

List of "SFV_R-1/2STBE5HLF" customer document

DOCUMENT NO.	LIST
SC-SFV08	SPEC.
10117738 Sheet2	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1/2STB_HLF)
10117738 Sheet3	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV_R-1STB_HLF)
10117738 Sheet4	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV_R-2STB_HLF)
10117738 Sheet5	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1/2STBE5HLF)
10117738 Sheet6	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-1STBE5HLF)
10117738 Sheet7	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-2STBE5HLF)
10117738 Sheet8	RECOMMENDED CABLE (FPC) (SFV_R-1/2ST_LF)
10117738 Sheet9	RECOMMENDED CABLE (FFC) (SFV_R-1/2ST_LF)
BIM-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		scale	title			
A	J11-0061	S.W	2011-3-8	angles		mm	0.5mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFV_R-1/2STBE5HLF)			
				linear		×				
				dr	S. Weller 2011-3-8					
				engr	S. Weller 2011-3-8					
				chr	S. Weller 2011-3-8					
				appd	M. M. 2011-3-8					
sheet index	revision sheet	A	A	A	A	A	dwg no			
		1	2	3	4	5	6	7	8	
							10117738	sheet 1 of 9		
								size A4		
								type Product Customer Drawing		

CAT. NO. & DIMENSIONS

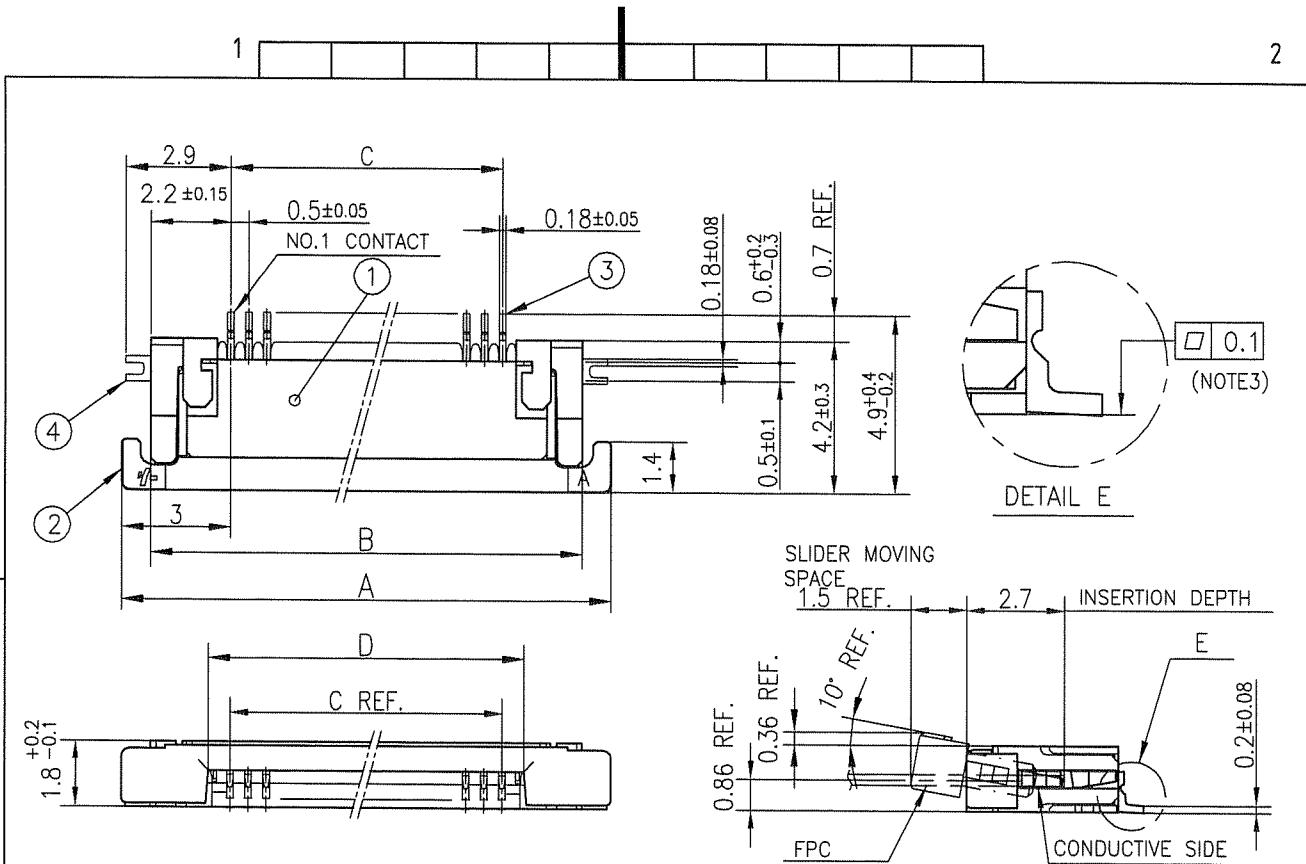
NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE 2)			
		A ± 0.2	B ± 0.2	C ± 0.1	D ± 0.1
4	SFV4R-1/2STB__HLF	7.5	5.9	1.5	2.7
5	SFV5R-1/2STB__HLF	8.0	6.4	2.0	3.2
6	SFV6R-1/2STB__HLF	8.5	6.9	2.5	3.7
7	SFV7R-1/2STB__HLF	9.0	7.4	3.0	4.2
8	SFV8R-1/2STB__HLF	9.5	7.9	3.5	4.7
9	SFV9R-1/2STB__HLF	10.0	8.4	4.0	5.2
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

