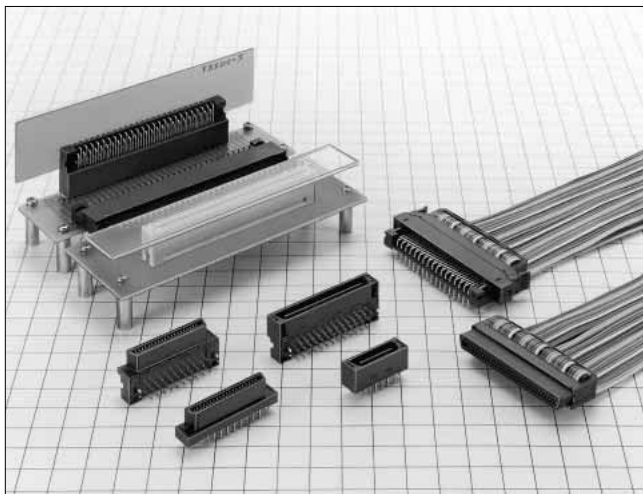


1.27mm Pitch Multi-function Two Piece Connector

FX2 Series



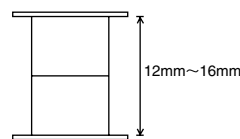
■ Features

1. Various connection with various product line

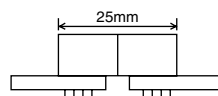
Stacking connection		Vertical type		Cable connection
Through hole type	SMT type	Through hole type	SMT type	
		Through hole type	SMT type	

Through hole type		Horizontal type
SMT type		Horizontal type
Cable only		Vertical type
		Through hole type
		SMT type
		Cable connection

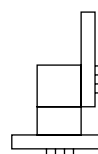
Stacking connection (Stack height: 12~16mm)



Horizontal Connection



Vertical Connection



2. Easy One-Touch Operation

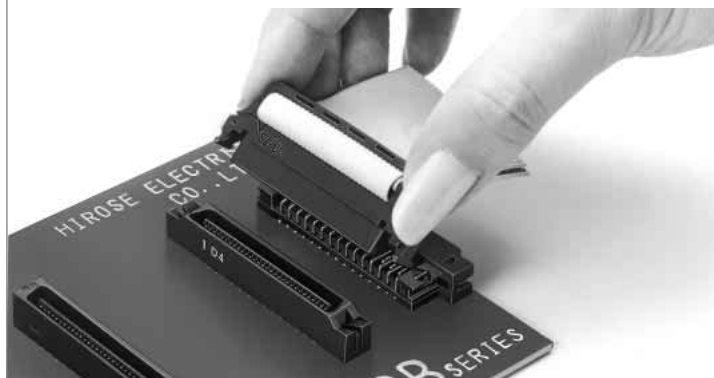
The ribbon cable connection type allows easy one-touch operation with either single hand.

Insertion and Extraction

(1) Pick internal locks with thumb and the index finger.



(2) With unique and preferable click feeling, the cable and connector can be inserted or withdrawn.



(For insertion, the operation proceeds from procedure (2) to (1).)

HRS

Ordering Information

Board to Board Receptacle

FX2 CA 2 - * S - 1.27 DSA L

1 2 3 4 5 6 7 8

1 Series Name :FX2	4 Number of contacts: 20, 32, 40, 52, 60, 68, 80, 100, 120
2 Blank: Right angle type	5 Connector type: S: Receptacle
C : Straight non-cleaning type	6 Contact pitch: 1.27mm
CA : Straight cleaning type	7 Contact type
3 Product height variation (DSA only)	DS : Right angle type
Blank : Standard product	DSA : Straight type
2 : +2mm	8 L: Board prefixed pin

Board to Board Header

FX2 CA 1 - * P - 1.27 DSA L

1 2 3 4 5 6 7 8

1 Series Name :FX2	4 Number of contacts: 20, 32, 40, 52, 60, 68, 80, 100, 120
2 None : Right angle type	5 Connector type: P: header
C : Straight non-cleaning type	6 Contact pitch: 1.27mm
CA : Straight cleaning type	7 Contact type:
3 Product height variation (DSA only)	DS : Right angle type
Blank : Standard product	DSA : Straight type
1 : +1mm	8 L: Board prefixed pin
2 : +2mm	

Note 1. C and CA take complete countermeasures against flux.
Note 2. Cleaning type: the liquid escape hole is added at dip cleaning.
Note 3. No-cleaning type: no liquid escape hole is added at dip cleaning.

Board to Cable Socket

FX2 BA - * S A - 1.27 R

1 2 3 4 5 6 7

1 Series Name : FX2	4 S: Socket
2 B : Lock cable type	5 A: Contact material: phosphor bronze
BA : No lock cable type	6 Contact pitch: 1.27mm
3 Number of contacts: 20, 32, 40, 52, 60, 68, 80, 100	7 R: Insulation displacement

FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

●Board to Cable Header

FX2 **BA** - ***** **P** **A** - **1.27** **DSA** **L**
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series Name : FX2	⑤ None : Contact material: phosphor bronze A : Contact material: brass
② B : Lock straight no cleaning type : Lock right angle type BA : Lock straight cleaning type	⑥ Contact pitch: 1.27mm
③ Number of contacts: 20, 32, 40, 52, 60, 68, 80, 100	⑦ Contact type: DS : Right angle type DSA : Straight type
④ Connector type: P: header	⑧ L: Board prefixed pin

Note 1. Cleaning type: The liquid escape hole is added at dip cleaning.

Note 2. No cleaning type: No liquid escape hole is added at dip cleaning.

Note 3. Straight 20 and 32 contact types use phosphor bronze for contact material.

●Straight SMT Type

FX2 - ***** **P** - **1.27** **SV** **L**
 ① ② ③ ④ ⑤ ⑥

① Series Name :FX2	④ Contact pitch: 1.27mm
② Number of contacts: 20, 32, 40, 52, 60, 68, 80, 100, 120	⑤ Contact type: SV: Straight SMT type
③ Connector type: P: Header S: Receptacle	⑥ L: Board prefixed pin

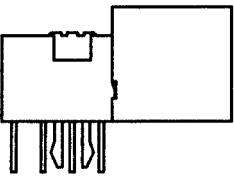
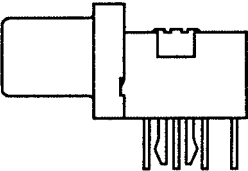
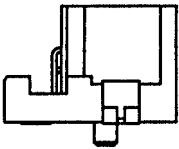
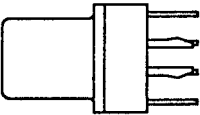
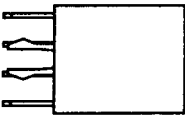
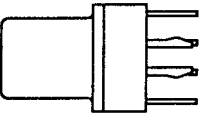
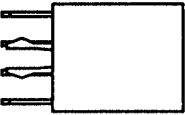
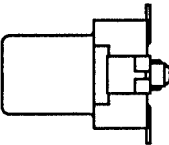
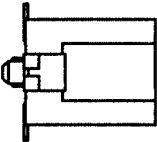
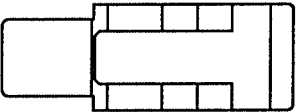
●Header Right Angle SMT Type

FX2 **A** - ***** **P** - **0.635** **SH**
 ① ② ③ ④ ⑤ ⑥

① Series Name :FX2	④ Connector type: P: Header
② Blank: With boss A : Without boss	⑤ Mounting area pitch: 0.635mm
③ Number of contacts: 20, 40, 52, 60, 80	⑥ Contact type SH: Right angle SMT type

◆FX2 Functional Flow Chart

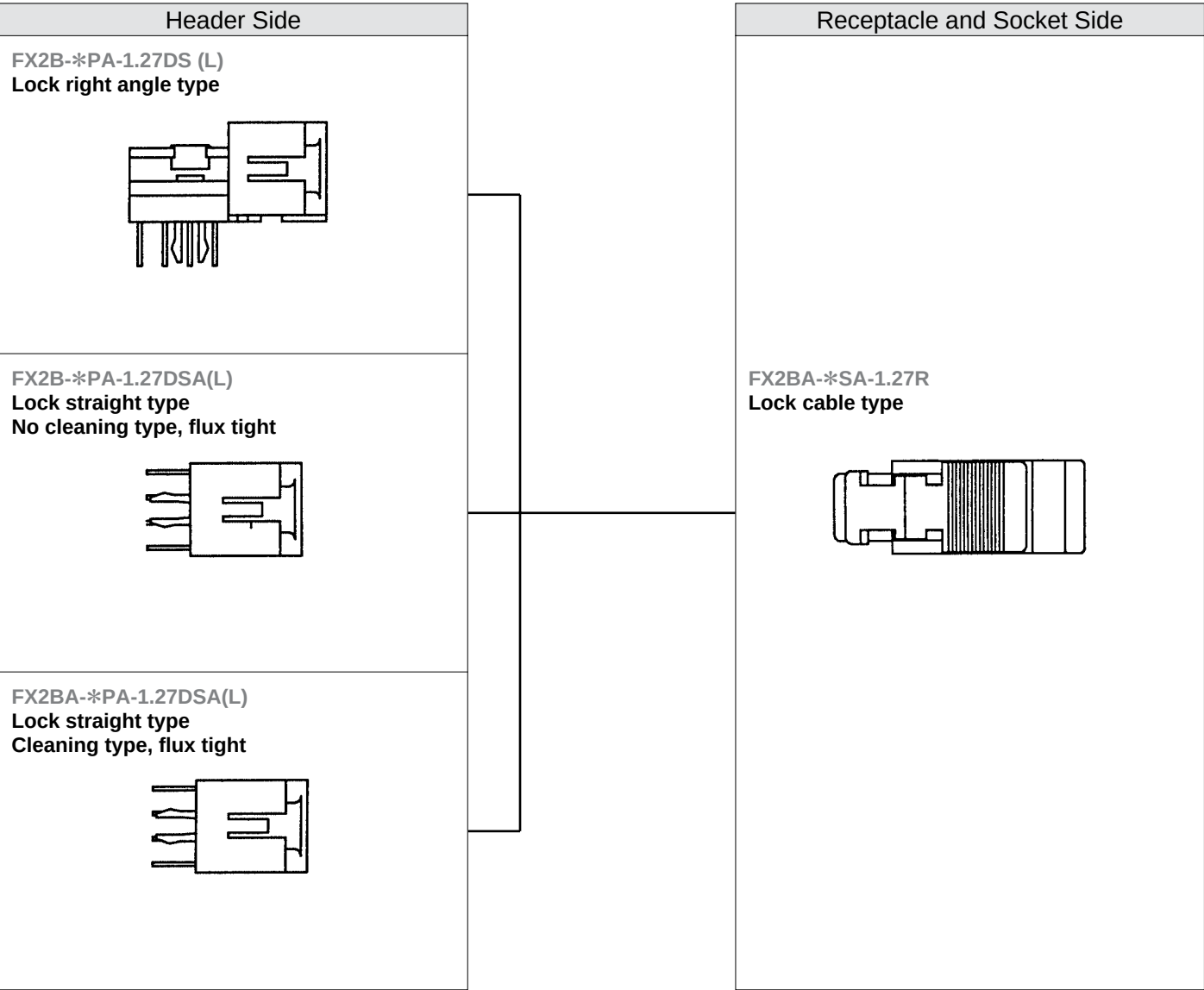
Board to Board Cable Type

Header Side	Receptacle and Socket Side
FX2-*P-1.27DS (L) Right angle type 	FX2-*S-1.27DS (L) Right angle type 
FX2(A)-*P-0.635SH Right angle type SMT type 	FX2C-*S-1.27DS (L) Straight type No cleaning type, flux tight 
FX2C-*P-1.27DSA (L) Straight type No cleaning type, flux tight 	FX2C-*S-1.27DS (L) Straight type Cleaning type, flux tight 
FX2CA-*P-1.27DSA (L) Straight type Cleaning type, flux tight 	FX2CA-*S-1.27DSV (L) Straight type SMT type 
FX2-*P-1.27DSA (L) Straight type SMT type 	FX2BA-*SA-1.27R No lock cable type 

