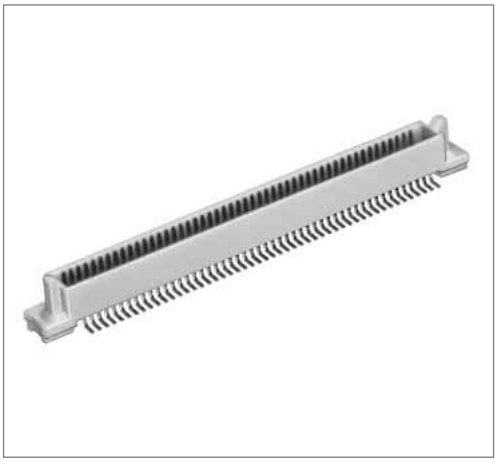
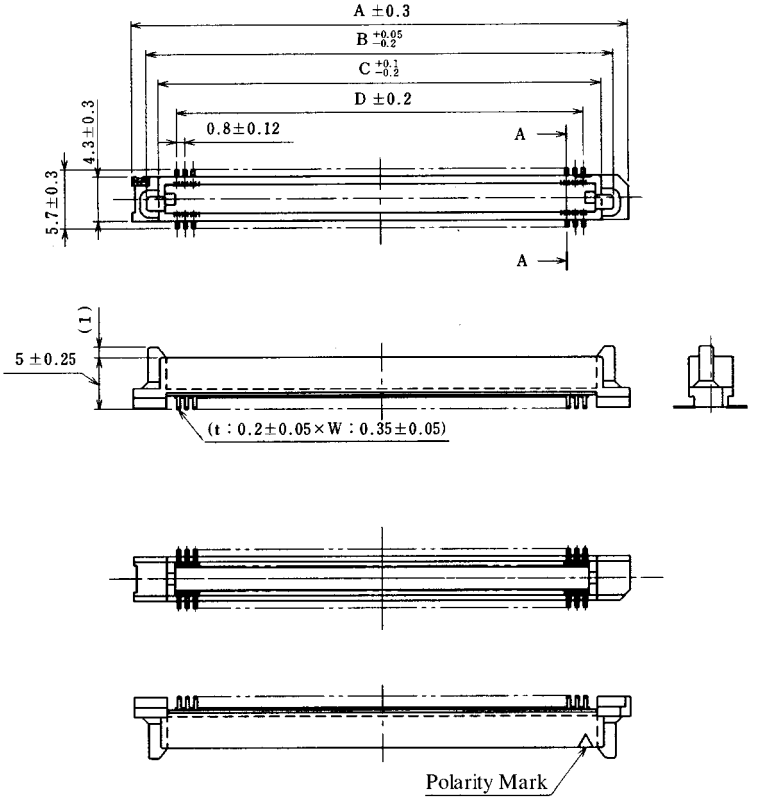
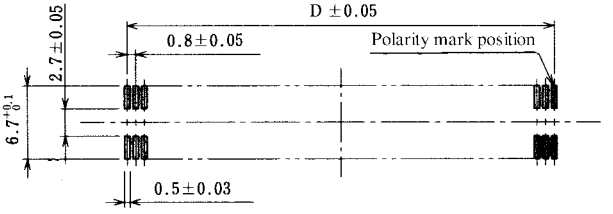
Without Boss Type