HALOGEN and LEAD FREE

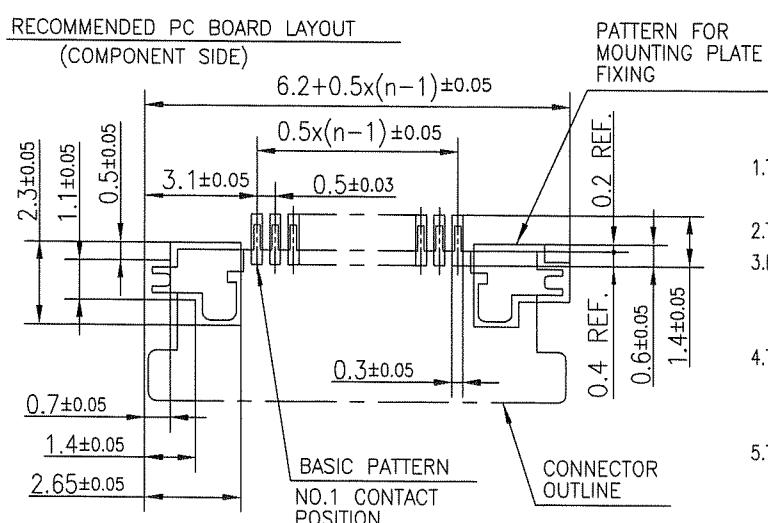
NOTES

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

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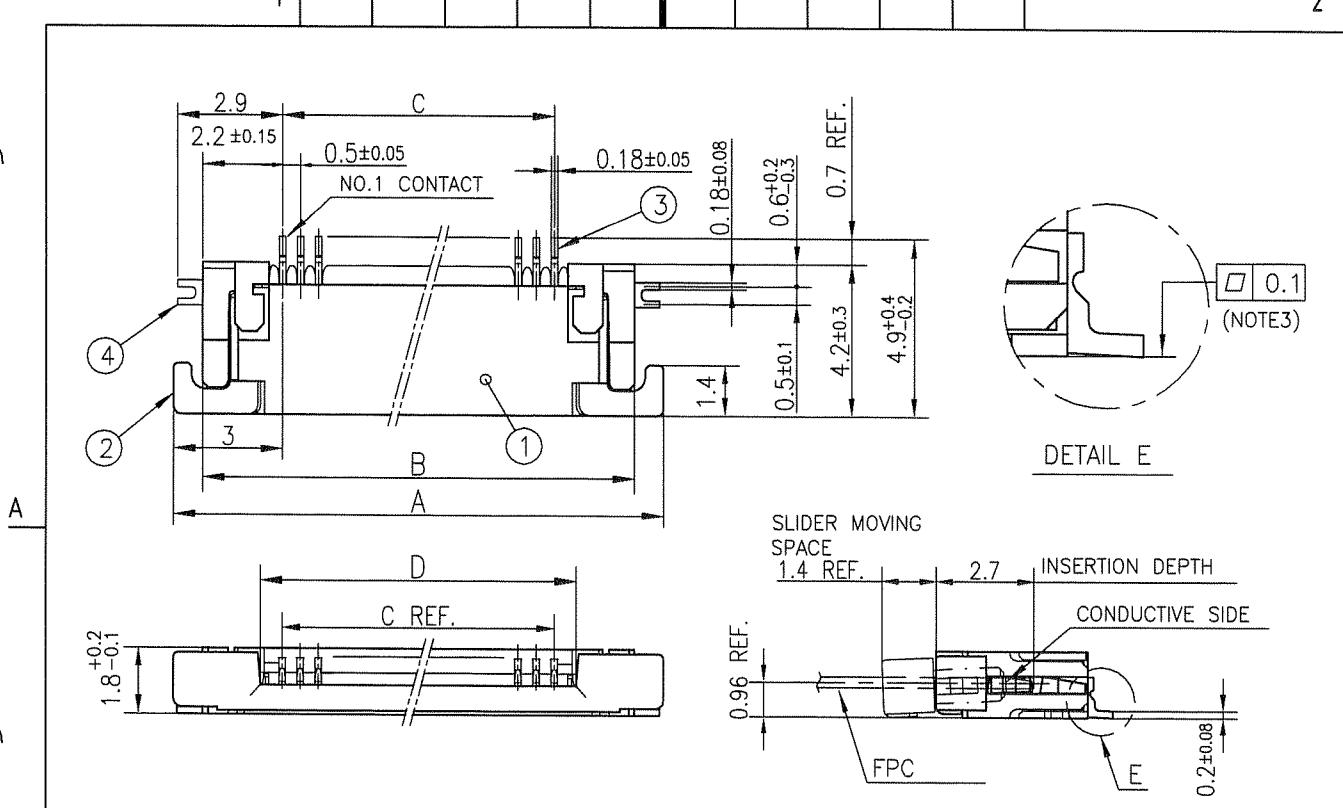


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
		4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)		
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD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



n : NO. OF CONTACTS

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.

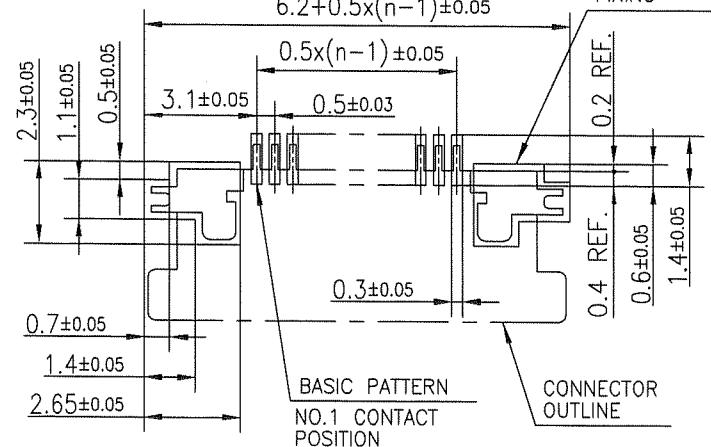


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
		4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)		
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD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

