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List of "SFV__R-1/2STE1LF" customer document

DOCUMENT NO.	LIST
SC-SFV03	SPEC.
JSA96144	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1/2ST_LF)
JSA96145	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV__R-1ST_LF)
JSA96146	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV__R-2ST_LF)
JSA96147	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1/2STE1LF)
JSA96148	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1STE1LF)
JSA96149	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-2STE1LF)
JSA92456	RECOMMENDED CABLE (FPC) (SFV__R-1/2ST__)
JSA92457	RECOMMENDED CABLE (FFC) (SFV__R-1/2ST__)
BJM-SFV101	HANDLING PROCEDURES

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 0.5mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-1/2STE1LF)											
A		J04-0462		H.T		'04/12/17		angles		linear															
B		J05-0227		H.T		'05/4/14																			
C		J06-0372		H.T		'06/9/7						scale χ		dwg no JSA 96143 sheet 1 of 1 size A4											
								dr		9/7/06										type Product Customer Drawing					
								engr		9/7/06															
								chr		9/8/06															
										appd		9/11/06		Rev. C											
sheet		revision		C																D					
index		sheet		1																					

form: A4

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2

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-1/2ST__LF	7.5	5.9	15	2.7
5	SFV5R-1/2ST__LF	8.0	6.4	2.0	3.2
6	SFV6R-1/2ST__LF	8.5	6.9	2.5	3.7
7	SFV7R-1/2ST__LF	9.0	7.4	3.0	4.2
8	SFV8R-1/2ST__LF	9.5	7.9	3.5	4.7
9	SFV9R-1/2ST__LF	10.0	8.4	4.0	5.2
10	SFV10R-1/2ST__LF	10.5	8.9	4.5	5.7
11	SFV11R-1/2ST__LF	11.0	9.4	5.0	6.2
12	SFV12R-1/2ST__LF	11.5	9.9	5.5	6.7
13	SFV13R-1/2ST__LF	12.0	10.4	6.0	7.2
14	SFV14R-1/2ST__LF	12.5	10.9	6.5	7.7
15	SFV15R-1/2ST__LF	13.0	11.4	7.0	8.2
16	SFV16R-1/2ST__LF	13.5	11.9	7.5	8.7
17	SFV17R-1/2ST__LF	14.0	12.4	8.0	9.2
18	SFV18R-1/2ST__LF	14.5	12.9	8.5	9.7
19	SFV19R-1/2ST__LF	15.0	13.4	9.0	10.2
20	SFV20R-1/2ST__LF	15.5	13.9	9.5	10.7
21	SFV21R-1/2ST__LF	16.0	14.4	10.0	11.2
22	SFV22R-1/2ST__LF	16.5	14.9	10.5	11.7
23	SFV23R-1/2ST__LF	17.0	15.4	11.0	12.2
24	SFV24R-1/2ST__LF	17.5	15.9	11.5	12.7
25	SFV25R-1/2ST__LF	18.0	16.4	12.0	13.2
26	SFV26R-1/2ST__LF	18.5	16.9	12.5	13.7
27	SFV27R-1/2ST__LF	19.0	17.4	13.0	14.2
28	SFV28R-1/2ST__LF	19.5	17.9	13.5	14.7
29	SFV29R-1/2ST__LF	20.0	18.4	14.0	15.2
30	SFV30R-1/2ST__LF	20.5	18.9	14.5	15.7
31	SFV31R-1/2ST__LF	21.0	19.4	15.0	16.2
32	SFV32R-1/2ST__LF	21.5	19.9	15.5	16.7
33	SFV33R-1/2ST__LF	22.0	20.4	16.0	17.2
34	SFV34R-1/2ST__LF	22.5	20.9	16.5	17.7
35	SFV35R-1/2ST__LF	23.0	21.4	17.0	18.2

CAT. NO.

