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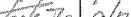


1

List of "SFV--R-3/4STA1LF" customer document

LIST  
DOCUMENT NO.

DOCUMENT NO.	LIST
SC-SFV07	SPEC.
JSA96799	CAT NO. TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV_R-3/4STA_LF)
JSA96800	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV_R-3STA_LF)
JSA96801	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV_R-4STA_LF)
JSA96802	CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-3/4STAELF)
JSA96803	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-3STAELF)
JSA96804	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV_R-4STAELF)
JSA96191	RECOMMENDED CABLE (FPC) (SFV_R-3/4ST_LF)
BJM-SFV102	HANDLING PROCEDURES

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101		product family	58EF		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	0.5mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-3/4STAE1LF)		
A	J05-0703	H.T	'05/10/19	angles	linear					
B	J06-0372	H.T	'06/9/7							
							scale 			
				dr	 9/1/06		dwg no	sheet 1 of 1	size	
				engr	 9/7/06			JSA 96798		A4
				chr	 9/8/06					
				oppd	 9/1/06					
sheet	revision	B								Rev.
index	sheet	1								B

## 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	SFV 4R-3/4STA_LF	7.5	5.9	1.5	16
5	SFV 5R-3/4STA_LF	8.0	6.4	2.0	21
6	SFV 6R-3/4STA_LF	8.5	6.9	2.5	26
7	SFV 7R-3/4STA_LF	9.0	7.4	3.0	31
8	SFV 8R-3/4STA_LF	9.5	7.9	3.5	36
9	SFV 9R-3/4STA_LF	10.0	8.4	4.0	41
10	SFV10R-3/4STA_LF	10.5	8.9	4.5	46
11	SFV11R-3/4STA_LF	11.0	9.4	5.0	51
12	SFV12R-3/4STA_LF	11.5	9.9	5.5	56
13	SFV13R-3/4STA_LF	12.0	10.4	6.0	61
14	SFV14R-3/4STA_LF	12.5	10.9	6.5	66
15	SFV15R-3/4STA_LF	13.0	11.4	7.0	71
16	SFV16R-3/4STA_LF	13.5	11.9	7.5	76
17	SFV17R-3/4STA_LF	14.0	12.4	8.0	81
18	SFV18R-3/4STA_LF	14.5	12.9	8.5	86
19	SFV19R-3/4STA_LF	15.0	13.4	9.0	91
20	SFV20R-3/4STA_LF	15.5	13.9	9.5	96
21	SFV21R-3/4STA_LF	16.0	14.4	10.0	101
22	SFV22R-3/4STA_LF	16.5	14.9	10.5	106
23	SFV23R-3/4STA_LF	17.0	15.4	11.0	111
24	SFV24R-3/4STA_LF	17.5	15.9	11.5	116
25	SFV25R-3/4STA_LF	18.0	16.4	12.0	121
26	SFV26R-3/4STA_LF	18.5	16.9	12.5	126
27	SFV27R-3/4STA_LF	19.0	17.4	13.0	131
28	SFV28R-3/4STA_LF	19.5	17.9	13.5	136
29	SFV29R-3/4STA_LF	20.0	18.4	14.0	141
30	SFV30R-3/4STA_LF	20.5	18.9	14.5	146
31	SFV31R-3/4STA_LF	21.0	19.4	15.0	151
32	SFV32R-3/4STA_LF	21.5	19.9	15.5	156
33	SFV33R-3/4STA_LF	22.0	20.4	16.0	161
34	SFV34R-3/4STA_LF	22.5	20.9	16.5	166
35	SFV35R-3/4STA_LF	23.0	21.4	17.0	171

CAT. NO. SFV (n) R - 3 ST A -- LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC,  
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

- 3: LOWER CONTACT TYPE
- 4: UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING  
(SMT)