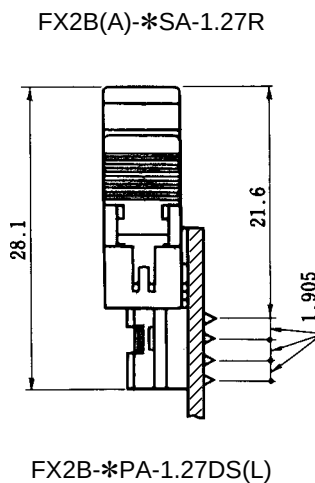
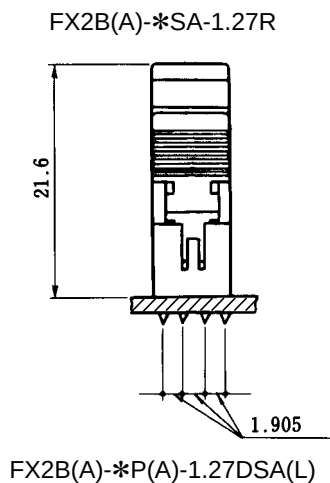
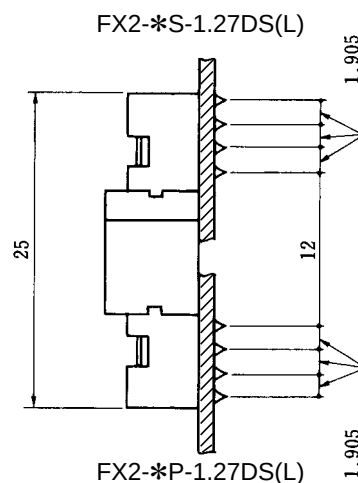
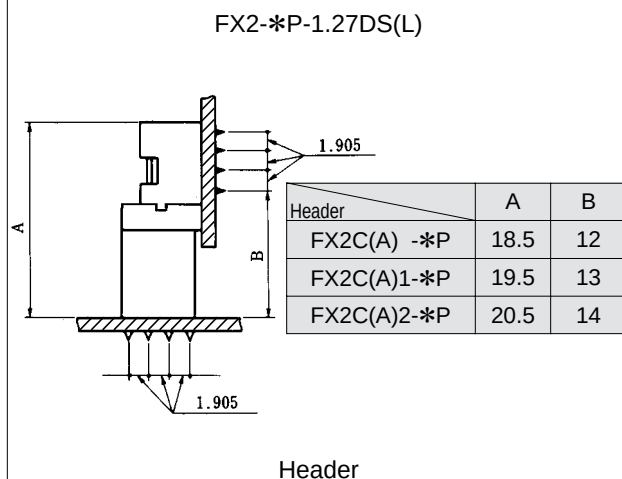
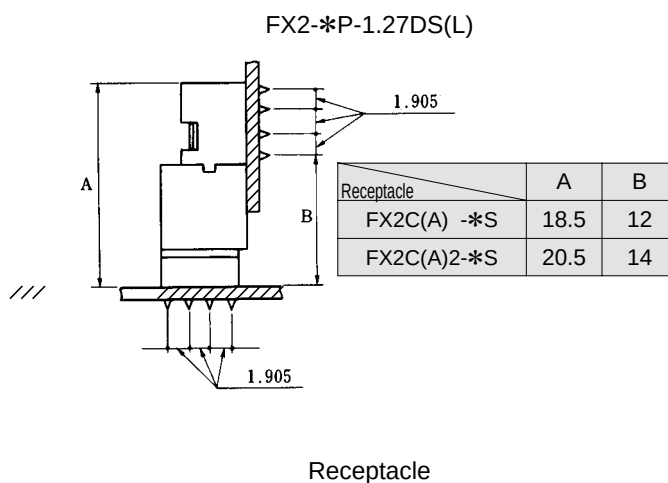
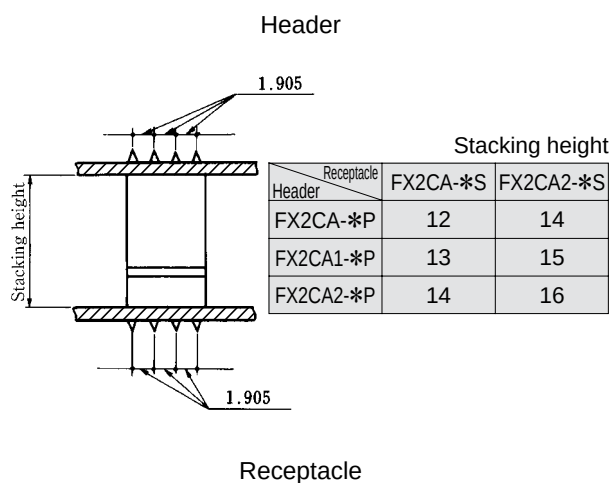
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

◆FX2 Functional Flow Chart

Board to Board Cable Type

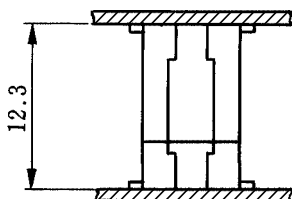


◆ Through hole Type Application Pattern



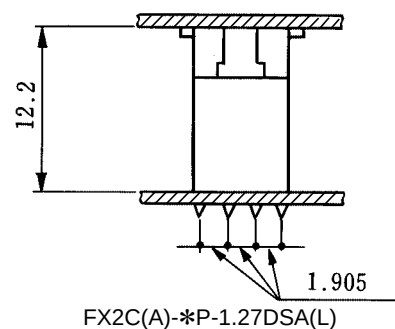
◆ SMT Type Application Pattern

FX2-*P-1.27SV(L)

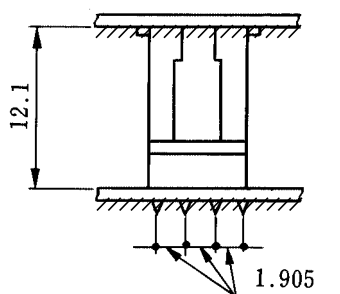


FX2-*S-1.27SV(L)

FX2-*S-1.27SV(L)

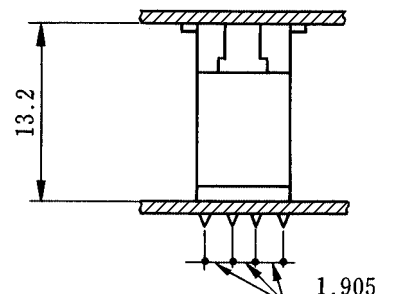


FX2-*P-1.27SV(L)



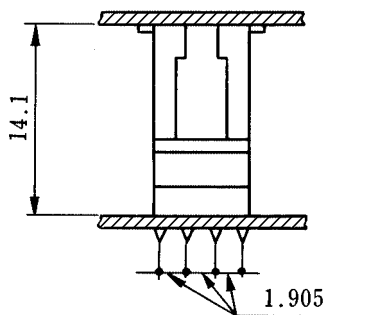
FX2C(A)-*S-1.27-DSA(L)

FX2-*S-1.27SV(L)



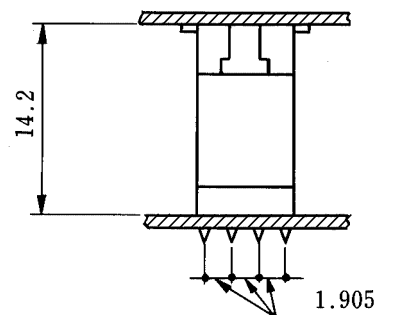
FX2C(A)1-*P-1.27DSA(L)

FX2-*P-1.27SV(L)



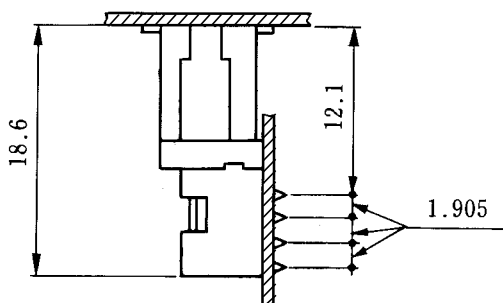
FX2C(A)2-*S-1.27DSA(L)

FX2-*S-1.27SV(L)



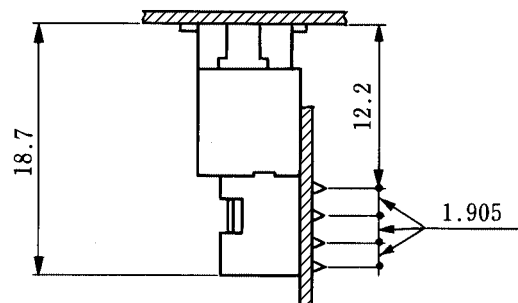
FX2C(A)2-*P-1.27DSA(L)

FX2-*P-1.27SV(L)



FX2-*S-1.27DS(L)

FX2-*S-1.27SV(L)

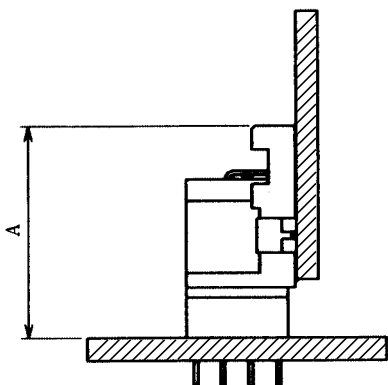


FX2-*P-1.27DS(L)

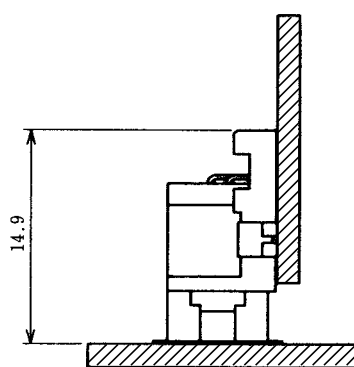
◆ SMT Type Application Pattern

FX2(A)-*P-0.635SH

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



FX2(A)-*P-0.635SH

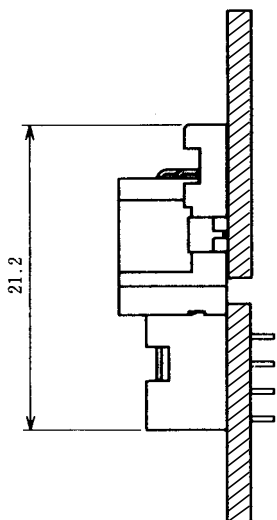


FX2C(A*2)-*S-1.27DSA(L)

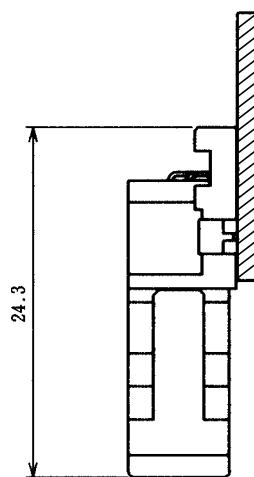
FX2-*S-1.27SV(L)

FX2(A)-*P-0.635SH

FX2(A)-*P-0.635SH



FX2-*S-1.27DS(L)

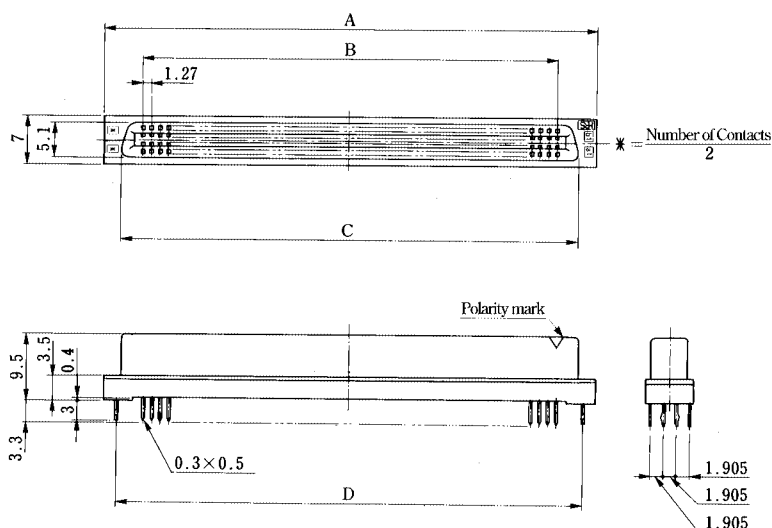
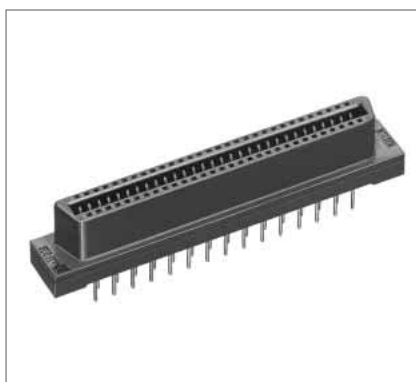


FX2BA-*SA-1.27R

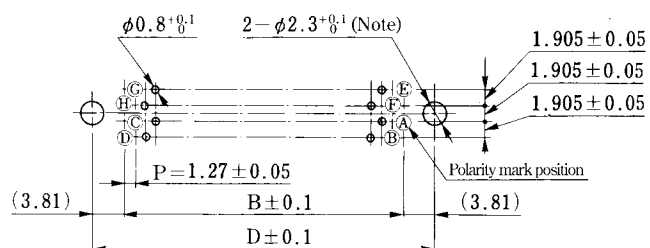
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

■Receptacle No Cleaning Type

●Straight Type



◆PCB mounting pattern



n = Number of Contacts

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

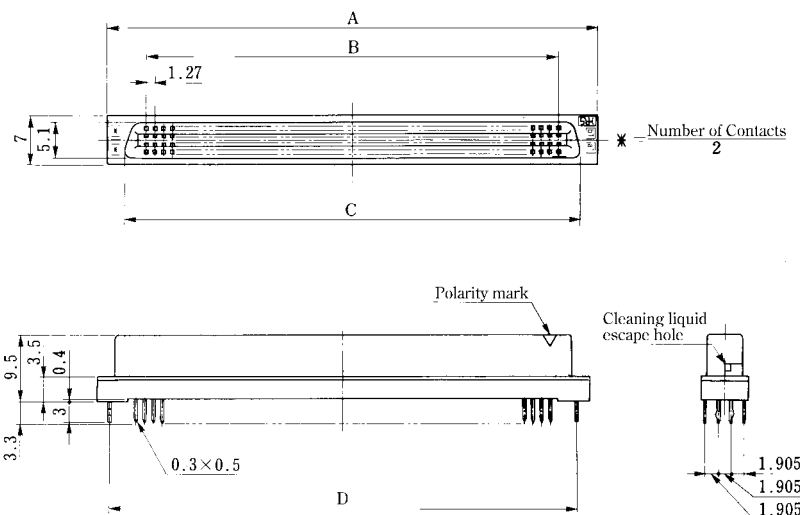
Note: Not required, if no prefixed pin is attached.