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

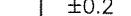
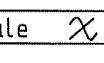
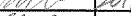
PATTERN FOR
MOUNTING PLATE
FIXING

n : NO. OF CONTACTS



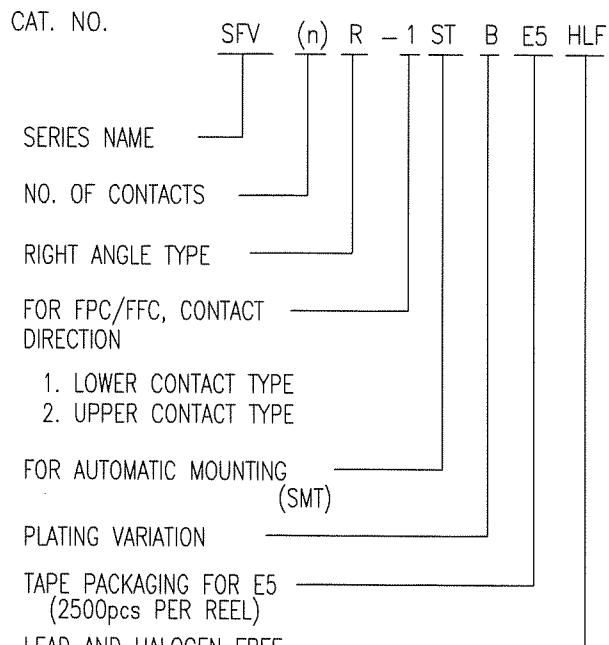
NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS 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		tolerance	projection	product family	58EF	CODE JP
		ISO 1302		ISO 406 ISO 1101		title	CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2STB__HLF)	
ltr	ecn no	dr	date	tolerances unless otherwise specified				
A				angles  linear	±0.2	mm		
						scale		
		dr		2011-3-8		dwg no	sheet 4 of 9	size
		engr		2011-3-8				
		chr		2011-3-8				
		appd		Mar 8/11				
sheet index	revision							Rev. A
	sheet							

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F MAX.	G ± 0.3	H ± 0.1
4	SFV4R-1/2STBE5HLF	22.4	16	—
5	SFV5R-1/2STBE5HLF	22.4	16	—
6	SFV6R-1/2STBE5HLF	22.4	16	—
7	SFV7R-1/2STBE5HLF	30.4	24	—
8	SFV8R-1/2STBE5HLF	30.4	24	—
9	SFV9R-1/2STBE5HLF	30.4	24	—
10	SFV10R-1/2STBE5HLF	30.4	24	—
11	SFV11R-1/2STBE5HLF	30.4	24	—
12	SFV12R-1/2STBE5HLF	30.4	24	—
13	SFV13R-1/2STBE5HLF	30.4	24	—
14	SFV14R-1/2STBE5HLF	30.4	24	—
15	SFV15R-1/2STBE5HLF	30.4	24	—
16	SFV16R-1/2STBE5HLF	30.4	24	—
17	SFV17R-1/2STBE5HLF	30.4	24	—
18	SFV18R-1/2STBE5HLF	30.4	24	—
19	SFV19R-1/2STBE5HLF	30.4	24	—
20	SFV20R-1/2STBE5HLF	30.4	24	—
21	SFV21R-1/2STBE5HLF	30.4	24	—
22	SFV22R-1/2STBE5HLF	30.4	24	—
23	SFV23R-1/2STBE5HLF	38.4	32	28.4
24	SFV24R-1/2STBE5HLF	38.4	32	28.4
25	SFV25R-1/2STBE5HLF	38.4	32	28.4
26	SFV26R-1/2STBE5HLF	38.4	32	28.4
27	SFV27R-1/2STBE5HLF	38.4	32	28.4
28	SFV28R-1/2STBE5HLF	38.4	32	28.4
29	SFV29R-1/2STBE5HLF	38.4	32	28.4
30	SFV30R-1/2STBE5HLF	38.4	32	28.4
31	SFV31R-1/2STBE5HLF	50.4	44	40.4
32	SFV32R-1/2STBE5HLF	50.4	44	40.4
33	SFV33R-1/2STBE5HLF	50.4	44	40.4
34	SFV34R-1/2STBE5HLF	50.4	44	40.4
35	SFV35R-1/2STBE5HLF	50.4	44	40.4