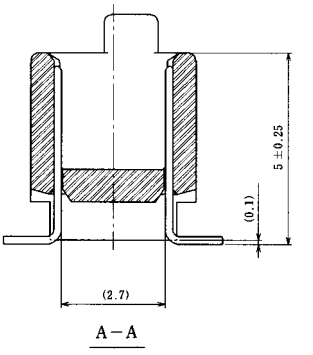
Header-Stacking Height: Standard+1 type





◆PCB mounting pattern





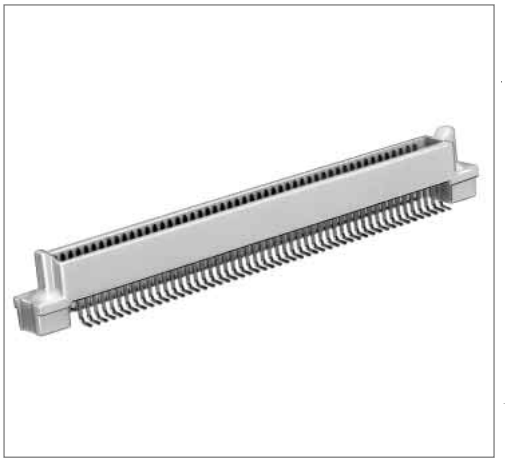
Unit: mm

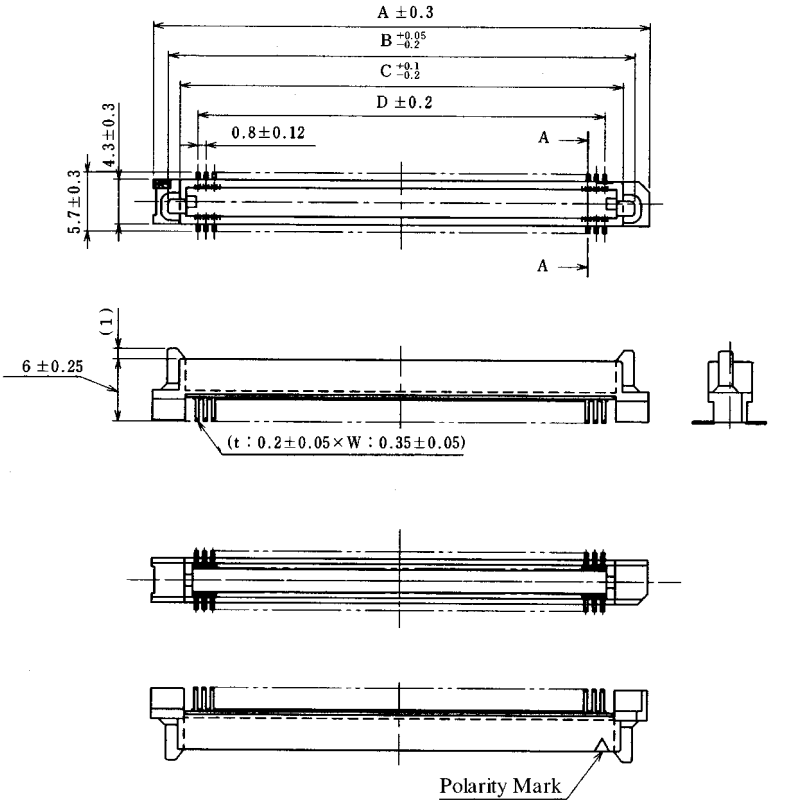
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX6A- 20P-0.8SV1(71)	576-0221-0-71	20	15.8	12.9	10.7	7.2	YES
FX6A- 40P-0.8SV1(71)	576-0223-5-71	40	23.8	20.9	18.7	15.2	
FX6A- 50P-0.8SV1(71)	576-0224-8-71	50	27.8	24.9	22.7	19.2	
FX6A- 60P-0.8SV1(71)	576-0225-0-71	60	31.8	28.9	26.7	23.2	
FX6A- 80P-0.8SV1(71)	576-0227-6-71	80	39.8	36.9	34.7	31.2	
FX6A-100P-0.8SV1(71)	576-0228-9-71	100	47.8	44.9	42.7	39.2	

Note:Determine a quantity of the stick package product for delivery, multiplying the insertion pieces per contact number by an integer. Please make sure that a quantity of the stick package product for delivery is determined per reel (1000 pieces). (Refer to the delivery form item on page A144 for details.)

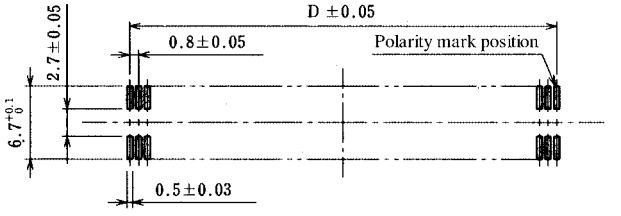
Without Boss Type

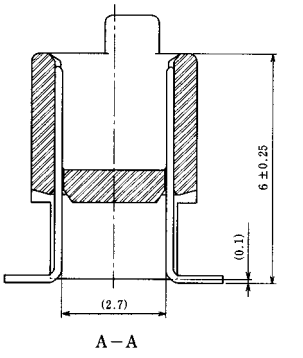
Receptacle-Stacking Height: Standard+2mm type