Unit:mm

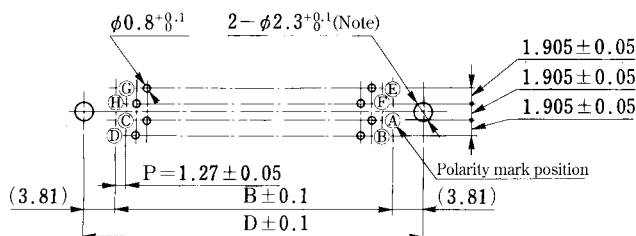
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX2C- 20S-1.27DSA(71)	572-2401-7-71	20	22.75	11.43	17.63	_____	YES
FX2C- 20S-1.27DSAL(71)	572-2451-5-71					19.05	
FX2C- 32S-1.27DSA(71)	572-2402-0-71	32	30.37	19.05	25.25	_____	
FX2C- 32S-1.27DSAL(71)	572-2452-8-71					26.67	
FX2C- 40S-1.27DSA(71)	572-2403-2-71	40	35.45	24.13	30.33	_____	
FX2C- 40S-1.27DSAL(71)	572-2453-0-71					31.75	
FX2C- 52S-1.27DSA(71)	572-2404-5-71	52	43.07	31.75	37.95	_____	
FX2C- 52S-1.27DSAL(71)	572-2454-3-71					39.37	
FX2C- 60S-1.27DSA(71)	572-2405-8-71	60	48.15	36.83	43.03	_____	
FX2C- 60S-1.27DSAL(71)	572-2455-6-71					44.45	
FX2C- 68S-1.27DSA(71)	572-2406-0-71	68	53.23	41.91	48.11	_____	
FX2C- 68S-1.27DSAL(71)	572-2456-9-71					49.53	
FX2C- 80S-1.27DSA(71)	572-2407-3-71	80	60.85	49.53	55.73	_____	
FX2C- 80S-1.27DSAL(71)	572-2457-1-71					57.15	
FX2C-100S-1.27DSA(71)	572-2408-6-71	100	73.55	62.23	68.43	_____	
FX2C-100S-1.27DSAL(71)	572-2458-4-71					69.85	
FX2C-120S-1.27DSA(71)	572-2409-9-71	120	86.25	74.93	81.13	_____	
FX2C-120S-1.27DSAL(71)	572-2459-7-71					82.55	

■Receptacle Cleaning Type

●Straight Type



◆PCB mounting pattern



n=Number of Contacts

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

Note: Not required, if no prefixed pin is attached.

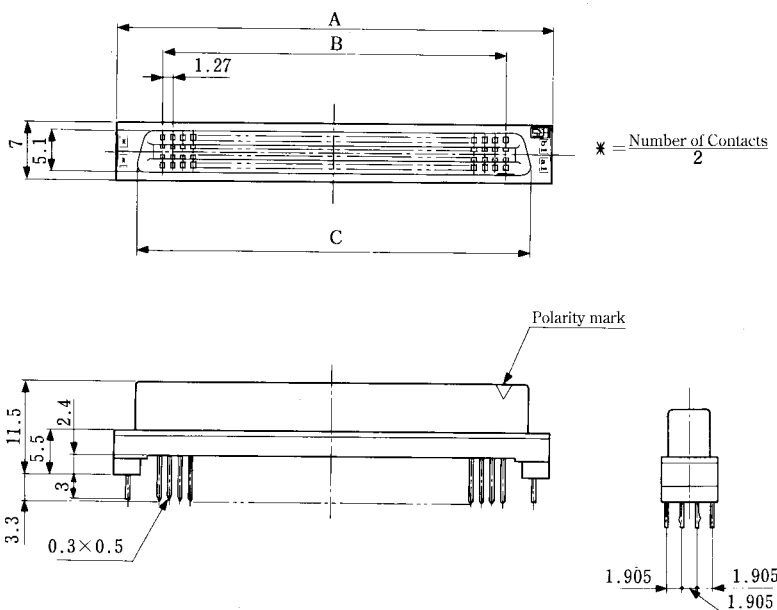
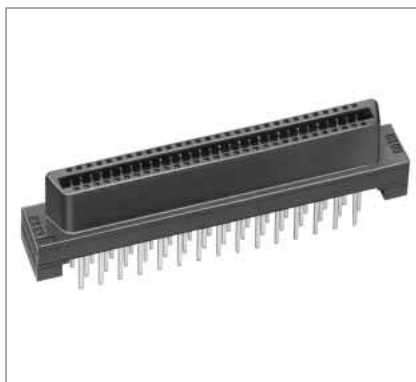
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX2CA- 20S-1.27DSA(71)	572-2501-1-71	20	22.75	11.43	17.63	_____	YES
FX2CA- 20S-1.27DSAL(71)	572-2551-0-71					19.05	
FX2CA- 32S-1.27DSA(71)	572-2502-4-71	32	30.37	19.05	25.25	_____	
FX2CA- 32S-1.27DSAL(71)	572-2552-2-71					26.67	
FX2CA- 40S-1.27DSA(71)	572-2503-7-71	40	35.45	24.13	30.33	_____	
FX2CA- 40S-1.27DSAL(71)	572-2553-5-71					31.75	
FX2CA- 52S-1.27DSA(71)	572-2504-0-71	52	43.07	31.75	37.95	_____	
FX2CA- 52S-1.27DSAL(71)	572-2554-8-71					39.37	
FX2CA- 60S-1.27DSA(71)	572-2505-2-71	60	48.15	36.83	43.03	_____	
FX2CA- 60S-1.27DSAL(71)	572-2555-0-71					44.45	
FX2CA- 68S-1.27DSA(71)	572-2506-5-71	68	53.23	41.91	48.11	_____	
FX2CA- 68S-1.27DSAL(71)	572-2556-3-71					49.53	
FX2CA- 80S-1.27DSA(71)	572-2507-8-71	80	60.85	49.53	55.73	_____	
FX2CA- 80S-1.27DSAL(71)	572-2557-6-71					57.15	
FX2CA-100S-1.27DSA(71)	572-2508-0-71	100	73.55	62.23	68.43	_____	
FX2CA-100S-1.27DSAL(71)	572-2558-9-71					69.85	
FX2CA-120S-1.27DSA(71)	572-2509-3-71	120	86.25	74.93	81.13	_____	
FX2CA-120S-1.27DSAL(71)	572-2559-1-71					82.55	

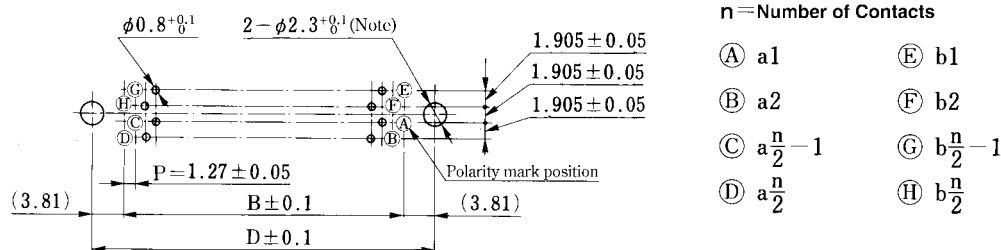
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

■Receptacle No Cleaning Type

●Straight Type



◆PCB mounting pattern



n = Number of Contacts

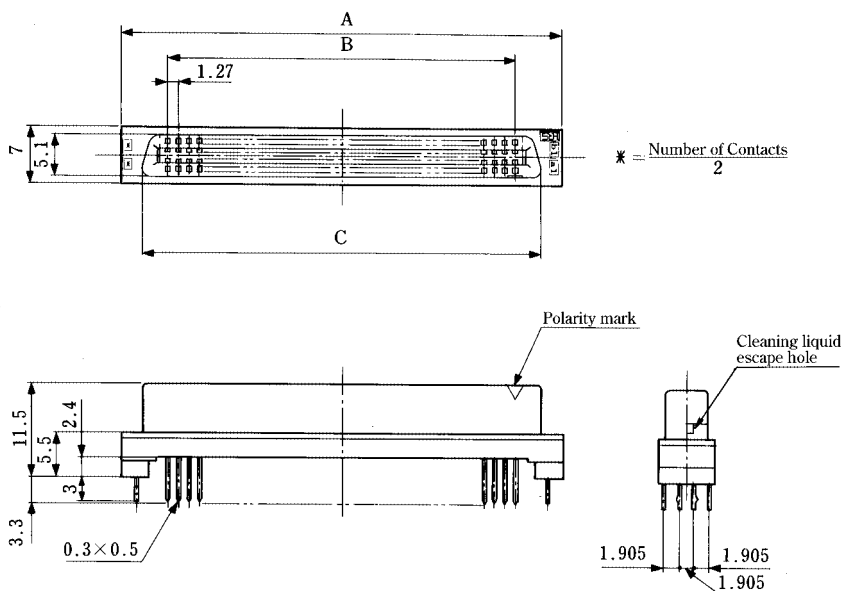
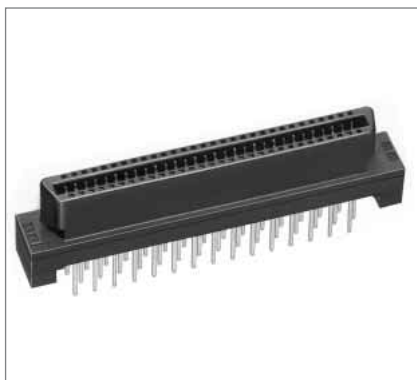
- | | |
|--------------------|--------------------|
| Ⓐ a1 | Ⓔ b1 |
| Ⓑ a2 | Ⓕ b2 |
| Ⓒ $a\frac{n}{2}-1$ | Ⓖ $b\frac{n}{2}-1$ |
| Ⓓ $a\frac{n}{2}$ | Ⓗ $b\frac{n}{2}$ |

Unit:mm

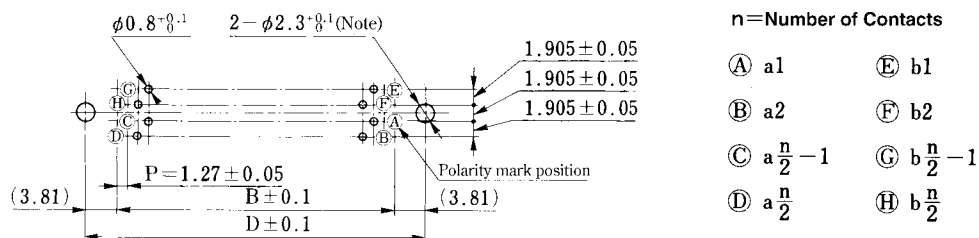
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX2C2- 20S-1.27DSA(71)	572-2421-4-71	20	22.75	11.43	17.63	_____	YES
FX2C2- 20S-1.27DSAL(71)	572-2471-2-71					19.05	
FX2C2- 32S-1.27DSA(71)	572-2422-7-71	32	30.37	19.05	25.25	_____	
FX2C2- 32S-1.27DSAL(71)	572-2472-5-71					26.67	
FX2C2- 40S-1.27DSA(71)	572-2423-0-71	40	35.45	24.13	30.33	_____	
FX2C2- 40S-1.27DSAL(71)	572-2473-8-71					31.75	
FX2C2- 52S-1.27DSA(71)	572-2424-2-71	52	43.07	31.75	37.95	_____	
FX2C2- 52S-1.27DSAL(71)	572-2474-0-71					39.37	
FX2C2- 60S-1.27DSA(71)	572-2425-5-71	60	48.15	36.83	43.03	_____	
FX2C2- 60S-1.27DSAL(71)	572-2475-3-71					44.45	
FX2C2- 68S-1.27DSA(71)	572-2426-8-71	68	53.23	41.91	48.11	_____	
FX2C2- 68S-1.27DSAL(71)	572-2476-6-71					49.53	
FX2C2- 80S-1.27DSA(71)	572-2427-0-71	80	60.85	49.53	55.73	_____	
FX2C2- 80S-1.27DSAL(71)	572-2477-9-71					57.15	
FX2C2-100S-1.27DSA(71)	572-2428-3-71	100	73.55	62.23	68.43	_____	
FX2C2-100S-1.27DSAL(71)	572-2478-1-71					69.85	
FX2C2-120S-1.27DSA(71)	572-2429-6-71	120	86.25	74.93	81.13	_____	
FX2C2-120S-1.27DSAL(71)	572-2479-4-71					82.55	

■Receptacle Cleaning Type

●Straight Type



◆PCB mounting pattern



Note: Not required, if no prefixed pin is attached.

