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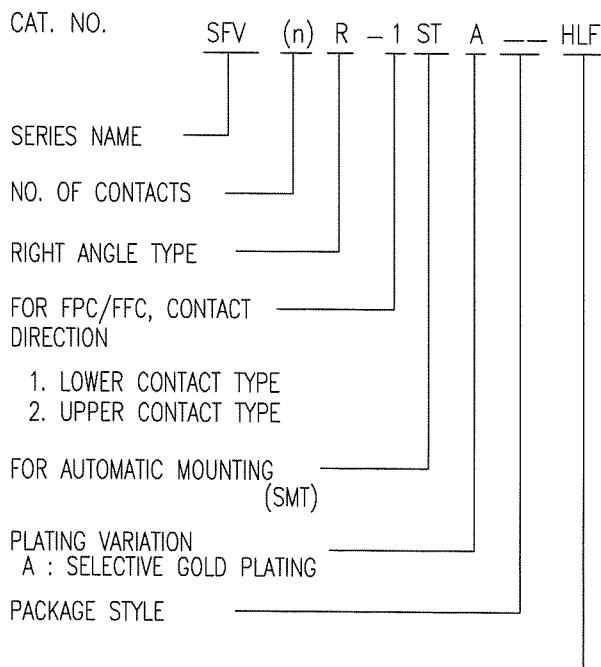
List of "SFV__R-1/2STAE1HLF" customer document

DOCUMENT NO.	LIST
SC-SFV08	SPEC.
10117077 Sheet2	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1/2STA_HLF)
10117077 Sheet3	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV_R-1STA_HLF)
10117077 Sheet4	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV_R-2STA_HLF)
10117077 Sheet5	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1/2STA1HLF)
10117077 Sheet6	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1STA1HLF)
10117077 Sheet7	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-2STA1HLF)
10117077 Sheet8	RECOMMENDED CABLE (FPC) (SFV_R-1/2STA_HLF)
10117077 Sheet9	RECOMMENDED CABLE (FFC) (SFV_R-1/2STA_HLF)
BJM-SFV101	HANDLING PROCEDURES

mat'l. code				surface		tolerance		projection		product family		CODE		
				ISO 1302		ISO 406 ISO 1101						58EF	JP	
ltr	ecn no	dr	date		tolerances unless otherwise specified						title			
A	J11-0017	S.W	2011-1-20		angles		linear				0.5mm SPACING FPC CONNECTOR			
													DOCUMENT LIST	
											(Cat. No. : SFV__R-1/2STAE1HLF)			
				dr	<i>S. Vothler</i>		2011-1-20				dwg no		sheet 1 of 9	size
				engr	<i>S. Vothler</i>		2011-1-20				10117077			A4
				chr	<i>K. Koenig</i>		2011-1-20							
				appd	<i>M. M.</i>		Jan 24/11							
sheet index	revision	A	A	A	A	A	A	A	A				Rev. A	
sheet		1	2	3	4	5	6	7	8	9				

