FPC CONN 2Pos UNSEALED CAP ASSY

The performance of applicable product is guaranteed only when processed by proper application tooling and condition described in this specification and/or AMP recognized ones.
No product is guaranteed when processed with the other tool or condition.

1. Scope

This specification covers the requirements for crimping condition of FPC seat sensor conn 2pos unsealed type.

2. Applicable Part Number

Part Number	Part Name
1123899	FPC seat sensor conn 2pos unsealed type Cap Housing Assy

3. Nomenclature

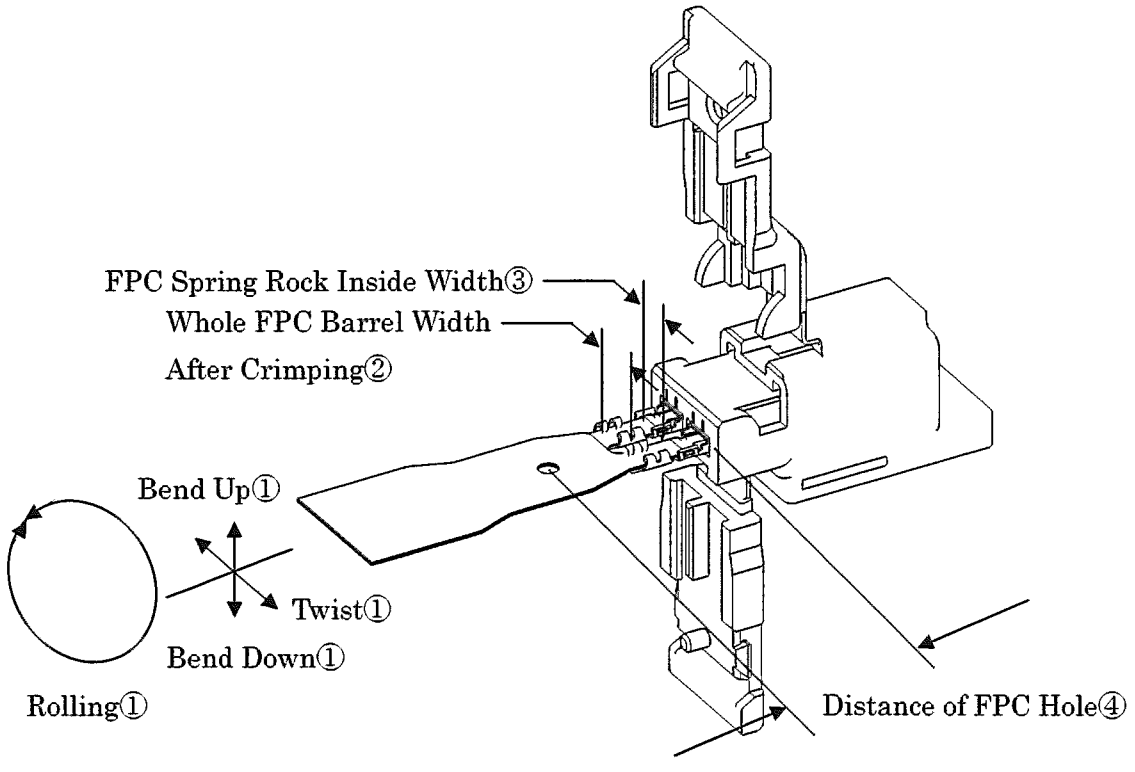


Figure 1

Released per EC FJA0-0368-04

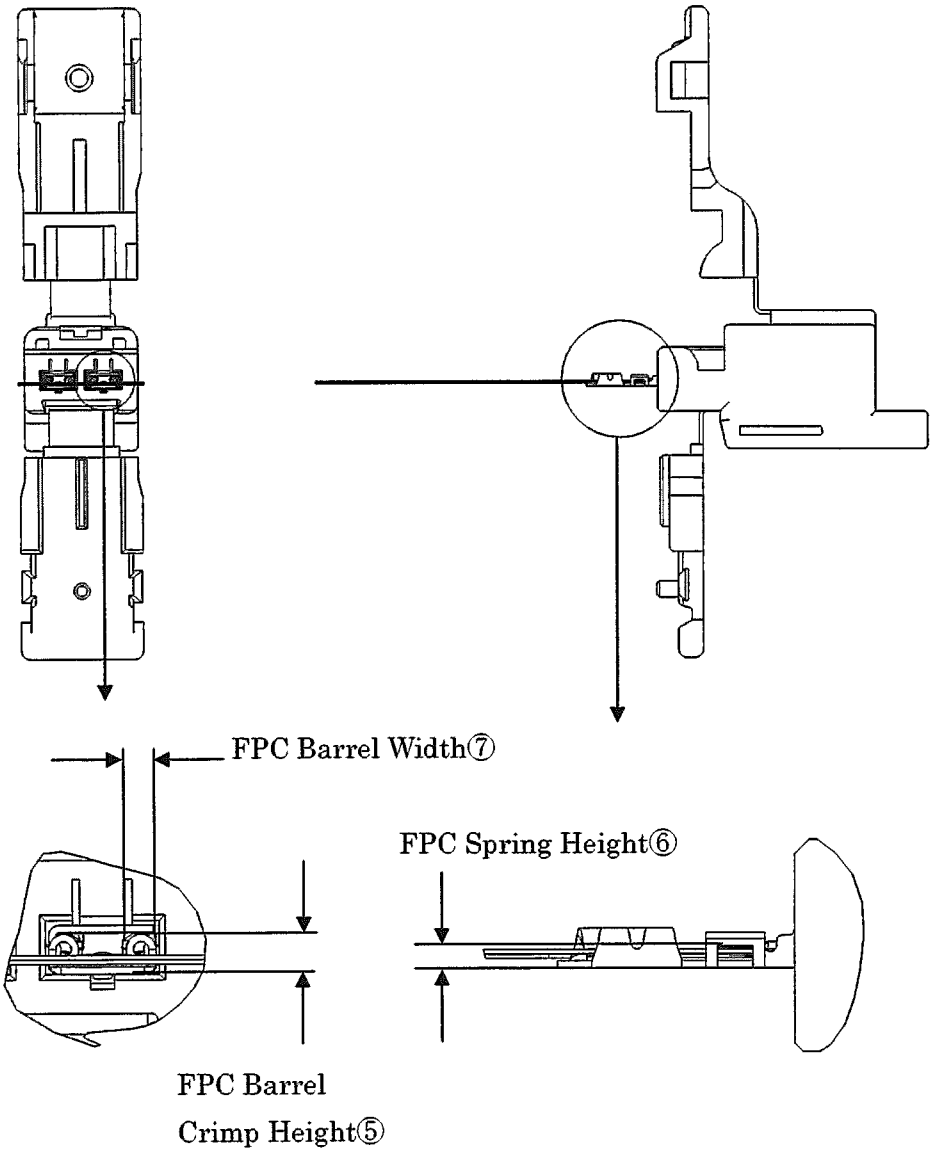

FPC Barrel Width⑦
FPC Spring Height⑥
FPC Barrel
Crimp Height⑤

Figure 2

4. FPC Crimping Condition

				Remark
1	Deformation after Crimping	Bend	-1° ,+2°	Figure 1 – ①
		Twist	±4°	
		Rolling	±10°	
2	Whole FPC Barrel Wigth after Crimping(1)		3.8mmMax(2)	Figure 1 – ②