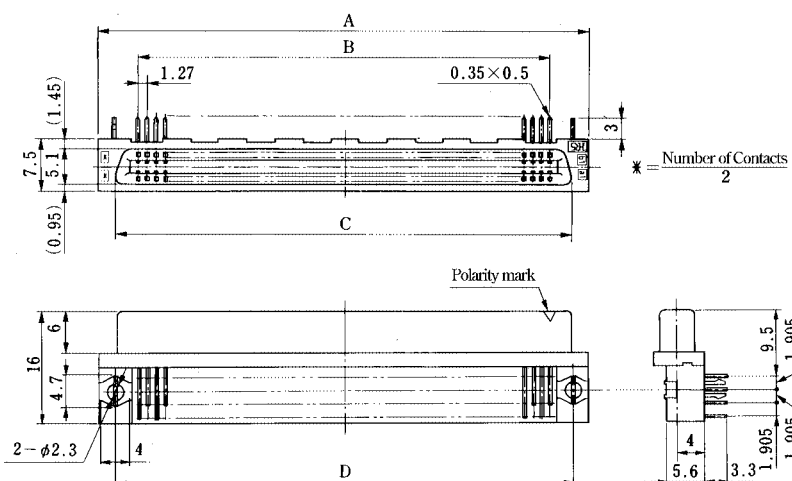
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX2CA2- 20S-1.27DSA(71)	572-2521-9-71	20	22.75	11.43	17.63	_____	YES
FX2CA2- 20S-1.27DSAL(71)	572-2571-7-71					19.05	
FX2CA2- 32S-1.27DSA(71)	572-2522-1-71	32	30.37	19.05	25.25	_____	
FX2CA2- 32S-1.27DSAL(71)	572-2572-0-71					26.67	
FX2CA2- 40S-1.27DSA(71)	572-2523-4-71	40	35.45	24.13	30.33	_____	
FX2CA2- 40S-1.27DSAL(71)	572-2573-2-71					31.75	
FX2CA2- 52S-1.27DSA(71)	572-2524-7-71	52	43.07	31.75	37.95	_____	
FX2CA2- 52S-1.27DSAL(71)	572-2574-5-71					39.37	
FX2CA2- 60S-1.27DSA(71)	572-2525-0-71	60	48.15	36.83	43.03	_____	
FX2CA2- 60S-1.27DSAL(71)	572-2575-8-71					44.45	
FX2CA2- 68S-1.27DSA(71)	572-2526-2-71	68	53.23	41.91	48.11	_____	
FX2CA2- 68S-1.27DSAL(71)	572-2576-0-71					49.53	
FX2CA2- 80S-1.27DSA(71)	572-2527-5-71	80	60.85	49.53	55.73	_____	
FX2CA2- 80S-1.27DSAL(71)	572-2577-3-71					57.15	
FX2CA2-100S-1.27DSA(71)	572-2528-8-71	100	73.55	62.23	68.43	_____	
FX2CA2-100S-1.27DSAL(71)	572-2578-6-71					69.85	
FX2CA2-120S-1.27DSA(71)	572-2529-0-71	120	86.25	74.93	81.13	_____	
FX2CA2-120S-1.27DSAL(71)	572-2579-9-71					82.55	

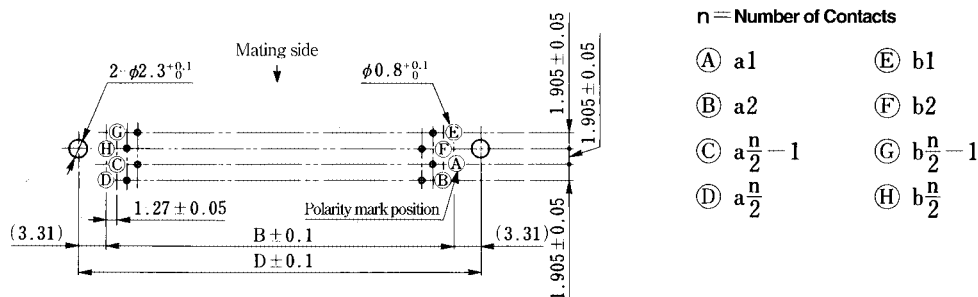
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

■Receptacle

●Right Angle Type



◆PCB mounting pattern

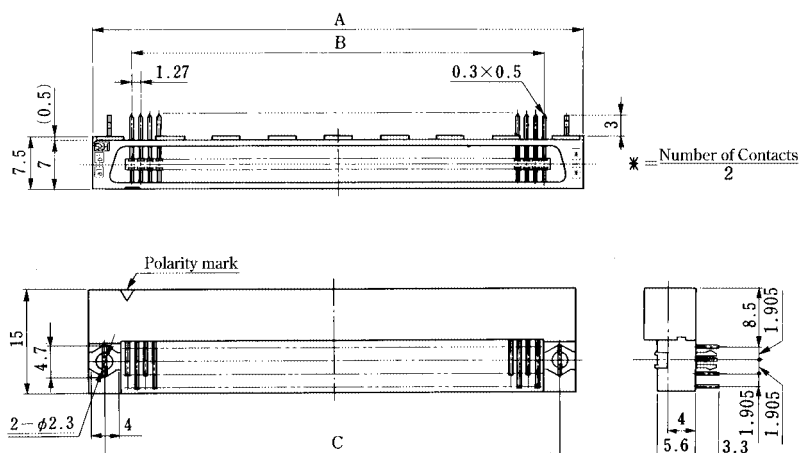
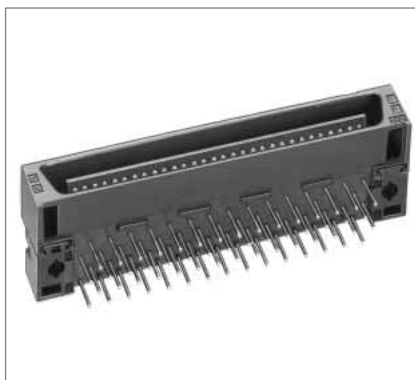


Unit:mm

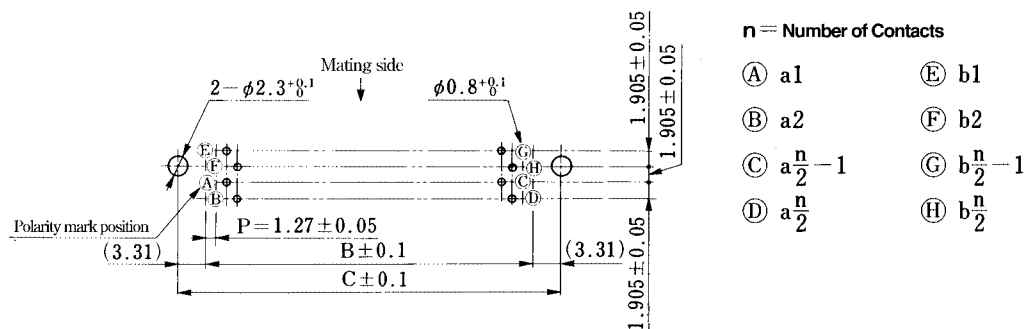
Part Number	CL No.	Number of Contacts	A	B	C	D	D
FX2- 20S-1.27DS(71)	572-2701-0-71	20	22.75	11.43	17.63	18.05	YES
FX2- 20S-1.27DSL(71)	572-2751-9-71						
FX2- 32S-1.27DS(71)	572-2702-3-71	32	30.37	19.05	25.25	25.67	
FX2- 32S-1.27DSL(71)	572-2752-1-71						
FX2- 40S-1.27DS(71)	572-2703-6-71	40	35.45	24.13	30.33	30.75	
FX2- 40S-1.27DSL(71)	572-2753-4-71						
FX2- 52S-1.27DS(71)	572-2704-9-71	52	43.07	31.75	37.95	38.37	
FX2- 52S-1.27DSL(71)	572-2754-7-71						
FX2- 60S-1.27DS(71)	572-2705-1-71	60	48.15	36.83	43.03	43.45	
FX2- 60S-1.27DSL(71)	572-2755-0-71						
FX2- 68S-1.27DS(71)	572-2706-4-71	68	53.23	41.91	48.11	48.53	
FX2- 68S-1.27DSL(71)	572-2756-2-71						
FX2- 80S-1.27DS(71)	572-2707-7-71	80	60.85	49.53	55.73	56.15	
FX2- 80S-1.27DSL(71)	572-2757-5-71						
FX2-100S-1.27DS(71)	572-2708-0-71	100	73.55	62.23	68.43	68.85	
FX2-100S-1.27DSL(71)	572-2758-8-71						
FX2-120S-1.27DS(71)	572-2709-2-71	120	86.25	74.93	81.13	81.55	
FX2-120S-1.27DSL(71)	572-2759-0-71						

Header

Right Angle Type



PCB mounting pattern



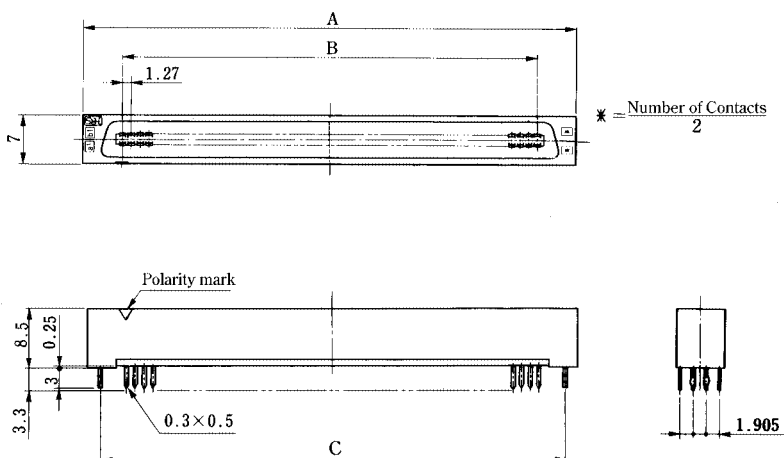
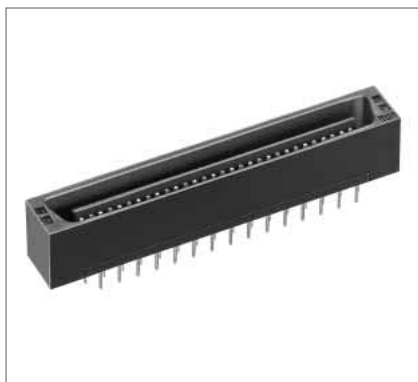
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2- 20P-1.27DS(71)	572-2601-6-71	20	22.75	11.43	18.05	YES
FX2- 20P-1.27DSL(71)	572-2651-4-71					
FX2- 32P-1.27DS(71)	572-2602-9-71	32	30.37	19.05	25.67	
FX2- 32P-1.27DSL(71)	572-2652-7-71					
FX2- 40P-1.27DS(71)	572-2603-1-71	40	35.45	24.13	30.75	
FX2- 40P-1.27DSL(71)	572-2653-0-71					
FX2- 52P-1.27DS(71)	572-2604-4-71	52	43.07	31.75	38.37	
FX2- 52P-1.27DSL(71)	572-2654-2-71					
FX2- 60P-1.27DS(71)	572-2605-7-71	60	48.15	36.83	43.45	
FX2- 60P-1.27DSL(71)	572-2655-5-71					
FX2- 68P-1.27DS(71)	572-2606-0-71	68	53.23	41.91	48.53	
FX2- 68P-1.27DSL(71)	572-2656-8-71					
FX2- 80P-1.27DS(71)	572-2607-2-71	80	60.85	49.53	56.15	
FX2- 80P-1.27DSL(71)	572-2657-0-71					
FX2-100P-1.27DS(71)	572-2608-5-71	100	73.55	62.23	68.85	
FX2-100P-1.27DSL(71)	572-2658-3-71					
FX2-120P-1.27DS(71)	572-2609-8-71	120	86.25	74.93	81.55	
FX2-120P-1.27DSL(71)	572-2659-6-71					

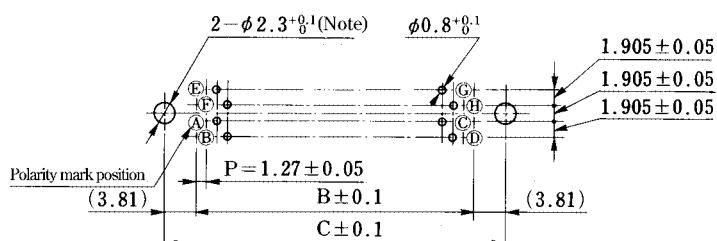
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

Header No Cleaning Type

●Straight Type



PCB mounting pattern



n = Number of Contacts

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

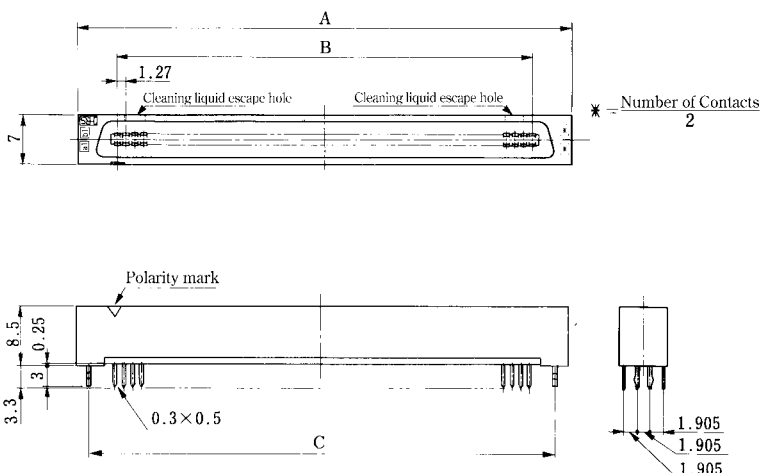
Note: Not required, if no prefixed pin is attached.