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.1	D ± 0.1
4	SFV4R-1/2STA_HLF	7.5	5.9	1.5	2.7
5	SFV5R-1/2STA_HLF	8.0	6.4	2.0	3.2
6	SFV6R-1/2STA_HLF	8.5	6.9	2.5	3.7
7	SFV7R-1/2STA_HLF	9.0	7.4	3.0	4.2
8	SFV8R-1/2STA_HLF	9.5	7.9	3.5	4.7
9	SFV9R-1/2STA_HLF	10.0	8.4	4.0	5.2
10	SFV10R-1/2STA_HLF	10.5	8.9	4.5	5.7
11	SFV11R-1/2STA_HLF	11.0	9.4	5.0	6.2
12	SFV12R-1/2STA_HLF	11.5	9.9	5.5	6.7
13	SFV13R-1/2STA_HLF	12.0	10.4	6.0	7.2
14	SFV14R-1/2STA_HLF	12.5	10.9	6.5	7.7
15	SFV15R-1/2STA_HLF	13.0	11.4	7.0	8.2
16	SFV16R-1/2STA_HLF	13.5	11.9	7.5	8.7
17	SFV17R-1/2STA_HLF	14.0	12.4	8.0	9.2
18	SFV18R-1/2STA_HLF	14.5	12.9	8.5	9.7
19	SFV19R-1/2STA_HLF	15.0	13.4	9.0	10.2
20	SFV20R-1/2STA_HLF	15.5	13.9	9.5	10.7
21	SFV21R-1/2STA_HLF	16.0	14.4	10.0	11.2
22	SFV22R-1/2STA_HLF	16.5	14.9	10.5	11.7
23	SFV23R-1/2STA_HLF	17.0	15.4	11.0	12.2
24	SFV24R-1/2STA_HLF	17.5	15.9	11.5	12.7
25	SFV25R-1/2STA_HLF	18.0	16.4	12.0	13.2
26	SFV26R-1/2STA_HLF	18.5	16.9	12.5	13.7
27	SFV27R-1/2STA_HLF	19.0	17.4	13.0	14.2
28	SFV28R-1/2STA_HLF	19.5	17.9	13.5	14.7
29	SFV29R-1/2STA_HLF	20.0	18.4	14.0	15.2
30	SFV30R-1/2STA_HLF	20.5	18.9	14.5	15.7
31	SFV31R-1/2STA_HLF	21.0	19.4	15.0	16.2
32	SFV32R-1/2STA_HLF	21.5	19.9	15.5	16.7
33	SFV33R-1/2STA_HLF	22.0	20.4	16.0	17.2
34	SFV34R-1/2STA_HLF	22.5	20.9	16.5	17.7
35	SFV35R-1/2STA_HLF	23.0	21.4	17.0	18.2



NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

mat'l. code				surface		tolerance		projection	product family	58EF	CODE JP	
ltr	ecn no	dr	date	ISO 1302		ISO 406	ISO 1101					
				tolerances unless otherwise specified								
				angles		linear						
				dr	S. Watanabe		2011-1-20					
				engr	S. Watanabe		2011-1-20					
				chr	Y. Kamada		2011-1-20					
				appd	M. Goto		Jan 24/11					
sheet index		revision sheet										

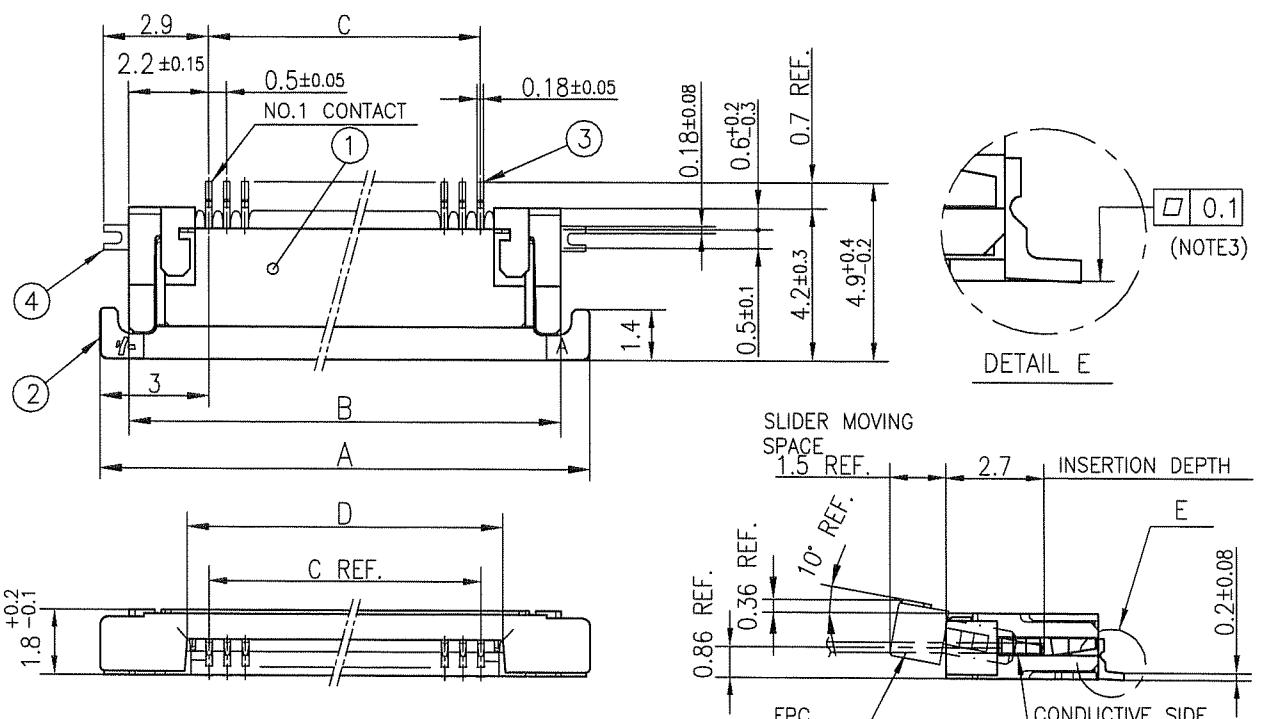
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dwg no sheet 2 of 9 size A4

