



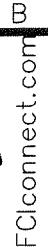
Copyright FCI.

A

B

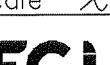
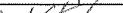
1

4



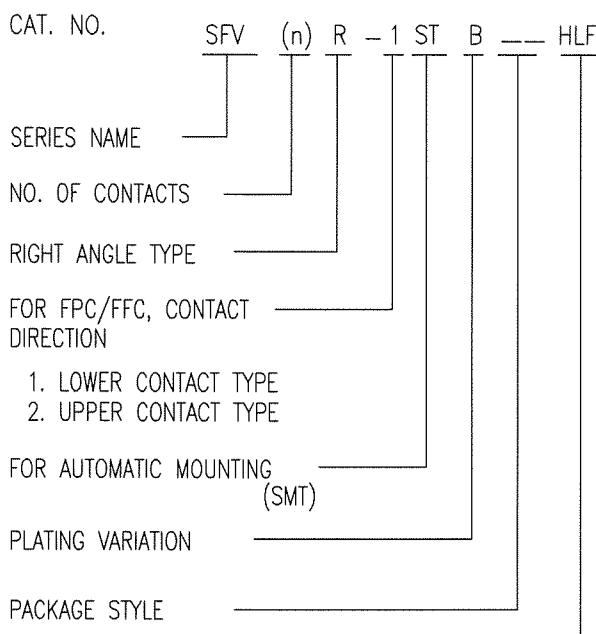
List of "SFV\_R-1/2STBE1HLF" customer document

DOCUMENT NO.	LIST
SC-SFV08	SPEC.
JSA 97501	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1/2STB_HLF)
JSA 97502	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV_R-1STB_HLF)
JSA 97503	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV_R-2STB_HLF)
JSA 97504	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1/2STBE1HLF)
JSA 97505	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1STBE1HLF)
JSA 97506	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-2STBE1HLF)
JSA96019	RECOMMENDED CABLE (FPC) (SFV_R-1/2ST_LF)
JSA97202	RECOMMENDED CABLE (FFC) (SFV_R-1/2ST_--)
BUM-SFV101	HANDLING PROCEDURES

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		 mm	title	0.5mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-1/2STBE1HLF)	
A	J09-0075	S.W	'09/2/19	angles	linear				
						scale 			
				dr 	2009-2-19		dwg no	sheet 1 of 1	size
				engr 	2009-2-19		JSA 97500		A4
				chr 	2009-2-19				
				appd 	2009-2-19		type Product Customer Drawing		
sheet index	revision	A							Rev. A
sheet	sheet	1							

## CAT. NO. &amp; DIMENSIONS

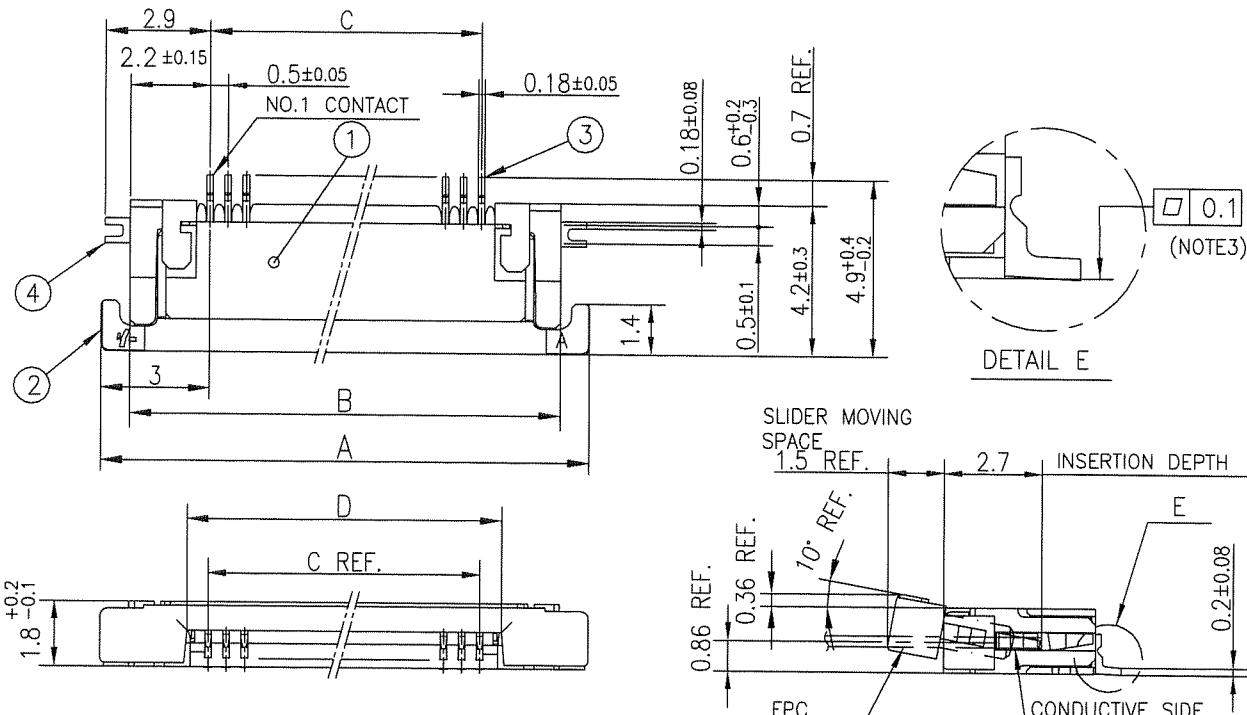
NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.1	D ± 0.1
4	SFV4R-1/2STB_HLF	7.5	5.9	1.5	2.7
5	SFV5R-1/2STB_HLF	8.0	6.4	2.0	3.2
6	SFV6R-1/2STB_HLF	8.5	6.9	2.5	3.7
7	SFV7R-1/2STB_HLF	9.0	7.4	3.0	4.2
8	SFV8R-1/2STB_HLF	9.5	7.9	3.5	4.7
9	SFV9R-1/2STB_HLF	10.0	8.4	4.0	5.2
10	SFV10R-1/2STB_HLF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



