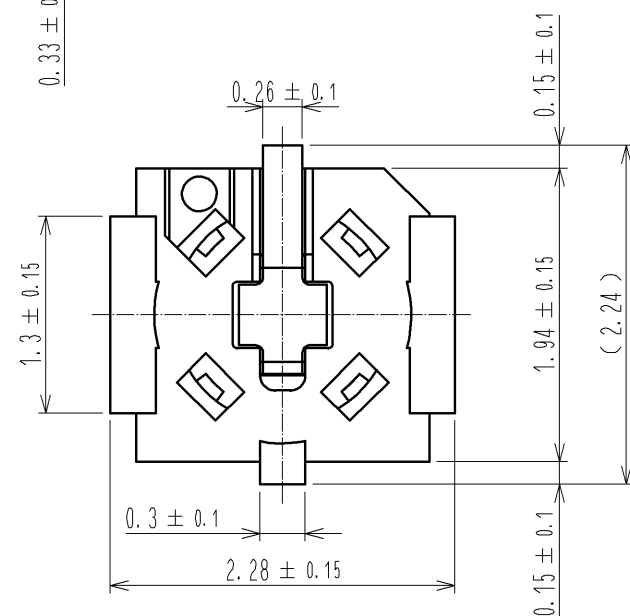
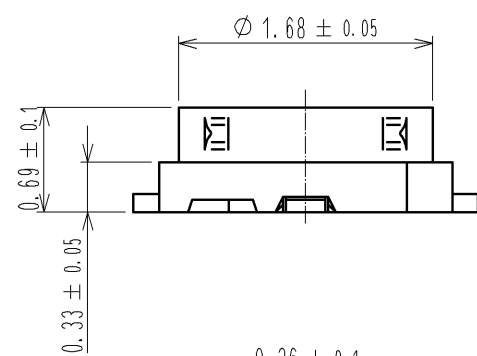
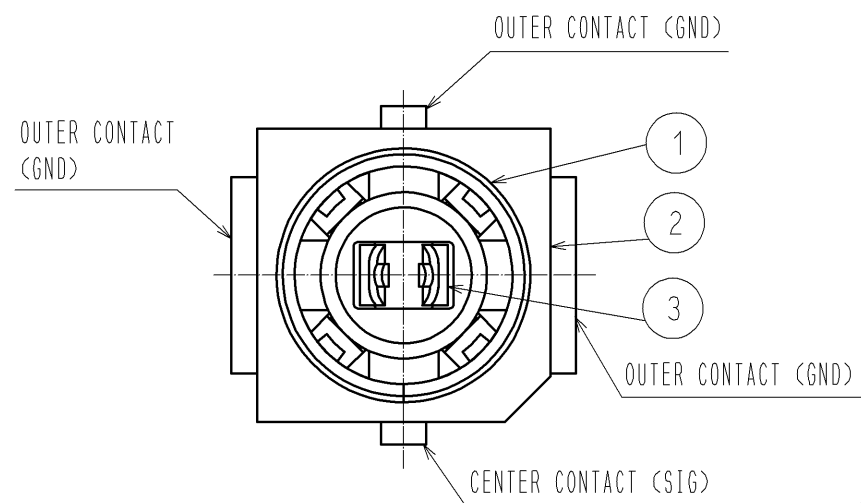
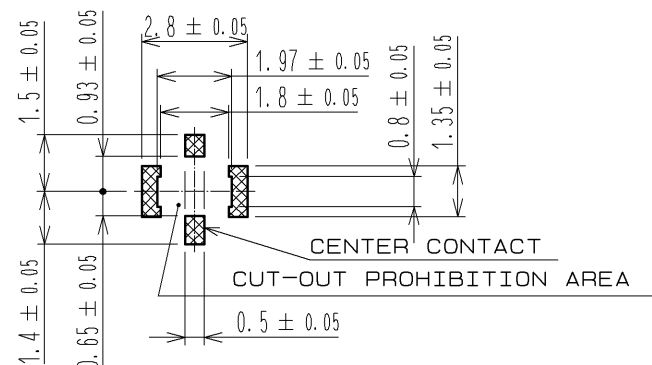