PLATING VARIATION

PACKAGE STYLE

LEAD FREE

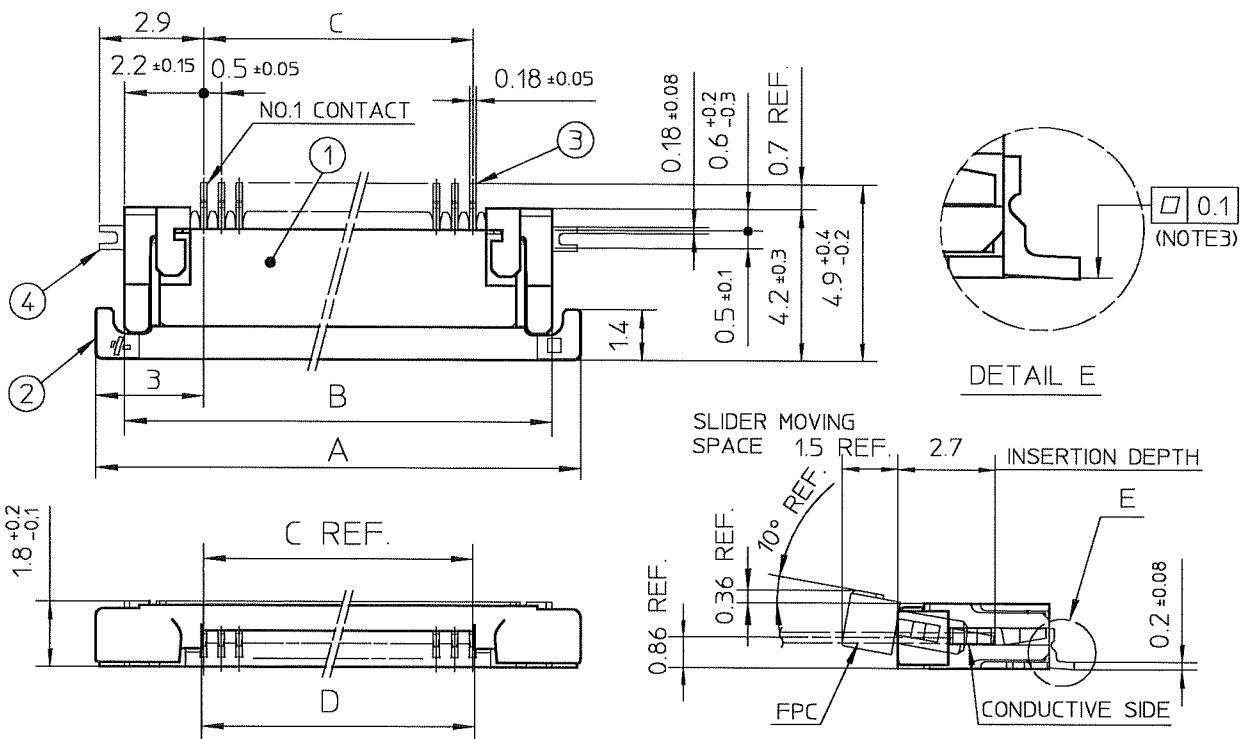
## NOTES

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

mat'l. code				surface		tolerance		projection	product family	
ltr	ecn no	dr	date	ISO 1302		ISO 406	ISO 1101		58EF	
A	J05-0703	H.T	'05/10/19	tolerances unless otherwise specified		angles	linear	scale X	title	
B	J06-0372	H.T	'06/9/7						CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3/4STA_LF)	
				dr	<i>K. Nakata</i>	9/7/06			dwg no	
				engr	<i>K. Nakata</i>	9/7/06			sheet 1 of 1	
				chr	<i>K. Shouji</i>	9/8/06			size	
				appd	<i>S. Ochiai</i>	9/4/06			JSA 96799	
sheet		revision	B						A4	
index		sheet	1						type	
SC-SFV07		JSA96800, 96801, 96802, 96191							Product Customer Drawing	
form: A4									Rev. B	

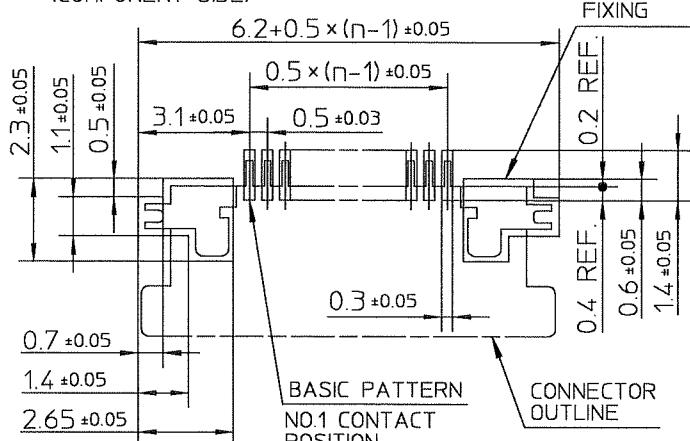
1

2



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 :BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING:CONTACT AREA GOLD TERMINAL AREA TIN
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 WITH CABLE LOCK MECHANISM.
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.

