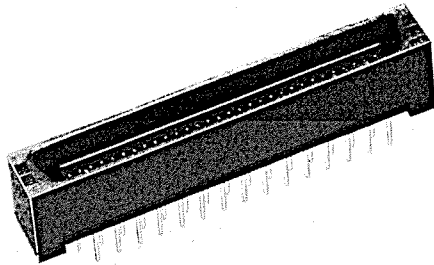
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

HRS No.	Name	No. of Pins	A	B	C
CL 572-2301-2	FX2CA- 20P-1.27DSA	20	22.75	11.43	19.05
CL 572-2351-0	FX2CA- 20P-1.27DSAL				
CL 572-2302-5	FX2CA- 32P-1.27DSA	32	30.37	19.05	26.67
CL 572-2352-3	FX2CA- 32P-1.27DSAL				
CL 572-2303-8	FX2CA- 40P-1.27DSA	40	35.45	24.13	31.75
CL 572-2353-6	FX2CA- 40P-1.27DSAL				
CL 572-2304-0	FX2CA- 52P-1.27DSA	52	43.07	31.75	39.37
CL 572-2354-9	FX2CA- 52P-1.27DSAL				
CL 572-2305-3	FX2CA- 60P-1.27DSA	60	48.15	36.83	44.45
CL 572-2355-1	FX2CA- 60P-1.27DSAL				
CL 572-2306-6	FX2CA- 68P-1.27DSA	68	53.23	41.91	49.53
CL 572-2356-4	FX2CA- 68P-1.27DSAL				
CL 572-2307-9	FX2CA- 80P-1.27DSA	80	60.85	49.53	57.15
CL 572-2357-7	FX2CA- 80P-1.27DSAL				
CL 572-2308-1	FX2CA-100P-1.27DSA	100	73.55	62.23	69.85
CL 572-2358-0	FX2CA-100P-1.27DSAL				
CL 572-2309-4	FX2CA-120P-1.27DSA	120	86.25	74.93	82.55
CL 572-2359-2	FX2CA-120P-1.27DSAL				

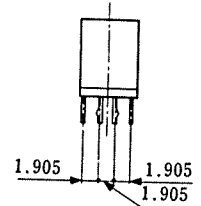
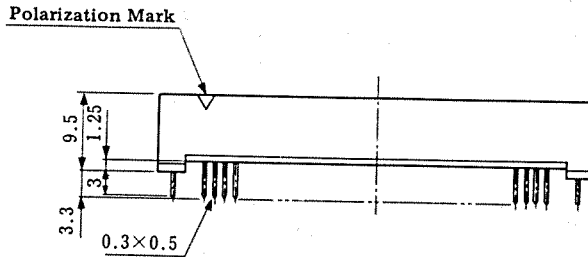
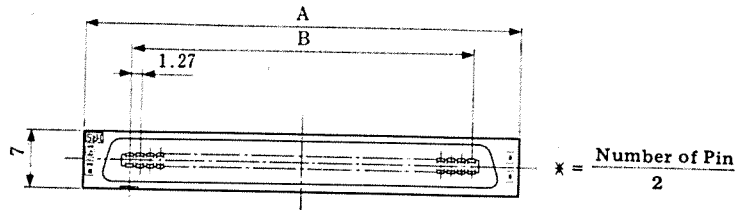
Header-No Cleaning Type

• Straight Type

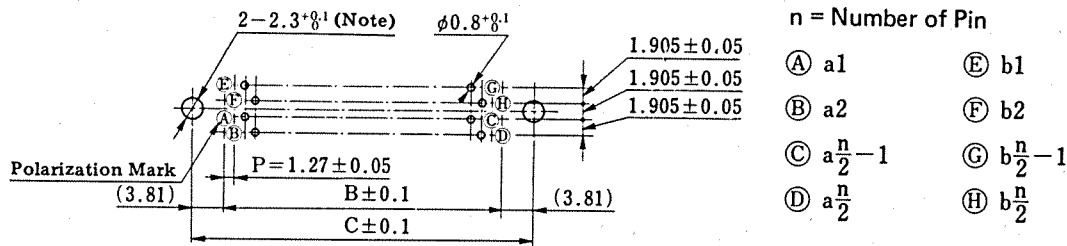


FX2C1-※P-1.27DSA (Photo)

FX2C1-※P-1.27DSAL (Fig.)



◆ PC Board Layout (Mounting Side)



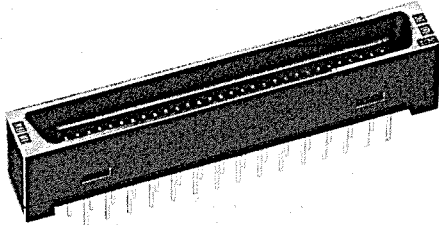
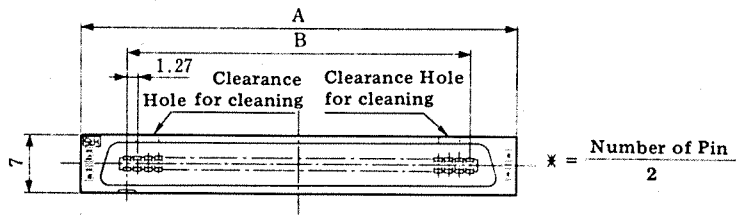
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

HRS No.	Name	No. of Pins	A	B	C
CL 572-2211-1	FX2C1- 20P-1.27DSA	20	22.75	11.43	19.05
CL 572-2261-0	FX2C1- 20P-1.27DSAL				
CL 572-2212-4	FX2C1- 32P-1.27DSA	32	30.37	19.05	26.67
CL 572-2262-2	FX2C1- 32P-1.27DSAL				
CL 572-2213-7	FX2C1- 40P-1.27DSA	40	35.45	24.13	31.75
CL 572-2263-5	FX2C1- 40P-1.27DSAL				
CL 572-2214-0	FX2C1- 52P-1.27DSA	52	43.07	31.75	39.37
CL 572-2264-8	FX2C1- 52P-1.27DSAL				
CL 572-2215-2	FX2C1- 60P-1.27DSA	60	48.15	36.83	44.45
CL 572-2265-0	FX2C1- 60P-1.27DSAL				
CL 572-2216-5	FX2C1- 68P-1.27DSA	68	53.23	41.91	49.53
CL 572-2266-3	FX2C1- 68P-1.27DSAL				
CL 572-2217-8	FX2C1- 80P-1.27DSA	80	60.85	49.53	57.15
CL 572-2267-6	FX2C1- 80P-1.27DSAL				
CL 572-2218-0	FX2C1-100P-1.27DSA	100	73.55	62.23	69.85
CL 572-2268-9	FX2C1-100P-1.27DSAL				
CL 572-2219-3	FX2C1-120P-1.27DSA	120	86.25	74.93	82.55
CL 572-2269-1	FX2C1-120P-1.27DSAL				

Header-Cleaning Type

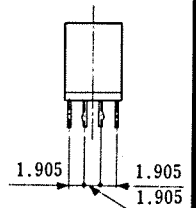
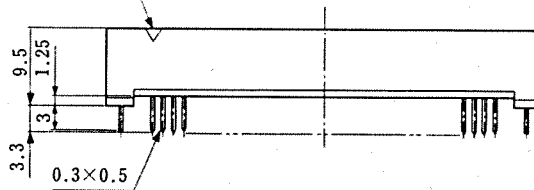
● Straight Type



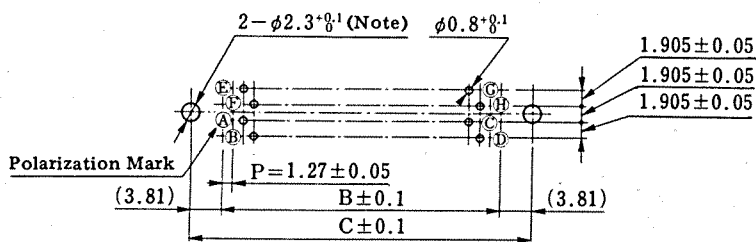
FX2CA1-※P-1.27DSA (Photo)

FX2CA1-※P-1.27DSAL(Fig.)

Polarization Mark



◆ PC Board Layout (Mounting Side)



n = Number of Pin

- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ $a\frac{n}{2}-1$ Ⓖ $b\frac{n}{2}-1$
- Ⓓ $a\frac{n}{2}$ Ⓗ $b\frac{n}{2}$

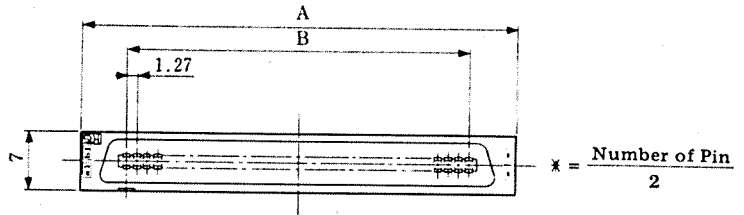
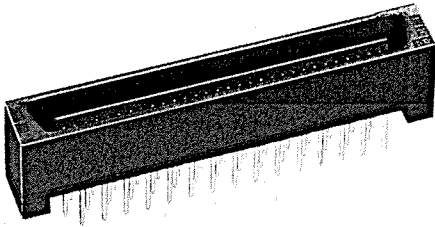
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