Unit:mm

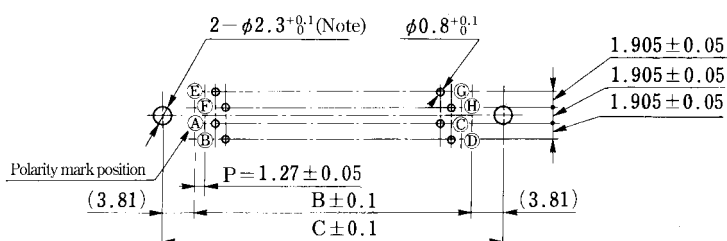
Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2C- 20P-1.27DSA(71)	572-2201-8-71	20	22.75	11.43	_____	YES
FX2C- 20P-1.27DSAL(71)	572-2251-6-71				19.05	
FX2C- 32P-1.27DSA(71)	572-2202-0-71	32	30.37	19.05	_____	
FX2C- 32P-1.27DSAL(71)	572-2252-9-71				26.67	
FX2C- 40P-1.27DSA(71)	572-2203-3-71	40	35.45	24.13	_____	
FX2C- 40P-1.27DSAL(71)	572-2253-1-71				31.75	
FX2C- 52P-1.27DSA(71)	572-2204-6-71	52	43.07	31.75	_____	
FX2C- 52P-1.27DSAL(71)	572-2254-4-71				39.37	
FX2C- 60P-1.27DSA(71)	572-2205-9-71	60	48.15	36.83	_____	
FX2C- 60P-1.27DSAL(71)	572-2255-7-71				44.45	
FX2C- 68P-1.27DSA(71)	572-2206-1-71	68	53.23	41.91	_____	
FX2C- 68P-1.27DSAL(71)	572-2256-0-71				49.53	
FX2C- 80P-1.27DSA(71)	572-2207-4-71	80	60.85	49.53	_____	
FX2C- 80P-1.27DSAL(71)	572-2257-2-71				57.15	
FX2C-100P-1.27DSA(71)	572-2208-7-71	100	73.55	62.23	_____	
FX2C-100P-1.27DSAL(71)	572-2258-5-71				69.85	
FX2C-120P-1.27DSA(71)	572-2209-0-71	120	86.25	74.93	_____	
FX2C-120P-1.27DSAL(71)	572-2259-8-71				82.55	

Header Cleaning Type

●Straight Type



PCB mounting pattern



Note: Not required, if no prefixed pin is attached.

n = Number of Contacts

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

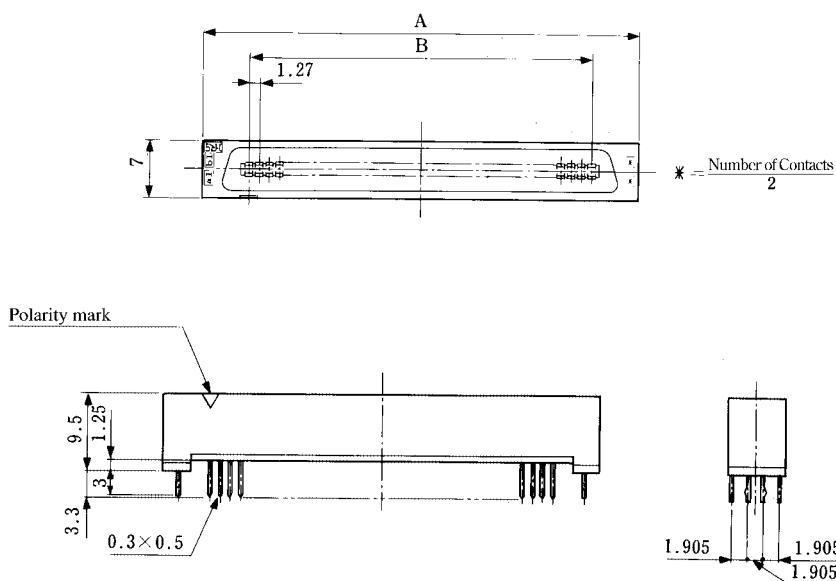
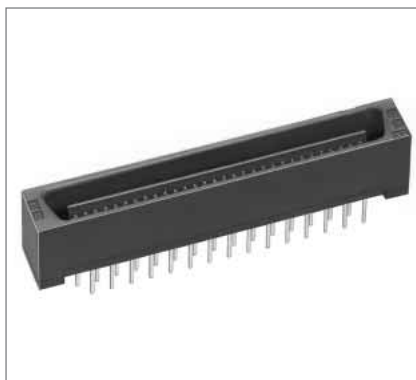
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2CA- 20P-1.27DSA(71)	572-2301-2-71	20	22.75	11.43	—	YES
FX2CA- 20P-1.27DSAL(71)	572-2351-0-71				19.05	
FX2CA- 32P-1.27DSA(71)	572-2302-5-71	32	30.37	19.05	—	
FX2CA- 32P-1.27DSAL(71)	572-2352-3-71				26.67	
FX2CA- 40P-1.27DSA(71)	572-2303-8-71	40	35.45	24.13	—	
FX2CA- 40P-1.27DSAL(71)	572-2353-6-71				31.75	
FX2CA- 52P-1.27DSA(71)	572-2304-0-71	52	43.07	31.75	—	
FX2CA- 52P-1.27DSAL(71)	572-2354-9-71				39.37	
FX2CA- 60P-1.27DSA(71)	572-2305-3-71	60	48.15	36.83	—	
FX2CA- 60P-1.27DSAL(71)	572-2355-1-71				44.45	
FX2CA- 68P-1.27DSA(71)	572-2306-6-71	68	53.23	41.91	—	
FX2CA- 68P-1.27DSAL(71)	572-2356-4-71				49.53	
FX2CA- 80P-1.27DSA(71)	572-2307-9-71	80	60.85	49.53	—	
FX2CA- 80P-1.27DSAL(71)	572-2357-7-71				57.15	
FX2CA-100P-1.27DSA(71)	572-2308-1-71	100	73.55	62.23	—	
FX2CA-100P-1.27DSAL(71)	572-2358-0-71				69.85	
FX2CA-120P-1.27DSA(71)	572-2309-4-71	120	86.25	74.93	—	
FX2CA-120P-1.27DSAL(71)	572-2359-2-71				82.55	

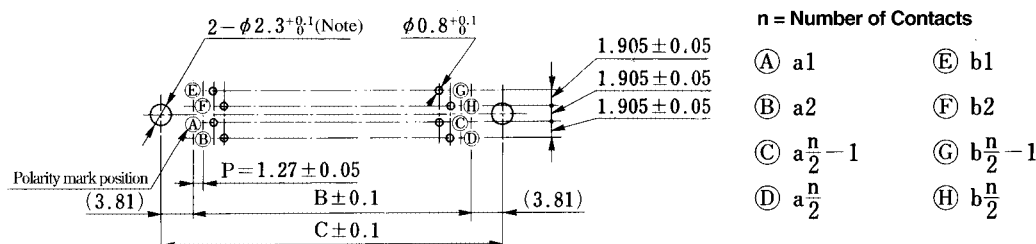
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

Header No Cleaning Type

●Straight Type



PCB mounting pattern



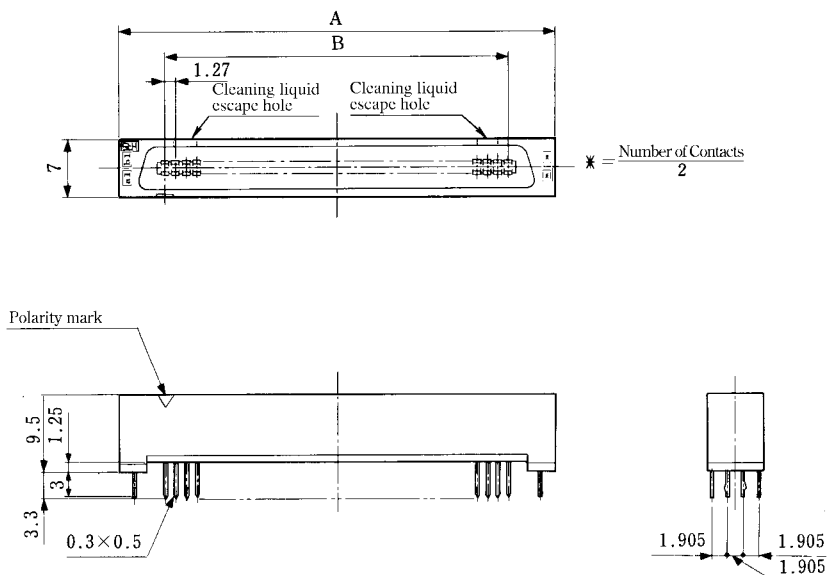
Note: Not required, if no prefixed pin is attached.

Unit: mm

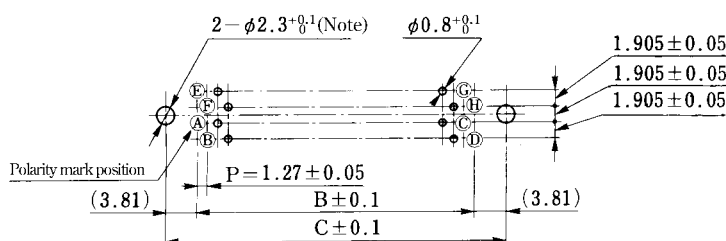
Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2C1- 20P-1.27DSA(71)	572-2211-1-71	20	22.75	11.43	—	YES
FX2C1- 20P-1.27DSAL(71)	572-2261-0-71				19.05	
FX2C1- 32P-1.27DSA(71)	572-2212-4-71	32	30.37	19.05	—	
FX2C1- 32P-1.27DSAL(71)	572-2262-2-71				26.67	
FX2C1- 40P-1.27DSA(71)	572-2213-7-71	40	35.45	24.13	—	
FX2C1- 40P-1.27DSAL(71)	572-2263-5-71				31.75	
FX2C1- 52P-1.27DSA(71)	572-2214-0-71	52	43.07	31.75	—	
FX2C1- 52P-1.27DSAL(71)	572-2264-8-71				39.37	
FX2C1- 60P-1.27DSA(71)	572-2215-2-71	60	48.15	36.83	—	
FX2C1- 60P-1.27DSAL(71)	572-2265-0-71				44.45	
FX2C1- 68P-1.27DSA(71)	572-2216-5-71	68	53.23	41.91	—	
FX2C1- 68P-1.27DSAL(71)	572-2266-3-71				49.53	
FX2C1- 80P-1.27DSA(71)	572-2217-8-71	80	60.85	49.53	—	
FX2C1- 80P-1.27DSAL(71)	572-2267-6-71				57.15	
FX2C1-100P-1.27DSA(71)	572-2218-0-71	100	73.55	62.23	—	
FX2C1-100P-1.27DSAL(71)	572-2268-9-71				69.85	
FX2C1-120P-1.27DSA(71)	572-2219-3-71	120	86.25	74.93	—	
FX2C1-120P-1.27DSAL(71)	572-2269-1-71				82.55	

Header Cleaning Type

●Straight Type



PCB mounting pattern



n = Number of Contacts

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

Note: Not required, if no prefixed pin is attached.