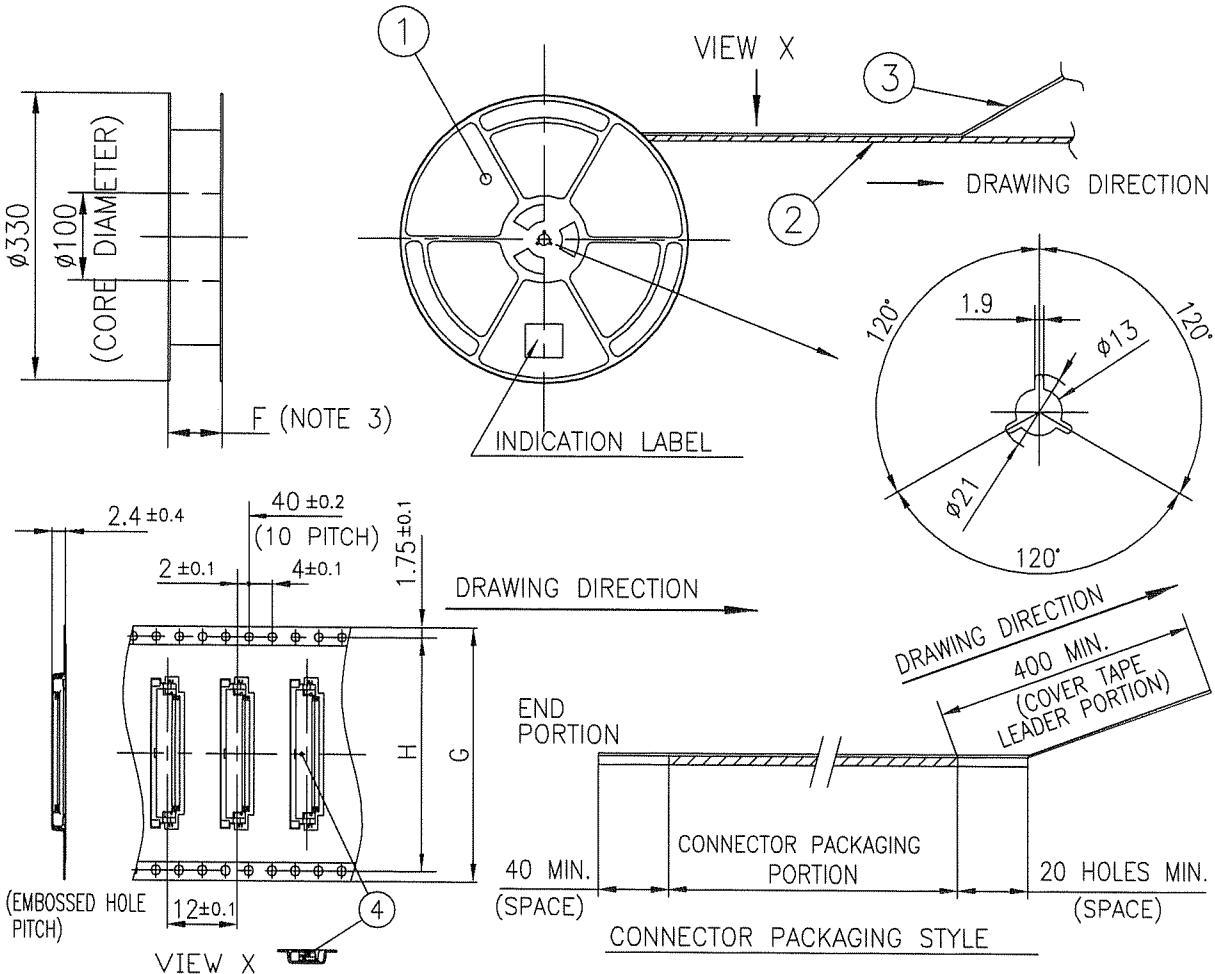


NOTES

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
				ISO 1302	✓ ISO 406 ISO 1101				JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A				angles	linear		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV_R-1/2STBE5HLF)		
				dr	S. Mihal 2011-3-8		dwg no	sheet 5 of 9	size
				engr	S. Mihal 2011-3-8			10117738	A4
				chr	Z. Karam 2011-3-8		type	Product Customer Drawing	
				appd	M. Gao 2011-3-8				
sheet	revision								Rev.
index	sheet								A