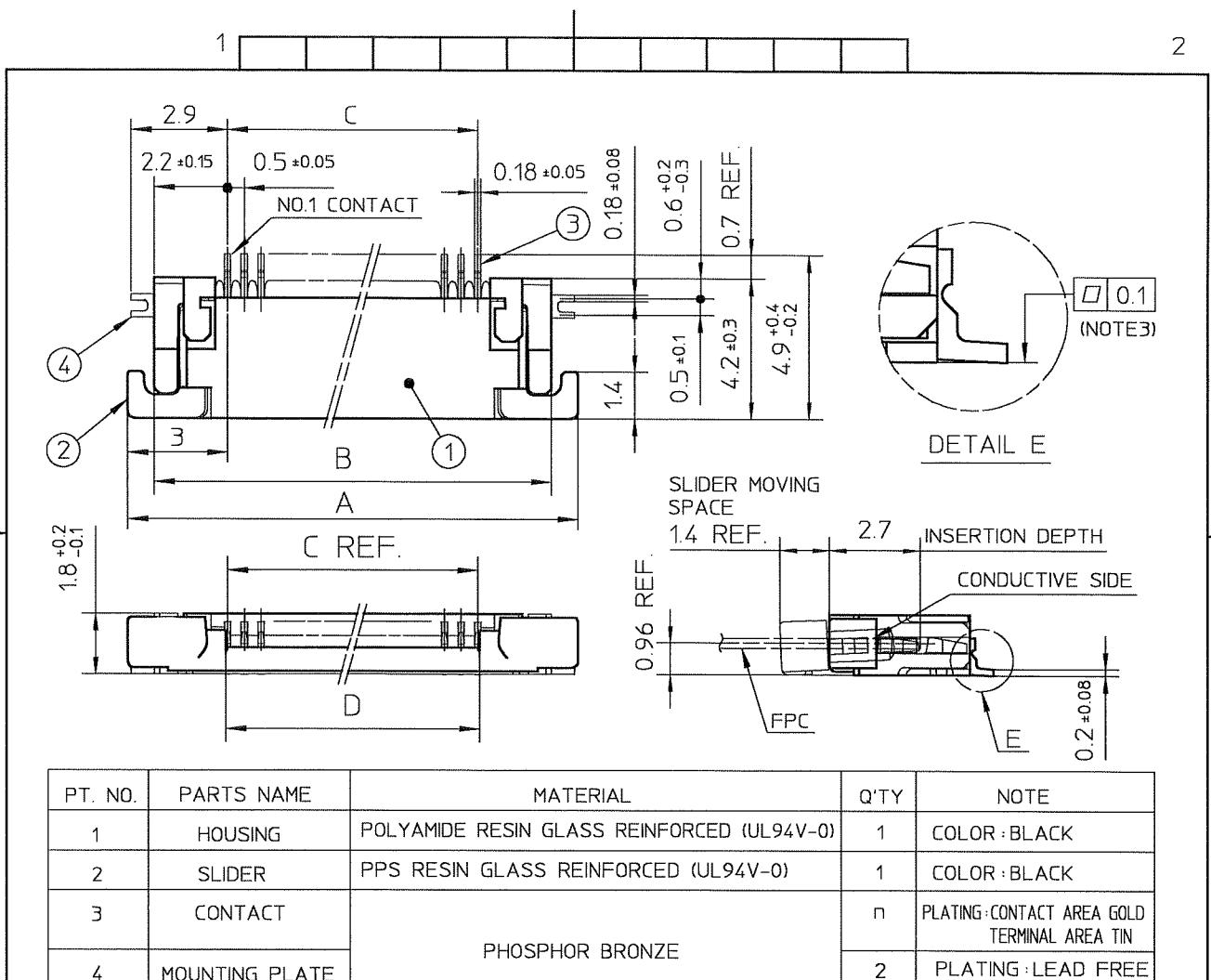
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mat'l. code				surface	tolerance	projection	product family	58EF
				ISO 1302 ✓	ISO 406 ISO 1101		title	
ltr	ecn no	dr	date	tolerances unless otherwise specified				
A	J05-0703	H.T	'05/10/19	angles	linear	±0.2		CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV_R-3STA_LF)
B	J06-0064	H.T	'06/2/23					
C	J06-0372	H.T	'06/9/7					
				dr	9/7/06		dwg no	sheet 1 of 1
				engr	9/7/06			JSA 96800
				chr	9/8/06		size	A4
				appd	9/4/06		type	Product Customer Drawing
sheet	revision	C						
index	sheet	1						