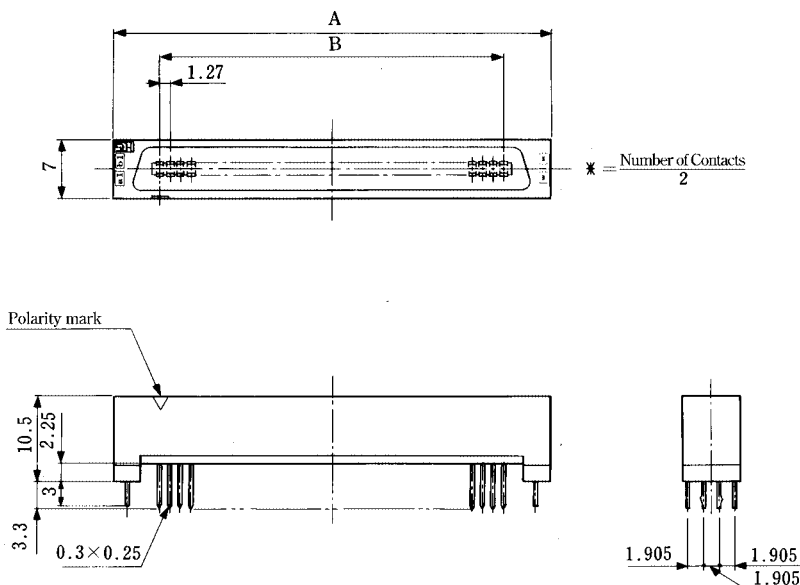
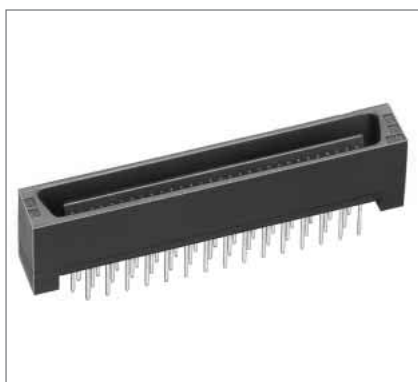
Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2CA1- 20P-1.27DSA(71)	572-2311-6-71	20	22.75	11.43	—	YES
FX2CA1- 20P-1.27DSAL(71)	572-2361-4-71				19.05	
FX2CA1- 32P-1.27DSA(71)	572-2312-9-71	32	30.37	19.05	—	
FX2CA1- 32P-1.27DSAL(71)	572-2362-7-71				26.67	
FX2CA1- 40P-1.27DSA(71)	572-2313-1-71	40	35.45	24.13	—	
FX2CA1- 40P-1.27DSAL(71)	572-2363-0-71				31.75	
FX2CA1- 52P-1.27DSA(71)	572-2314-4-71	52	43.07	31.75	—	
FX2CA1- 52P-1.27DSAL(71)	572-2364-2-71				39.37	
FX2CA1- 60P-1.27DSA(71)	572-2315-7-71	60	48.15	36.83	—	
FX2CA1- 60P-1.27DSAL(71)	572-2365-5-71				44.45	
FX2CA1- 68P-1.27DSA(71)	572-2316-0-71	68	53.23	41.91	—	
FX2CA1- 68P-1.27DSAL(71)	572-2366-8-71				49.53	
FX2CA1- 80P-1.27DSA(71)	572-2317-2-71	80	60.85	49.53	—	
FX2CA1- 80P-1.27DSAL(71)	572-2367-0-71				57.15	
FX2CA1-100P-1.27DSA(71)	572-2318-5-71	100	73.55	62.23	—	
FX2CA1-100P-1.27DSAL(71)	572-2368-3-71				69.85	
FX2CA1-120P-1.27DSA(71)	572-2319-8-71	120	86.25	74.93	—	
FX2CA1-120P-1.27DSAL(71)	572-2369-6-71				82.55	

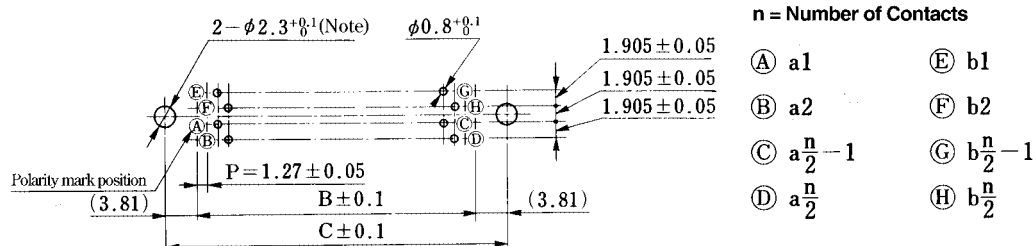
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

Header No Cleaning Type

●Straight Type



PCB mounting pattern



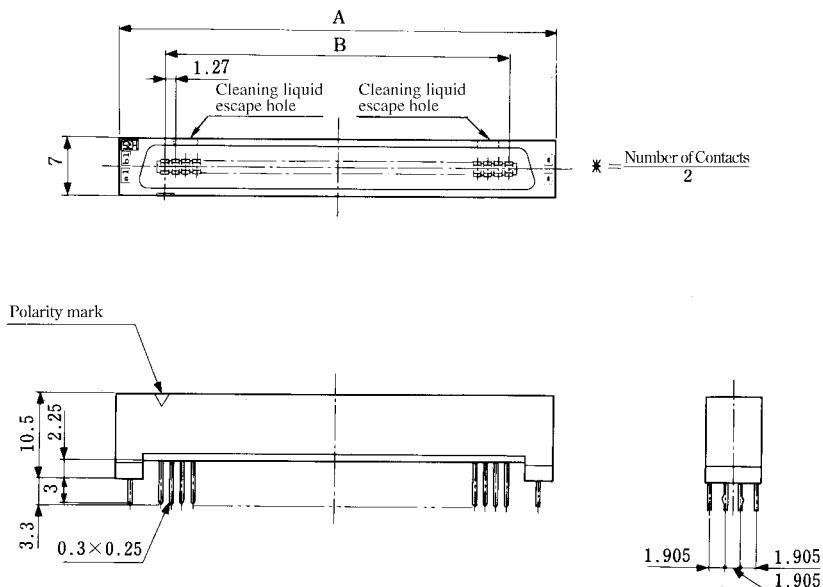
Note: Not required, if no prefixed pin is attached.

Unit: mm

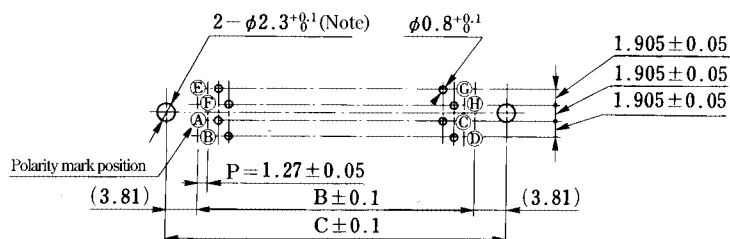
Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2C2- 20P-1.27DSA(71)	572-2221-5-71	20	22.75	11.43	—	YES
FX2C2- 20P-1.27DSAL(71)	572-2271-3-71				19.05	
FX2C2- 32P-1.27DSA(71)	572-2222-8-71	32	30.37	19.05	—	
FX2C2- 32P-1.27DSAL(71)	572-2272-6-71				26.67	
FX2C2- 40P-1.27DSA(71)	572-2223-0-71	40	35.45	24.13	—	
FX2C2- 40P-1.27DSAL(71)	572-2273-9-71				31.75	
FX2C2- 52P-1.27DSA(71)	572-2224-3-71	52	43.07	31.75	—	
FX2C2- 52P-1.27DSAL(71)	572-2274-1-71				39.37	
FX2C2- 60P-1.27DSA(71)	572-2225-6-71	60	48.15	36.83	—	
FX2C2- 60P-1.27DSAL(71)	572-2275-4-71				44.45	
FX2C2- 68P-1.27DSA(71)	572-2226-9-71	68	53.23	41.91	—	
FX2C2- 68P-1.27DSAL(71)	572-2276-7-71				49.53	
FX2C2- 80P-1.27DSA(71)	572-2227-1-71	80	60.85	49.53	—	
FX2C2- 80P-1.27DSAL(71)	572-2277-0-71				57.15	
FX2C2-100P-1.27DSA(71)	572-2228-4-71	100	73.55	62.23	—	
FX2C2-100P-1.27DSAL(71)	572-2278-2-71				69.85	
FX2C2-120P-1.27DSA(71)	572-2229-7-71	120	86.25	74.93	—	
FX2C2-120P-1.27DSAL(71)	572-2279-5-71				82.55	

Header Cleaning Type

●Straight Type



PCB mounting pattern



n = Number of Contacts

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

Note: Not required, if no prefixed pin is attached.

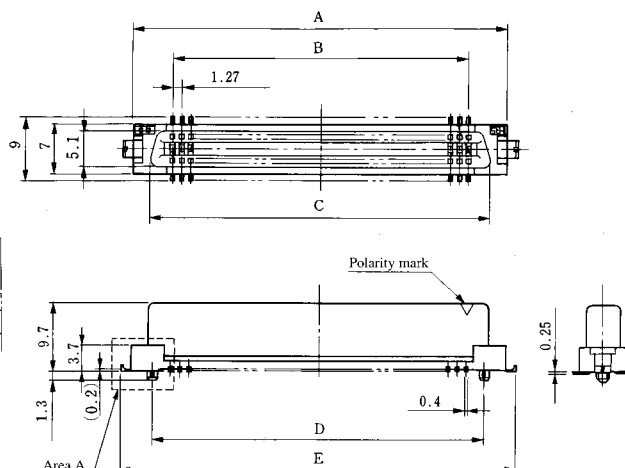
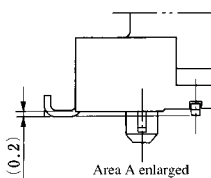
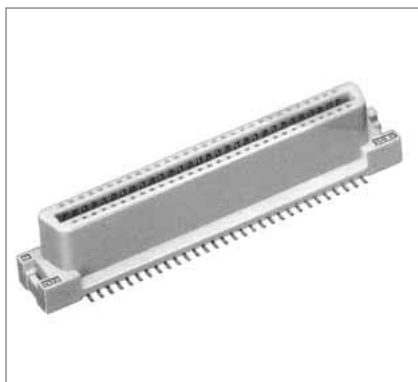
Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2CA2- 20P-1.27DSA(71)	572-2321-0-71	20	22.75	11.43	—	YES
FX2CA2- 20P-1.27DSAL(71)	572-2371-8-71				19.05	
FX2CA2- 32P-1.27DSA(71)	572-2322-2-71	32	30.37	19.05	—	
FX2CA2- 32P-1.27DSAL(71)	572-2372-0-71				26.67	
FX2CA2- 40P-1.27DSA(71)	572-2323-5-71	40	35.45	24.13	—	
FX2CA2- 40P-1.27DSAL(71)	572-2373-3-71				31.75	
FX2CA2- 52P-1.27DSA(71)	572-2324-8-71	52	43.07	31.75	—	
FX2CA2- 52P-1.27DSAL(71)	572-2374-6-71				39.37	
FX2CA2- 60P-1.27DSA(71)	572-2325-0-71	60	48.15	36.83	—	
FX2CA2- 60P-1.27DSAL(71)	572-2375-9-71				44.45	
FX2CA2- 68P-1.27DSA(71)	572-2326-3-71	68	53.23	41.91	—	
FX2CA2- 68P-1.27DSAL(71)	572-2376-1-71				49.53	
FX2CA2- 80P-1.27DSA(71)	572-2327-6-71	80	60.85	49.53	—	
FX2CA2- 80P-1.27DSAL(71)	572-2377-4-71				57.15	
FX2CA2-100P-1.27DSA(71)	572-2328-9-71	100	73.55	62.23	—	
FX2CA2-100P-1.27DSAL(71)	572-2378-7-71				69.85	
FX2CA2-120P-1.27DSA(71)	572-2329-1-71	120	86.25	74.93	—	
FX2CA2-120P-1.27DSAL(71)	572-2379-0-71				82.55	

FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

■Receptacle SMT Type

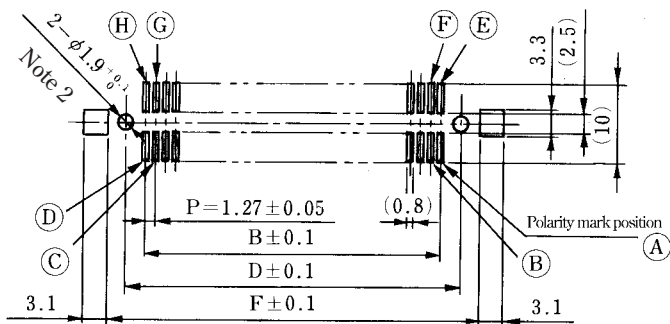
●Straight Type



Note 1 : The 120 contacts type differs in the style.

Note 2 : The connector positioning bosses are constructed to press fit into the board with light force. When mounting on the board, press the connector lightly from the top and check that the positioning bosses are securely inserted in the board holes and that the connector leads are engaged in the board. The recommended boss hole for use with automatic mounting is illustrated in fig. 1.