TOLERANCES
UNLESS OTHERWISE SPECIFIED : ± 5 , ANGLE $\pm 5^\circ$

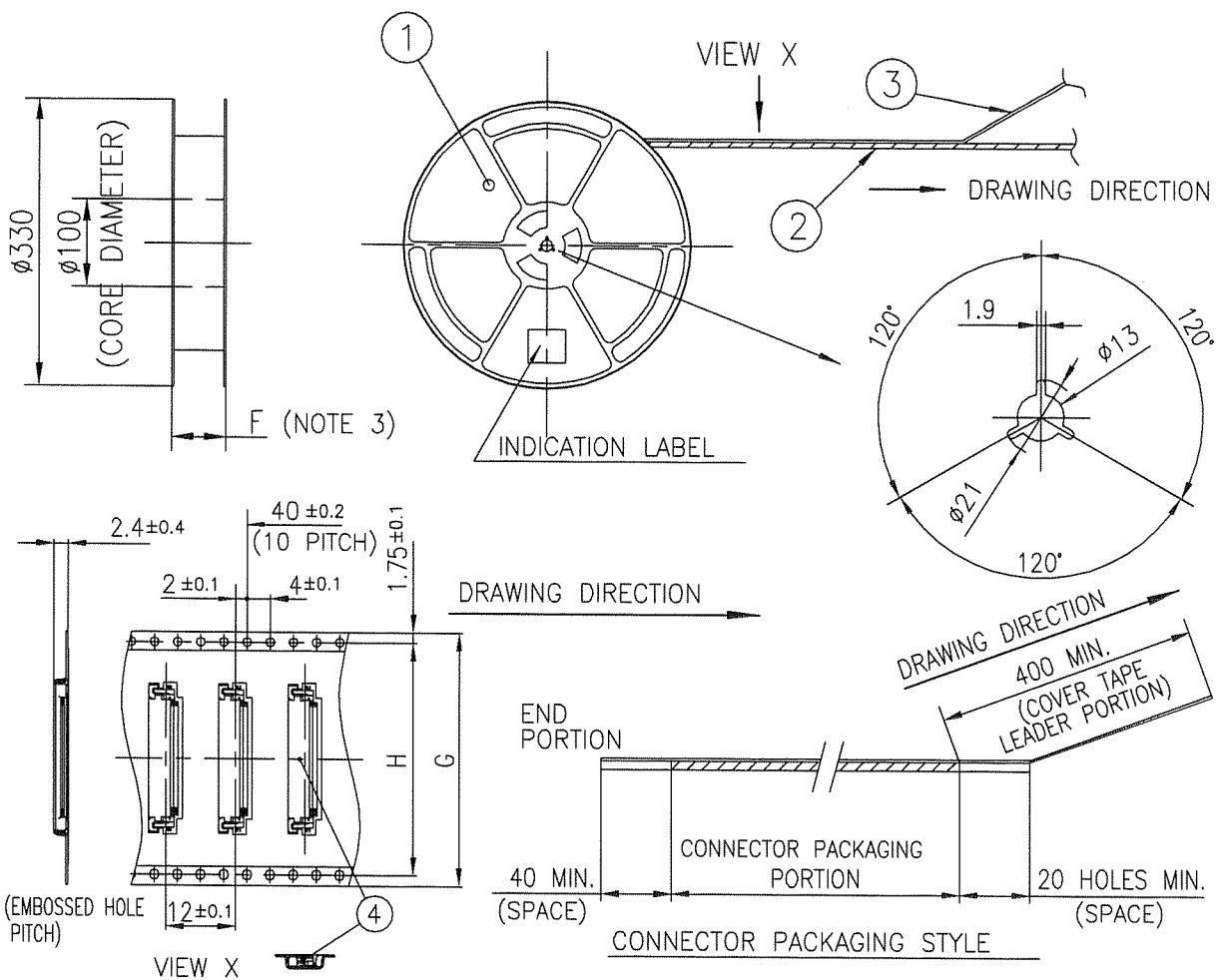


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	—	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	—	COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-1STB__HLF	SEE ATTACHED DWG.	2500	LOWER CONTACT TYPE

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.