## NOTES

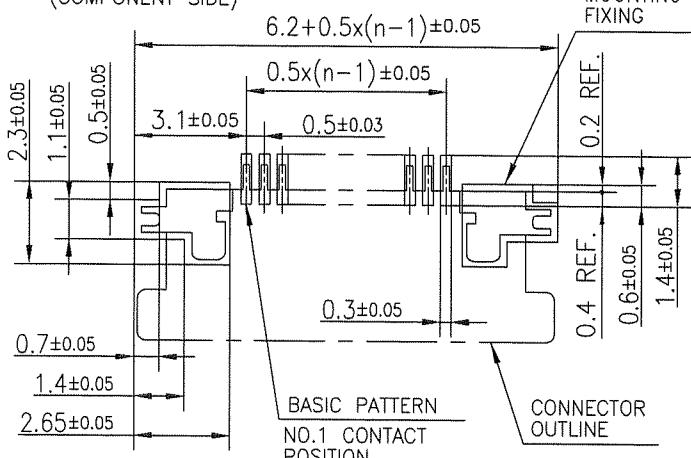
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

mat'l. code				surface	tolerance	projection	product family	58EF	CODE
				ISO 1302 ✓	ISO 406 ISO 1101				JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A	J09-0075	S.W	'09/2/19	angles	linear		CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV_R-1/2STB_HLF)		
							dwg no	sheet 1 of 1	size
				dr	S. Mitha	2009-2-19	JSA 97501		A4
				engr	S. Mitha	2009-2-19			
				chr	N. VAMSHITA	2009-2-19			
				appd	S. Mitha	2009-2-19			
sheet	revision	A							Rev.
index	sheet	1							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 : GOLD
4	MOUNTING PLATE		2	PLATING : LEAD FREE

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)



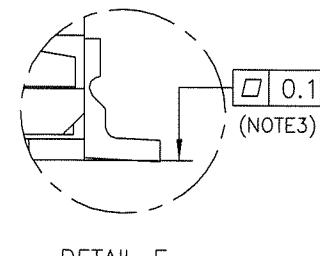
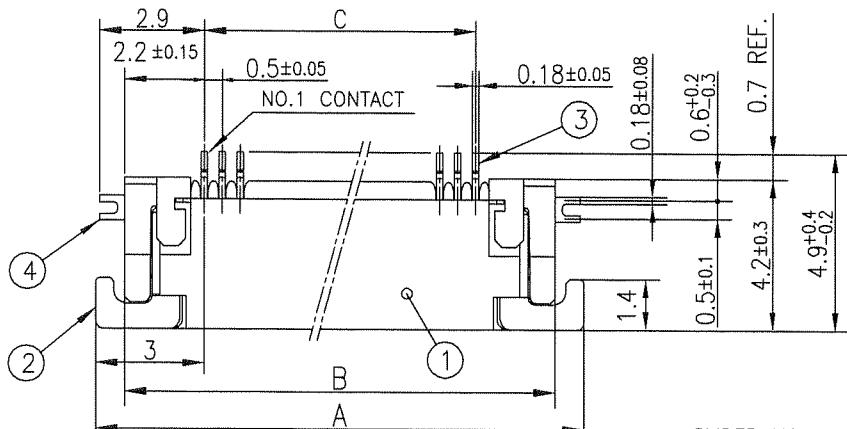
PATTERN FOR  
MOUNTING PLATE  
FIXING