◆PCB mounting pattern





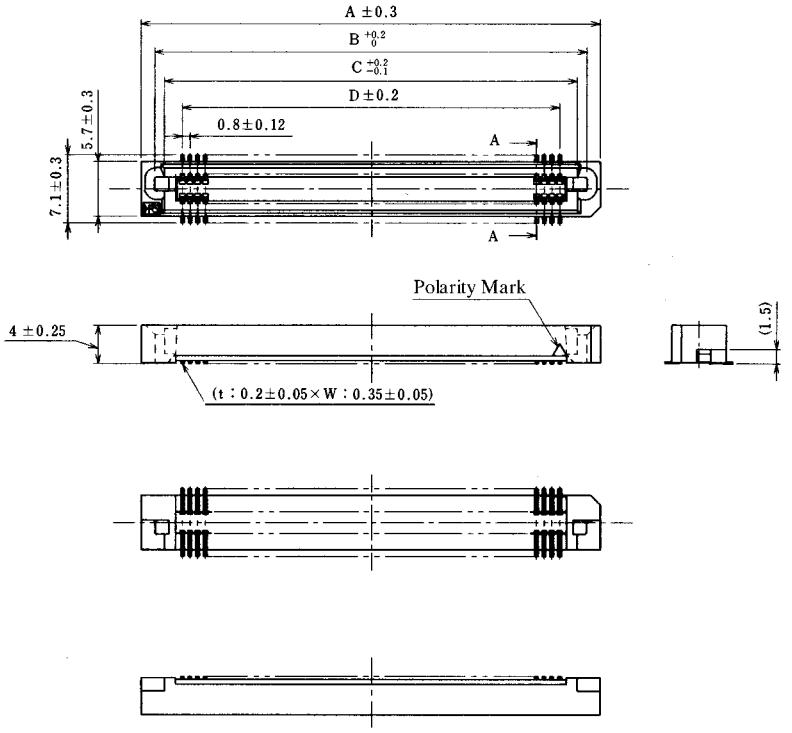
Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX6A- 20P-0.8SV2(71)	576-0241-7-71	20	15.8	12.9	10.7	7.2	YES
FX6A- 40P-0.8SV2(71)	576-0243-2-71	40	23.8	20.9	18.7	15.2	
FX6A- 50P-0.8SV2(71)	576-0244-5-71	50	27.8	24.9	22.7	19.2	
FX6A- 60P-0.8SV2(71)	576-0245-8-71	60	31.8	28.9	26.7	23.2	
FX6A- 80P-0.8SV2(71)	576-0247-3-71	80	39.8	36.9	34.7	31.2	
FX6A-100P-0.8SV2(71)	576-0248-6-71	100	47.8	44.9	42.7	39.2	

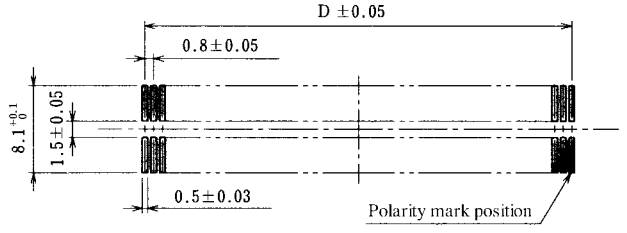
Note:Determine a quantity of the stick package product for delivery, multiplying the insertion pieces per contact number by an integer. Please make sure that a quantity of the stick package product for delivery is determined per reel (1000 pieces). (Refer to the delivery form item on page A144 for details.)

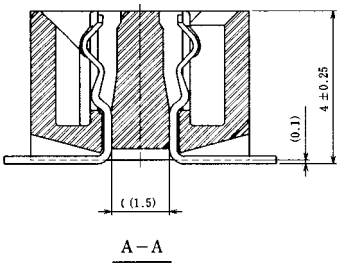
Without Boss Type

Receptacle-Stacking Height: Standard type



◆PCB mounting pattern





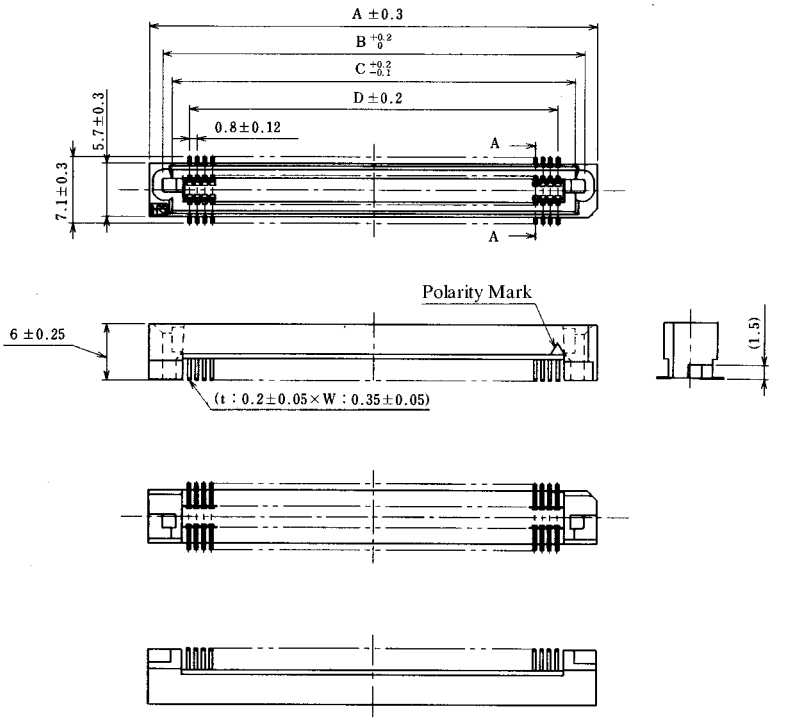
Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX6A- 20S-0.8SV(71)	576-0301-7-71	20	15.8	12.95	10.9	7.2	YES
FX6A- 40S-0.8SV(71)	576-0303-2-71	40	23.8	20.95	18.9	15.2	
FX6A- 50S-0.8SV(71)	576-0304-5-71	50	27.8	24.95	22.9	19.2	
FX6A- 60S-0.8SV(71)	576-0305-8-71	60	31.8	28.95	26.9	23.2	
FX6A- 80S-0.8SV(71)	576-0307-3-71	80	39.8	36.95	34.9	31.2	
FX6A-100S-0.8SV(71)	576-0308-6-71	100	47.8	44.95	42.9	39.2	

