

mat'l. code				surface				tolerance				projection				product family										
—				ISO 1302				ISO 406 ISO 1101								58EF										
ltr	ecn no	dr	date	tolerances unless				otherwise specified								title										
A	J11-0017	S.W	2011-1-20	angles				linear																		
B	ELX-J-32839	S.W	2019-3-6									scale N/A				(Cat. No. : SFV__R-1/2STAE1HLF)										
				dr	S.WATANABE			2019-3-6							dwg no											
				engr	S.WATANABE			2019-3-6											sheet 1 of 9							
				chr	S-H.THIO			2019-3-7															size			
				appd	Y.KAMEDA			2019-3-7																		
sheet index	revision sheet	B	B	B	B	B	B	B	B	B	B	B	B	type												
		1	2	3	4	5	6	7	8	9				Product Customer Drawing												

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-1/2STAE1HLF)
10117077 Sheet6	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1STAE1HLF)
10117077 Sheet7	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-2STAE1HLF)
10117077 Sheet8	RECOMMENDED CABLE (FPC) (SFV__R-1/2STA__HLF)
10117077 Sheet9	RECOMMENDED CABLE (FFC) (SFV__R-1/2STA__HLF)
BJM-SFV101	HANDLING PROCEDURES

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

CAT. NO. SFV (n) R - 1 ST A ____ HLF

SERIES NAME _____

NO. OF CONTACTS _____

RIGHT ANGLE TYPE _____

FOR FPC/FFC, CONTACT DIRECTION _____

1. LOWER CONTACT TYPE

2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT) _____

PLATING VARIATION
A : SELECTIVE GOLD PLATING _____

PACKAGE STYLE _____

HALOGEN and LEAD FREE _____

NOTES

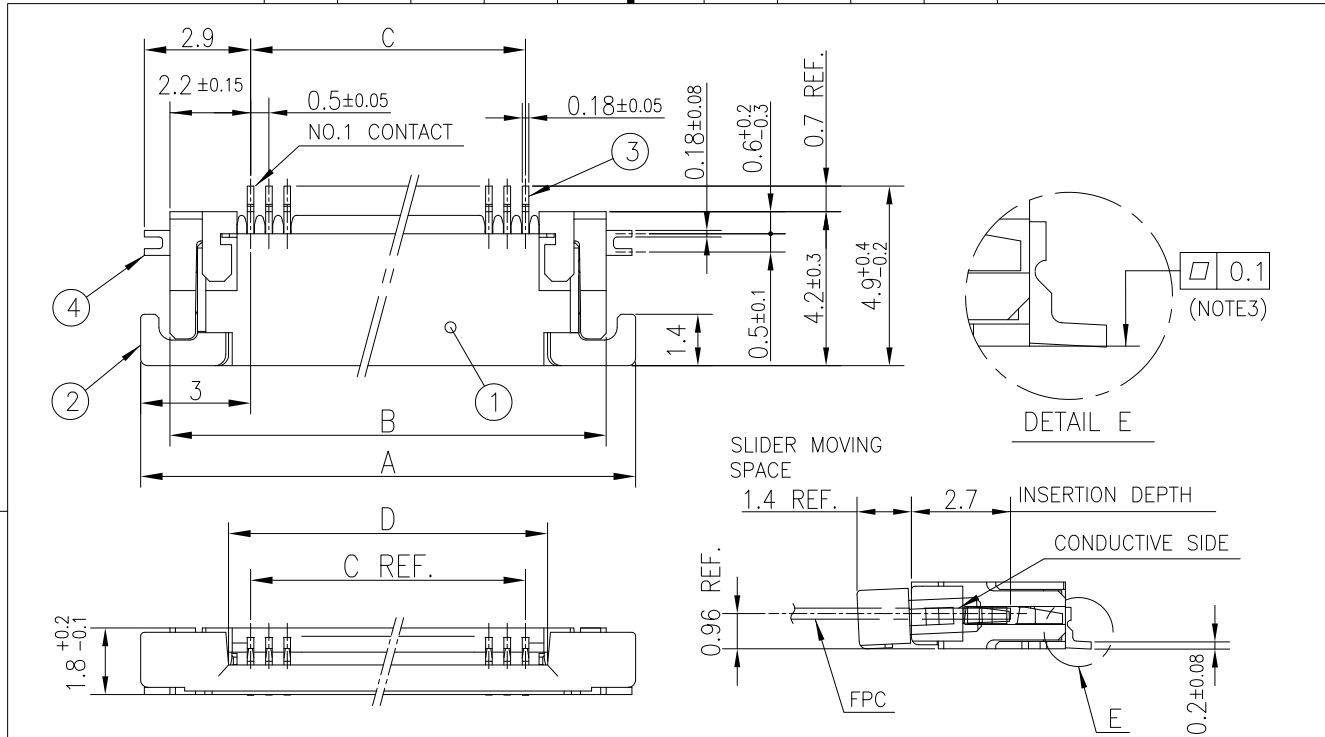
- THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE PART DRAWINGS FOR DIMENSIONS A~D.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 58EF									
ltr	ecn no	dr	date	tolerances unless otherwise specified					title CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STA__HLF)										
B				angles	linear														
								MM											
								scale N/A											
				dr	S.WATANABE		2019-3-6			dwg no				sheet 2 of 9				size A4	
				engr	S.WATANABE		2019-3-6			10117077									
				chr	S-H.THIO		2019-3-7												
				appd	Y.KAMEDA		2019-3-7												
sheet index		revision sheet																	