SFV (n) R - 1 ST __ LF

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)

PACKAGE STYLE

LEAD FREE

NOTES

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

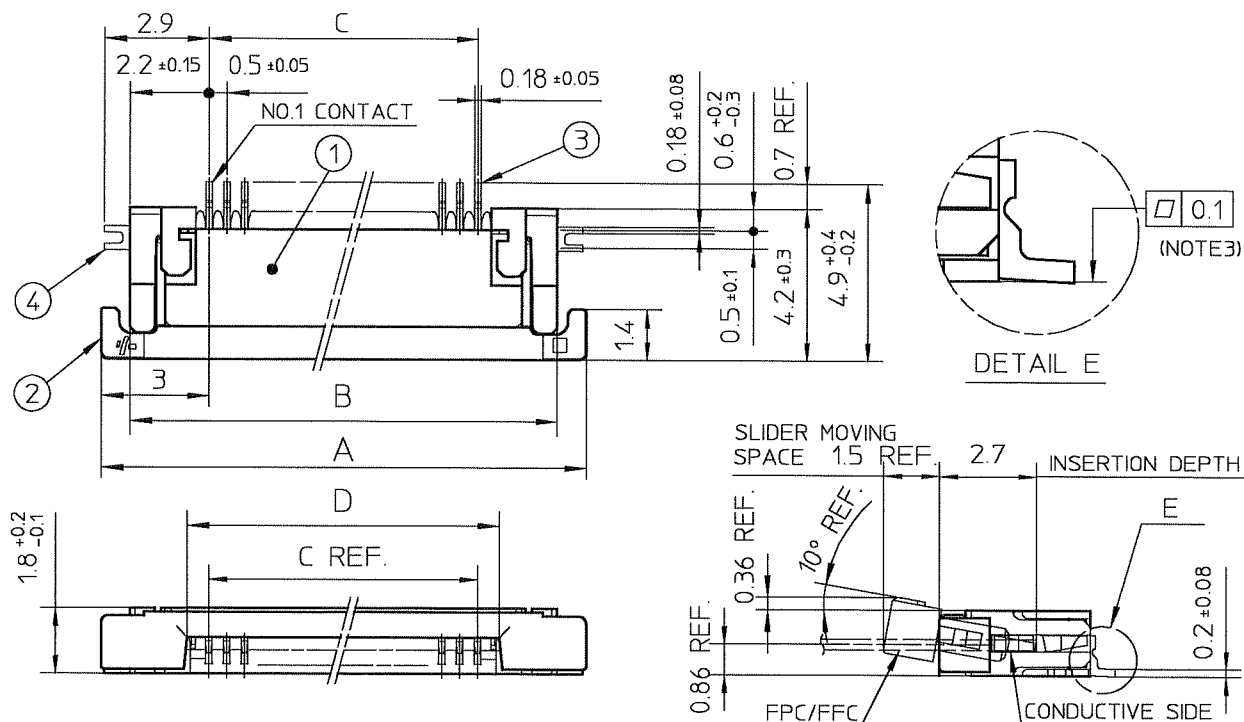
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 58EF			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
A	J04-0462	H.T	'04/12/17							CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2ST__LF)			
B	J05-0227	H.T	'05/4/14	angles	linear			scale X					
C	J06-0372	H.T	'06/9/17										
				dr	H. Shouji 9/7/06				dwg no		sheet 1 of 1	size	
				engr	H. Shouji 9/7/06				JSA 96144		A4		
				chr	R. Shouji 9/8/06								
				appd	S. Radan 9/11/06								
sheet index	revision sheet	C	1										Rev. C