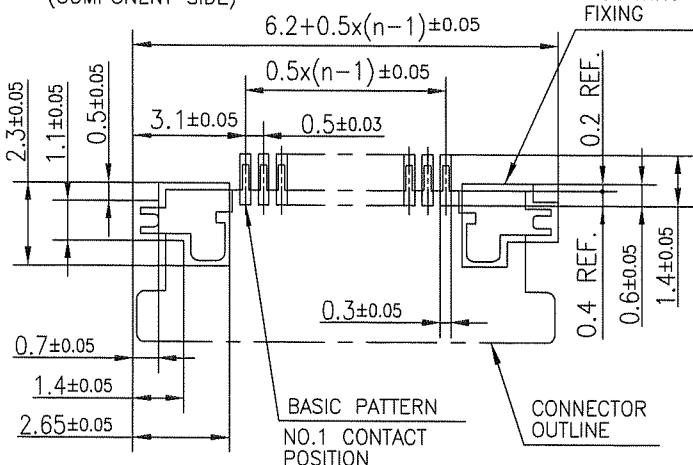
type Product Customer Drawing

Rev. A



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : CONTACT AREA GOLD TERMINAL AREA MATTE TIN
4	MOUNTING PLATE		2	PLATING : MATTE TIN

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE) PATTERN FOR MOUNTING PLATE FIXING



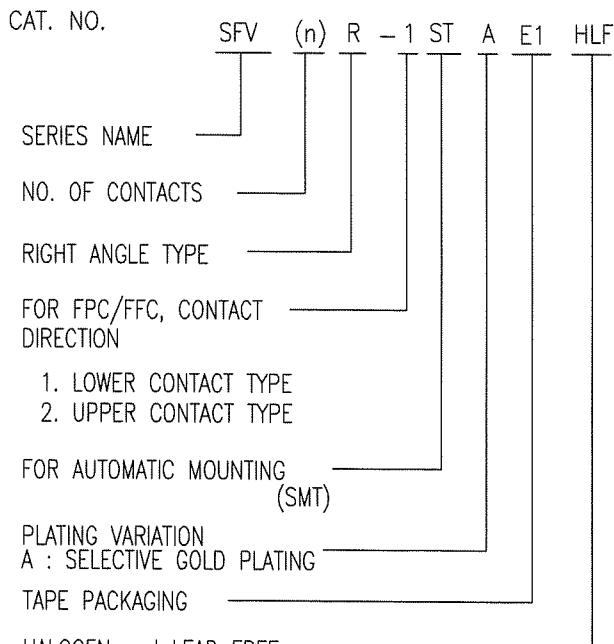
NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
3. FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