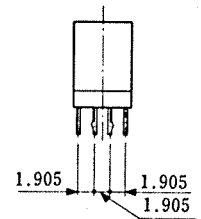
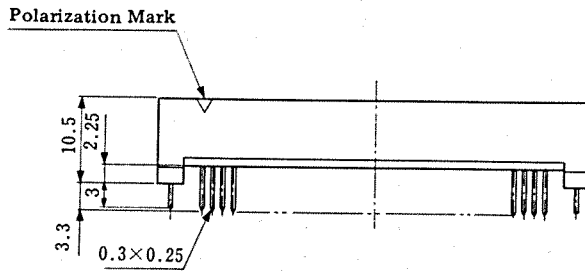
HRS No.	Name	No. of Pins	A	B	C
CL 572-2311-6	FX2CA1- 20P-1.27DSA	20	22.75	11.43	19.05
CL 572-2361-4	FX2CA1- 20P-1.27DSAL				
CL 572-2312-9	FX2CA1- 32P-1.27DSA	32	30.37	19.05	26.67
CL 572-2362-7	FX2CA1- 32P-1.27DSAL				
CL 572-2313-1	FX2CA1- 40P-1.27DSA	40	35.45	24.13	31.75
CL 572-2363-0	FX2CA1- 40P-1.27DSAL				
CL 572-2314-4	FX2CA1- 52P-1.27DSA	52	43.07	31.75	39.37
CL 572-2364-2	FX2CA1- 52P-1.27DSAL				
CL 572-2315-7	FX2CA1- 60P-1.27DSA	60	48.15	36.83	44.45
CL 572-2365-5	FX2CA1- 60P-1.27DSAL				
CL 572-2316-0	FX2CA1- 68P-1.27DSA	88	53.23	41.91	49.53
CL 572-2366-8	FX2CA1- 68P-1.27DSAL				
CL 572-2317-2	FX2CA1- 80P-1.27DSA	80	60.85	49.53	57.15
CL 572-2367-0	FX2CA1- 80P-1.27DSAL				
CL 572-2318-5	FX2CA1-100P-1.27DSA	100	73.55	62.23	69.85
CL 572-2368-3	FX2CA1-100P-1.27DSAL				
CL 572-2319-8	FX2CA1-120P-1.27DSA	120	86.25	74.93	82.55
CL 572-2369-6	FX2CA1-120P-1.27DSAL				

Header-No Cleaning Type

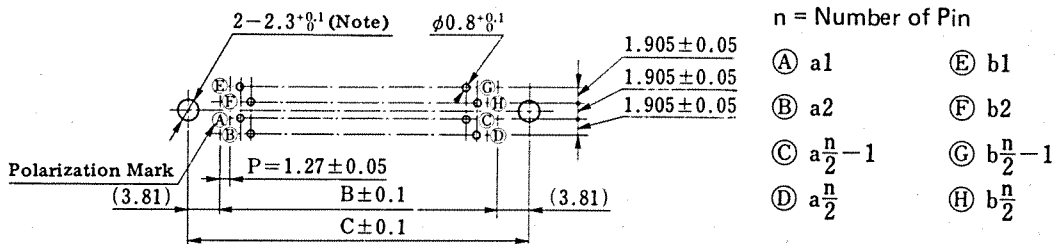
• Straight Type



FX2C2-※P-1.27DSA (Photo)
FX2C2-※P-1.27DSAL (Fig.)



◆ PC Board Layout (Mounting Side)



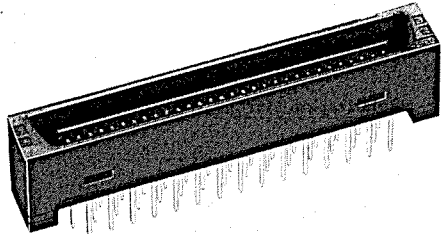
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

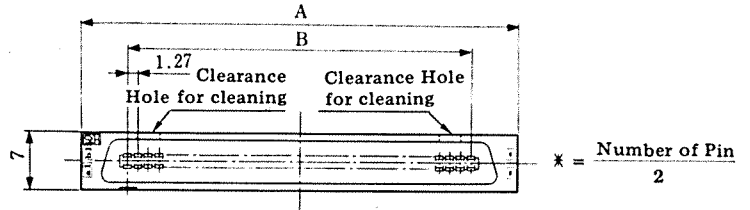
HRS No.	Name	No. of Pin	A	B	C
CL 572-2221-5	FX2C2- 20P-1.27DSA	20	22.75	11.43	19.05
CL 572-2271-3	FX2C2- 20P-1.27DSAL				
CL 572-2222-8	FX2C2- 32P-1.27DSA	32	30.37	19.05	26.67
CL 572-2272-6	FX2C2- 32P-1.27DSAL				
CL 572-2223-0	FX2C2- 40P-1.27DSA	40	35.45	24.13	31.75
CL 572-2273-9	FX2C2- 40P-1.27DSAL				
CL 572-2224-3	FX2C2- 52P-1.27DSA	52	43.07	31.75	39.37
CL 572-2274-1	FX2C2- 52P-1.27DSAL				
CL 572-2225-6	FX2C2- 60P-1.27DSA	60	48.15	36.83	44.45
CL 572-2275-4	FX2C2- 60P-1.27DSAL				
CL 572-2226-9	FX2C2- 68P-1.27DSA	68	53.23	41.91	49.53
CL 572-2276-7	FX2C2- 68P-1.27DSAL				
CL 572-2227-1	FX2C2- 80P-1.27DSA	80	60.85	49.53	57.15
CL 572-2277-0	FX2C2- 80P-1.27DSAL				
CL 572-2228-4	FX2C2-100P-1.27DSA	100	73.55	62.23	69.85
CL 572-2278-2	FX2C2-100P-1.27DSAL				
CL 572-2229-7	FX2C2-120P-1.27DSA	120	86.25	74.93	82.55
CL 572-2279-5	FX2C2-120P-1.27DSAL				

Header-Cleaning Type

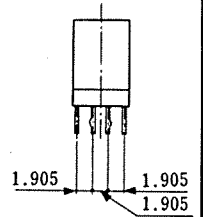
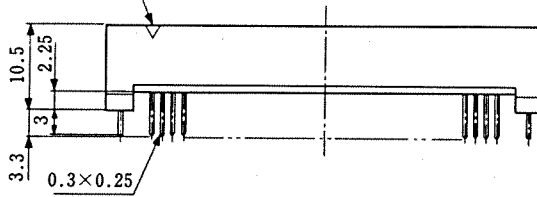
• Straight Type



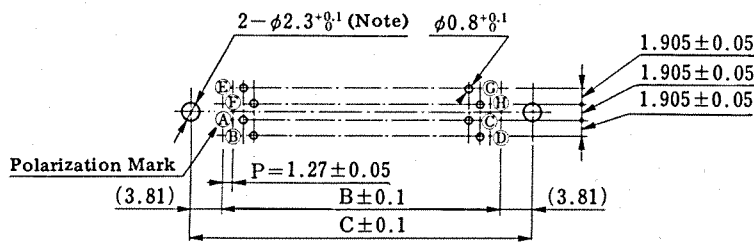
FX2CA2-※P-1.27DSA (Photo)
FX2CA2-※P-1.27DSAL (Fig.)



Polarization Mark



PC Board Layout (Mounting Side)



n = Number of Pin

- Ⓐ a1 Ⓔ b1
- Ⓑ a2 Ⓕ b2
- Ⓒ $a\frac{n}{2}-1$ Ⓖ $b\frac{n}{2}-1$
- Ⓓ $a\frac{n}{2}$ Ⓗ $b\frac{n}{2}$

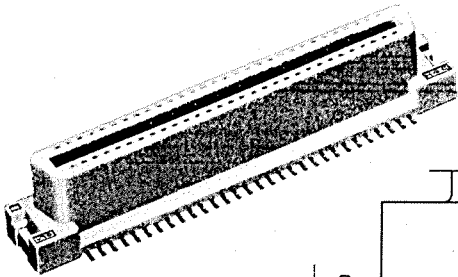
(Note) When using version without Locking Tab, no hole is needed.

Unit: mm

HRS No.	Name	No. of Pins	A	B	C
CL 572-2321-0	FX2CA2- 20P-1.27DSA	20	22.75	11.43	19.05
CL 572-2371-8	FX2CA2- 20P-1.27DSAL				
CL 572-2322-2	FX2CA2- 32P-1.27DSA	32	30.37	19.05	26.67
CL 572-2372-0	FX2CA2- 32P-1.27DSAL				
CL 572-2323-5	FX2CA2- 40P-1.27DSA	40	35.45	24.13	31.75
CL 572-2373-3	FX2CA2- 40P-1.27DSAL				
CL 572-2324-8	FX2CA2- 52P-1.27DSA	52	43.07	31.75	39.37
CL 572-2374-6	FX2CA2- 52P-1.27DSAL				
CL 572-2325-0	FX2CA2- 60P-1.27DSA	60	48.15	36.83	44.45
CL 572-2375-9	FX2CA2- 60P-1.27DSAL				
CL 572-2326-3	FX2CA2- 68P-1.27DSA	68	53.23	41.91	49.53
CL 572-2376-1	FX2CA2- 68P-1.27DSAL				
CL 572-2327-6	FX2CA2- 80P-1.27DSA	80	60.85	49.53	57.15
CL 572-2377-4	FX2CA2- 80P-1.27DSAL				
CL 572-2328-9	FX2CA2-100P-1.27DSA	100	73.55	62.23	69.85
CL 572-2378-7	FX2CA2-100P-1.27DSAL				
CL 572-2329-1	FX2CA2-120P-1.27DSA	120	86.25	74.93	82.55
CL 572-2379-0	FX2CA2-120P-1.27DSAL				

