

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.2	D ± 0.1
4	SFW4R-1/2HS	9.8	8.6	3.0	5.3
5	SFW5R-1/2HS	10.8	9.6	4.0	6.3
6	SFW6R-1/2HS	11.8	10.6	5.0	7.3
7	SFW7R-1/2HS	12.8	11.6	6.0	8.3
8	SFW8R-1/2HS	13.8	12.6	7.0	9.3
9	SFW9R-1/2HS	14.8	13.6	8.0	10.3
10	SFW10R-1/2HS	15.8	14.6	9.0	11.3
11	SFW11R-1/2HS	16.8	15.6	10.0	12.3
12	SFW12R-1/2HS	17.8	16.6	11.0	13.3
13	SFW13R-1/2HS	18.8	17.6	12.0	14.3
14	SFW14R-1/2HS	19.8	18.6	13.0	15.3
15	SFW15R-1/2HS	20.8	19.6	14.0	16.3
16	SFW16R-1/2HS	21.8	20.6	15.0	17.3
17	SFW17R-1/2HS	22.8	21.6	16.0	18.3
18	SFW18R-1/2HS	23.8	22.6	17.0	19.3
19	SFW19R-1/2HS	24.8	23.6	18.0	20.3
20	SFW20R-1/2HS	25.8	24.6	19.0	21.3
21	SFW21R-1/2HS	26.8	25.6	20.0	22.3
22	SFW22R-1/2HS	27.8	26.6	21.0	23.3
23	SFW23R-1/2HS	28.8	27.6	22.0	24.3
24	SFW24R-1/2HS	29.8	28.6	23.0	25.3
25	SFW25R-1/2HS	30.8	29.6	24.0	26.3
26	SFW26R-1/2HS	31.8	30.6	25.0	27.3
27	SFW27R-1/2HS	32.8	31.6	26.0	28.3
28	SFW28R-1/2HS	33.8	32.6	27.0	29.3
29	SFW29R-1/2HS	34.8	33.6	28.0	30.3
30	SFW30R-1/2HS	35.8	34.6	29.0	31.3

CAT. NO.

SFW (n) R - 1 HS

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

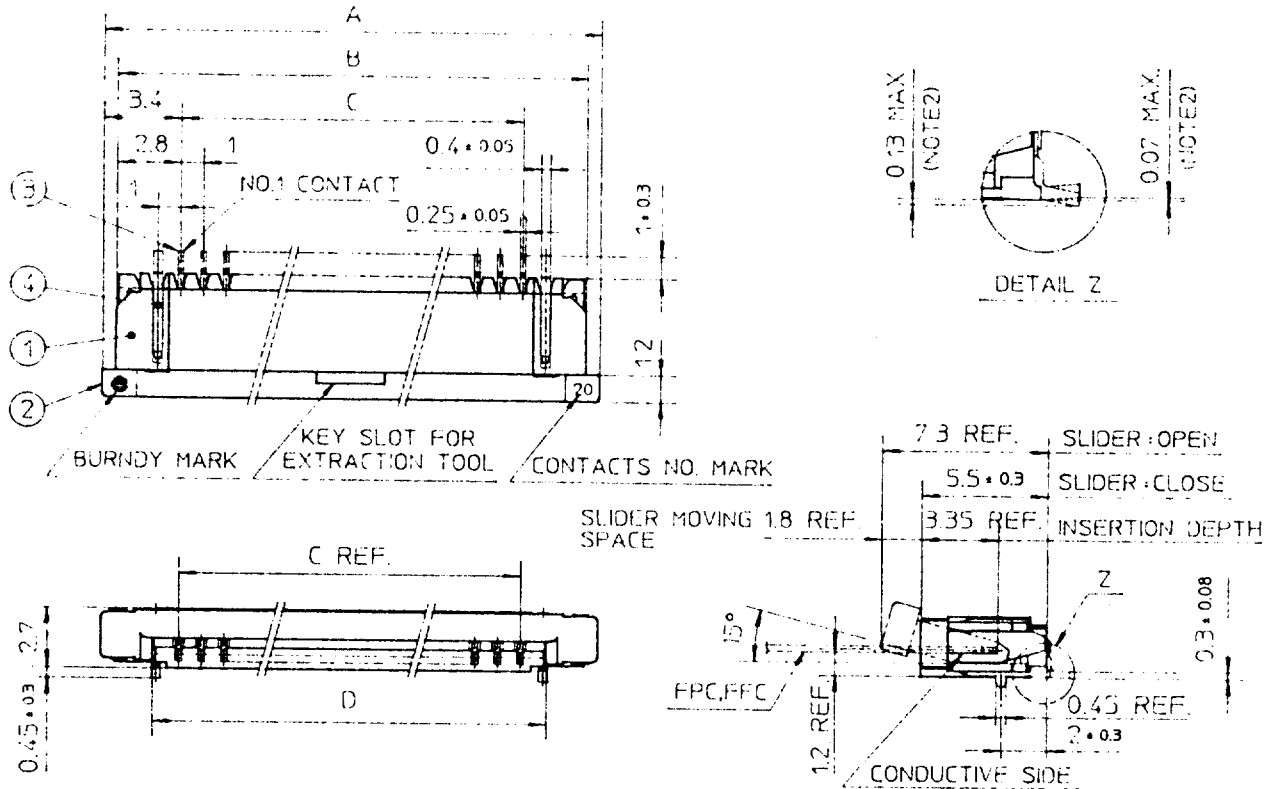
FOR HAND SOLDER (SMT)