mat'l. code				surface	tolerance	projection	product family	58EF	CODE
Ltr	ecn no	dr	date	ISO 1302	✓	ISO 406 ISO 1101			JP
				tolerances unless otherwise specified					
A				angles	±0.2				
				linear		mm			
						scale	X		
		dr	S. Wettler	2011-1-20					
		engr	S. Wettler	2011-1-20					
		chr	Z. Pernica	2011-1-20					
		appd	J. Cerny	Jun 24 '11					
sheet		revision							
index		sheet							

CAT. NO. & DIMENSIONS

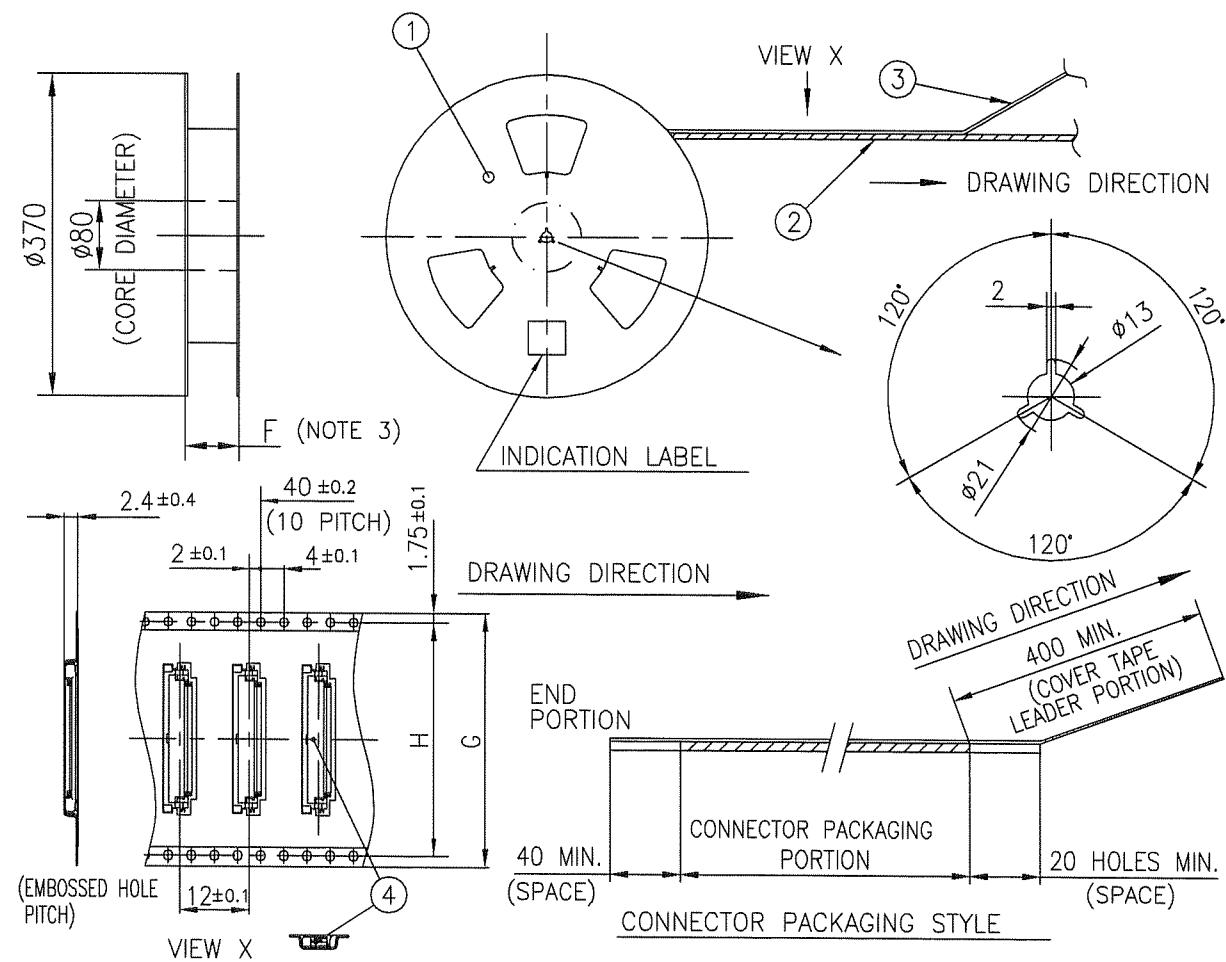
NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV4R-1/2STAE1HLF	20.4	16	—
5	SFV5R-1/2STAE1HLF	20.4	16	—
6	SFV6R-1/2STAE1HLF	20.4	16	—
7	SFV7R-1/2STAE1HLF	28.4	24	—
8	SFV8R-1/2STAE1HLF	28.4	24	—
9	SFV9R-1/2STAE1HLF	28.4	24	—
10	SFV10R-1/2STAE1HLF	28.4	24	—
11	SFV11R-1/2STAE1HLF	28.4	24	—
12	SFV12R-1/2STAE1HLF	28.4	24	—