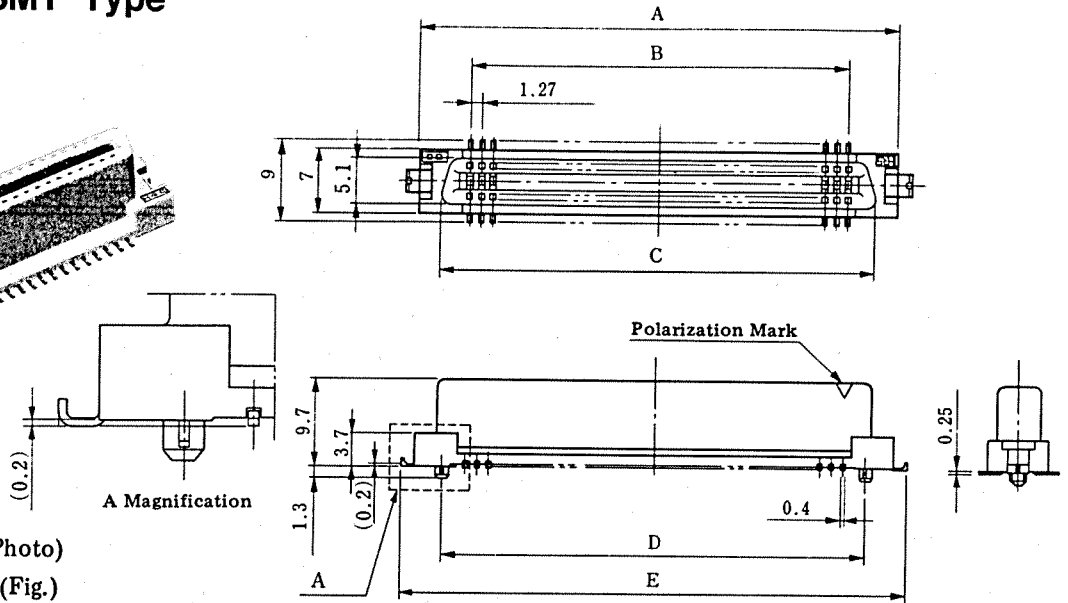
Receptacle SMT Type

● Straight Type

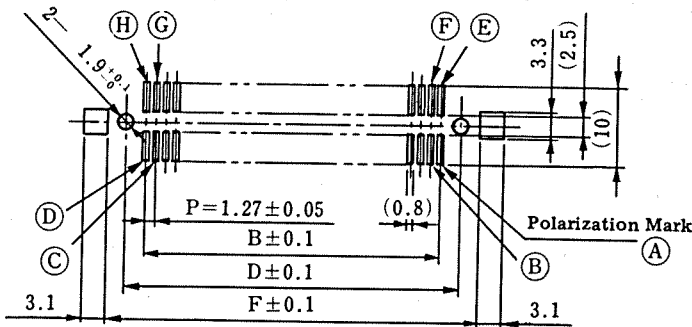


FX2-※S-1.27SV (Photo)

FX2-※S-1.27SVL (Fig.)



◆ PC Board Layout (Mounting Side)



n = Number of Pin

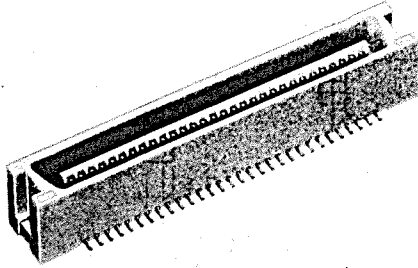
- Ⓐ a1
- Ⓑ a2
- Ⓒ $a\frac{n}{2}-1$
- Ⓓ $a\frac{n}{2}$
- Ⓔ b1
- Ⓕ b2
- Ⓖ $b\frac{n}{2}-1$
- Ⓗ $b\frac{n}{2}$

Unit: mm

HRS No.	Name	No. of Pins	A	B	C	D	E	F
CL 572-2101-3	FX2- 20S-1.27SV	20	22.75	11.43	17.63	16.51	25.75	21.15
CL 572-2151-1	FX2- 20S-1.27SVL							
CL 572-2102-6	FX2- 32S-1.27SV	32	30.37	19.05	25.25	24.13	33.37	28.77
CL 572-2152-4	FX2- 32S-1.27SVL							
CL 572-2103-9	FX2- 40S-1.27SV	40	35.45	24.13	30.33	29.21	38.45	33.85
CL 572-2153-7	FX2- 40S-1.27SVL							
CL 572-2104-1	FX2- 52S-1.27SV	52	43.07	31.75	37.95	36.83	46.07	41.47
CL 572-2154-0	FX2- 52S-1.27SVL							
CL 572-2105-4	FX2- 60S-1.27SV	60	48.15	36.83	43.03	41.91	51.15	46.55
CL 572-2155-2	FX2- 60S-1.27SVL							
CL 572-2106-7	FX2- 68S-1.27SV	68	53.23	41.91	48.11	46.99	56.23	51.63
CL 572-2156-5	FX2- 68S-1.27SVL							
CL 572-2107-0	FX2- 80S-1.27SV	80	60.85	49.53	55.73	54.61	63.85	59.25
CL 572-2157-8	FX2- 80S-1.27SVL							
CL 572-2108-2	FX2-100S-1.27SV	100	73.55	62.23	68.43	67.31	76.55	71.95
CL 572-2158-0	FX2-100S-1.27SVL							
CL 572-2109-5	FX2-120S-1.27SV	120	86.25	74.93	81.13	80.01	89.25	84.65
CL 572-2159-3	FX2-120S-1.27SVL							

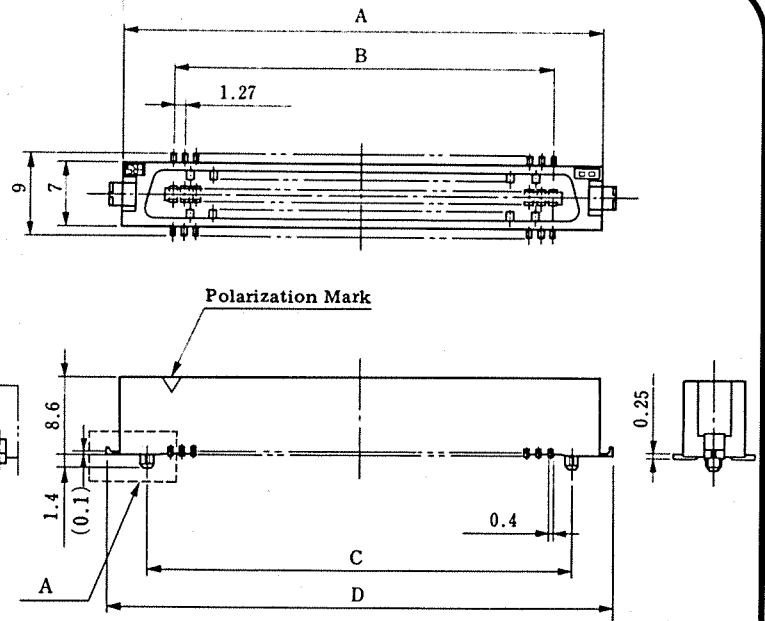
Header SMT Type

● Straight Type



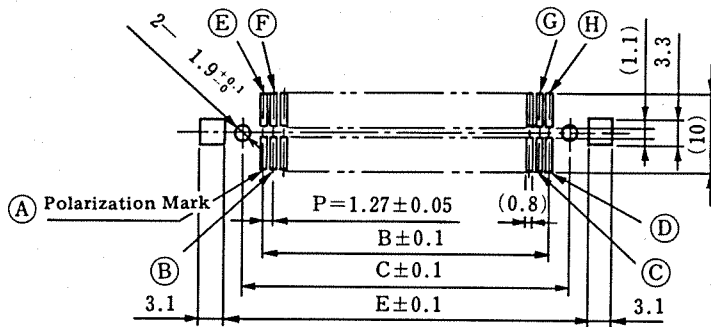
FX2-※P-1.27SV (Photo)

FX2-※P-1.27SVL (Fig.)



A Magnification

◆ PC Board Layout (Mounting Side)



n = Number of Pin

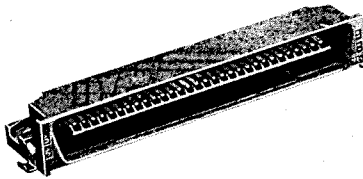
- Ⓐ a1
- Ⓑ a2
- Ⓒ $a\frac{n}{2}-1$
- Ⓓ $a\frac{n}{2}$
- Ⓔ b1
- Ⓕ b2
- Ⓖ $b\frac{n}{2}-1$
- Ⓗ $b\frac{n}{2}$

Unit: mm

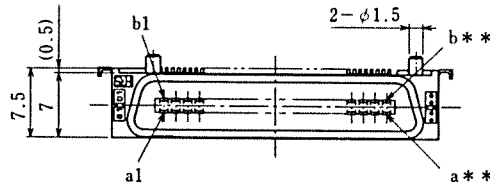
HRS No.	Name	No. of Pin	A	B	C	D	E
CL 572-2001-9	FX2- 20P-1.27SV	20	22.75	11.43	16.51	/	/
CL 572-2051-7	FX2- 20P-1.27SVL					25.75	21.15
CL 572-2002-1	FX2- 32P-1.27SV	32	30.37	19.05	24.13	/	/
CL 572-2052-0	FX2- 32P-1.27SVL					33.37	28.77
CL 572-2003-4	FX2- 40P-1.27SV	40	35.45	24.13	29.21	/	/
CL 572-2053-2	FX2- 40P-1.27SVL					38.45	33.85
CL 572-2004-7	FX2- 52P-1.27SV	52	43.07	31.75	36.83	/	/
CL 572-2054-5	FX2- 52P-1.27SVL					46.07	41.47
CL 572-2005-0	FX2- 60P-1.27SV	60	48.15	36.83	41.91	/	/
CL 572-2055-8	FX2- 60P-1.27SVL					51.15	46.55
CL 572-2006-2	FX2- 68P-1.27SV	68	53.23	41.91	46.99	/	/
CL 572-2056-0	FX2- 68P-1.27SVL					56.23	51.63
CL 572-2007-5	FX2- 80P-1.27SV	80	60.85	49.53	54.61	/	/
CL 572-2057-3	FX2- 80P-1.27SVL					63.85	59.25
CL 572-2008-8	FX2-100P-1.27SV	100	73.55	62.23	67.31	/	/
CL 572-2058-6	FX2-100P-1.27SVL					76.55	71.95
CL 572-2009-0	FX2-120P-1.27SV	120	86.25	74.93	80.01	/	/
CL 572-2059-9	FX2-120P-1.27SVL					89.25	84.65