SC-SFV03 JSA96145, 96146, 96147, 96148, 96149, 92456, 92457
form: A4



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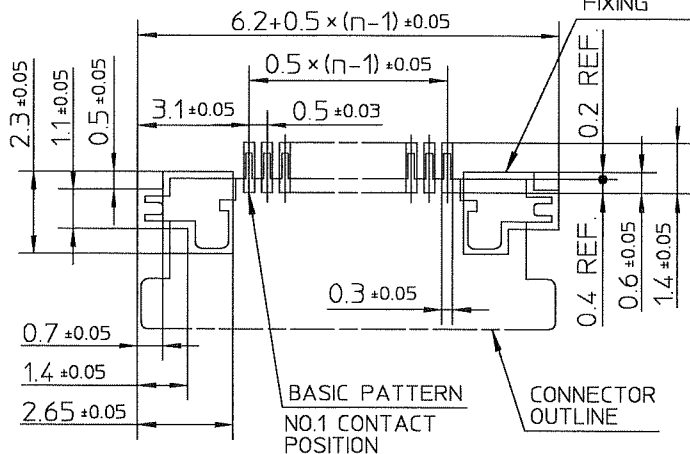
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PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : MATTE PURE TIN Ni UNDER PLATED (LEAD FREE)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

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

n : NO. OF CONTACTS



NOTES

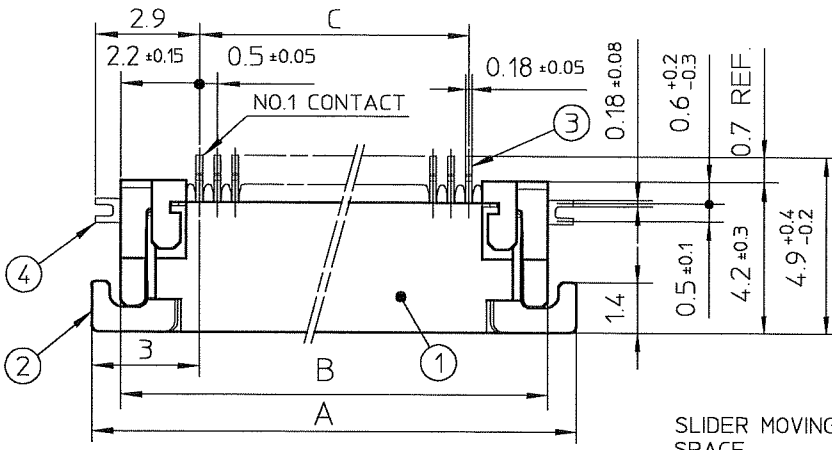
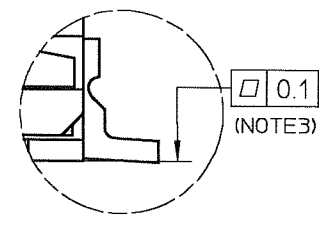
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
3. FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER 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 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family 58EF			
lfr	ecn no	dr	date	tolerances unless otherwise specified			title CONNECTOR USED FOR FPC/FFC WITH 0.5 mm CONTACT SPACING (Cat No. : SFV__R-1ST__LF)			
A	J04-0462	H.T	'04/12/17	angles	linear					
B	J05-0227	H.T	'05/4/14				dwg no JSA 96145			
C	J05-0710	H.T	'05/10/21			scale X				
D	J06-0064	H.T	'06/2/23	dr			sheet 1 of 1 size A4			
E	J06-0372	H.T	'06/9/17	enr						
				chr						
				appd			type Product Customer Drawing			
sheet index	revision	E								Rev. E