SC-SFV07 JSA96799  
form: A4

1

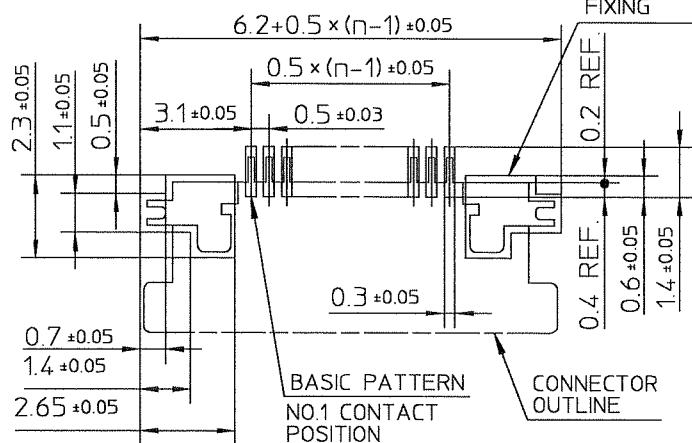
2



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 AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
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.

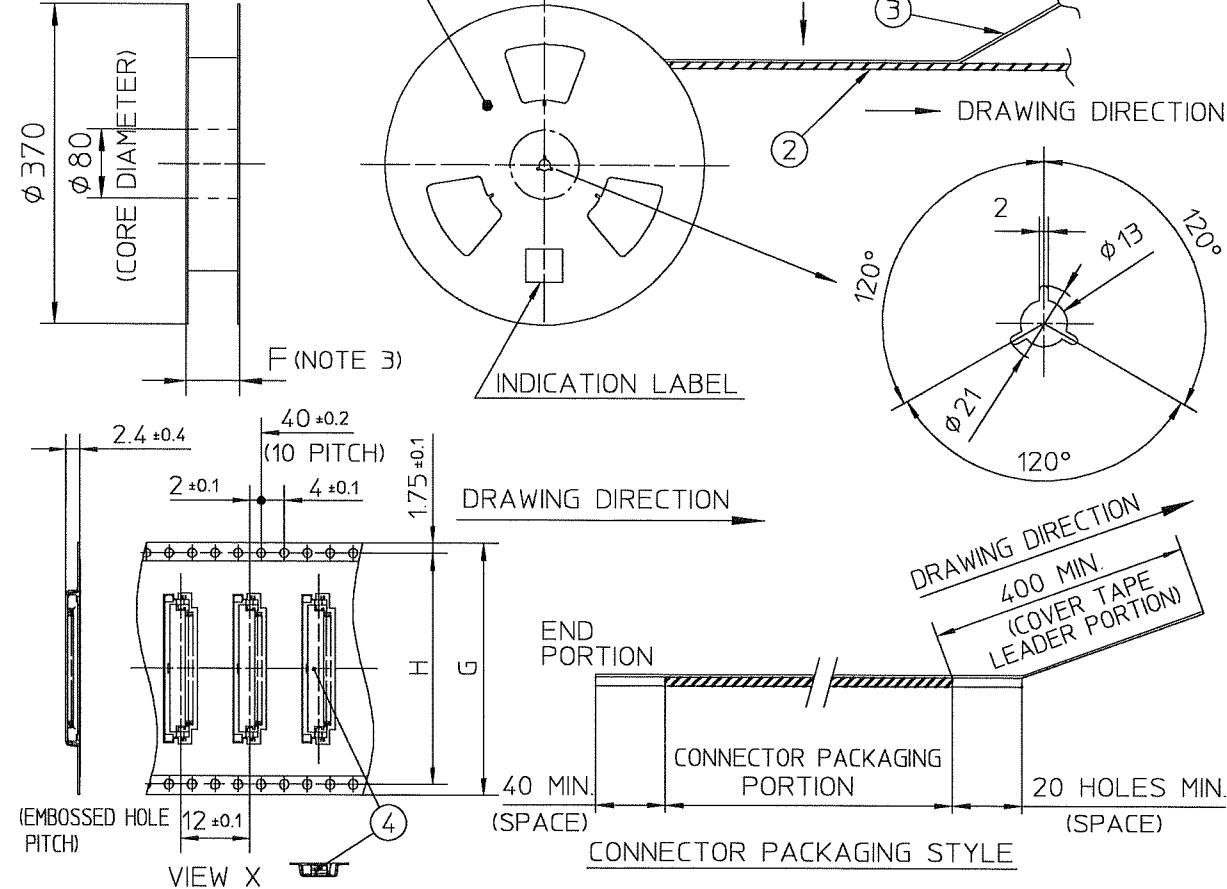
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	 	product family	58EF		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
A	J05-0703	H.T	'05/10/19	angles linear	±0.2		CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-4STA__LF)			
B	J06-0064	H.T	'06/2/23							
C	J06-0372	H.T	'06/9/7							
				dr	<i>H. Stroh</i>	9/7/06	dwg no	sheet 1 of 1	size	
				engr	<i>H. Stroh</i>	9/7/06	JSA 96801		A4	
				chr	<i>R. Stroh</i>	9/8/06				
				appd	<i>S. Stroh</i>	9/6/06				
sheet	revision	C					type		Customer Drawing	Rev.
index	sheet	1								C