2016 AFCI

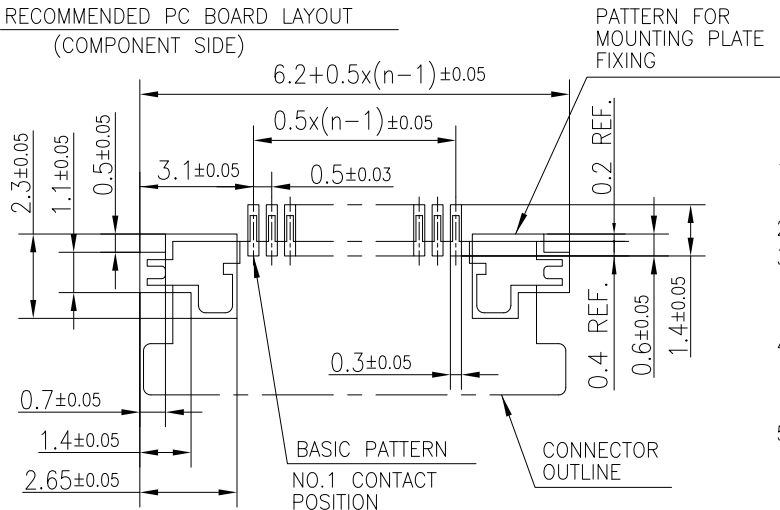
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR
3. FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY 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.

D



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 : CONTACT AREA GOLD TERMINAL AREA MATTE TIN
4	MOUNTING PLATE		2	PLATING : MATTE TIN

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

NOTES

- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS 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			
—				ISO 1302	ISO 406 ISO 1101		58EF			
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title			
B				angles	linear					
						scale N/A	dwg no			
				dr	S.WATANABE	2019-3-6				
				enr	S.WATANABE	2019-3-6	10117077			
				chr	S-H.THIO	2019-3-7				
				appd	Y.KAMEDA	2019-3-7	sheet 4 of 9			
sheet index	revision sheet									
							type Product Customer Drawing			

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

CAT. NO. SFV (n) R - 1 ST A E1 HLF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