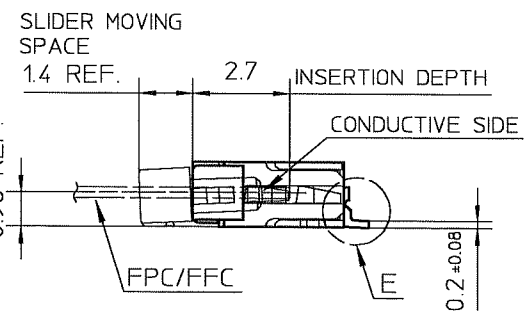
SC-SFV03 JSA96144
form: A4

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DETAIL E

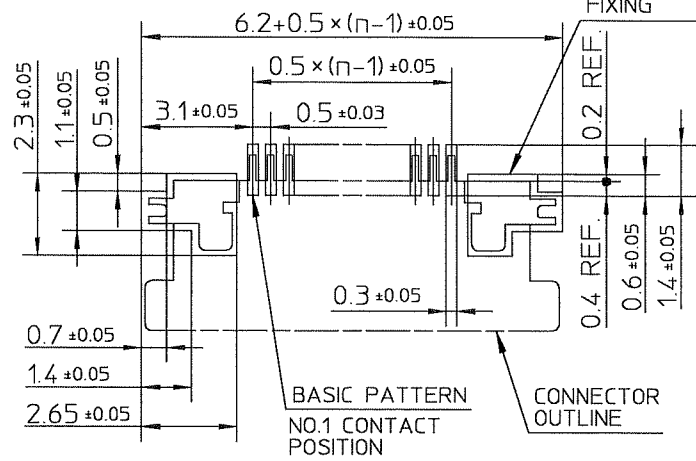


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : MATTE PURE TIN Ni UNDER PLATED (LEAD FREE)
4	MOUNTING PLATE		2	

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

PATTERN FOR
MOUNTING PLATE
FIXING



- NOTES
- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC 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 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection ⊕		product family 58EF			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title CONNECTOR USED FOR FPC/FFC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2ST__LF)			
A	J04-0462	H.T	'04/12/17	angles linear ±0.2									
B	J05-0227	H.T	'05/4/14										
C	J05-0710	H.T	'05/10/21										
D	J06-0064	H.T	'06/2/23	dr	9/7/06			scale X FCI		dwg no JSA 96146 sheet 1 of 1 size A4			
E	J06-0372	H.T	'06/9/17	engr	9/7/06								
				chr	9/8/06								
				appd	9/11/06								
sheet index		revision sheet		E	1		type Product Customer Drawing						

SC-SFV03 JSA96144
form: A4

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV4R-1/2STE1LF	20.4	16	—
5	SFV5R-1/2STE1LF	20.4	16	—
6	SFV6R-1/2STE1LF	20.4	16	—
7	SFV7R-1/2STE1LF	28.4	24	—
8	SFV8R-1/2STE1LF	28.4	24	—
9	SFV9R-1/2STE1LF	28.4	24	—
10	SFV10R-1/2STE1LF	28.4	24	—
11	SFV11R-1/2STE1LF	28.4	24	—
12	SFV12R-1/2STE1LF	28.4	24	—
13	SFV13R-1/2STE1LF	28.4	24	—
14	SFV14R-1/2STE1LF	28.4	24	—
15	SFV15R-1/2STE1LF	28.4	24	—
16	SFV16R-1/2STE1LF	28.4	24	—
17	SFV17R-1/2STE1LF	28.4	24	—
18	SFV18R-1/2STE1LF	28.4	24	—
19	SFV19R-1/2STE1LF	28.4	24	—
20	SFV20R-1/2STE1LF	28.4	24	—
21	SFV21R-1/2STE1LF	28.4	24	—
22	SFV22R-1/2STE1LF	28.4	24	—
23	SFV23R-1/2STE1LF	36.4	32	28.4
24	SFV24R-1/2STE1LF	36.4	32	28.4
25	SFV25R-1/2STE1LF	36.4	32	28.4
26	SFV26R-1/2STE1LF	36.4	32	28.4
27	SFV27R-1/2STE1LF	36.4	32	28.4
28	SFV28R-1/2STE1LF	36.4	32	28.4
29	SFV29R-1/2STE1LF	36.4	32	28.4
30	SFV30R-1/2STE1LF	36.4	32	28.4
31	SFV31R-1/2STE1LF	48.4	44	40.4
32	SFV32R-1/2STE1LF	48.4	44	40.4
33	SFV33R-1/2STE1LF	48.4	44	40.4
34	SFV34R-1/2STE1LF	48.4	44	40.4
35	SFV35R-1/2STE1LF	48.4	44	40.4

CAT. NO.