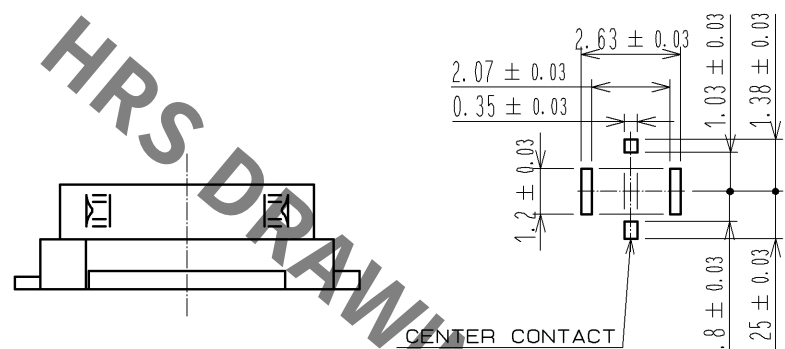
NOTES:

- 1: THE QUANTITY OF X.FL-PR-SMT1-2 IS 10000 CONNECTORS PER REEL.
- 2: LEAD CO-PLANARITY SHALL BE 0.08MAX.
- 3: FOR THE POSSIBILITY OF BREAKAGE OR DEFORMATION, DO NOT MATE THIS CONNECTOR WITH PARTNER, X.FL-R-SMT-1 BEFORE MOUNTING ON PC BOARD.

RECOMMENDED PC BOARD
PATTERN DRAWING (5:1)

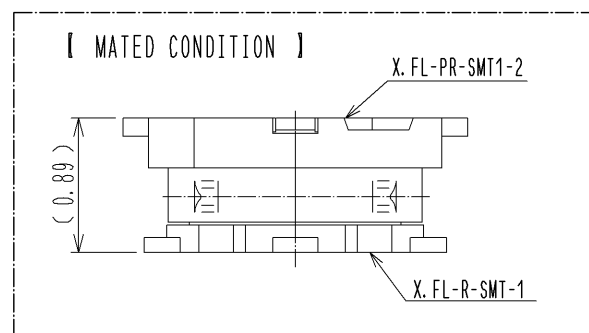


RECOMMENDED METAL MASK
PATTERN DRAWING (5:1)