n : NO. OF CONTACTS

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
A	J09-0075	S.W	2009-2-19	tolerances unless otherwise specified		±0.2	mm	title	
B	J10-0245	S.W	2010-9-14	angles	linear			CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat No. : SFV_R-1STB_HLF)	
				dr	S. Nethawat 2010-9-14		dwg no	sheet 1 of 1	
				engr	S. Nethawat 2010-9-14			size	
				chr	M. Bhatia 2010-9-16			JSA 97502	
				appd	M. Bhatia 2010-9-16			A4	
sheet		revision	B					type	
index		sheet	1					Product Customer Drawing	

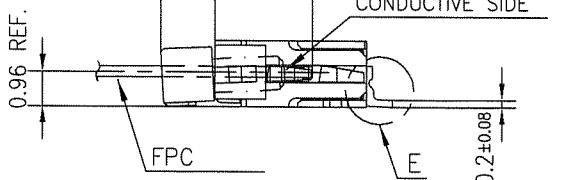


SLIDER MOVING SPACE

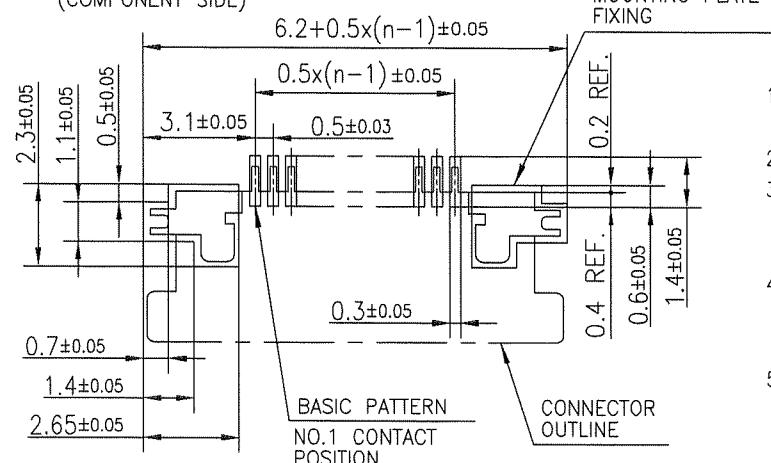
1.4 REF.

INSERTION DEPTH

CONDUCTIVE SIDE



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 : GOLD
4	MOUNTING PLATE		2	PLATING : LEAD FREE

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)

n : NO. OF CONTACTS

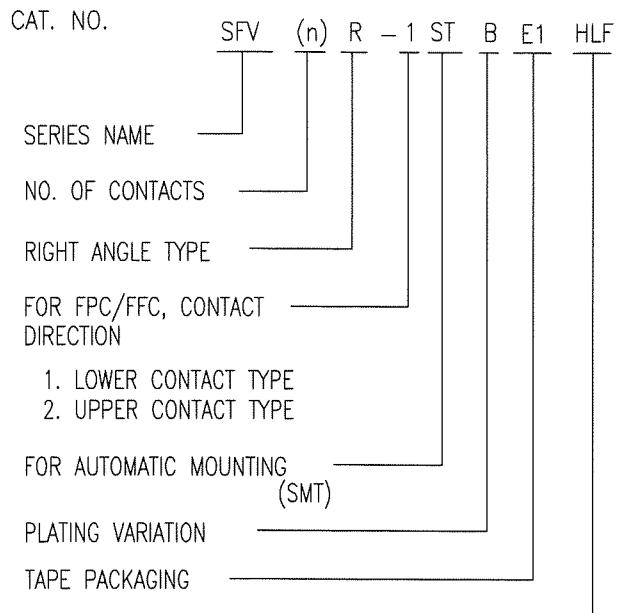
## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS UPPER 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 ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58EF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A	J09-0075	S.W	2009-2-19	angles			CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2STB__HLF)		
B	J10-0245	S.W	2010-9-14	linear					
		dr	S. Mithra	scale			dwg no		
		engr	S. Mithra	mm			sheet 1 of 1		
		chr	M. Yamashita	size			JSA 97503		
		appd	M. Yamashita	A4			type		
sheet		revision	B						
index		sheet	1						