Header SMT Type

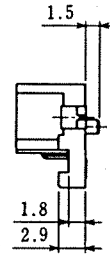
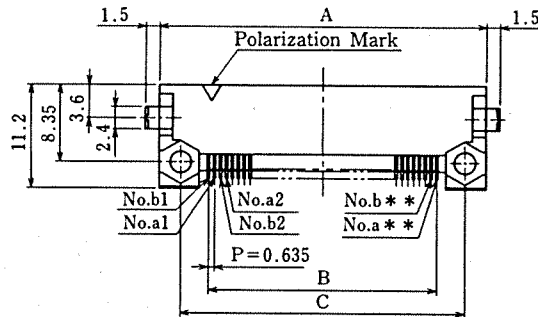
Right-angled Type



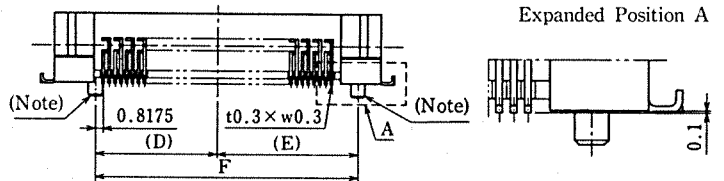
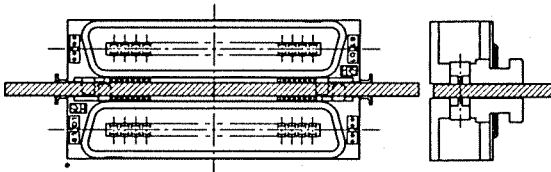
FX2A-※P-0.635SH



$$** = \frac{\text{Number of Pin}}{2}$$



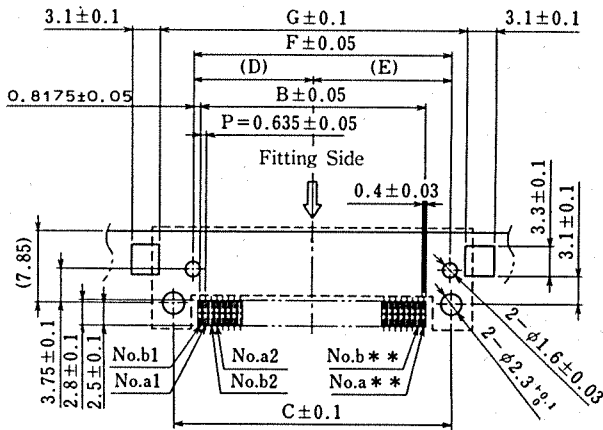
Mounting Example (for reference)



Positioning bosses are arranged asymmetrically on the right and left sides. It is possible, therefore, to mount on the surface of a printed circuit board as illustrated above.

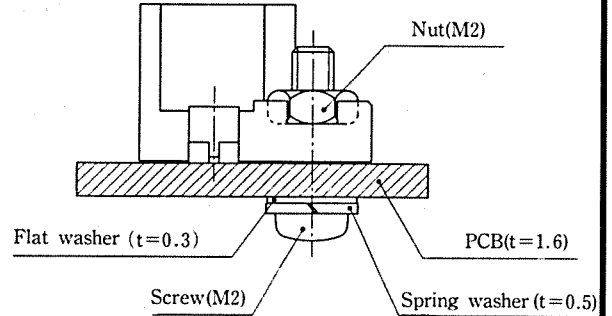
Note) FA2A type does not have either right or left positioning bosses as illustrated.

Dimensional Drawing of Recommended Land Patterns



(Conforming printed circuit board thickness: $t=1.6\pm0.1$)

Screw Fasting Example (Recommendation)



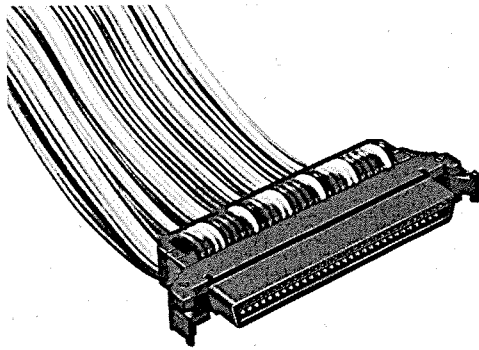
Use M2 screw with a recommended tightening torque of 0.15 (Nm).

Unit : mm

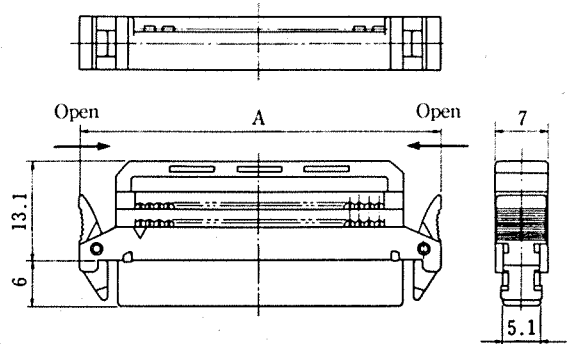
HRS No.	Part No.	No. of pin	A	B	C	D	E	F	G
CL572-2761-2	FX2-20P-0.635SH	20	22.75	12.065	18.05	6.85	8.85	15.7	21.15
CL572-2771-6	FX2A-20P-0.635SH					—	—	—	
CL572-2763-8	FX2-40P-0.635SH	40	35.45	24.765	30.75	13.20	15.20	28.40	33.85
CL572-2773-1	FX2A-40P-0.635SH					—	—	—	
CL572-2764-0	FX2-52P-0.635SH	52	43.07	32.385	38.37	17.01	19.01	36.02	41.47
CL572-2774-4	FX2A-52P-0.635SH					—	—	—	
CL572-2765-3	FX2-60P-0.635SH	60	48.15	37.465	43.45	19.55	21.55	41.1	46.55
CL572-2775-7	FX2A-60P-0.635SH					—	—	—	
CL572-2767-9	FX2-80P-0.635SH	80	60.85	50.165	56.15	25.9	27.9	53.8	59.25
CL572-2777-2	FX2A-80P-0.635SH					—	—	—	

Socket

● IDC Socket with Ejectors



FX2B-※S-1.27R

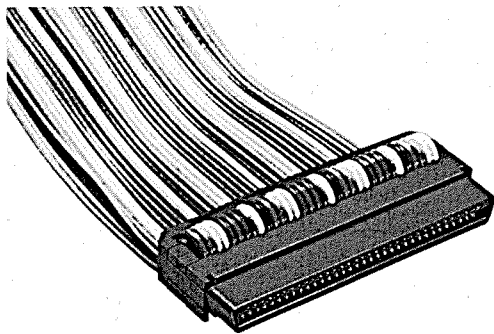


Mated Status

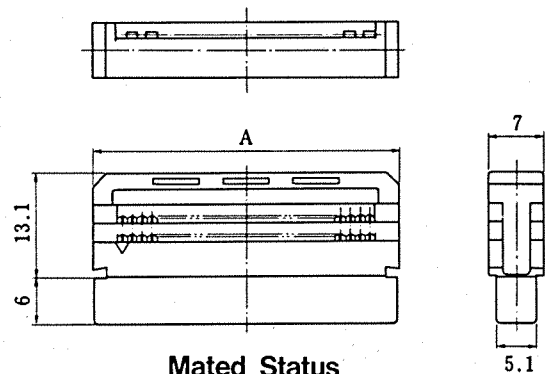
Unit : mm

HRS No.	Part No.	No. of pin	A
CL572-0621-2	FX2B-20SA-1.27R	20	27.83
CL572-0622-5	FX2B-32SA-1.27R	32	35.45
CL572-0623-8	FX2B-40SA-1.27R	40	40.53
CL572-0624-0	FX2B-52SA-1.27R	52	48.15
CL572-0625-3	FX2B-60SA-1.27R	60	53.23
CL572-0629-4	FX2B-68SA-1.27R	68	58.31
CL572-0630-3	FX2B-80SA-1.27R	80	65.93
CL572-0628-1	FX2B-100SA-1.27R	100	78.63

● IDC Socket without Ejector



FX2BA-※S-1.27R



Mated Status

Unit : mm

HRS No.	Part No.	No. of pin	A
CL572-0671-0	FX2BA-20SA-1.27R	20	18.05
CL572-0672-3	FX2BA-32SA-1.27R	32	25.67
CL572-0673-6	FX2BA-40SA-1.27R	40	30.75
CL572-0674-9	FX2BA-52SA-1.27R	52	38.37
CL572-0675-1	FX2BA-60SA-1.27R	60	43.45
CL572-0676-4	FX2BA-68SA-1.27R	68	48.53
CL572-0677-7	FX2BA-80SA-1.27R	80	56.15
CL572-0678-0	FX2BA-100SA-1.27R	100	68.85

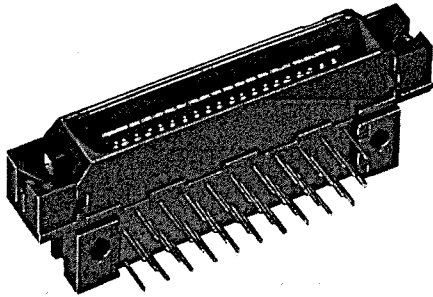
Tooling

Item	HRS No.	Part No.
Guide Plate	550-0212-6	FX2B(A)-GPA
Connecting Press	550-0082-2	Hi-Flex Connecting Press

Note) No HIF6 Cable Cutter FC601 is needed when FX2B (A) IDC connection is made.
(Without 凸凹 cut IDC connection is made.)