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE 3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV 4R-3/4STAЕ1LF	20.4	16	—
5	SFV 5R-3/4STAЕ1LF	20.4	16	—
6	SFV 6R-3/4STAЕ1LF	20.4	16	—
7	SFV 7R-3/4STAЕ1LF	28.4	24	—
8	SFV 8R-3/4STAЕ1LF	28.4	24	—
9	SFV 9R-3/4STAЕ1LF	28.4	24	—
10	SFV10R-3/4STAЕ1LF	28.4	24	—
11	SFV11R-3/4STAЕ1LF	28.4	24	—
12	SFV12R-3/4STAЕ1LF	28.4	24	—
13	SFV13R-3/4STAЕ1LF	28.4	24	—
14	SFV14R-3/4STAЕ1LF	28.4	24	—
15	SFV15R-3/4STAЕ1LF	28.4	24	—
16	SFV16R-3/4STAЕ1LF	28.4	24	—
17	SFV17R-3/4STAЕ1LF	28.4	24	—
18	SFV18R-3/4STAЕ1LF	28.4	24	—
19	SFV19R-3/4STAЕ1LF	28.4	24	—
20	SFV20R-3/4STAЕ1LF	28.4	24	—
21	SFV21R-3/4STAЕ1LF	28.4	24	—
22	SFV22R-3/4STAЕ1LF	28.4	24	—
23	SFV23R-3/4STAЕ1LF	36.4	32	28.4
24	SFV24R-3/4STAЕ1LF	36.4	32	28.4
25	SFV25R-3/4STAЕ1LF	36.4	32	28.4
26	SFV26R-3/4STAЕ1LF	36.4	32	28.4
27	SFV27R-3/4STAЕ1LF	36.4	32	28.4
28	SFV28R-3/4STAЕ1LF	36.4	32	28.4
29	SFV29R-3/4STAЕ1LF	36.4	32	28.4
30	SFV30R-3/4STAЕ1LF	36.4	32	28.4
31	SFV31R-3/4STAЕ1LF	48.4	44	40.4
32	SFV32R-3/4STAЕ1LF	48.4	44	40.4
33	SFV33R-3/4STAЕ1LF	48.4	44	40.4
34	SFV34R-3/4STAЕ1LF	48.4	44	40.4
35	SFV35R-3/4STAЕ1LF	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
3. SEE PART DRAWINGS FOR DIMENSIONS F~H.
4. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.