TOLERANCES
UNLESS OTHERWISE SPECIFIED : ± 5 , ANGLE $\pm 5^\circ$



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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE		A-PET	—	COLOR : TRANSPARENCY
3	COVER		POLYESTER	—	COLOR : TRANSPARENCY
4	CONNECTOR	SFV_R-2STB_HLF	SEE ATTACHED DWG.	2500	UPPER CONTACT TYPE

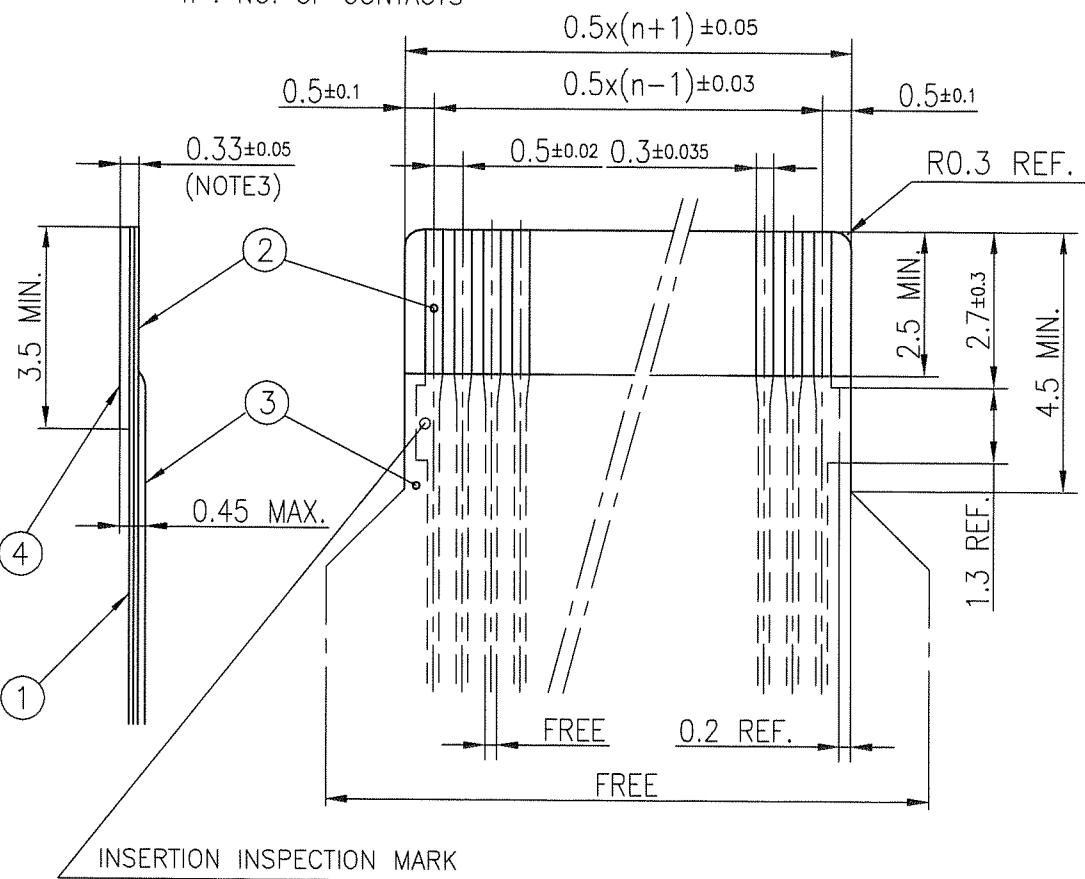
NOTES

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 ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58EF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
				angles	linear		PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV_R-2STBE5HLF)		
				dr	S. Wittenber	2011-3-8			
				engr	S. Wittenber	2011-3-8			
				chr	Bob	2011-3-8			
				appd	M. G.	Mar 8/11			
sheet		revision					dwg no	sheet 7 of 9	size
index		sheet					10117738		A4
type Product Customer Drawing									

RECOMMENDED CABLE (FPC)

n : NO. OF CONTACTS



INSERTION INSPECTION MARK

PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)
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