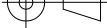


PLATING VARIATION
A : SELECTIVE GOLD PLATING

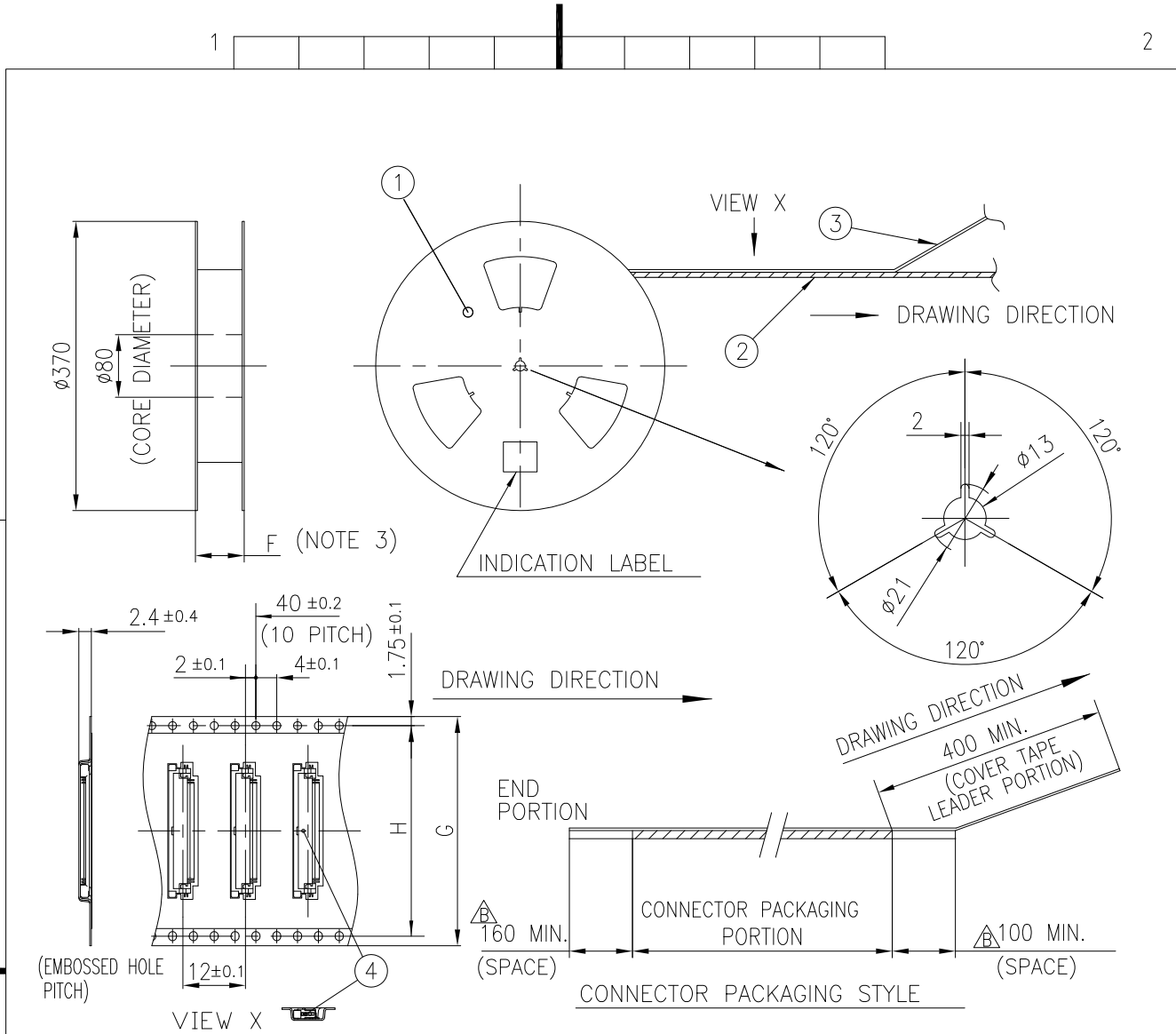
TAPE PACKAGING

HALOGEN and LEAD FREE

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 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58EF									
ltr	ecn no	dr	date	tolerances unless		otherwise specified		 MM scale N/A		title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STAE1HLF)									
B				angles	linear														
				dr	S.WATANABE	2019-3-6				dwg no					sheet 5 of 9			size	
				engr	S.WATANABE	2019-3-6				10117077					A4				
				chr	S-H.THIO	2019-3-7													
				appd	Y.KAMEDA	2019-3-7													
sheet index		revision sheet																	