## CAT. NO. &amp; DIMENSIONS

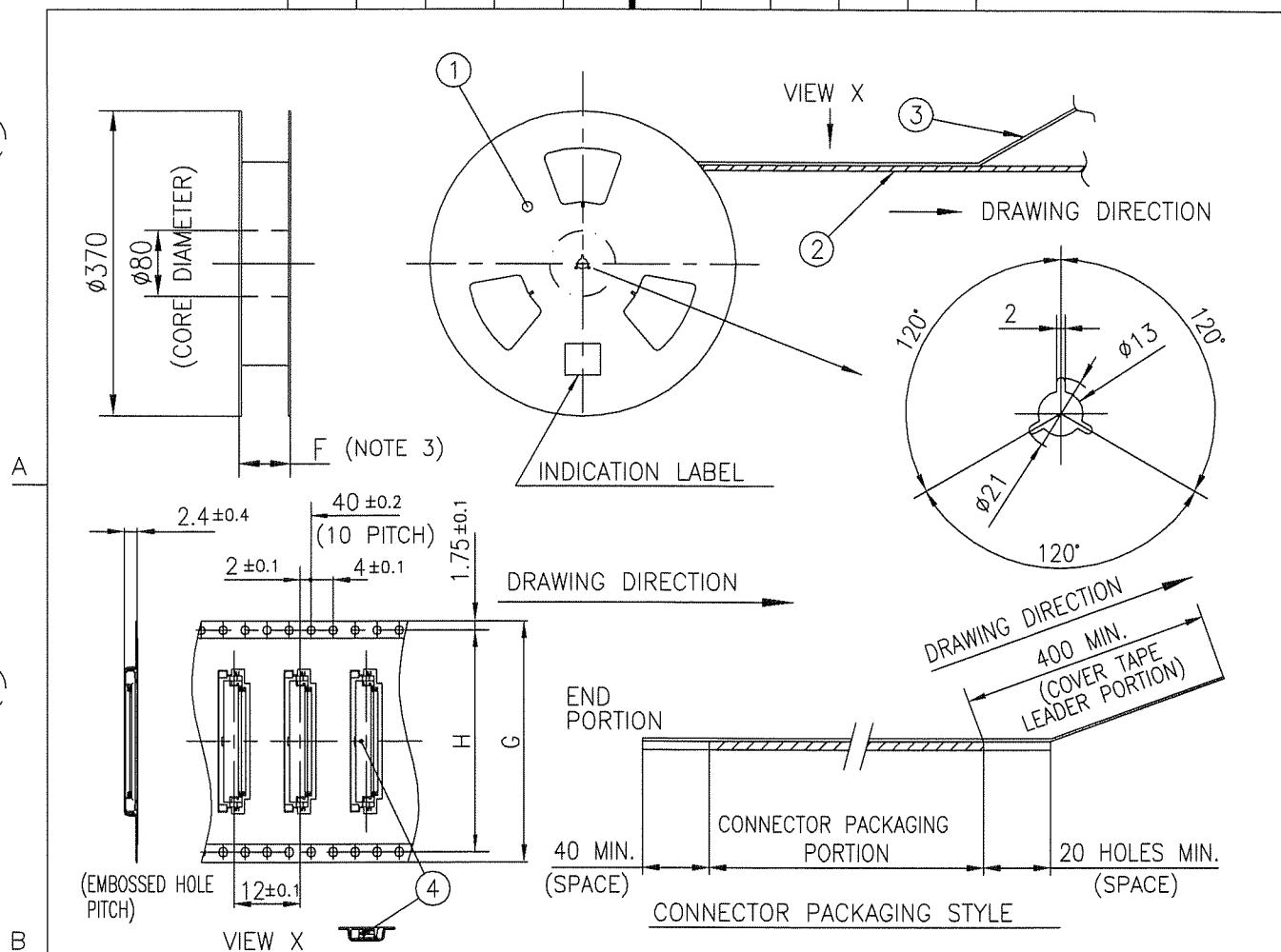
NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV4R-1/2STBE1HLF	20.4	16	—
5	SFV5R-1/2STBE1HLF	20.4	16	—
6	SFV6R-1/2STBE1HLF	20.4	16	—
7	SFV7R-1/2STBE1HLF	28.4	24	—
8	SFV8R-1/2STBE1HLF	28.4	24	—
9	SFV9R-1/2STBE1HLF	28.4	24	—
10	SFV10R-1/2STBE1HLF	28.4	24	—
11	SFV11R-1/2STBE1HLF	28.4	24	—
12	SFV12R-1/2STBE1HLF	28.4	24	—
13	SFV13R-1/2STBE1HLF	28.4	24	—
14	SFV14R-1/2STBE1HLF	28.4	24	—
15	SFV15R-1/2STBE1HLF	28.4	24	—
16	SFV16R-1/2STBE1HLF	28.4	24	—
17	SFV17R-1/2STBE1HLF	28.4	24	—
18	SFV18R-1/2STBE1HLF	28.4	24	—
19	SFV19R-1/2STBE1HLF	28.4	24	—
20	SFV20R-1/2STBE1HLF	28.4	24	—
21	SFV21R-1/2STBE1HLF	28.4	24	—
22	SFV22R-1/2STBE1HLF	28.4	24	—
23	SFV23R-1/2STBE1HLF	36.4	32	28.4
24	SFV24R-1/2STBE1HLF	36.4	32	28.4
25	SFV25R-1/2STBE1HLF	36.4	32	28.4
26	SFV26R-1/2STBE1HLF	36.4	32	28.4
27	SFV27R-1/2STBE1HLF	36.4	32	28.4
28	SFV28R-1/2STBE1HLF	36.4	32	28.4
29	SFV29R-1/2STBE1HLF	36.4	32	28.4
30	SFV30R-1/2STBE1HLF	36.4	32	28.4
31	SFV31R-1/2STBE1HLF	48.4	44	40.4
32	SFV32R-1/2STBE1HLF	48.4	44	40.4
33	SFV33R-1/2STBE1HLF	48.4	44	40.4
34	SFV34R-1/2STBE1HLF	48.4	44	40.4
35	SFV35R-1/2STBE1HLF	48.4	44	40.4



## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPES 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
				ISO 1302		ISO 406 ISO 1101					
ltr	ecn no	dr	date	tolerances unless otherwise specified					title		
A	J09-0075	S.W	'09/2/19	angles	linear			mm	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STBE1HLF)		
								scale			
				dr	S. W. T. 09/2/19				dwg no		
				engr	S. W. T. 09/2/19			mm	sheet 1 of 1		
				chr	H. Y. A. A. T. 09/2/19				size		
				appd	S. C. 09/2/19				A4		
sheet		revision	A						type		
index		sheet	1						Product Customer Drawing		



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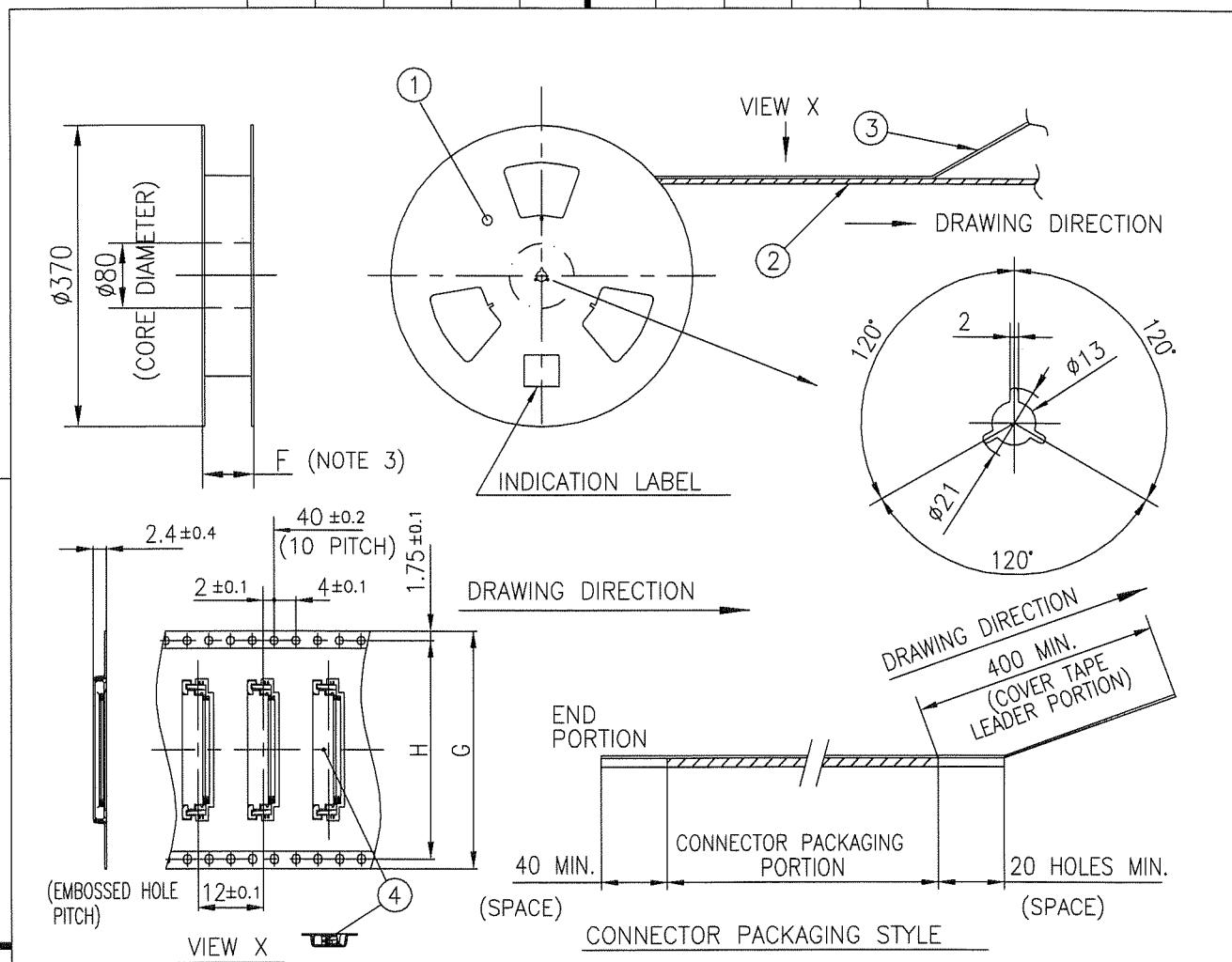
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV_R-1STB_HLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