SFV (n) R - 1 ST E1 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

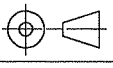
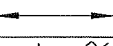
FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

NOTES

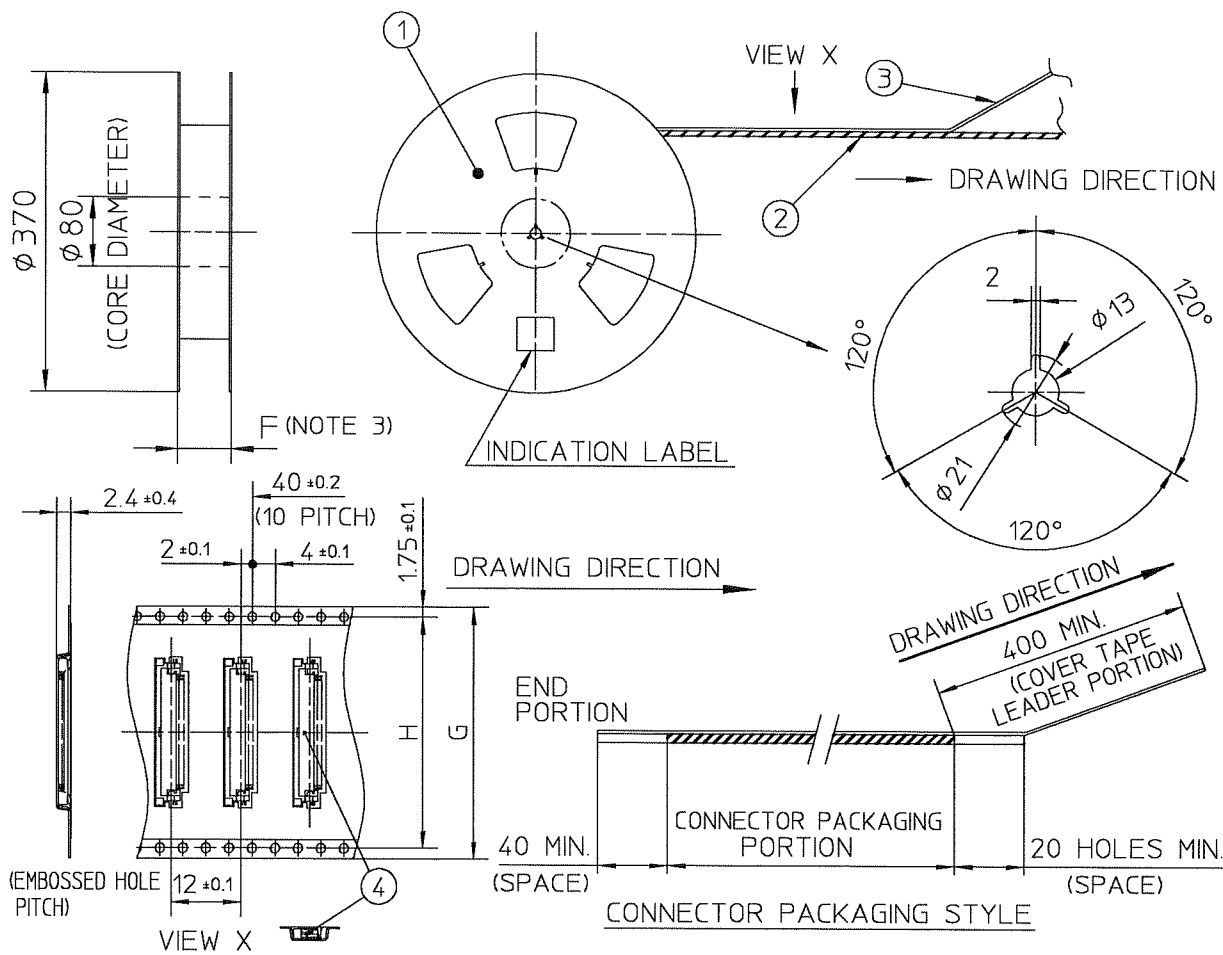
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS F~H.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 58EF				
ltr	ecn no	dr	date	tolerances unless otherwise specified						 		title		
A	J04-0462	H.T	'04/12/17									CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STE1LF)		
B	J05-0227	H.T	'05/11/14	angles	linear					scale X		dwg no		
C	J06-0372	H.T	'06/9/17							sheet 1 of 1		size		
				dr	9/7/06						JSA 96147		A4	
				engr	9/7/06									
				chr	9/8/06									
				appd	9/10/06									
										type Product Customer Drawing				
sheet index	revision sheet	C	1									Rev. C		