13	SFV13R-1/2STAE1HLF	28.4	24	—
14	SFV14R-1/2STAE1HLF	28.4	24	—
15	SFV15R-1/2STAE1HLF	28.4	24	—
16	SFV16R-1/2STAE1HLF	28.4	24	—
17	SFV17R-1/2STAE1HLF	28.4	24	—
18	SFV18R-1/2STAE1HLF	28.4	24	—
19	SFV19R-1/2STAE1HLF	28.4	24	—
20	SFV20R-1/2STAE1HLF	28.4	24	—
21	SFV21R-1/2STAE1HLF	28.4	24	—
22	SFV22R-1/2STAE1HLF	28.4	24	—
23	SFV23R-1/2STAE1HLF	36.4	32	28.4
24	SFV24R-1/2STAE1HLF	36.4	32	28.4
25	SFV25R-1/2STAE1HLF	36.4	32	28.4
26	SFV26R-1/2STAE1HLF	36.4	32	28.4
27	SFV27R-1/2STAE1HLF	36.4	32	28.4
28	SFV28R-1/2STAE1HLF	36.4	32	28.4
29	SFV29R-1/2STAE1HLF	36.4	32	28.4
30	SFV30R-1/2STAE1HLF	36.4	32	28.4
31	SFV31R-1/2STAE1HLF	48.4	44	40.4
32	SFV32R-1/2STAE1HLF	48.4	44	40.4
33	SFV33R-1/2STAE1HLF	48.4	44	40.4
34	SFV34R-1/2STAE1HLF	48.4	44	40.4
35	SFV35R-1/2STAE1HLF	48.4	44	40.4



NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS F~H.

mat'l. code		surface		tolerance	projection	product family	58EF	CODE JP	
ltr	ecn no	dr	date	ISO 1302 ✓ ISO 406 ISO 1101					
				tolerances unless otherwise specified		mm			
A		angles	linear						
				dr	S. Vithal	2011-1-20	dwg no	sheet 5 of 9	size
				engr	S. Vithal	2011-1-20			
				chr	S. Vithal	2011-1-20			
				appd	M. G. M.	Jan 24/11			
sheet		revision							Rev. A
index		sheet							

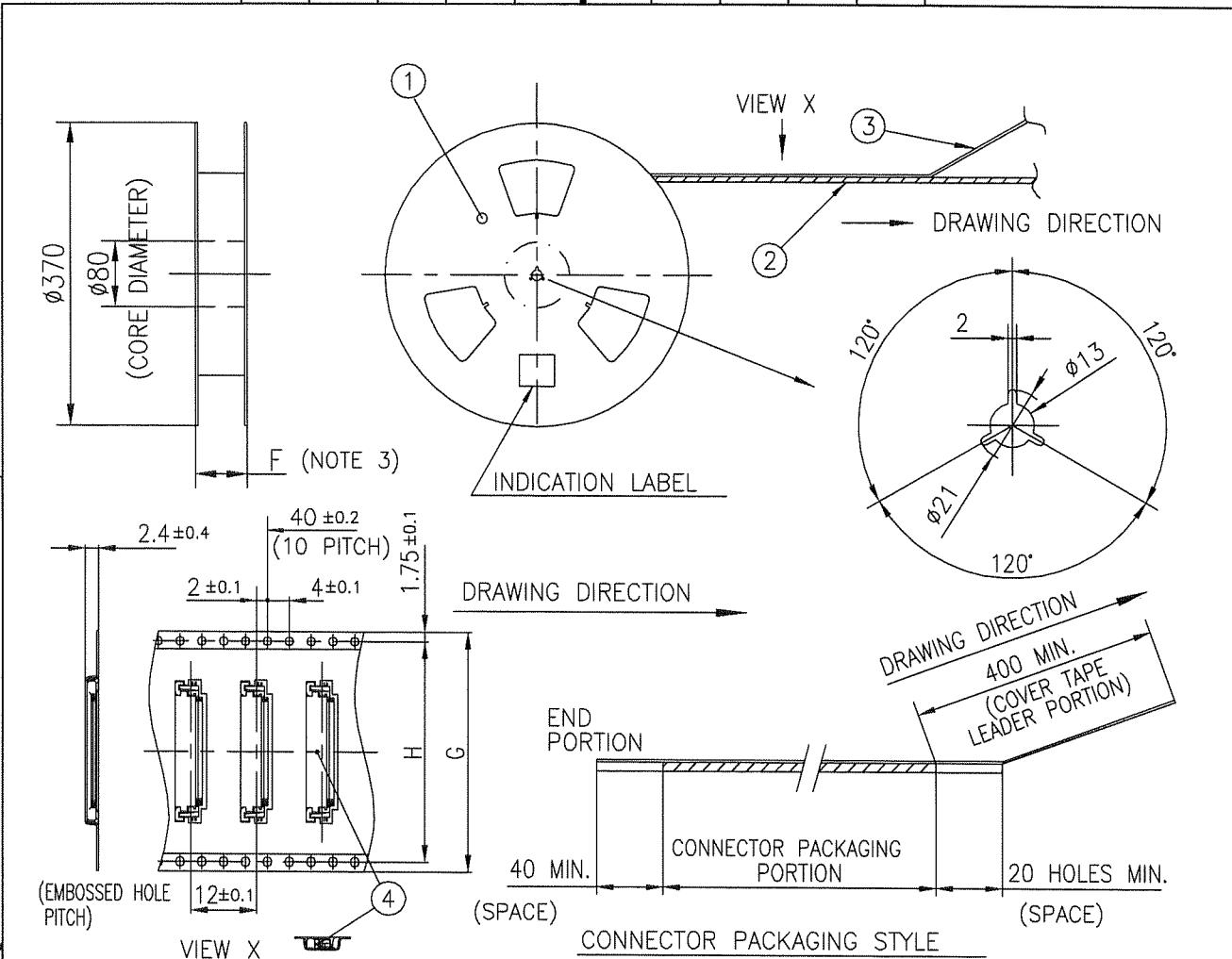


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	—	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	—	COLOR : TRANSPARENCY
4	CONNECTOR	SFV_R-1STA_HLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
3. F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface 58 ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58EF	CODE JP
ltr	ecn	no	dr	date	tolerances unless otherwise specified			title	
A					angles ±5°	linear		PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV_R-1STA1HLF)	
					±5°		mm		
					dr	S. Weller	2011-1-20		
					engr	S. Weller	2011-1-20		
					chr	Z. Zamora	2011-1-20		
					appd	M. Cim	JM2011		
sheet		revision						dwg no	
index		sheet						sheet 6 of 9	
								size	
								A4	
								type	
								Product Customer Drawing	
								Rev.	
								A	