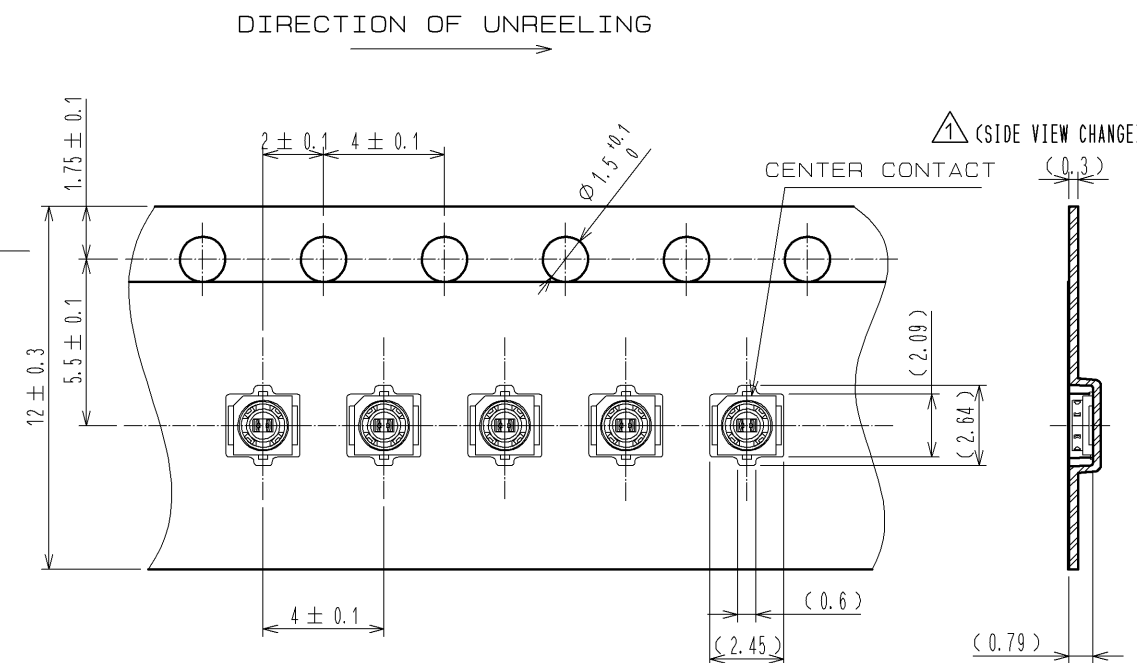


THICKNESS : 0.1mm / 0.12mm

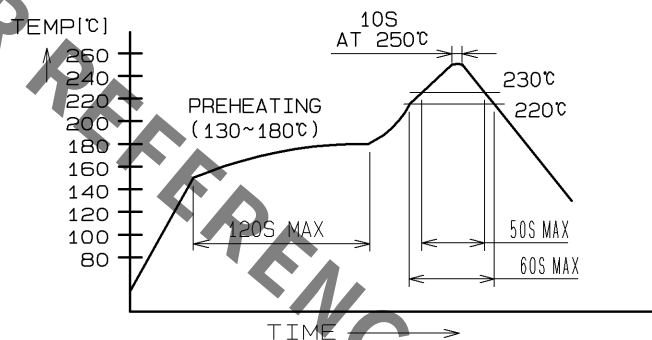
Diagram showing the 3D perspective view of the connector. It indicates the mating condition between the connector and the PC board. The connector is labeled 'X.FL-PR-SMT1-2' and the PC board is labeled 'X.FL-R-SMT-1'.



EMBOSSED TAPING DRAWING (4:1)

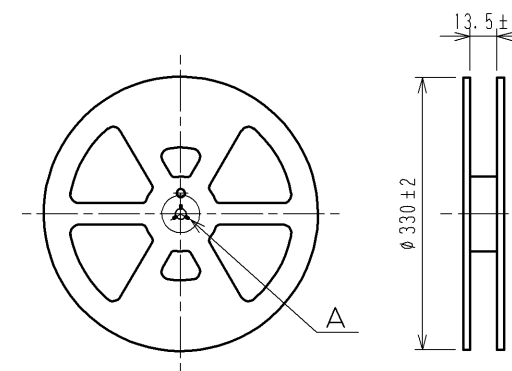


MOUNTING TEMPERATURE PROFILE
(REFERENCE)

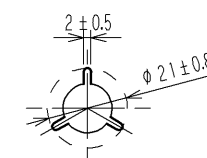


NOTE
MOUNTING TEMPERATURE PROFILE VARIES ACCORDING
TO BOARD SIZE, SOLDER TYPE APPLIED AND SOLDER
THICKNESS.
• METAL MASK THICKNESS: 0.1mm / 0.12mm
• Up to 2 cycles of Reflow.

REEL DRAWING (SCALE FREE)



A (SCALE FREE)



RoHS COMPLIANT, Halogen Free

2	LCP	(BLACK), UL94V-0	3	PHOSPHOR BRONZE	UNDER PLATING : NICKEL
1	PHOSPHOR BRONZE	UNDER PLATING : NICKEL			OVER PLATING : SELECTIVE GOLD
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
UNITS mm		SCALE 20 : 1	COUNT 1	DESCRIPTION OF REVISIONS DIS-D-002899	DESIGNED TS. SAWAI
APPROVED : MH. YAMANE		13.05.08	DRAWING NO. EDC3-341481-80		
CHECKED : MH. TSUCHIDA		13.05.07	PART NO. X.FL-PR-SMT1-2(80)		
DESIGNED : TS. SAWAI		13.04.23	CODE NO. CL331-0713-7-80		
DRAWN : TS. SAWAI		13.04.23			

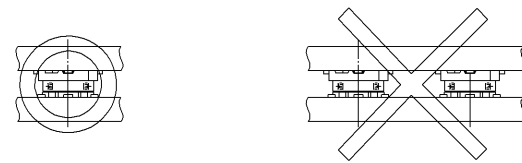
■ MOUNTING PRECAUTIONS

a. FPC MOUNTING

FPC must have suitable stiffener to prevent peeling of the solder joints during mating/ unmating.
We recommend the FPC to be supported with the reinforcement.

b. MULTI-CONNECTOR PLACEMENT

When mounting on a solid PCB on both sides do not place more than one connector on each side.
When mounting one side on a rigid PCB and other on the flexible printed circuit several connectors can be mounted on the rigid side. The FPC must have slots between each of the connectors to allow alignment with each corresponding connector.



■ MATING PRECAUTIONS

Connectors must be mated by hand only. Application of excessive forces may damage the connectors.