## 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.

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mat'l. code				surface 58 ISO 1302	tolerance 406 ISO 1101	projection	product family 58EF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
A	J09-0075	S.W	'09/2/19	angles	linear	mm	PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV_R-1STBE1HLF)	
				±5		scale X	dwg no	sheet 1 of 1 size
				±5°			JSA 97505	A4
		dr	S. A. 2009-2-19					
		engr	S. A. 2009-2-19					
		chr	M. YAHIAHITA 2009-2-19					
		appd	S. Chaudhury 2009-2-19					
sheet	revision	A						
index	sheet	1						



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-2STB_HLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE

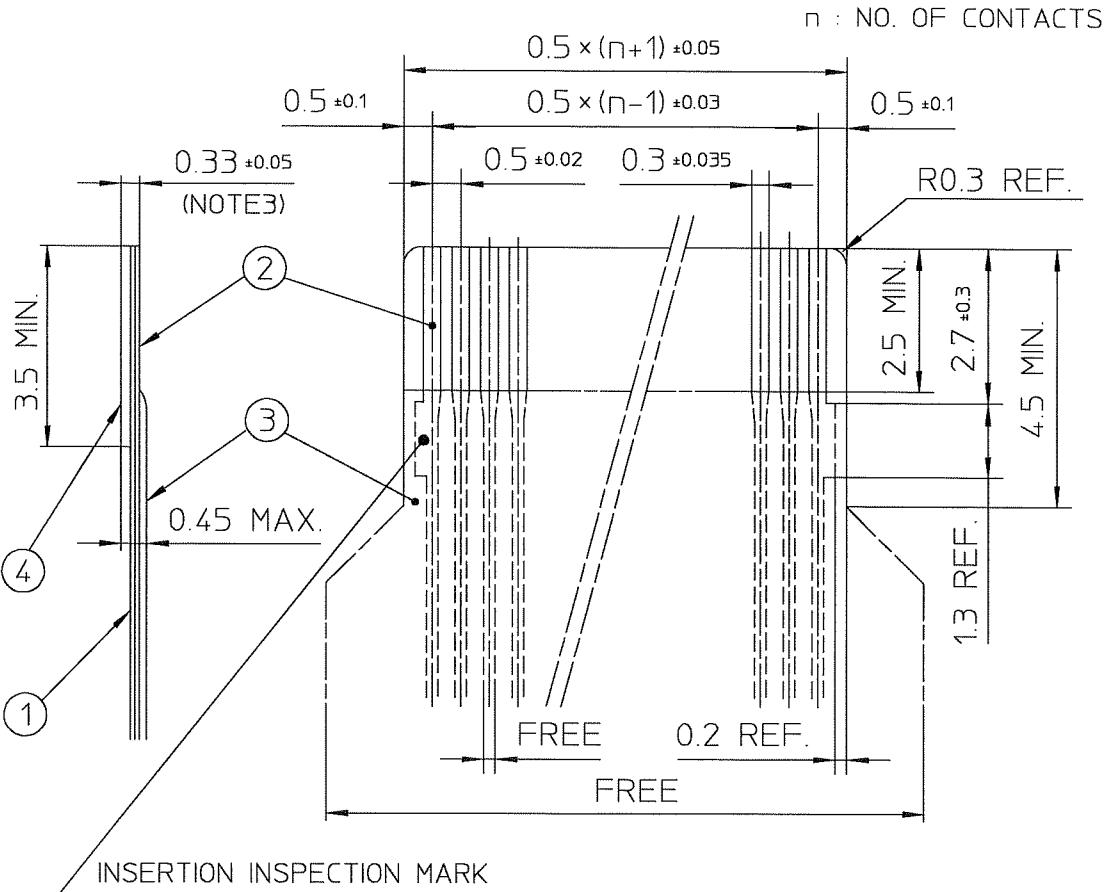
## NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPES 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.