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPEES WITH HAND SOLDER (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A-D.

3	93 7-21	27,29 POSITIONS ADDED. <i>40.54</i>	SCALE	<i>X</i>	CAT. NO. TABLE FOR SURFLOK CONNECTOR	
2	93 2-23	21 POSITIONS ADDED. <i>5.9</i>	DIM. IN	mm	CAT. NO.	
1	92 12-25	17,19,23,25,28 POSITIONS ADDED. <i>42 5.9</i>	DESIGNED		SFW__R-1/2HS	
REV.	DATE	DESCRIPTION	CKD.	DRAWN	DRAWING NO.	REV.
		MATERIAL		CHECKED	JSA 91666	
				APPROVED	3	
				DATE	Jun. 1, 1992	
					 FRAMATOME CONNECTORS JAPAN LTD.	

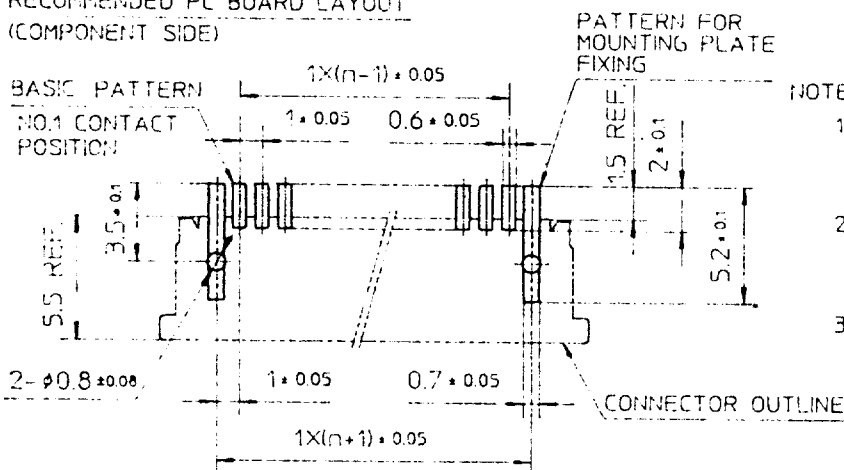
TOLERANCES
UNLESS OTHERWISE SPECIFIED: ± 0.2



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR: BROWN
2	SLIDER	PHOSPHOR BRONZE	1	COLOR: BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING: TIN ALLOY
4	MOUNTING PLATE		2	

n = NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

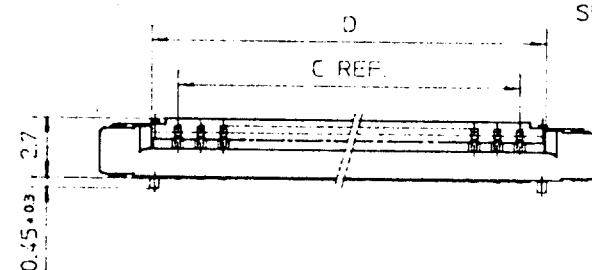


NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPEs WITH HAND SOLDER (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.