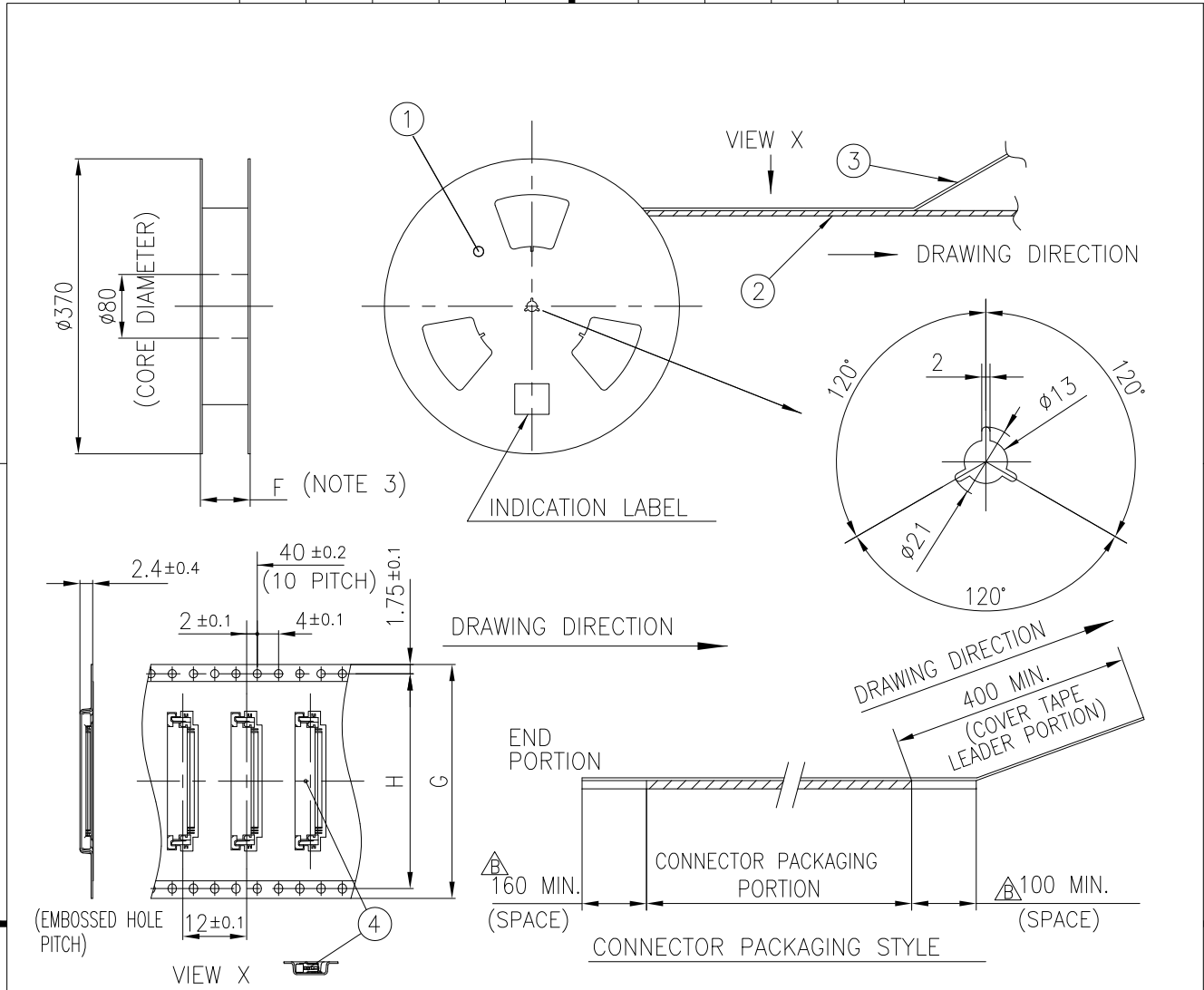


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	△ PS or A-PET	—	COLOR : TRANSPARENCY
3	COVER	_____	△ POLYESTER,POLYETHYLENE	—	COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-1STA__HLF	SEE SHEET 3	3000	LOWER CONTACT TYPE