SC-SFV03 JSA96144
form: A4

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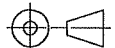
2



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-1ST__LF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

NOTES

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

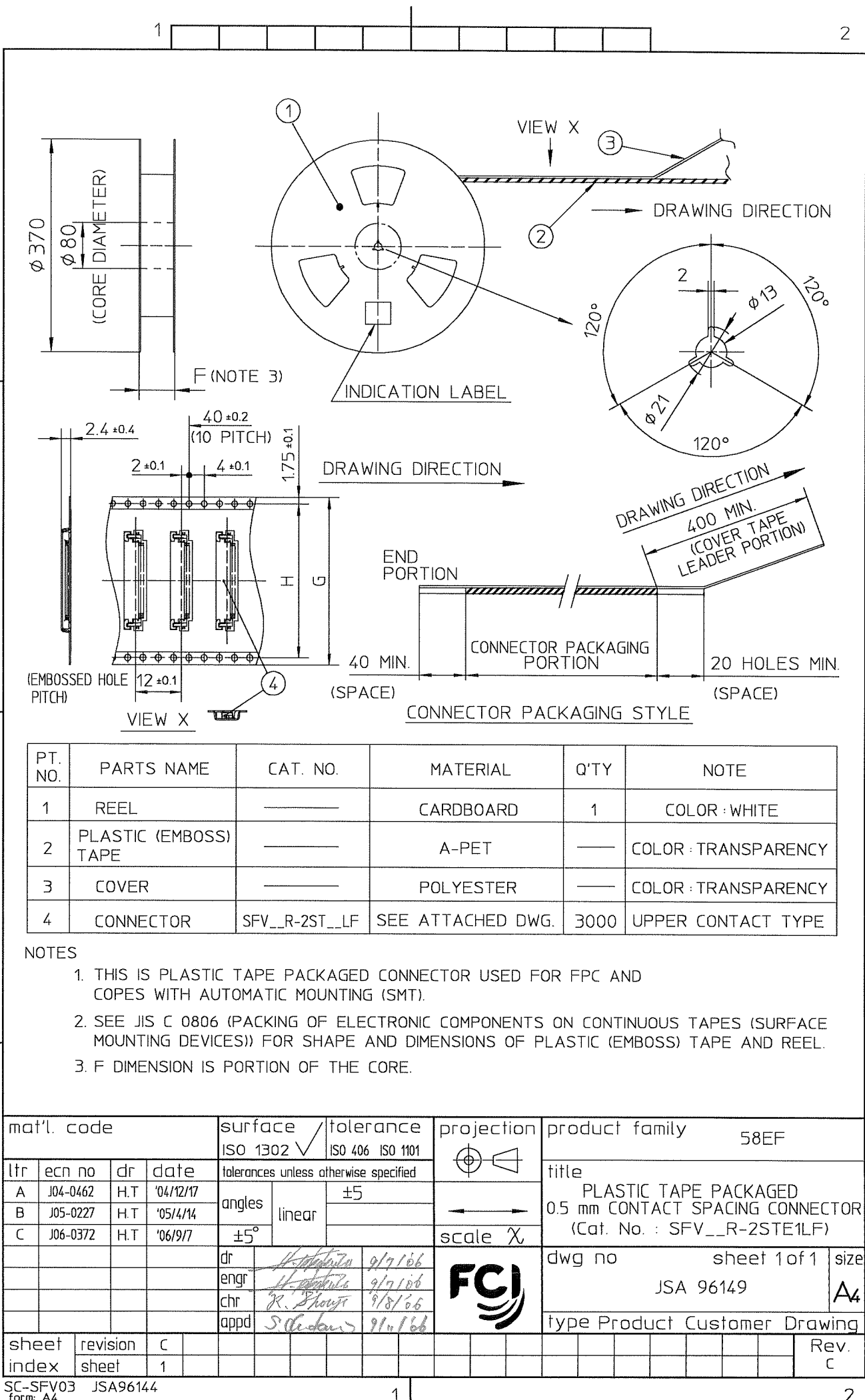
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58EF												
ltr	ecn no	dr	date	tolerances unless otherwise specified							title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1STE1LF)											
A	J04-0462	H.T	'04/12/17	angles	linear	±5																
B	J05-0227	H.T	'05/4/14																			
C	J06-0372	H.T	'06/9/7	±5°						scale	X											
				dr	H. Jathara		9/7/06			dwg no				sheet 1 of 1				size				
				enr	H. Jathara		9/7/06			JSA 96148				A4								
				chr	R. Shouji		9/8/06															
				appd	S. Odawa		9/11/06															
sheet index	revision	C															Rev. C					
	sheet	1																				