Copyright FCJ

mat'l. code				surface	tolerance	projection	product family	58EF	CODE
Itr	ecn no	dr	date	ISO 1302	ISO 406	ISO 1101	title	JP	
A	J09-0075	S.W	'09/2/19	tolerances unless otherwise specified			PLASTIC TAPE PACKAGED		
				angles	linear	±5	0.5 mm CONTACT SPACING CONNECTOR		
				±5°			(Cat. No. : SFV_R-2STB1HLF)		
		dr				mm			
		engr				scale			
		chr							
		appd							
D	sheet	revision	A				dwg no	sheet 1 of 1	size
	index	sheet	1				JSA 97506		A4

## RECOMMENDED CABLE (FPC)



PT. NO.	PARTS NAME	MATERIAL	THICKNESS(μm)
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

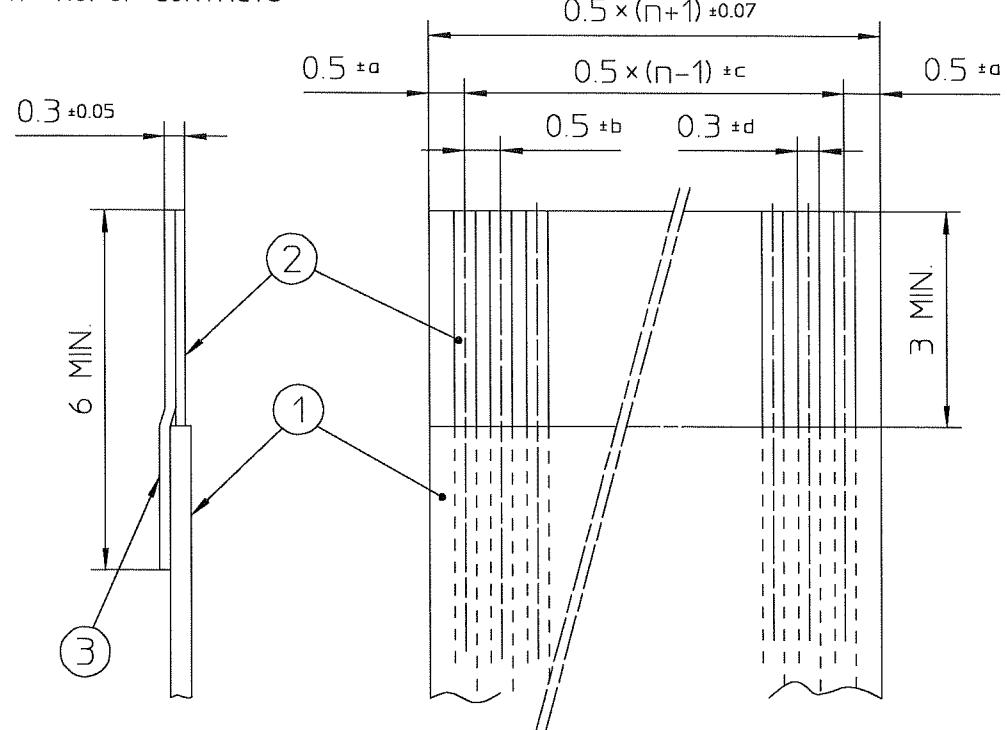
## NOTES

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

mat'l. code				surface	tolerance	projection	product family	58EF
ltr	ecn no	dr	date	ISO 1302	ISO 406 ISO 1101		title	RECOMMENDED CABLE
A	J04-0186	H.T	'04/8/9					(Cat. No. : SFV__R-1/2ST__LF)
B	J04-0454	H.T	'05/2/7	angles	linear			
C	J06-0372	H.T	'06/9/7				scale $\chi$	
				dr	9/7/06		dwg no	sheet 1 of 1
				engr	9/7/06			JSA 96019
				chr	9/8/06		size	A4
				appd	9/11/06		type	Product Customer Drawing
sheet	revision	C						
index	sheet	1						

## 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 tolerance			projection	product family	
ltr	ecn no	dr	date	ISO 1302	✓	ISO 406 ISO 1101		58EF	
A J06-0499 H.T 11/27/06				tolerances unless otherwise specified			angle	title	
				angles	linear		linear		
							scale	RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)	
				dr		11/27/06			
				engr		11/27/06		dwg no	
				chr		11/27/06			
				appd		11/28/06		JSA 97202	size