NOTES

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

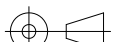


mat'l. code				surface	tolerance	projection	product family			
—				ISO 1302	ISO 406 ISO 1101	⊕	58EF			
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title			
B				angles	±5					
				linear	±5°	scale N/A	0.5 mm CONTACT SPACING CONNECTOR			
				dr	S.WATANABE	2019-3-6	dwg no			
				enr	S.WATANABE	2019-3-6				
				chr	S-H.THIO	2019-3-7	sheet 6 of 9			
				appd	Y.KAMEDA	2019-3-7				
sheet index		revision	sheet				10117077			
							A4			
							type Product Customer Drawing			



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE		PS or A-PET		COLOR : TRANSPARENCY
3	COVER		POLYESTER,POLYETHYLENE		COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-2STA__HLF	SEE SHEET 4	3000	UPPER CONTACT TYPE

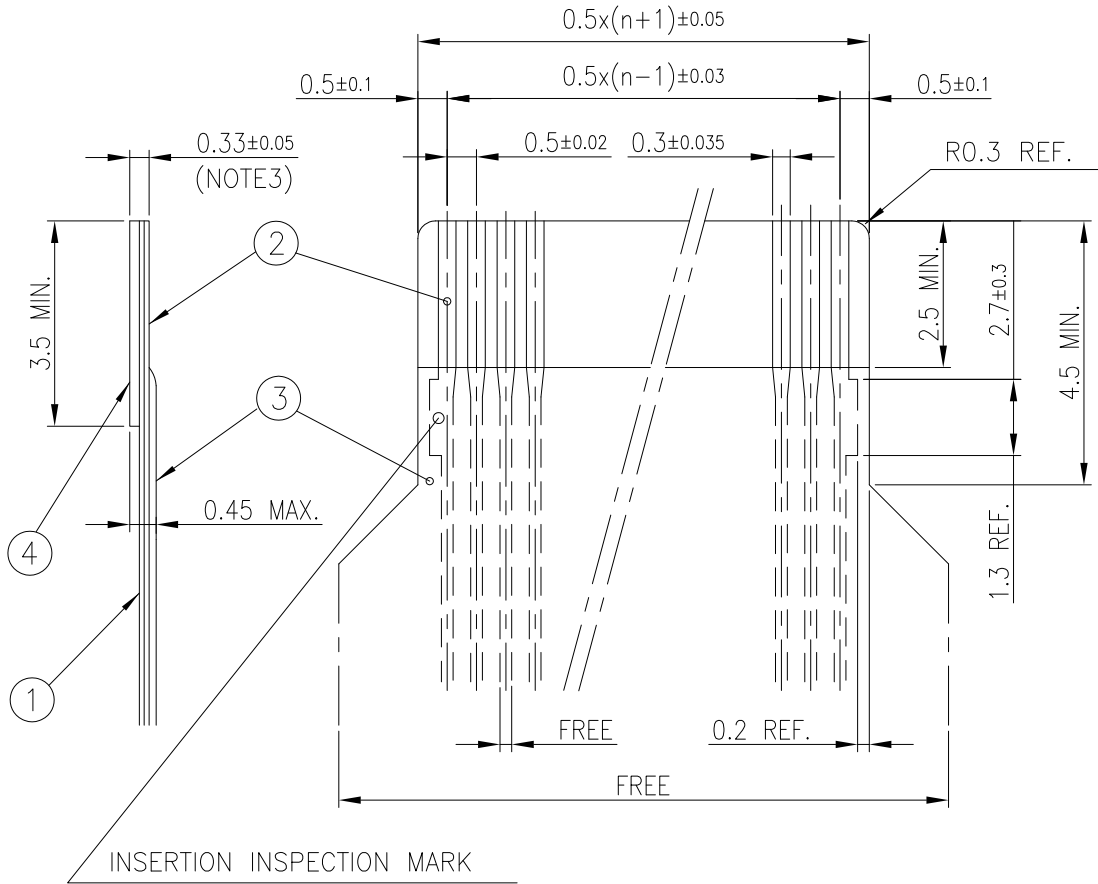
NOTES

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

mat'l. code —				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58EF										
ltr	ecn no	dr	date	tolerances unless		otherwise specified			title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-2STAE1HLF)											
B				angles	linear	±5	scale N/A													
				±5°																
				dr	S.WATANABE	2019-3-6			dwg no				sheet 7 of 9				size			
				engr	S.WATANABE	2019-3-6	10117077				A4									
				chr	S-H.THIO	2019-3-7														
				appd	Y.KAMEDA	2019-3-7														