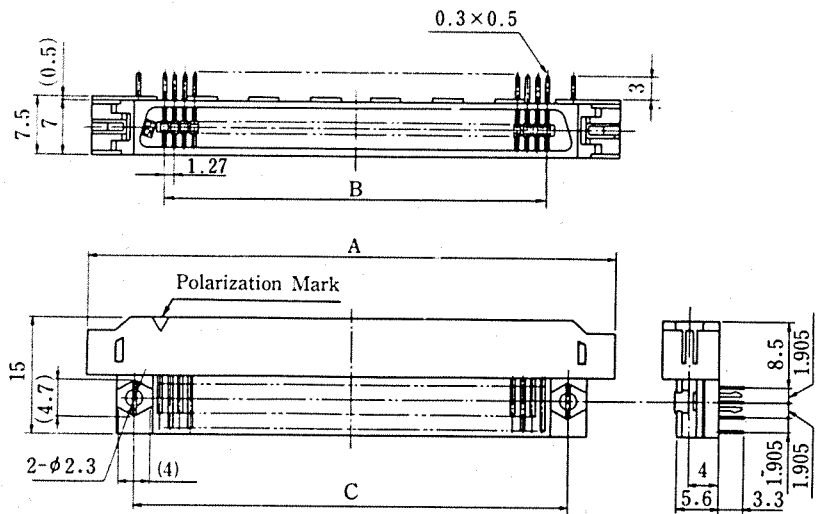
Header

● Right Angle Type for IDC Socket with Ejectors

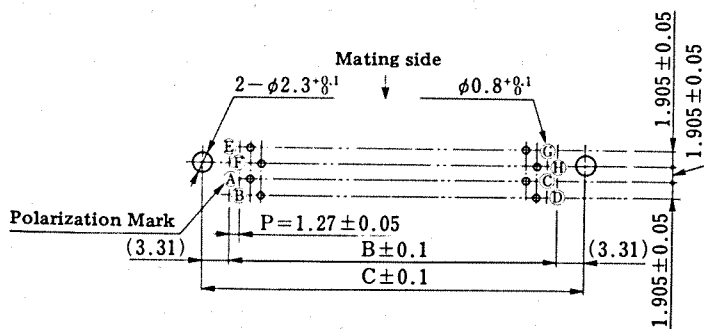


FX2B-※PA-1.27DS (Photo)

FX2B-※PA-1.27DSL (Fig.)



◆ PCB Layout (Mounting Side)



n=Number of Pin

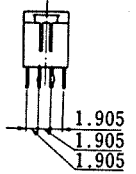
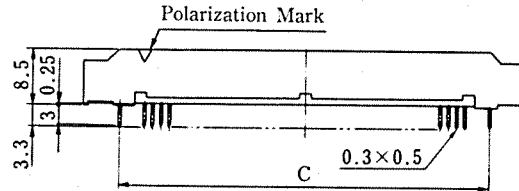
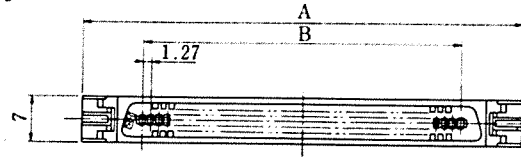
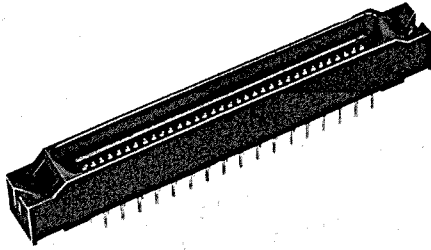
- | | |
|--------------------|--------------------|
| Ⓐ a1 | Ⓔ b1 |
| Ⓑ a2 | Ⓕ b2 |
| Ⓒ $a\frac{n}{2}-1$ | Ⓖ $b\frac{n}{2}-1$ |
| Ⓓ $a\frac{n}{2}$ | Ⓗ $b\frac{n}{2}$ |

Unit : mm

HRS No.	Part No.	No. of pin	A	B	C
CL572-0721-7	FX2B-20PA-1.27DS	20	30.33	11.43	18.05
CL572-0771-5	FX2B-20PA-1.27DSL				
CL572-0722-0	FX2B-32PA-1.27DS	32	37.95	19.05	25.67
CL572-0772-8	FX2B-32PA-1.27DSL				
CL572-0723-2	FX2B-40PA-1.27DS	40	43.03	24.13	30.75
CL572-0773-0	FX2B-40PA-1.27DSL				
CL572-0724-5	FX2B-52PA-1.27DS	52	50.65	31.75	38.37
CL572-0774-3	FX2B-52PA-1.27DSL				
CL572-0725-8	FX2B-60PA-1.27DS	60	55.73	36.83	43.45
CL572-0775-6	FX2B-60PA-1.27DSL				
CL572-0726-0	FX2B-68PA-1.27DS	68	60.81	41.91	48.53
CL572-0776-9	FX2B-68PA-1.27DSL				
CL572-0727-3	FX2B-80PA-1.27DS	80	68.43	49.53	56.15
CL572-0777-1	FX2B-80PA-1.27DSL				
CL572-0728-6	FX2B-100PA-1.27DS	100	81.13	62.23	68.85
CL572-0778-4	FX2B-100PA-1.27DSL				

Header-No Cleaning Type

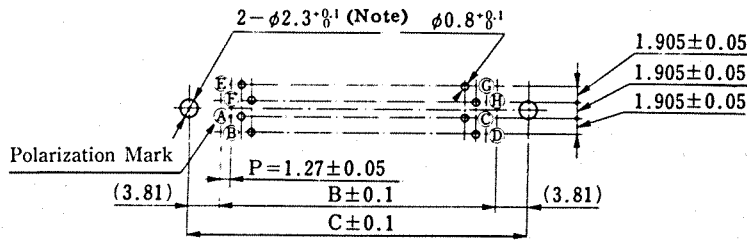
● Straight Type for IDC Socket with Ejectors



FX2B-※PA-1.27DSA (Photo)

FX2B-※PA-1.27DSAL (Fig.)

◆ PCB Layout (Mounting Side)



n=Number of Pin

- | | |
|---------------------|---------------------|
| Ⓐ a1 | Ⓔ b1 |
| Ⓑ a2 | Ⓕ b2 |
| Ⓒ $\frac{a}{2} - 1$ | Ⓖ $\frac{b}{2} - 1$ |
| Ⓓ $\frac{a}{2}$ | Ⓗ $\frac{b}{2}$ |

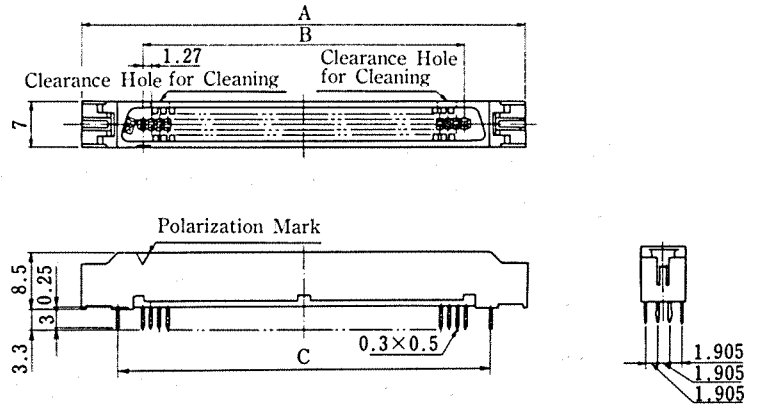
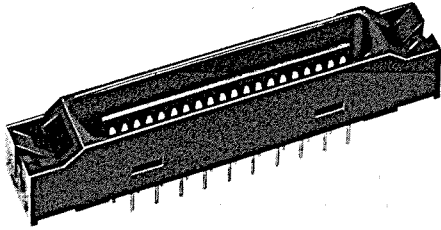
(Note) When using version without Locking Tab, no hole is needed.