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form: A4

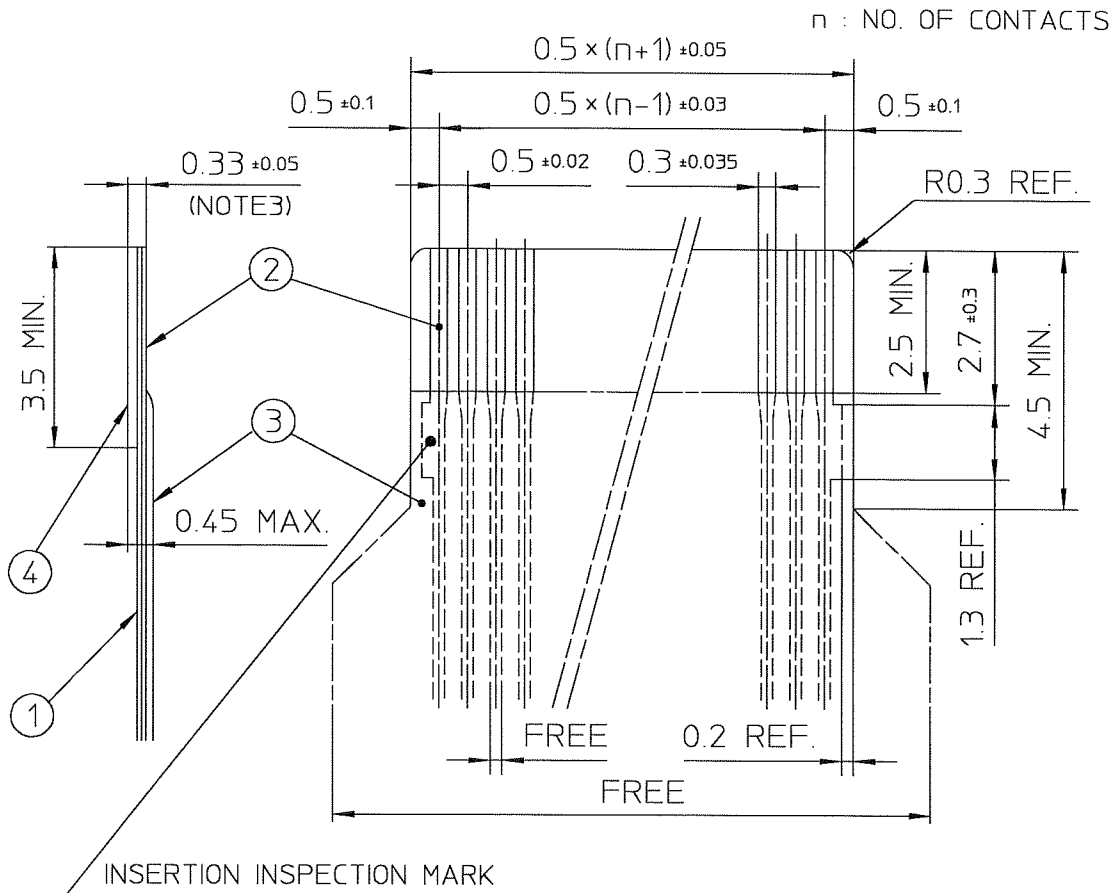


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RECOMMENDED CABLE (FPC)