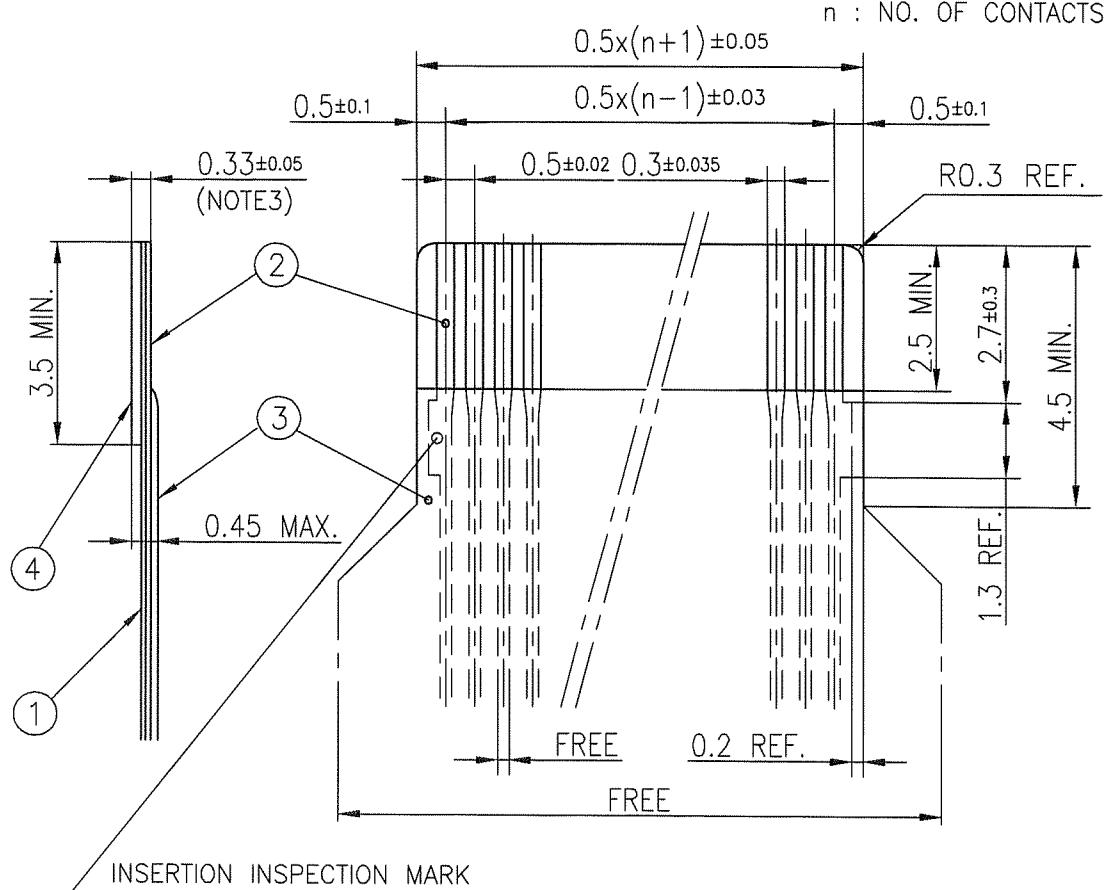
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV_R-2STA_HLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
3. F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface	tolerance	projection	product family	58EF	CODE
ltr	ecn no	dr	date	ISO 1302	✓	ISO 406 ISO 1101			JP
				tolerances	unless otherwise specified				
A				angles		±5			
					linear				
				±5°					
				dr	S. Watanabe	2011-1-20	title	PLASTIC TAPE PACKAGED	
				engr	S. Watanabe	2011-1-20		0.5 mm CONTACT SPACING CONNECTOR	
				chr	Y. Tomita	2011-1-20		(Cat. No. : SFV_R-2STA1HLF)	
				appd	M. Kim	Jan 2011	dwg no	sheet 7 of 9	
								10117077	size A4
sheet	revision						type	Product Customer Drawing	
index	sheet								Rev. A