Unit : mm

HRS No.	Part No.	No. of pin	A	B	C
CL572-0801-4	FX2B-20P-1.27DSA	20	30.33	11.43	19.05
CL572-0851-2	FX2B-20P-1.27DSAL				
CL572-0802-7	FX2B-32P-1.27DSA	32	37.95	19.05	26.67
CL572-0852-5	FX2B-32P-1.27DSAL				
CL572-0823-7	FX2B-40PA-1.27DSA	40	43.03	24.13	31.75
CL572-0873-5	FX2B-40PA-1.27DSAL				
CL572-0824-0	FX2B-52PA-1.27DSA	52	50.65	31.75	39.37
CL572-0874-8	FX2B-52PA-1.27DSAL				
CL572-0825-2	FX2B-60PA-1.27DSA	60	55.73	36.83	44.45
CL572-0875-0	FX2B-60PA-1.27DSAL				
CL572-0826-5	FX2B-68PA-1.27DSA	68	60.81	41.91	49.53
CL572-0876-3	FX2B-68PA-1.27DSAL				
CL572-0827-8	FX2B-80PA-1.27DSA	80	68.43	49.53	57.15
CL572-0877-6	FX2B-80PA-1.27DSAL				
CL572-0828-0	FX2B-100PA-1.27DSA	100	81.13	62.23	69.85
CL572-0878-9	FX2B-100PA-1.27DSAL				

Header-Cleaning Type

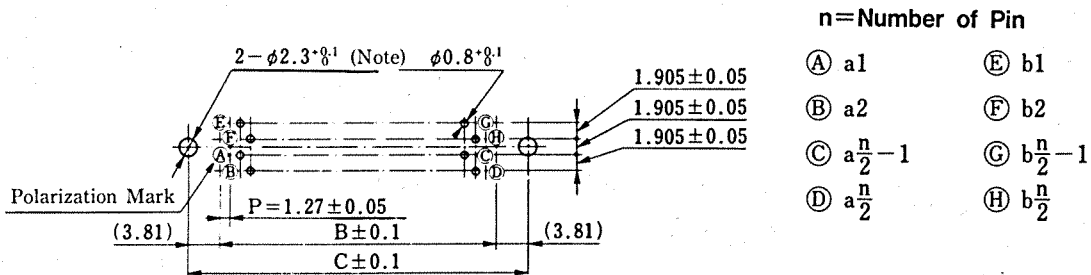
- Straight Type for IDC Socket with Ejectors



FX2BA-※PA-1.27DSA (Photo)

FX2BA-※PA-1.27DSAL (Fig.)

PCB Layout (Mounting Side)

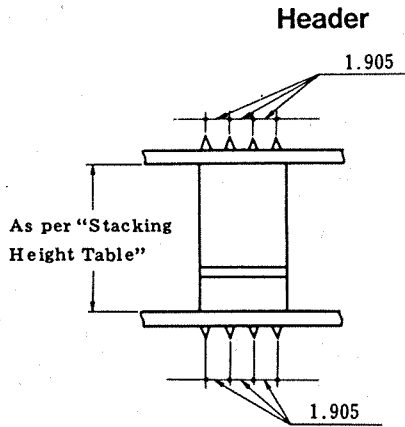


(Note) When using version without Locking Tab, no hole is needed.

Unit : mm

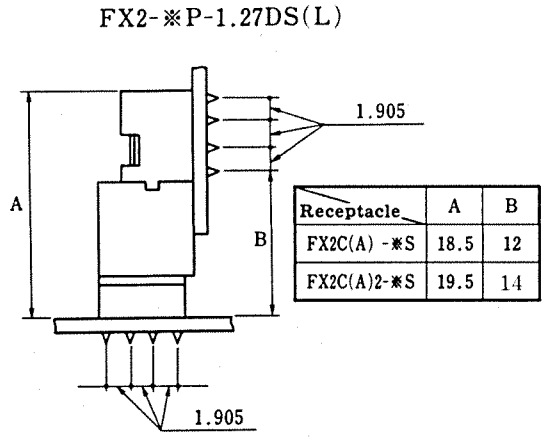
HRS No.	Part No.	No. of pin	A	B	C
CL572-0901-9	FX2BA-20P-1.27DSA	20	30.33	11.43	19.05
CL572-0951-7	FX2BA-20P-1.27DSAL				
CL572-0902-1	FX2BA-32P-1.27DSA	32	37.95	19.05	26.67
CL572-0952-0	FX2BA-32P-1.27DSAL				
CL572-0923-1	FX2BA-40PA-1.27DSA	40	43.03	24.13	31.75
CL572-0973-0	FX2BA-40PA-1.27DSAL				
CL572-0924-4	FX2BA-52PA-1.27DSA	52	50.65	31.75	39.37
CL572-0974-2	FX2BA-52PA-1.27DSAL				
CL572-0925-7	FX2BA-60PA-1.27DSA	60	55.73	36.83	44.45
CL572-0975-5	FX2BA-60PA-1.27DSAL				
CL572-0926-0	FX2BA-68PA-1.27DSA	68	60.81	41.91	49.53
CL572-0976-8	FX2BA-68PA-1.27DSAL				
CL572-0927-2	FX2BA-80PA-1.27DSA	80	68.43	49.53	57.15
CL572-0977-0	FX2BA-80PA-1.27DSAL				
CL572-0928-5	FX2BA-100AP-1.27DSA	100	81.13	62.23	69.85
CL572-0978-3	FX2BA-100PA-1.27DSAL				

◆ Dip Type Application Chart



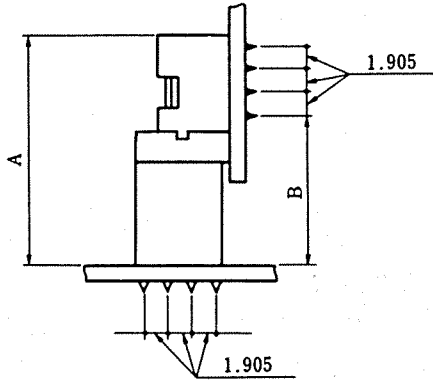
Stacking Height Table

Receptacle Header	FX2CA-*S	FX2CA2-*S
FX2CA-*P	12	14
FX2CA1-*P	13	15
FX2CA2-*P	14	16



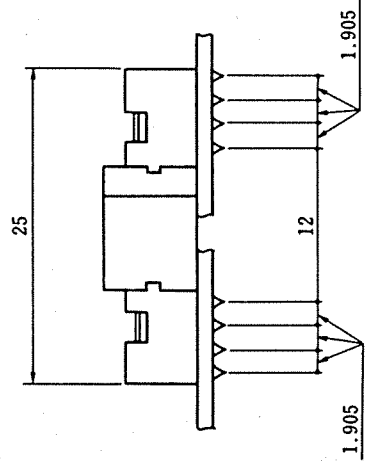
Receptacle	A	B
FX2C(A) -*S	18.5	12
FX2C(A)2-*S	19.5	14

Receptacle
FX2-*S-1.27DS(L)

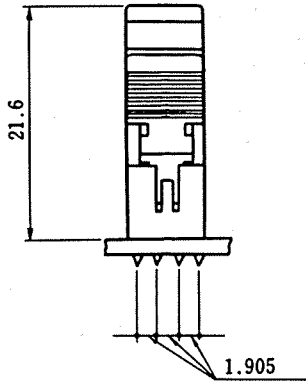


Header	A	B
FX2C(A) -*P	18.5	12
FX2C(A)1-*P	19.5	13
FX2C(A)2-*P	20.5	14

Receptacle
FX2-*S-1.27DS(L)

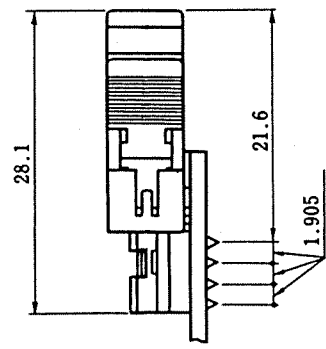


Header
FX2B(A) -*SA-1.27R



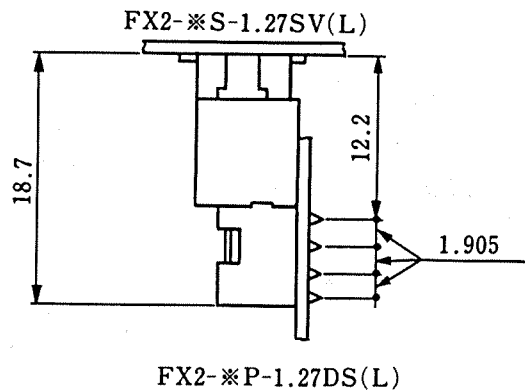
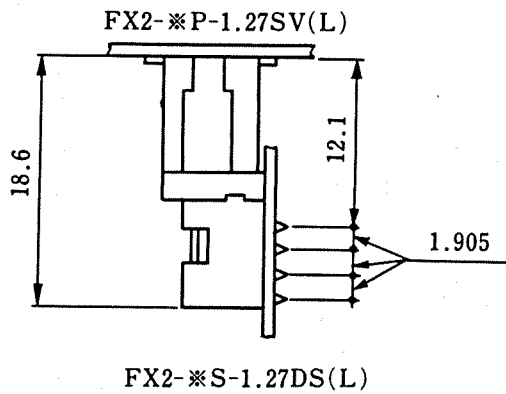
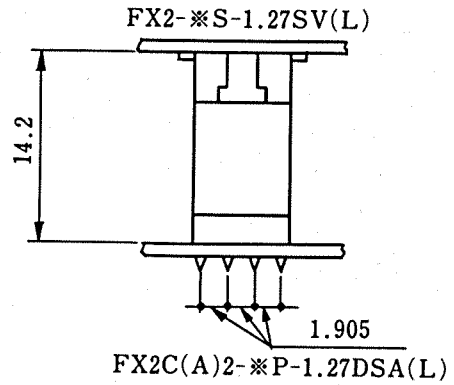
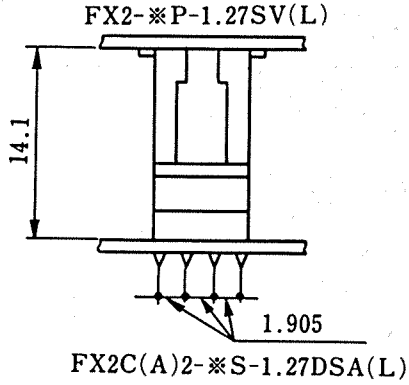
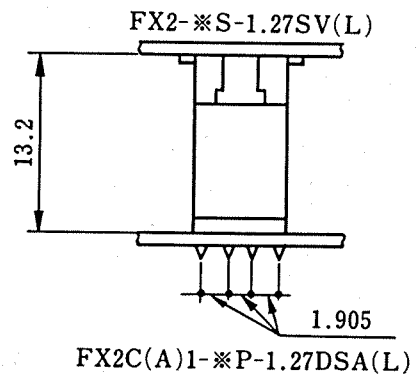
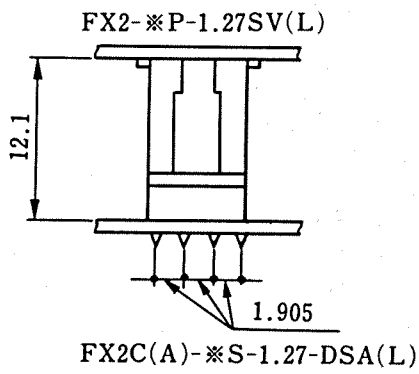
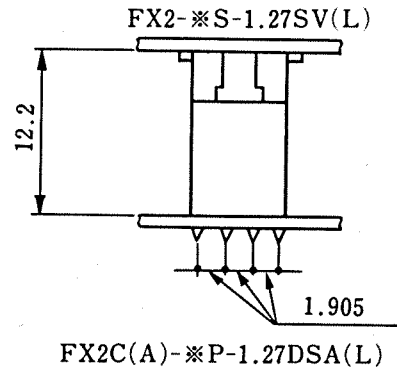
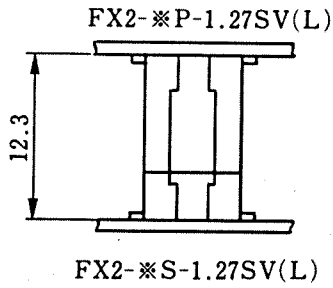
FX2B(A) -*P(A)-1.27DSA(L)