3	FPC Spring Rock Inside Width		2.5mm+0.05/-0.2	Figure 1 – ③
4	Distance Between Contact and FPC Sensor Hole		15mm±0.2	Figure 1 – ④
5	FPC Barrel Crimp Height		See Pare.5.FPC Crimping Data	Figure 2 – ⑤
6	FPC Spring Height (1)		0.7mm±0.1	Figure 2 – ⑥
7	FPC Barrel Width		1.0mm±0.1	Figure 2 – ⑦

Note

(1) Must be measured by vernier or micrometer.

(2)Reference dimension.

5. FPC Crimping Data

Part Number	FPC Layer Thickness (μ m)	FPC Crimp Tool Part Number	FPC Barrel Crimp Height (mm)	Crimp Tensile Strength (N)
1123899	95	1276110-1	1.03	15Min
1123899	118	1276110-2	1.13	15Min

Note

(1) FPC Barrel Crimp Height to be within: ±0.05

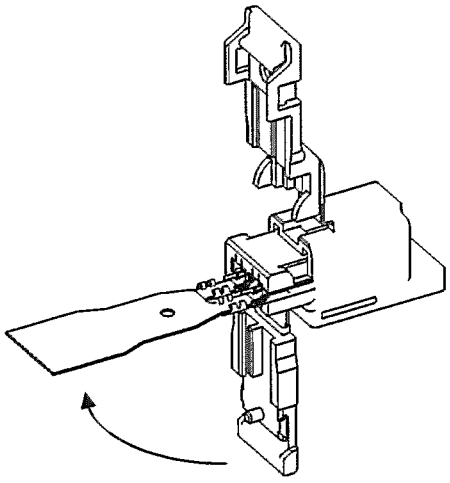
(2)In case of measurement of FPC Barrel Crimp Height, four tops of the barrel should be measured at the same time by general micrometer which has flat surface on both sides of measurement tips.