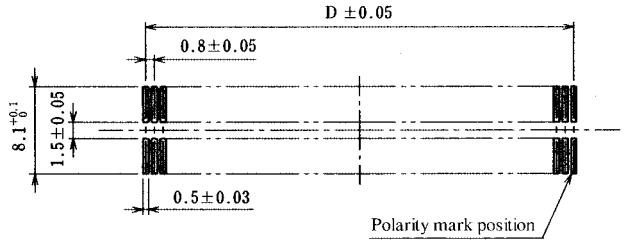
Note:Determine a quantity of the stick package product for delivery, multiplying the insertion pieces per contact number by an integer. Please make sure that a quantity of the stick package product for delivery is determined per reel (1000 pieces). (Refer to the delivery form item on page A144 for details.)

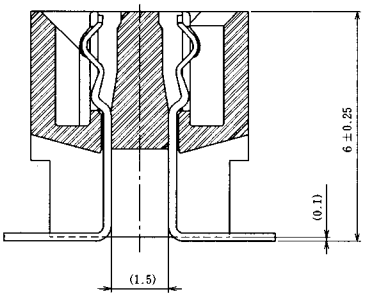
Without Boss Type

Receptacle-Stacking Height: Standard+2mm type



◆PCB mounting pattern





Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
FX6A- 20S-0.8SV2(71)	576-0321-4-71	20	15.8	12.95	10.9	7.2	YES
FX6A- 40S-0.8SV2(71)	576-0323-0-71	40	23.8	20.95	18.9	15.2	
FX6A- 50S-0.8SV2(71)	576-0324-2-71	50	27.8	24.95	22.9	19.2	
FX6A- 60S-0.8SV2(71)	576-0325-5-71	60	31.8	28.95	26.9	23.2	
FX6A- 80S-0.8SV2(71)	576-0327-0-71	80	39.8	36.95	34.9	31.2	
FX6A-100S-0.8SV2(71)	576-0328-3-71	100	47.8	44.95	42.9	39.2	

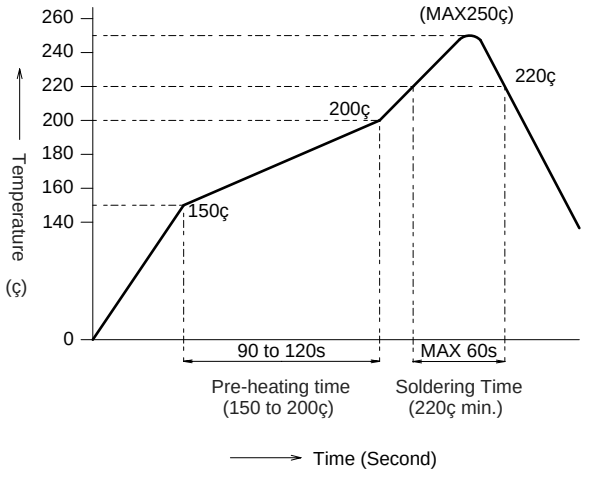
Note:Determine a quantity of the stick package product for delivery, multiplying the insertion pieces per contact number by an integer. Please make sure that a quantity of the stick package product for delivery is determined per reel (1000 pieces). (Refer to the delivery form item on page A144 for details.)

Precautions

1. Tolerance Clearance on Mating Side

The effective contact length of the product is set to 1.7mm. Please use the products as to set the clearance within 1.0mm between the header and the receptacle in the mating process.

2. Mounting Temperature Profile (Reference)



HRS test conditions

Test boardGlass epoxy 110mm 55mm 1.6mm thick	
Solder method	:Reflow
Solder composition	:Paste, 96.5%Sn/3%Ag/0.5%Cu
Metal mask	: 0.15mm thick
Reflow cycles	: 2 cycles

The temperature profile is based on the above conditions.
In individual applications the actual temperature may vary, depending on solder paste type, volume/thickness and board size/thickness. Consult your solder paste and equipment manufacturer for specific recommendations.

3. Board to Board Size

The board to board size of the male/female connector shown in the application pattern doesn't include the solder paste thickness. Thus, after the connector is mounted on the board, consider that the board to board size will be widened in proportion to the solder paste thickness.