Header
FX2B(A) -*SA-1.27R



FX2B-*PA-1.27DS(L)

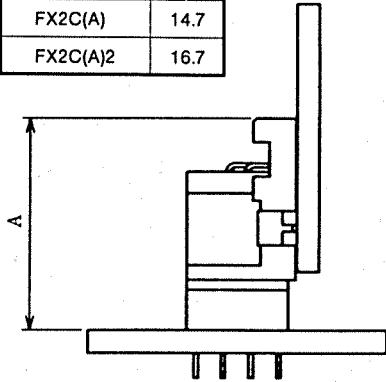
◆ SMT Type Application Chart



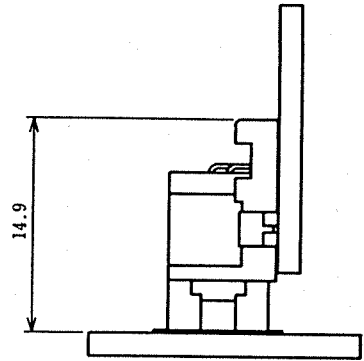
◆ SMT Type Application Chart

FX2(A) - ※P-0.635SH

Receptacle	A
FX2C(A)	14.7
FX2C(A)2	16.7



FX2(A) - ※P-0.635SH

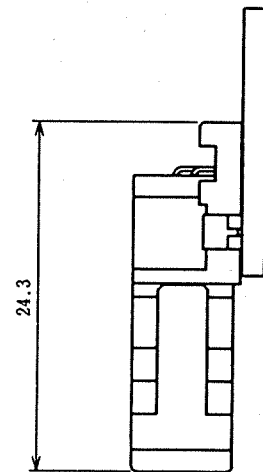
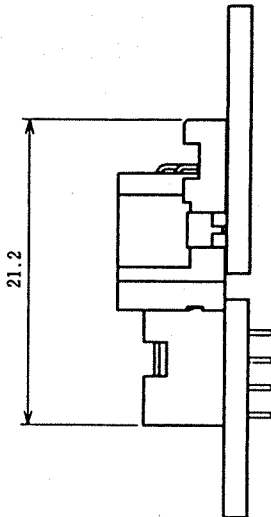


FX2C(A·2) - ※S-1.27DSA(L)

FX2 - ※S-1.27SV(L)

FX2(A) - ※P-0.635SH

FX2(A) - ※P-0.635SH



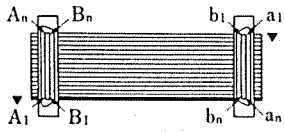
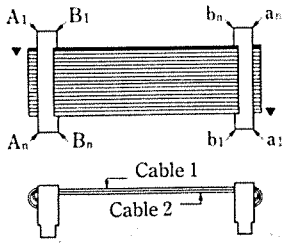
FX2 - ※S-1.27DS(L)

FX2BA - ※SA-1.27R

◆ Connection Circuit Chart

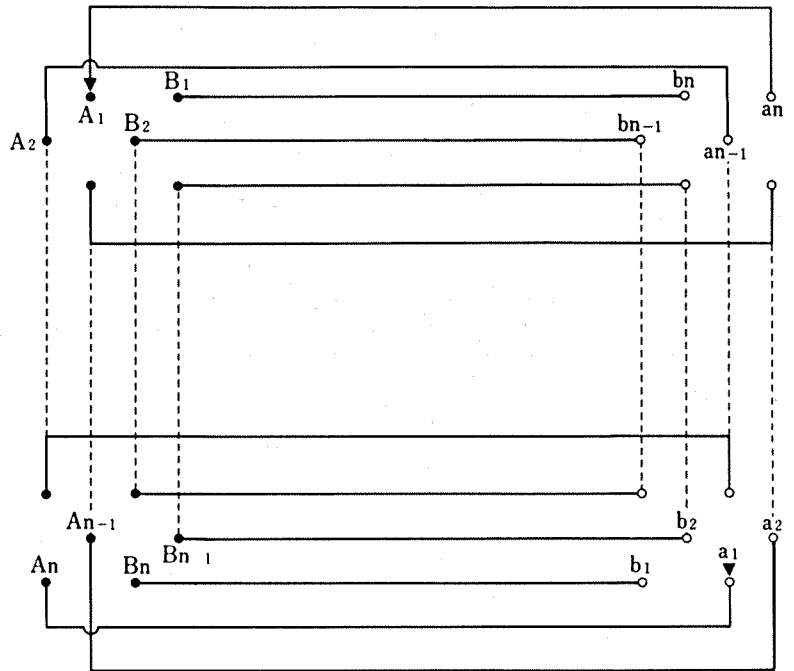
$$n = \frac{\text{No. of Pins}}{2}$$

Type A,B

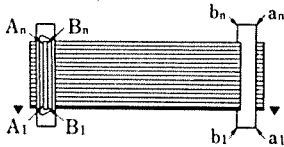
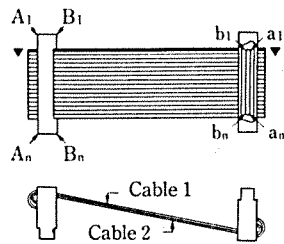


Connection of Cable 1 Connection of Cable 2

A ₁ ——— a _n	B ₁ ——— b _n
A ₂ ——— a _{n-1}	B ₂ ——— b _{n-1}
⋮	⋮
A _n ——— a ₁	B _n ——— b ₁