			SCALE	X	SURFLOK	
			DIM. IN		mm	CAT. NO.
			DESIGNED		SFWR-R-1HS	
REV. DATE	DESCRIPTION	CKD.	DRAWN	M. Oka	DRAWING NO.	REV
MATERIAL			CHECKED		JSA 91667	0
			APPROVED		 FRAMATOME CONNECTORS JAPAN LTD.	
			DATE	Jun. 1 1992		

SC-SFW 02

[illegible]

Technical drawing of a slider assembly. The drawing shows a cross-section of the slider with various dimensions and labels. The dimensions are as follows:

- 7.1 REF. (Overall width)
- 5.5 ± 0.3 (Width of the top section)
- 3.35 REF. (Width of the middle section)
- 0.45 REF. (Width of the bottom section)
- 2 ± 0.3 (Width of the bottom section)
- 80 ± 0.05 (Overall height)
- 1.6 REF. (Space between the slider and the moving part)
- 2 (Radius of the bottom section)

The labels are as follows:

- SLIDER : OPEN
- SLIDER : CLOSE
- INSERTION DEPTH
- CONDUCTIVE SIDE
- FPC, RFC

PT. NO.	PARTS NAME	MATERIAL	QTY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL 94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	1	PLATING : TIN ALLOY
4	MOUNTING PLATE		2	

BASIC PATTERN
NO.1 CONTACT
POSITION

Technical drawing of a connector outline. The drawing shows a side view of a connector with various dimensions and labels. Key features include:

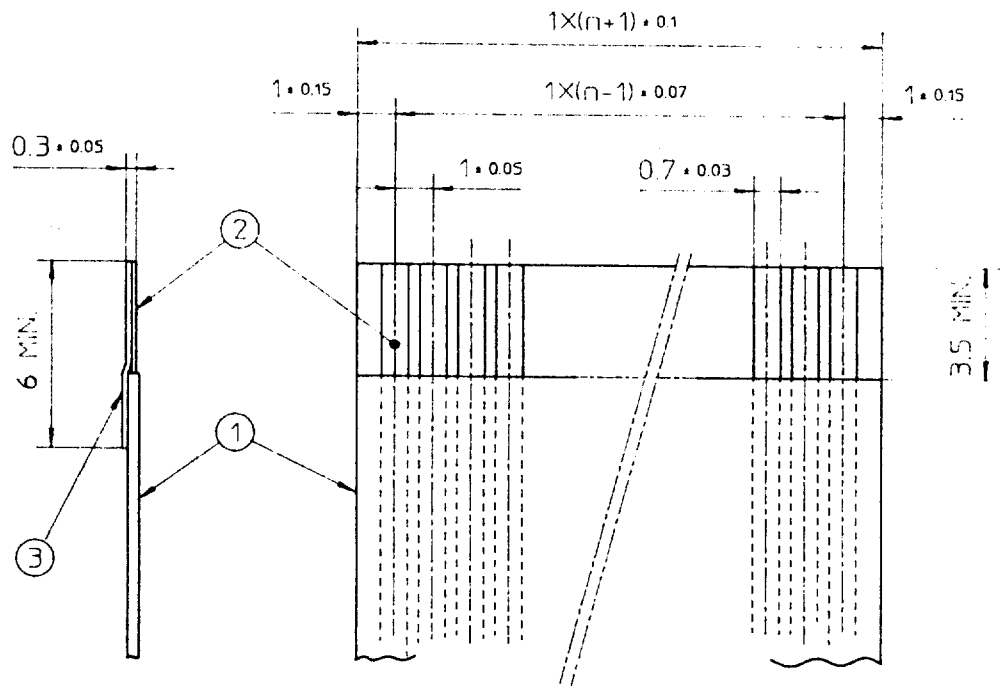
- BASIC PATTERN**: Indicated at the top left.
- NO.1 CONTACT POSITION**: Indicated at the top left, pointing to the first contact.
- FIXING**: Indicated at the top right, pointing to the fixing pin.
- CONNECTOR OUTLINE**: Indicated at the bottom right.
- Dimensions**:
 - Overall length: $1 \times (n-1) \times 0.05$
 - Distance from left edge to first contact: 1×0.05
 - Distance between contacts: 0.6×0.05
 - Distance from last contact to right edge: 0.7×0.05
 - Overall length including fixing: $1 \times (n+1) \times 0.05$
 - Distance from left edge to fixing: 5.5×0.1
 - Distance from left edge to first contact: 3.5×0.1
 - Distance from last contact to right edge: 5.2×0.1
 - Distance from left edge to fixing: $1.5 \times \text{REF.}$
 - Distance from last contact to right edge: 2×0.1
 - Distance from left edge to first contact: $2 \times 0.8 \pm 0.08$
 - Distance between contacts: 1×0.05
 - Distance from last contact to right edge: 0.7×0.05

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPEs WITH HAND SOLDER (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN 2 PORTION DETAILED DRAWING.
3. THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.