◆PCB mounting pattern



n = Number of Contacts

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

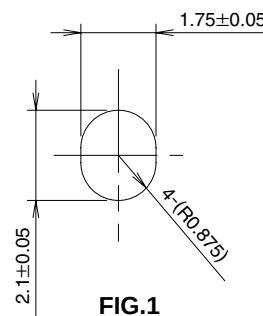


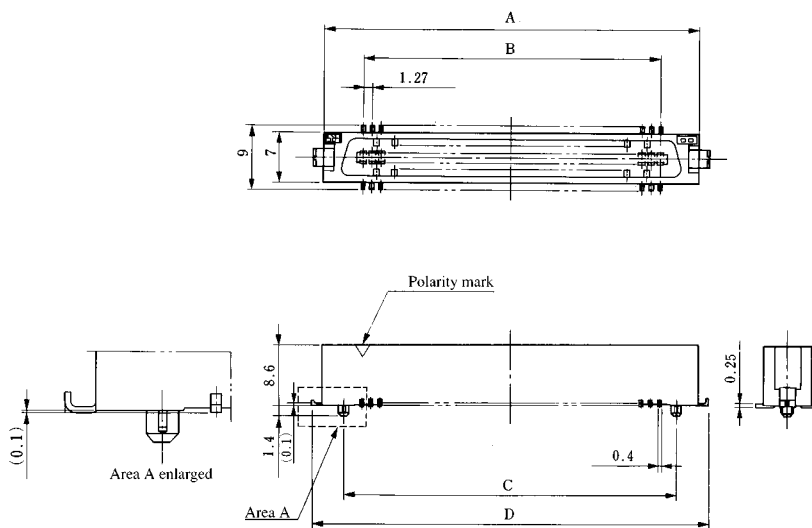
FIG.1

Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	RoHS
FX2- 20S-1.27SV(71)	572-2101-3-71	20	22.75	11.43	17.63	16.51	—	—	YES
FX2- 20S-1.27SVL(71)	572-2151-1-71						25.75	21.15	
FX2- 32S-1.27SV(71)	572-2102-6-71	32	30.37	19.05	25.25	24.13	—	—	
FX2- 32S-1.27SVL(71)	572-2152-4-71						33.37	28.77	
FX2- 40S-1.27SV(71)	572-2103-9-71	40	35.45	24.13	30.33	29.21	—	—	
FX2- 40S-1.27SVL(71)	572-2153-7-71						38.45	33.85	
FX2- 52S-1.27SV(71)	572-2104-1-71	52	43.07	31.75	37.95	36.83	—	—	
FX2- 52S-1.27SVL(71)	572-2154-0-71						46.07	41.47	
FX2- 60S-1.27SV(71)	572-2105-4-71	60	48.15	36.83	43.03	41.91	—	—	
FX2- 60S-1.27SVL(71)	572-2155-2-71						51.15	46.55	
FX2- 68S-1.27SV(71)	572-2106-7-71	68	53.23	41.91	48.11	46.99	—	—	
FX2- 68S-1.27SVL(71)	572-2156-5-71						56.23	51.63	
FX2- 80S-1.27SV(71)	572-2107-0-71	80	60.85	49.53	55.73	54.61	—	—	
FX2- 80S-1.27SVL(71)	572-2157-8-71						63.85	59.25	
FX2-100S-1.27SV(71)	572-2108-2-71	100	73.55	62.23	68.43	67.31	—	—	
FX2-100S-1.27SVL(71)	572-2158-0-71						76.55	71.95	
FX2-120S-1.27SV(71)	572-2109-5-71	120	86.25	74.93	81.13	80.01	—	—	
FX2-120S-1.27SVL(71)	572-2159-3-71						89.25	84.65	

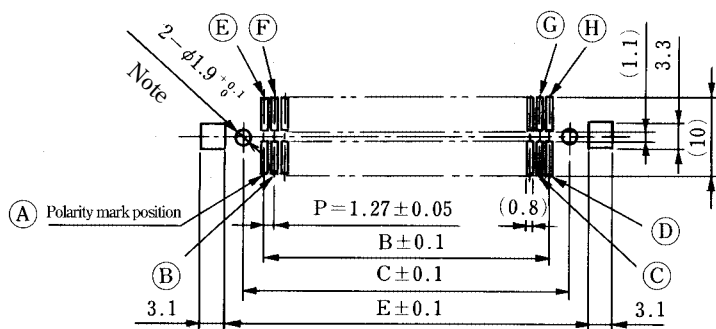
Header SMT Type

●Straight Type



Note : The connector positioning bosses are constructed to press fit into the board with light force. When mounting on the board, press the connector lightly from the top and check that the positioning bosses are securely inserted in the board holes and that the connector leads are engaged in the board. The recommended boss hole for use with automatic mounting is illustrated in fig. 1.

PCB mounting pattern



n = Number of Contacts

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

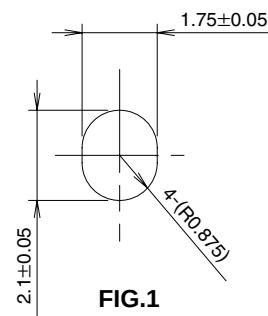


FIG.1

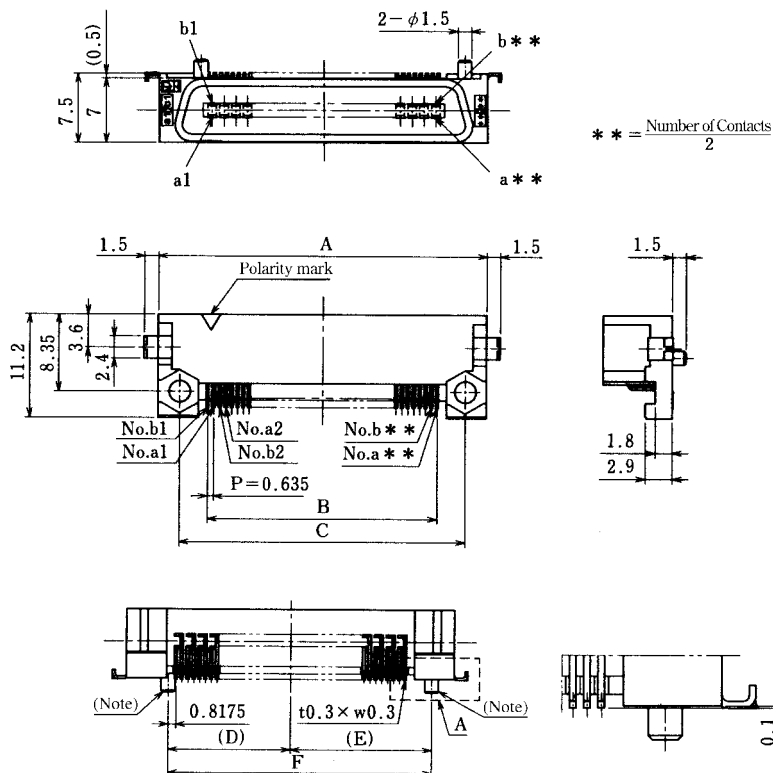
Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	RoHS
FX2- 20P-1.27SV(71)	572-2001-9-71	20	22.75	11.43	16.51	—	—	YES
FX2- 20P-1.27SVL(71)	572-2051-7-71					25.75	21.15	
FX2- 32P-1.27SV(71)	572-2002-1-71	32	30.37	19.05	24.13	—	—	
FX2- 32P-1.27SVL(71)	572-2052-0-71					33.37	28.77	
FX2- 40P-1.27SV(71)	572-2003-4-71	40	35.45	24.13	29.21	—	—	
FX2- 40P-1.27SVL(71)	572-2053-2-71					38.45	33.85	
FX2- 52P-1.27SV(71)	572-2004-7-71	52	43.07	31.75	36.83	—	—	
FX2- 52P-1.27SVL(71)	572-2054-5-71					46.07	41.47	
FX2- 60P-1.27SV(71)	572-2005-0-71	60	48.15	36.83	41.91	—	—	
FX2- 60P-1.27SVL(71)	572-2055-8-71					51.15	46.55	
FX2- 68P-1.27SV(71)	572-2006-2-71	68	53.23	41.91	46.99	—	—	
FX2- 68P-1.27SVL(71)	572-2056-0-71					56.23	51.63	
FX2- 80P-1.27SV(71)	572-2007-5-71	80	60.85	49.53	54.61	—	—	
FX2- 80P-1.27SVL(71)	572-2057-3-71					63.85	59.25	
FX2-100P-1.27SV(71)	572-2008-8-71	100	73.55	62.23	67.31	—	—	
FX2-100P-1.27SVL(71)	572-2058-6-71					76.55	71.95	
FX2-120P-1.27SV(71)	572-2009-0-71	120	86.25	74.93	80.01	—	—	
FX2-120P-1.27SVL(71)	572-2059-9-71					89.25	84.65	

FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

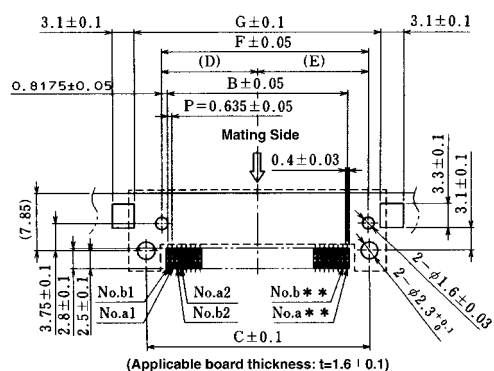
Header SMT Type

Right Angle Type

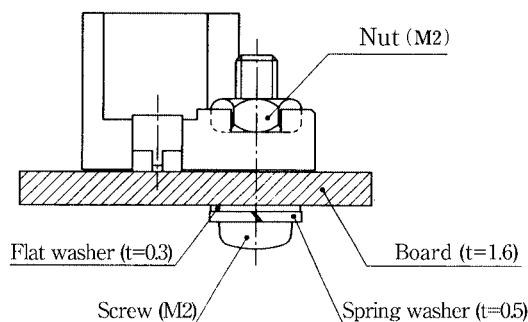


Note: The FX2A type does not have bosses as shown in the illustration.

PCB mounting Pattern



Recommended Screw Clamp



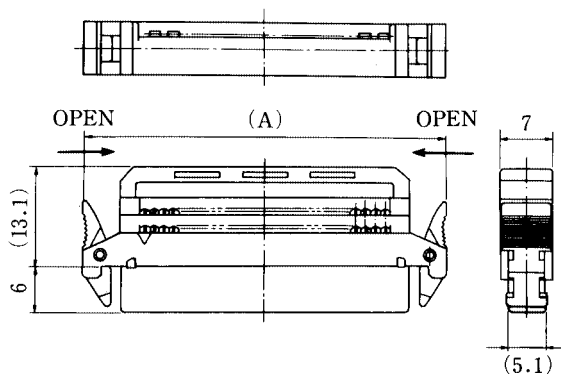
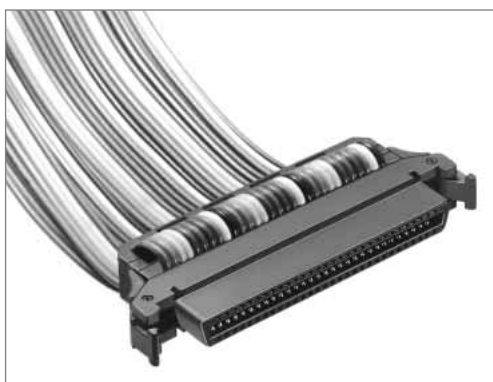
Use M2 screw for fixture.
 Recommended torque is 0.15(N•m).

Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	G	RoHS
FX2-20P-0.635SH(71)	572-2761-2-71	20	22.75	12.065	18.05	6.85	8.85	15.7	21.15	YES
FX2A-20P-0.635SH(71)	572-2771-6-71					—	—	—		
FX2-40P-0.635SH(71)	572-2763-8-71	40	35.45	24.765	30.75	13.2	15.2	28.4	33.85	
FX2A-40P-0.635SH(71)	572-2773-1-71					—	—	—		
FX2-52P-0.635SH(71)	572-2764-0-71	52	43.07	32.385	38.37	17.01	19.01	36.02	41.47	
FX2A-52P-0.635SH(71)	572-2774-4-71					—	—	—		
FX2-60P-0.635SH(71)	572-2765-3-71	60	48.15	37.465	43.45	19.55	21.55	41.1	46.55	
FX2A-60P-0.635SH(71)	572-2775-7-71					—	—	—		
FX2-80P-0.635SH(71)	572-2767-9-71	80	60.85	50.165	56.15	25.9	27.9	53.8	59.25	
FX2A-80P-0.635SH(71)	572-2777-2-71					—	—	—		

■Socket Type

●Lock Cable Type

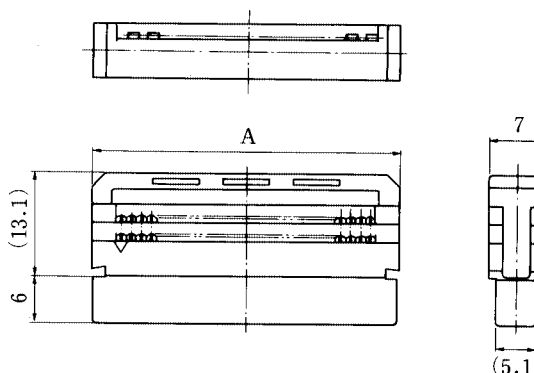


Combination View

Unit: mm

Part Number	CL No.	Number of Contacts	A	RoHS
FX2B- 20SA-1.27R	572-0621-2	20	27.83	YES
FX2B- 32SA-1.27R	572-0622-5	32	35.45	
FX2B- 40SA-1.27R	572-0623-8	40	40.53	
FX2B- 52SA-1.27R	572-0624-0	52	48.15	
FX2B- 60SA-1.27R	572-0625-3	60	53.23	
FX2B- 68SA-1.27R	572-0629-4	68	58.31	
FX2B- 80SA-1.27R	572-0630-3	80	65.93	
FX2B-100SA-1.27R	572-0628-1	100	78.63	