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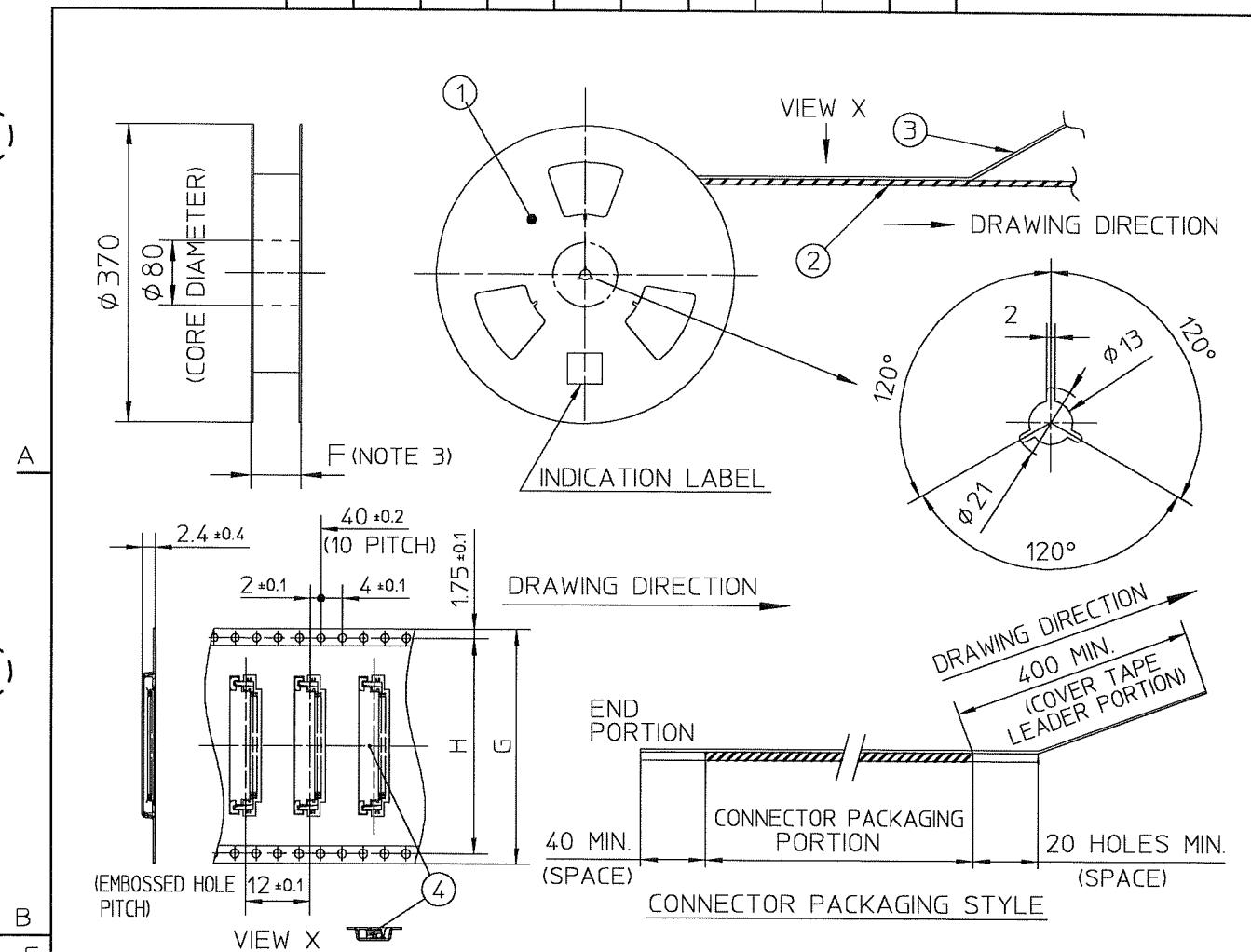
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV_R-3STA_LF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE WITH CABLE LOCK MECHANISM

## 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	tolerance	projection	product family
lfr	ecn no	dr	date	ISO 1302	✓	ISO 406	ISO 1101
A	J05-0703	H.T	'05/10/19	tolerances unless otherwise specified			
B	J06-0372	H.T	'06/9/7	angles	linear	$\pm 5$	
						$\pm 5^\circ$	
				dr	<i>9/7/06</i>		
				engr	<i>9/7/06</i>		
				chr	<i>9/8/06</i>		
				appd	<i>9/11/06</i>		
sheet		revision	B				
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-4STA_LF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE WITH CABLE LOCK MECHANISM