● MATING PROCEDURES

1) Align mount plug (X.FL-PR-SMT1-2) and receptacle (X.FL-R-SMT-1) by slight touch as shown on fig. 1.

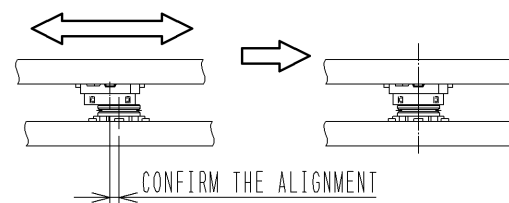
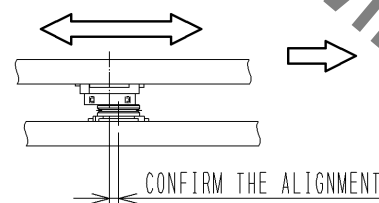


FIG. 1



CONFIRM THE ALIGNMENT

2) Confirm the alignment by applying slight even pressure to the mount plug (X.FL-PR-SMT1-2) partially inserting it in the mount receptacle (X.FL-R-SMT-1), as shown in fig. 2. The plug should not move sideways or be slanted.

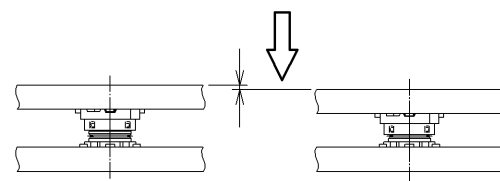
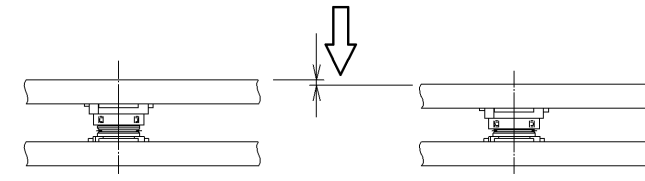


FIG. 2



3) Push-down on the mount plug (X.FL-PR-SMT1-2) until is fully inserted, confirming it with a tactile 'CLICK'.

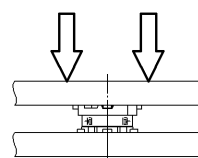
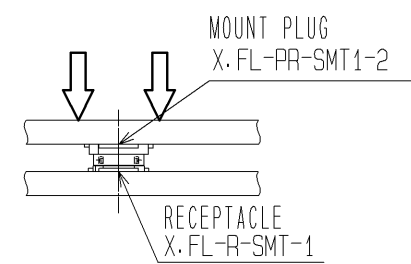
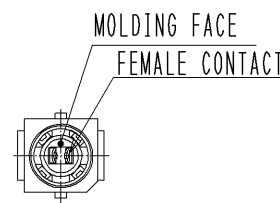


FIG. 2



4) When mating was not possible, please use it after confirming that a plug receptacle female contact by the transformation of the mold part does not have transformation before just using a plug receptacle.



■ UNMATING PRECAUTIONS

Unmate by applying even vertical force to the mount plug (X.FL-PR-SMT1-2) as shown on fig. 4.
Do not rock or lift by one side only. FPC must have suitable stiffener.



FIG. 4

If encountering some resistance during the unmating start lifting from side, as shown on fig. 5.
Do not attempt unmating by lifting it from any of the other side.

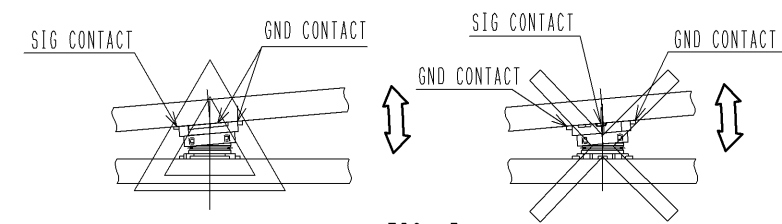


FIG. 5

■ SUGGESTIONS TO PREVENT ACCIDENTAL UNMATING

In environments where the connectors may encounter severe shock, vibration or FPC's bend spring-back it is advisable to provide additional support when connectors are fully mated.
E.G.: device chassis or compressive cushion.

HRS

図番:	EDC3-341481-80
製品名:	X.FL-PR-SMT1-2(80)
製品コード:	CL331-0713-7-80