REV. DATE DESCRIPTION CKD. MATERIAL	SCALE	N	SURFLOX	
	DIM. IN	mm	CAT. NO.	
	DESIGNED		SPW_R-2HS	
	DRAWN	M. Oka	DRAWING NO.	REV.
	CHECKED		JSA 91668	0
	APPROVED		 FRAMATOME CONNECTORS JAPAN LTD.	
	DATE	June 1 1992		

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	
2	CONDUCTOR	COPPER FOIL	PLATING : TIN OR SOLDER 1μm MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL	

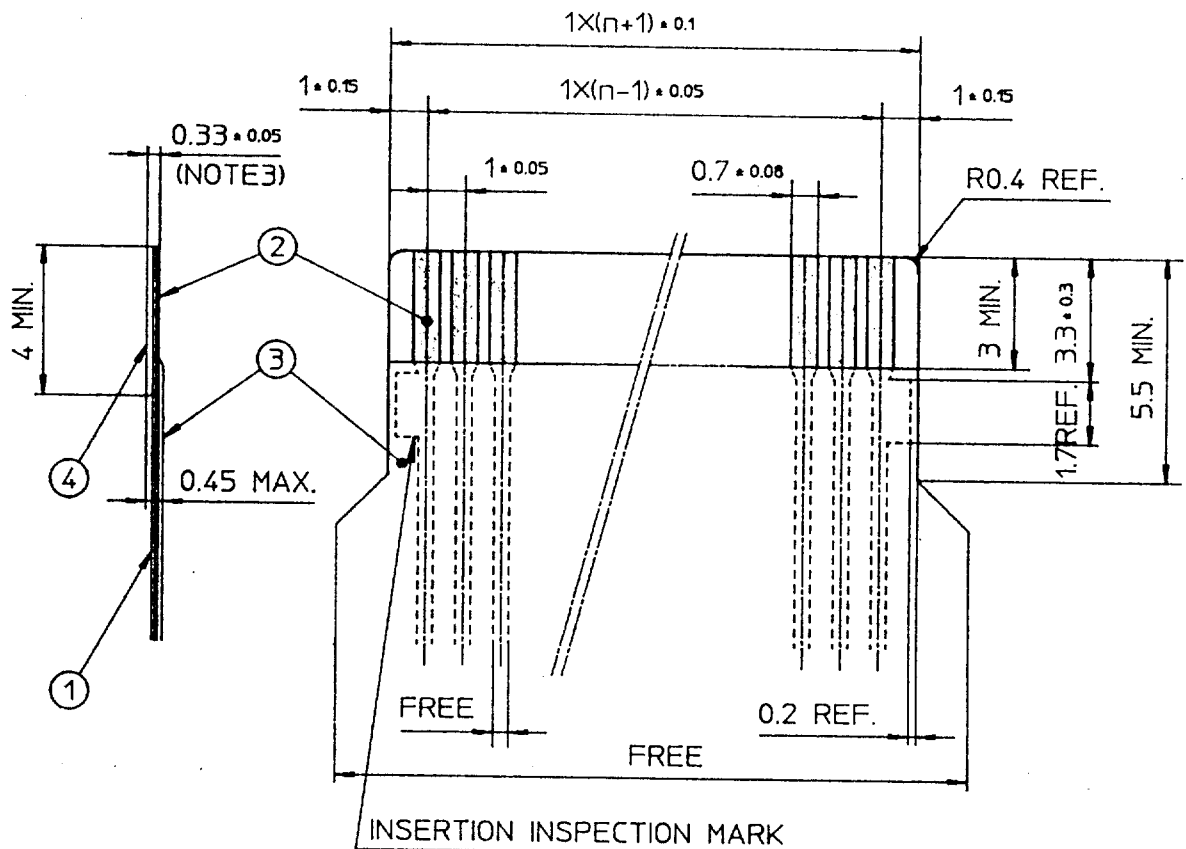
NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.

			SCALE	×	RECOMMENDED CABLE	
			DIM. IN	mm	CAT. NO.	
REV. DATE			DESIGNED		SEWLR-1/2	
			DRAWN	M. 960	DRAWING NO.	
MATERIAL			CHECKED		JSA 91604	
			APPROVED		REV	
			DATE	May. 31, 1992	0	
			FRAMATOME CONNECTORS JAPAN LTD.			

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING : SOLDER 2 μm MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.

				SCALE	X	RECOMMENDED CABLE	
				DIM. IN	mm	CAT. NO.	
1	93 4-12	INSERTION INSPECTION MARK ADDED.	A.U. S.I.	DESIGNED		SFW__R-1/2__	
REV.	DATE	DESCRIPTION	CKD.	DRAWN	M. Oba	DRAWING NO.	REV.
MATERIAL				CHECKED	S. Ito	JSA 91605	1
				APPROVED	J. Kobayashi	FRAMATOME CONNECTORS JAPAN LTD.	
				DATE	March 31, 1992		