●Unlock Cable Type



Combination View

Unit: mm

Part Number	CL No.	Number of Contacts	A	RoHS
FX2BA- 20SA-1.27R	572-0671-0	20	18.05	YES
FX2BA- 32SA-1.27R	572-0672-3	32	25.67	
FX2BA- 40SA-1.27R	572-0673-6	40	30.75	
FX2BA- 52SA-1.27R	572-0674-9	52	38.37	
FX2BA- 60SA-1.27R	572-0675-1	60	43.45	
FX2BA- 68SA-1.27R	572-0676-4	68	48.53	
FX2BA- 80SA-1.27R	572-0677-7	80	56.15	
FX2BA-100SA-1.27R	572-0678-0	100	68.85	

◆Connection Tool

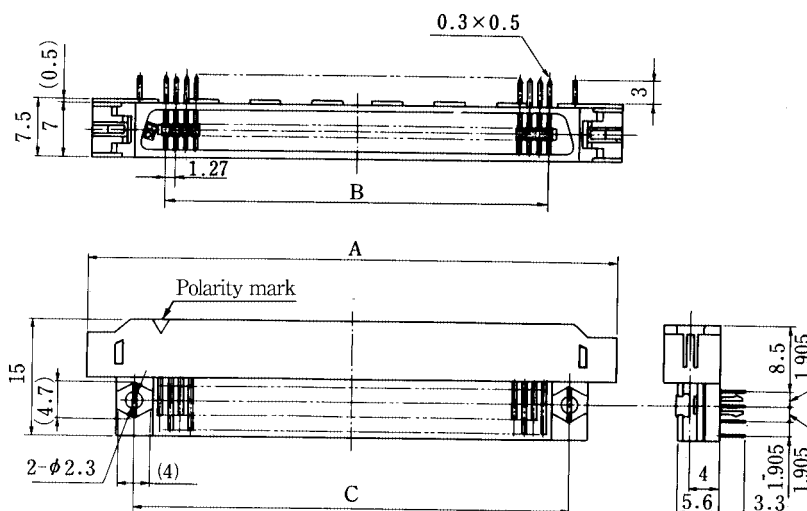
Type	Part Number	CL No.
Guide plate	FX2B(A)-GPA	550-0212-6
Connection press	Hi-Flex connection press	550-0082-2

Note:HRS6 cable cutter FC601 isn't required for FX2B(A) connection.
 (Connected without convex-concave cutting.)

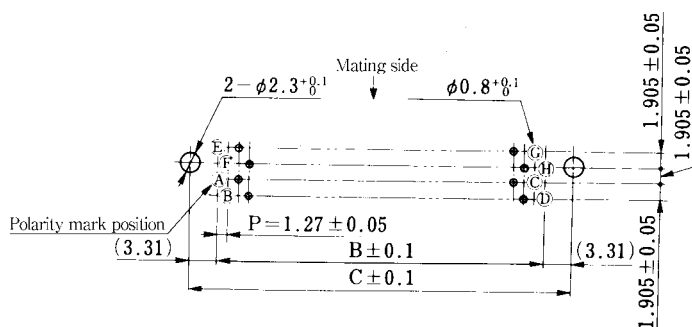
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

Header

Right Angle Type for Lock



PCB mounting pattern



n= number of contacts

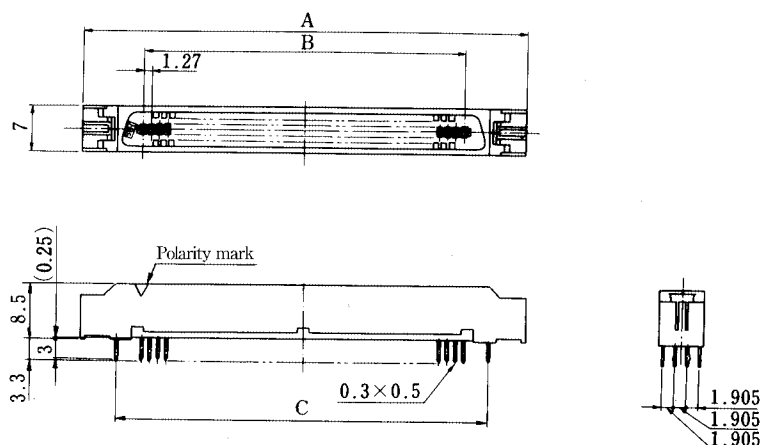
- | | |
|--------------------|--------------------|
| Ⓐ a1 | Ⓔ b1 |
| Ⓑ a2 | Ⓕ b2 |
| Ⓒ $a\frac{n}{2}-1$ | Ⓖ $b\frac{n}{2}-1$ |
| Ⓓ $a\frac{n}{2}$ | Ⓗ $b\frac{n}{2}$ |

Unit: mm

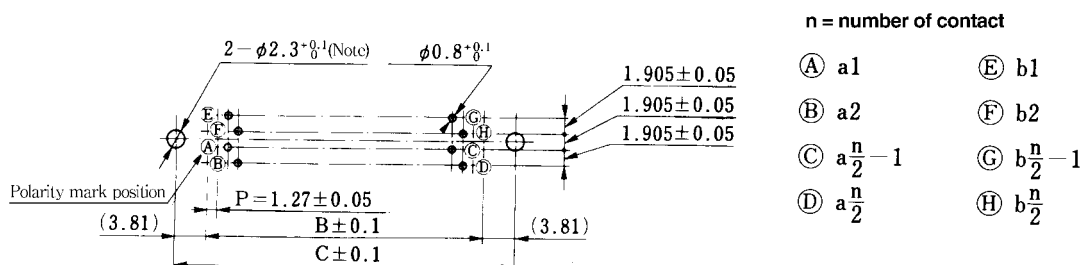
Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2B- 20PA-1.27DS(71)	572-0721-7-71	20	30.33	11.43	18.05	YES
FX2B- 20PA-1.27DSL(71)	572-0771-5-71					
FX2B- 32PA-1.27DS(71)	572-0722-0-71	32	37.95	19.05	25.67	
FX2B- 32PA-1.27DSL(71)	572-0772-8-71					
FX2B- 40PA-1.27DS(71)	572-0723-2-71	40	43.03	24.13	30.75	
FX2B- 40PA-1.27DSL(71)	572-0773-0-71					
FX2B- 52PA-1.27DS(71)	572-0724-5-71	52	50.65	31.75	38.37	
FX2B- 52PA-1.27DSL(71)	572-0774-3-71					
FX2B- 60PA-1.27DS(71)	572-0725-8-71	60	55.73	36.83	43.45	
FX2B- 60PA-1.27DSL(71)	572-0775-6-71					
FX2B- 68PA-1.27DS(71)	572-0726-0-71	68	60.81	41.91	48.53	
FX2B- 68PA-1.27DSL(71)	572-0776-9-71					
FX2B- 80PA-1.27DS(71)	572-0727-3-71	80	68.43	49.53	56.15	
FX2B- 80PA-1.27DSL(71)	572-0777-1-71					
FX2B-100PA-1.27DS(71)	572-0728-6-71	100	81.13	62.23	68.85	
FX2B-100PA-1.27DSL(71)	572-0778-4-71					

■Header No Cleaning Type

●Straight Type for Lock



◆PCB mounting pattern



Note: Not required, unless the prefixed pin is attached.

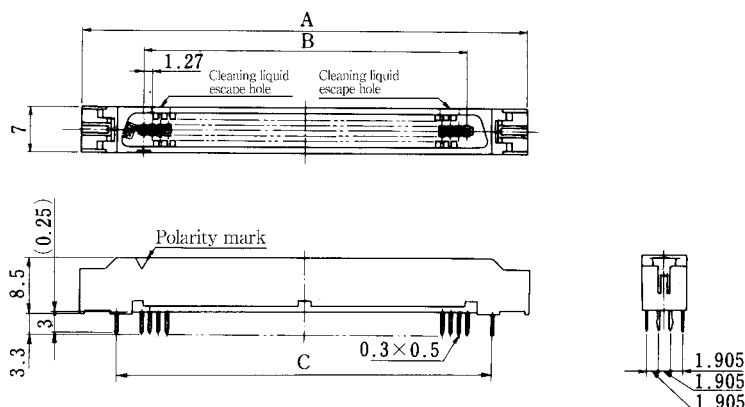
Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2B- 20P-1.27DSA(71)	572-0801-4-71	20	30.33	11.43	—	YES
FX2B- 20P-1.27DSAL(71)	572-0851-2-71				19.05	
FX2B- 32P-1.27DSA(71)	572-0802-7-71	32	37.95	19.05	—	
FX2B- 32P-1.27DSAL(71)	572-0852-5-71				26.67	
FX2B- 40PA-1.27DSA(71)	572-0823-7-71	40	43.03	24.13	—	
FX2B- 40PA-1.27DSAL(71)	572-0873-5-71				31.75	
FX2B- 52PA-1.27DSA(71)	572-0824-0-71	52	50.65	31.75	—	
FX2B- 52PA-1.27DSAL(71)	572-0874-8-71				39.37	
FX2B- 60PA-1.27DSA(71)	572-0825-2-71	60	55.73	36.83	—	
FX2B- 60PA-1.27DSAL(71)	572-0875-0-71				44.45	
FX2B- 68PA-1.27DSA(71)	572-0826-5-71	68	60.81	41.91	—	
FX2B- 68PA-1.27DSAL(71)	572-0876-3-71				49.53	
FX2B- 80PA-1.27DSA(71)	572-0827-8-71	80	68.43	49.53	—	
FX2B- 80PA-1.27DSAL(71)	572-0877-6-71				57.15	
FX2B-100PA-1.27DSA(71)	572-0828-0-71	100	81.13	62.23	—	
FX2B-100PA-1.27DSAL(71)	572-0878-9-71				69.85	

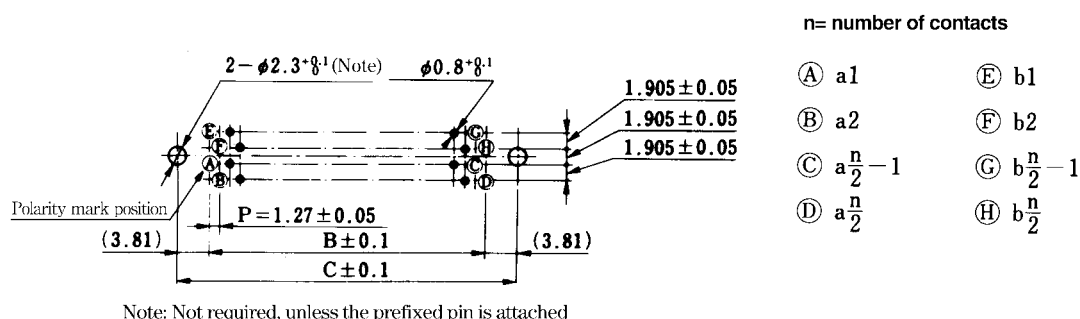
FX2 Series 1.27mm Pitch Multi-function Two Piece Connector

■Header Cleaning Type

●Straight Type for Lock



◆PCB mounting pattern



Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	RoHS
FX2BA- 20P-1.27DSA(71)	572-0901-9-71	20	30.33	11.43	—	YES
FX2BA- 20P-1.27DSAL(71)	572-0951-7-71				19.05	
FX2BA- 32P-1.27DSA(71)	572-0902-1-71	32	37.95	19.05	—	
FX2BA- 32P-1.27DSAL(71)	572-0952-0-71				26.67	
FX2BA- 40PA-1.27DSA(71)	572-0923-1-71	40	43.03	24.13	—	
FX2BA- 40PA-1.27DSAL(71)	572-0973-0-71				31.75	
FX2BA- 52PA-1.27DSA(71)	572-0924-4-71	52	50.65	31.75	—	
FX2BA- 52PA-1.27DSAL(71)	572-0974-2-71				39.37	
FX2BA- 60PA-1.27DSA(71)	572-0925-7-71	60	55.73	36.83	—	
FX2BA- 60PA-1.27DSAL(71)	572-0975-5-71				44.45	
FX2BA- 68PA-1.27DSA(71)	572-0926-0-71	68	60.81	41.91	—	
FX2BA- 68PA-1.27DSAL(71)	572-0976-8-71				49.53	
FX2BA- 80PA-1.27DSA(71)	572-0927-2-71	80	68.43	49.53	—	
FX2BA- 80PA-1.27DSAL(71)	572-0977-0-71				57.15	
FX2BA-100PA-1.27DSA(71)	572-0928-5-71	100	81.13	62.23	—	
FX2BA-100PA-1.27DSAL(71)	572-0978-3-71				69.85	