sheet index		revision									type Product Customer Drawing									
		sheet																		

RECOMMENDED CABLE (FPC)

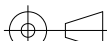


n : NO. OF CONTACTS



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

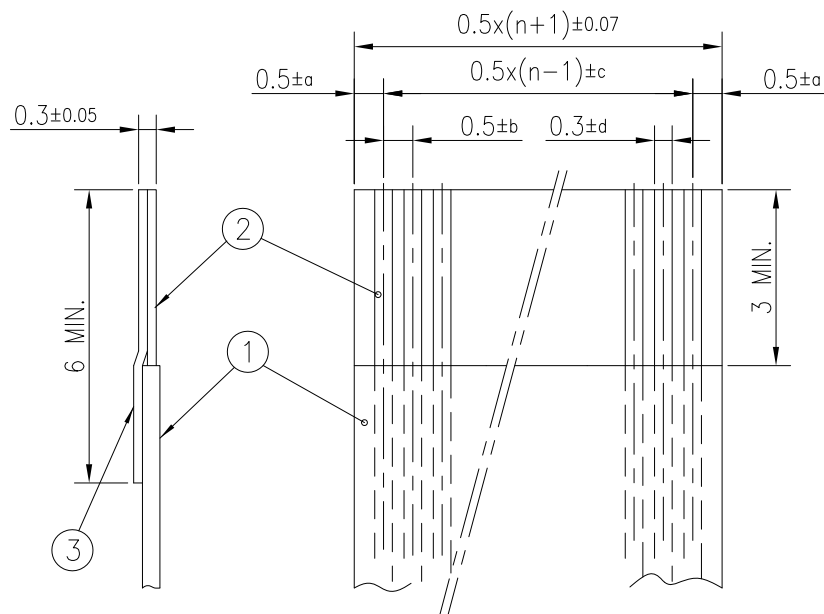
NOTES

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									
ltr	ecn no	dr	date	tolerances unless		otherwise specified		 scale N/A		title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2STA__LF)									
B				angles	linear														
				dr	S.WATANABE	2019-3-6			dwg no						sheet 8 of 9		size		
				engr	S.WATANABE	2019-3-6			10117077						A4				
				chr	S-H.THIO	2019-3-7													
				appd	Y.KAMEDA	2019-3-7			type Product Customer Drawing										
sheet index		revision sheet																	

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																	
ltr				ecn no		dr		date		tolerances unless otherwise specified		angles		linear		MM		title									
B																		RECOMMENDED CABLE									
																		(Cat. No. : SFV__R-1/2STA__LF)									
																		dwg no									
																		sheet 9 of 9									
																		10117077									
																		type Product Customer Drawing									
sheet index				revision sheet																							

Mouser Electronics

Authorized Distributor

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

[Amphenol:](#)

[SFV12R-2STAE1HLF](#) [SFV20R-1STAE1HLF](#) [SFV12R-1STAE1HLF](#)