PT. NO.	PARTS NAME	MATERIAL	THICKNESS(μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING : SOLDER 1μm 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.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 58EF					
litr		ecn no		dr		date		tolerances unless otherwise specified		title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)		dwg no JSA 92456		sheet 1 of 1 size A4	
1		—		M.H		'94/12/8		angles linear							
AA		J03-0196		H.T		'03/5/1		linear		scale X		type Product Customer Drawing			
AB		J06-0372		H.T		'06/9/7				FCJ		Rev. AB			
sheet index		revision sheet		AB		1									

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JSA92450

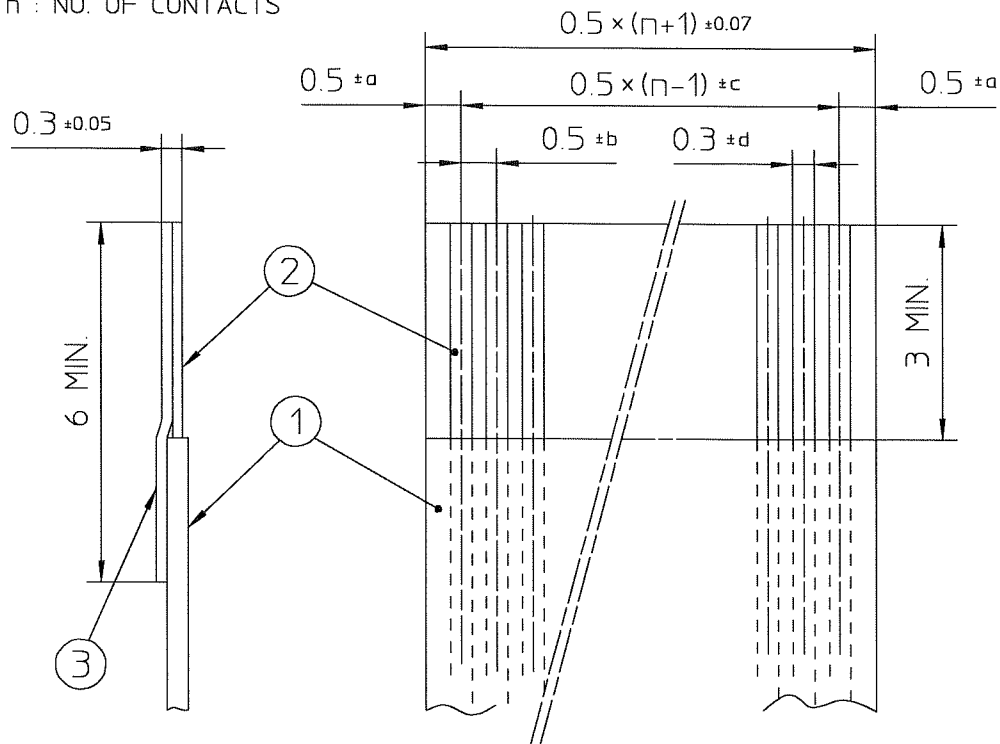


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RECOMMENDED CABLE (FFC)

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	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	
2	CONDUCTOR	COPPER FOIL:THICKNESS 35 OR 50 μ m	PLATING : TIN OR SOLDER 1 μ m MIN.
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									
ltr				ecn no		dr		date		title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)									
1						S.I		'93/9/9		scale $\propto$									
2						M.H		'94/12/8											
AA				J03-0196		H.T		'03/5/1											
AB				J06-0372		H.T		'06/9/7		dr		11/27/06		dwg no JSA 92457		sheet 1 of 1		size A4	
AC				J06-0499		H.T		'06/11/27		engr		11/27/06							
										chr		11/27/06							
										appd		11/28/06		type Product Customer Drawing					
sheet index		revision sheet		AC		1												Rev. AC	

SC-SFV01 JSA92450
form: A4

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