(3) Please contact AMP when FPC Layer Thickness does not meet above condition.

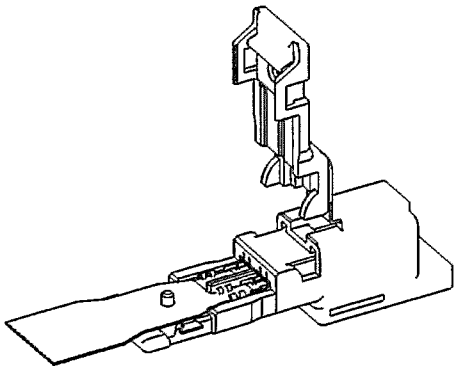
(4)When the variation in FPC thickness happens , each production lot should make adjustments to satisfy the specification of tensile strength.

6. STRENGTH NAMES and PRESSURE RANGE

6-2.Lock Strength of Bottom Hinge



Lock Strength of Bottom Hinge⑧



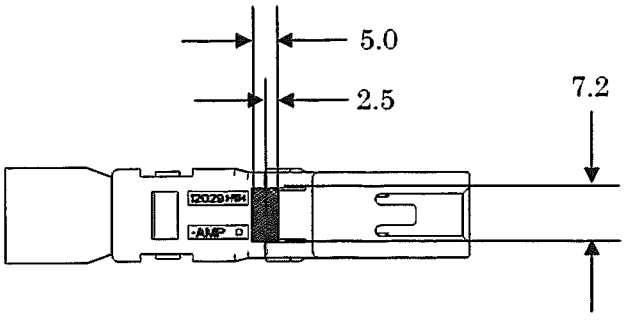


Figure 3

NOTE Pressure at the surface in dimension range(just under uneven part) of over figure slash part , when you lock bottom hinge.
See Instruction Sheet (411-5869) about bottom hinge operation for lock.

6-2.Lock Mate Strength

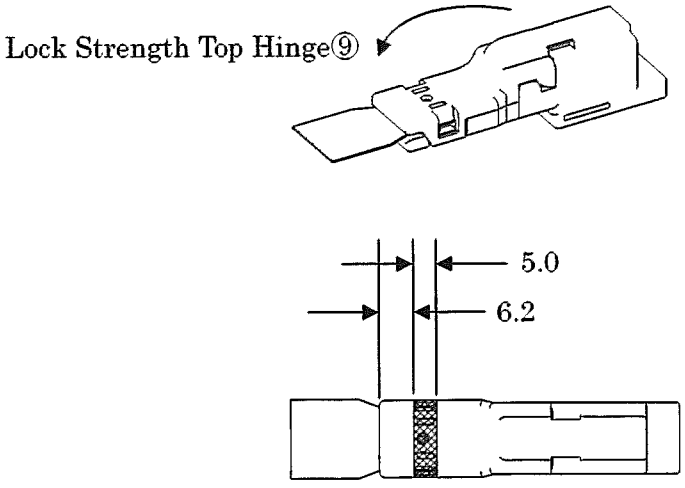


Figure.4

NOTE Pressure at the surface in dimension range of over figure slash part , when you lock top hinge.
See Instruction Sheet (411-5869) about top hinge operation for lock.

6-3.Housing Hold Strength (⑩)

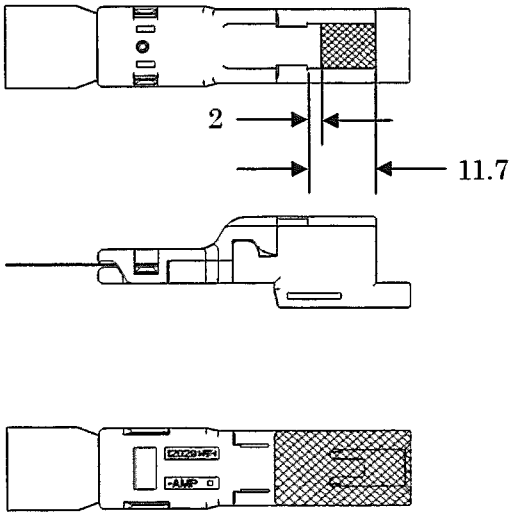


Figure.5

NOTE Apply the strength in case of pressing down at slash part in figure.5.

7. LOCK and HOLD STRENGTH CONDITION

	Name	FPC Layer Thickness (μ m)	Strength Condition (N)	Remark
1	Lock Strength of Bottom Hinge	95	100 MAX	Figure. 3 – ⑧
		118		
2	Lock Strength of Top Hinge	95	100 MAX	Figure. 4 – ⑨
		118	170 MAX	
3	Housing Hold Strength	95	120 MAX	Figure. 5 – ⑩
		118		