RECOMMENDED CABLE (FPC)



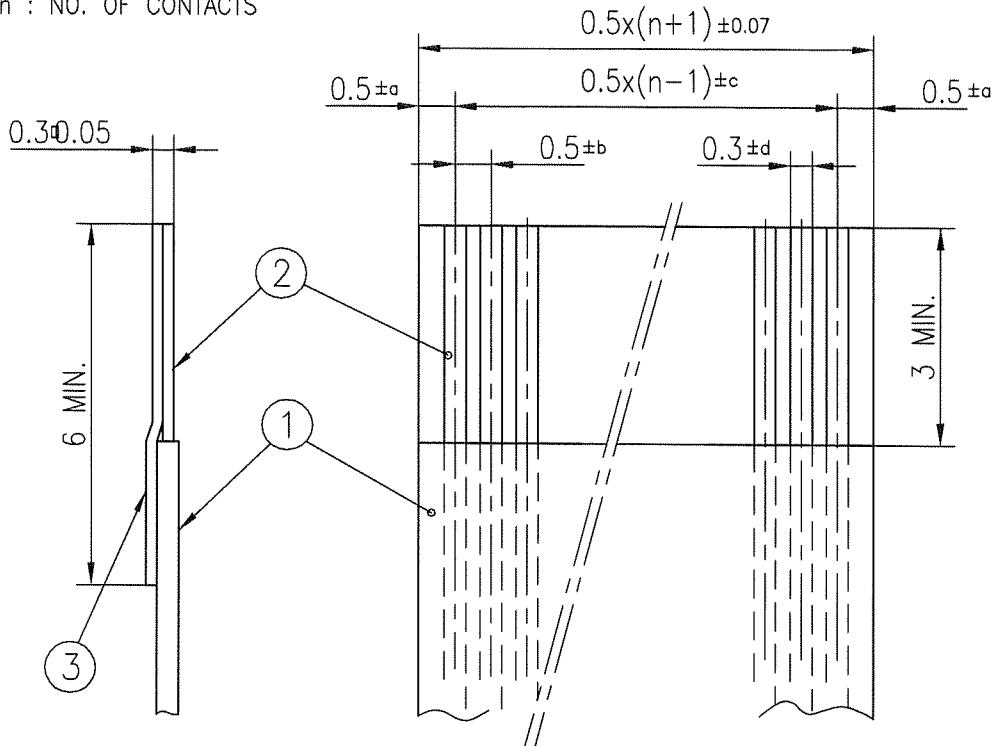
PT. NO.	PARTS NAME	MATERIAL	THICKNESS (㎛)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING : GOLD)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

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.

RECOMMENDED CABLE (FFC)

n : NO. OF CONTACTS



KIND OF FFC (NOTE3)	DIMENSIONAL TOLERANCE			
	a	b	c	d
1	±0.07	±0.04	±0.05	±0.02
2	±0.1	±0.03	±0.03	±0.025

PT. NO.	PARTS NAME	MATERIAL
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL
2	CONDUCTOR	COPPER FOIL (PLATING : GOLD)
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL TOLERANCE a,b,c AND d.

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58EF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A				angles	linear		RECOMMENDED CABLE (Cat. No. : SFV_R-1/2STA_HLF)		
				dr	S. Kishida	2011-1-20	dwg no	sheet 9 of 9	size
				engr	S. Kishida	2011-1-20	101117077		A4
				chr	S. Kishida	2011-1-20			
				appd	AMC/MLW	Jan 24/11			
sheet index		revision sheet					type Product Customer Drawing		