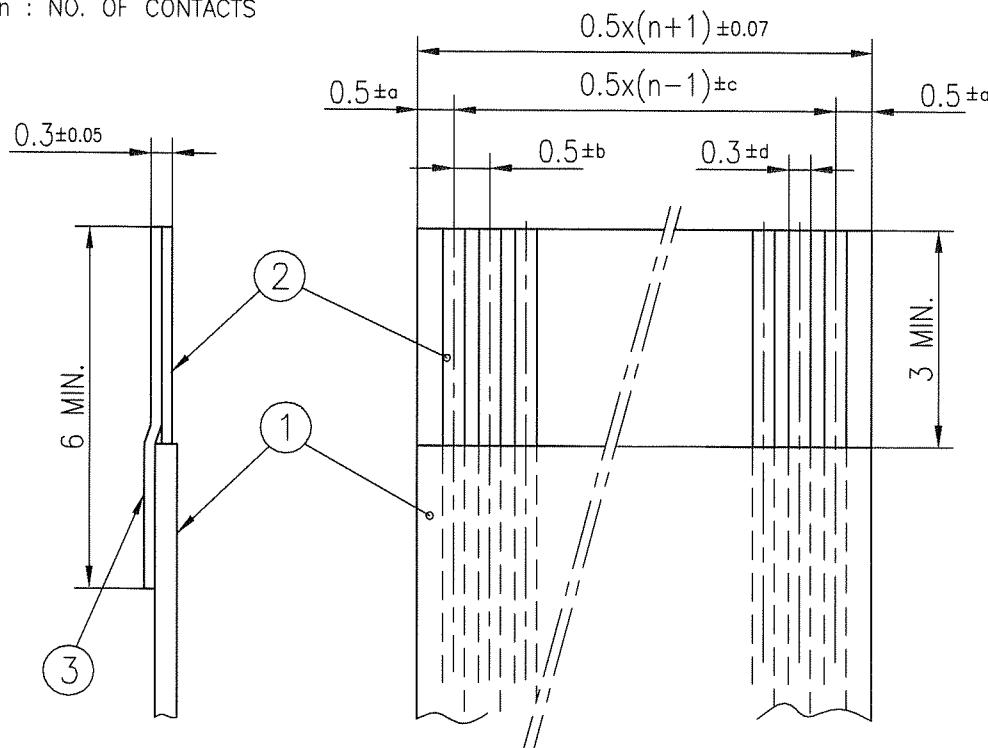
NOTES

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 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			RECOMMENDED CABLE (Cat. No. : SFV_R-1/2ST_LF)		
				linear					
				dr	S-17101-2011-3-8	mm			
				engr	S-17101-2011-3-8	scale			
				chr	S-17101-2011-3-8				
				appd	M-17101-2011-3-8				
sheet index	revision sheet				dwg no			sheet 8 of 9	size
					10117738				A4
type Product Customer Drawing									

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 EQUIVALENT
2	CONDUCTOR	COPPER FOIL (PLATING : GOLD)
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT

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 RECOMMENDED CABLE (Cat. No. : SFV_R-1/2ST_LF)		
				angles	linear				
							scale	X	
		dr	S. White	2011-3-8			dwg no	sheet 9 of 9	size
		engr	S. White	2011-3-8			10117738		A4
		chr	S. White	2011-3-8					
		appd	W. White	2011-3-8					
sheet		revision					type Product Customer Drawing		
index		sheet							Rev. A

Mouser Electronics

Authorized Distributor

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FCI:

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[SFV14R-1STBE5HLF](#) [SFV26R-2STBE5HLF](#) [SFV13R-2STBE5HLF](#) [SFV26R-1STBE5HLF](#) [SFV6R-1STBE5HLF](#)
[SFV4R-1STBE5HLF](#) [SFV32R-1STBE5HLF](#) [SFV20R-2STBE5HLF](#) [SFV15R-1STBE5HLF](#) [SFV20R-1STBE5HLF](#)
[SFV34R-1STBE5HLF](#) [SFV35R-1STBE5HLF](#) [SFV15R-2STBE5HLF](#) [SFV12R-1STBE5HLF](#)