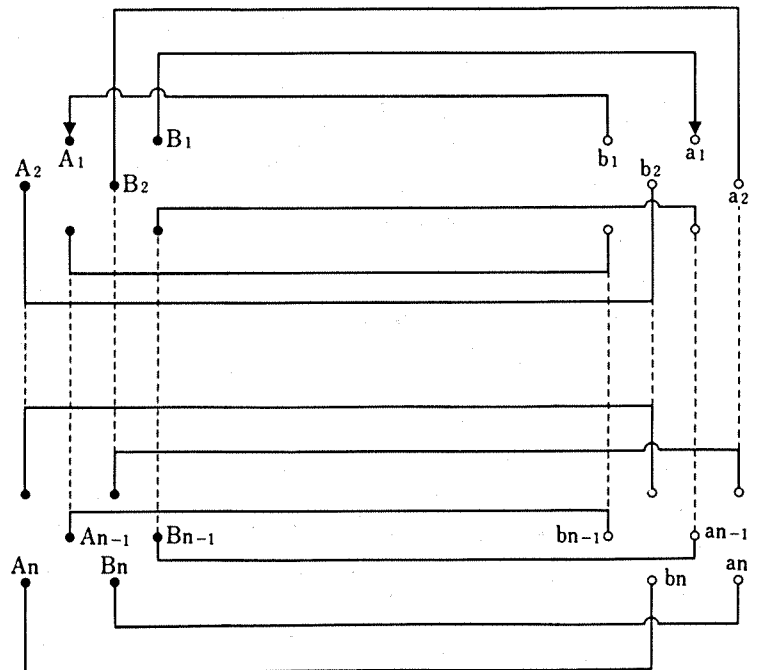


Type A,A



Connection of Cable 1 Connection of Cable 2

A ₁ ——— b ₁	B ₁ ——— a ₁
A ₂ ——— b ₂	B ₂ ——— a ₂
⋮	⋮
A _n ——— b _n	B _n ——— a _n

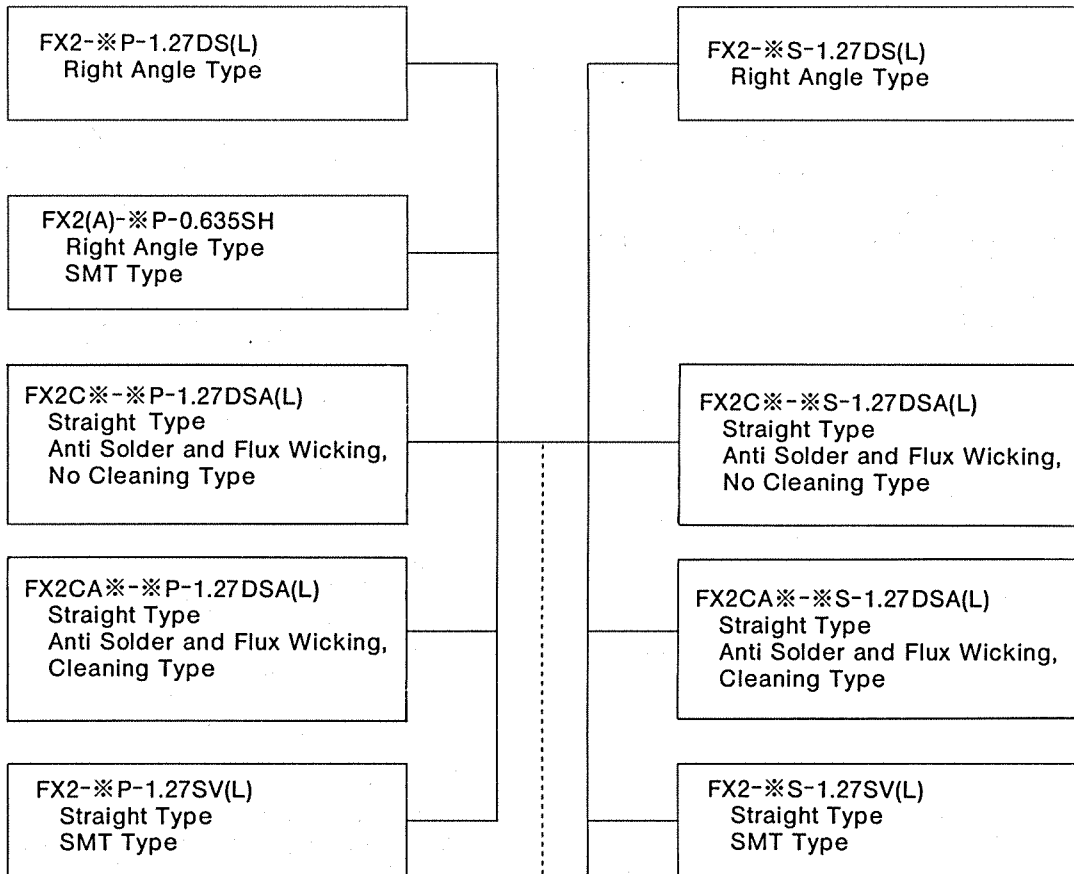


Function

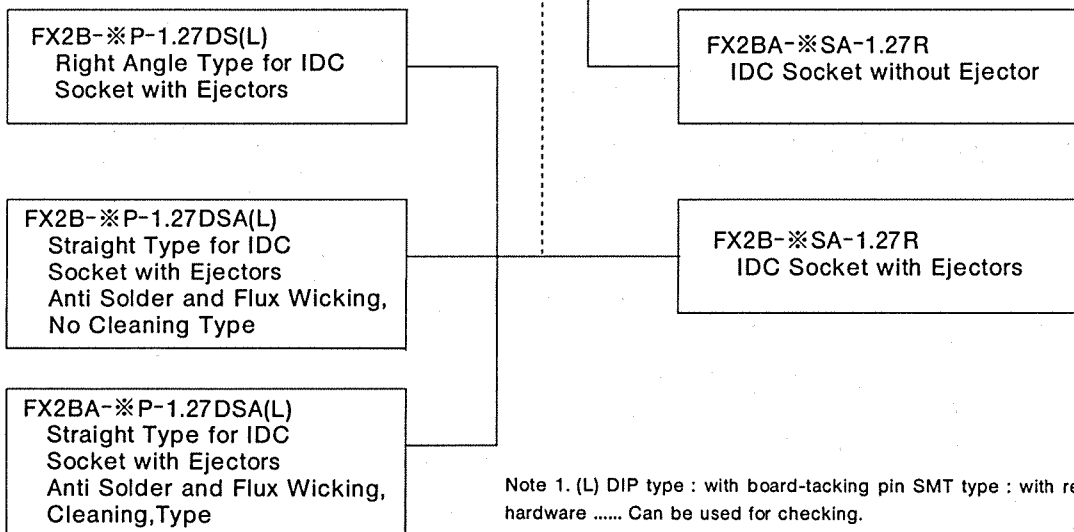
(Header)

(Receptacle, Socket)

● PCB to PCB Type



● PCB to IDC Socket



Note 1. (L) DIP type : with board-tacking pin SMT type : with reinforcement hardware Can be used for checking.

How to Use Connectors

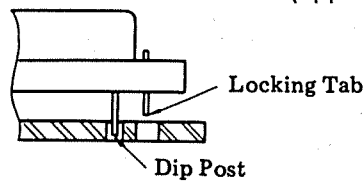
1. Connector selection

- (1) If you require no board cleaning after wave solder, you should select the anti solder and flux wicking construction of our FX2C series of connectors, with straight dip solder contacts. However, if board cleaning after wave solder is required or desired, you should select our FX2CA series of connectors, with right angle contacts. Clean right-angle connectors (FX2-*, FX2B-*) with liquid free from impurities.
- (2) If subject to vibration, impact, or load, socket cable type connectors must be lockable. Also, do not fail to clamp the cable if they are subject to load.

2. Temporary PCB hold down

Versions of the FX2 series are available with temporary PCB hold down pins for the wave solder process.

(Applicable board thickness $t = 1.6 \pm 0.1$)

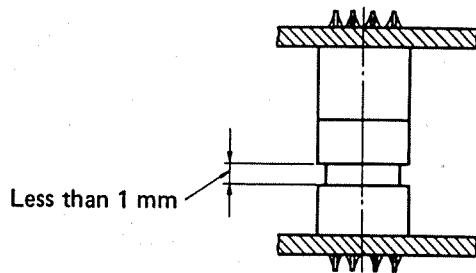


Note: When mounting a connector on a board fixing pin is temporarily pushed into the hole after the dip post is guided into the board through-hole, thereby preventing breaking of the post.

3. Coupling Gap Tolerance

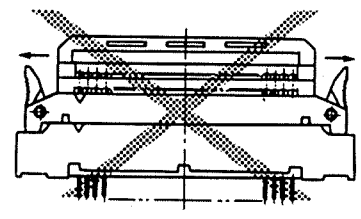
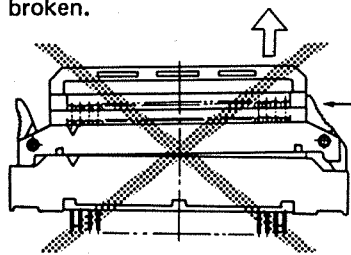
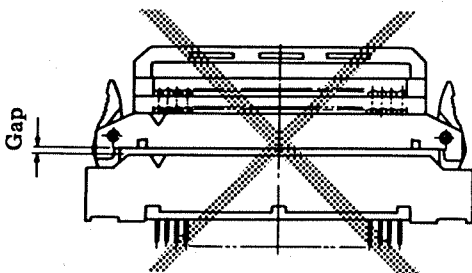
The GAP between a mated pair of FX2 connectors is less than 1 mm. (except Socket with Ejectors)

(Examples) FX2C-*P-1.27DSA and FX2C-*S-1.27DSA



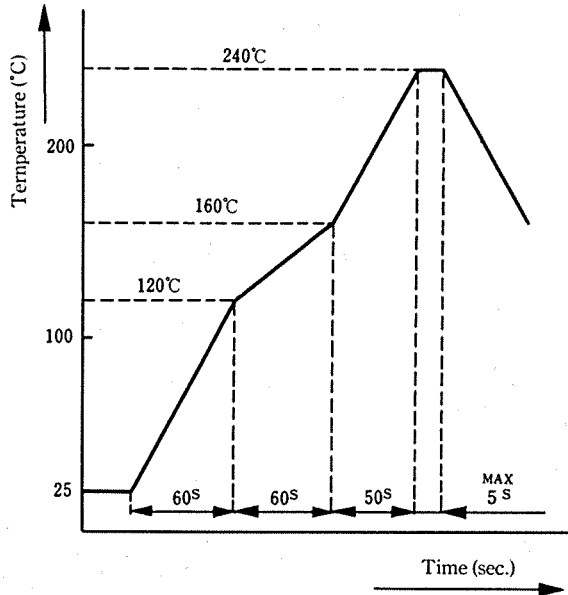
4. Precaution when using Socket with Ejectors

- (1) Insert the connector upto the end without the gap between socket and header.
- (2) When pulling the socket out of the header, push both sides of the ejectors inside and then pull the socket out. When pushing only one side of the ejectors and pulling it out, the connector might possibly be broken.
- (3) Do not push the ejectors outside.



5. SMT type connector packaging temperature profile (reference)

● IR Reflow



- Printed Circuit Board
Dimension : 110×40×1.6 (mm)
Material : Glass epoxy
- Cream Solder :
Composition : 63Sn/37Pb (with flux content of 11wt%)
Metal mask thickness: 0.2 mm (Straight type)
0.5 mm (Right-angled type)

6. Inter-board gap when SMT connectors are used

The gap dimensions between boards mounting male and female connectors as shown in the Application Drawing, exclude the thickness of solder paste. Thus, note that the actual gap will increase by the thickness of the solder.