sheet		revision	A					A4	
index		sheet	1					type Product Customer Drawing	



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## FCI / Amphenol:

[SFV21R-2STBE1HLF](#) [SFV33R-2STBE1HLF](#) [SFV11R-2STBE1HLF](#) [SFV30R-1STBE1HLF](#) [SFV22R-2STBE1HLF](#)  
[SFV8R-1STBE1HLF](#) [SFV31R-2STBE1HLF](#) [SFV27R-2STBE1HLF](#) [SFV7R-1STBE1HLF](#) [SFV10R-2STBE1HLF](#)  
[SFV22R-1STBE1HLF](#) [SFV13R-1STBE1HLF](#) [SFV11R-1STBE1HLF](#) [SFV5R-2STBE1HLF](#) [SFV4R-1STBE1HLF](#)  
[SFV18R-1STBE1HLF](#) [SFV21R-1STBE1HLF](#) [SFV4R-2STBE1HLF](#) [SFV32R-2STBE1HLF](#) [SFV26R-1STBE1HLF](#)  
[SFV9R-1STBE1HLF](#) [SFV16R-1STBE1HLF](#) [SFV32R-1STBE1HLF](#) [SFV17R-1STBE1HLF](#) [SFV19R-2STBE1HLF](#)  
[SFV12R-2STBE1HLF](#) [SFV13R-2STBE1HLF](#) [SFV19R-1STBE1HLF](#) [SFV5R-1STBE1HLF](#) [SFV10R-1STBE1HLF](#)  
[SFV15R-2STBE1HLF](#) [SFV25R-1STBE1HLF](#) [SFV15R-1STBE1HLF](#) [SFV35R-1STBE1HLF](#) [SFV7R-2STBE1HLF](#)  
[SFV6R-1STBE1HLF](#) [SFV31R-1STBE1HLF](#) [SFV27R-1STBE1HLF](#) [SFV8R-2STBE1HLF](#) [SFV23R-2STBE1HLF](#)  
[SFV30R-2STBE1HLF](#) [SFV14R-1STBE1HLF](#) [SFV6R-2STBE1HLF](#) [SFV28R-2STBE1HLF](#) [SFV25R-2STBE1HLF](#)  
[SFV18R-2STBE1HLF](#) [SFV23R-1STBE1HLF](#) [SFV20R-2STBE1HLF](#) [SFV29R-2STBE1HLF](#) [SFV20R-1STBE1HLF](#)  
[SFV29R-1STBE1HLF](#) [SFV28R-1STBE1HLF](#) [SFV34R-2STBE1HLF](#) [SFV33R-1STBE1HLF](#) [SFV35R-2STBE1HLF](#)  
[SFV24R-1STBE1HLF](#) [SFV26R-2STBE1HLF](#) [SFV12R-1STBE1HLF](#) [SFV24R-2STBE1HLF](#) [SFV14R-2STBE1HLF](#)  
[SFV9R-2STBE1HLF](#) [SFV17R-2STBE1HLF](#) [SFV16R-2STBE1HLF](#) [SFV34R-1STBE1HLF](#)