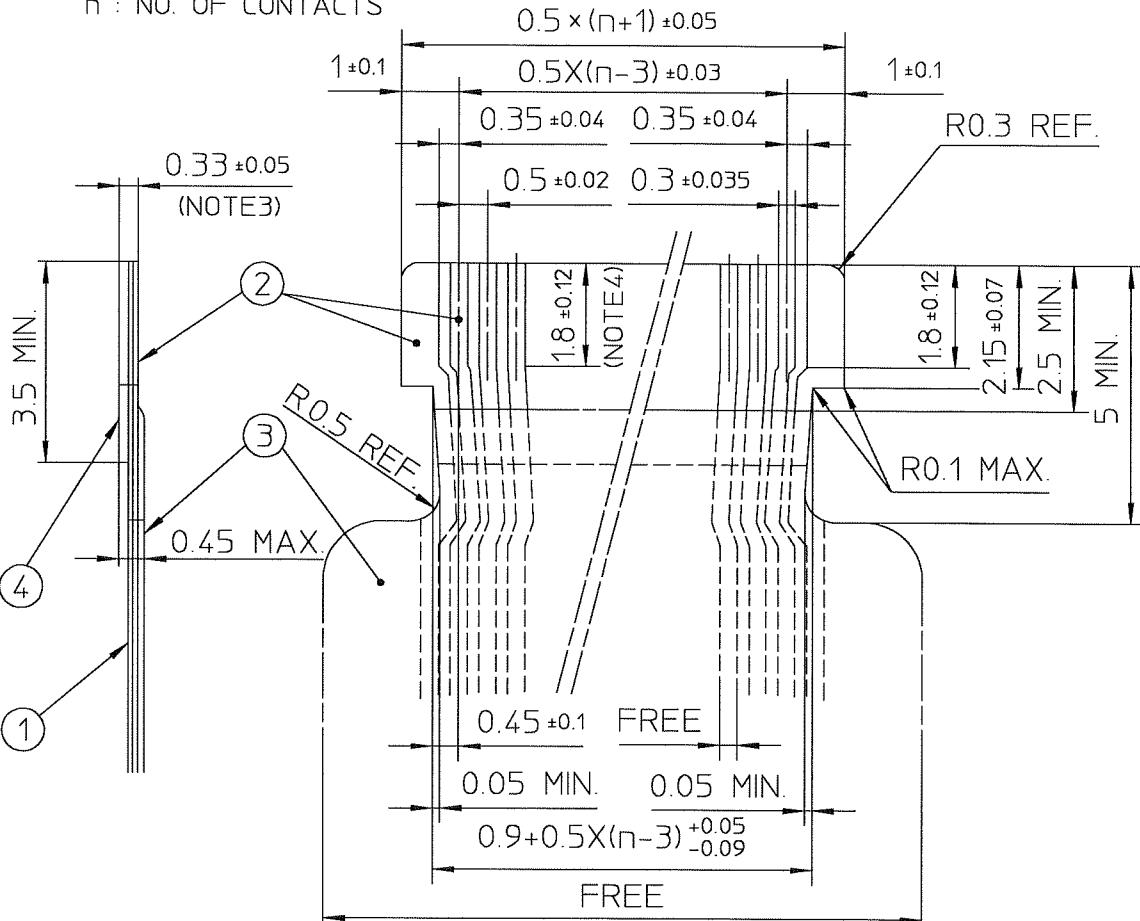
## NOTES

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	
J05-0703				ISO 1302 ✓	ISO 406 ISO 1101		58EF	
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
A	J06-0372	H.T	'04/10/19	angles	linear	±5	PLASTIC TAPE PACKAGED	
B				±5°			0.5 mm CONTACT SPACING CONNECTOR	
				dr		9/7/06	(Cat. No. : SFV_R-4STAELF)	
				engr		9/7/06	dwg no	sheet 1 of 1
				chr		9/8/06	JSA 96804	
				appd		9/1/06	size	A4
sheet		revision	B	type		Product Customer Drawing	Rev.	
index		sheet	1	SC-SFV07		JSA96802	B	

## RECOMMENDED CABLE (FPC)

n : NO. OF CONTACTS



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.
4. THIS DIMENSION INDICATES THE RANGE FOR  $0.3 \pm 0.035$  CONDUCTOR WIDTH.

mat'l. code				surface		tolerance	projection	product family	
ltr				ISO 1302		✓	ISO 406 ISO 1101	58EF	
ecn no				tolerances unless otherwise specified				title	
dr				angles		linear		RECOMMENDED CABLE	
A	J04-0454	H.T	'05/2/7					(Cat. No. : SFV__R-3/4ST__LF)	
B	J06-0372	H.T	'06/9/7						
				dr	<i>M. J. Johnson</i>	9/7/06		dwg no	
				engr	<i>M. J. Johnson</i>	9/7/06		sheet 1 of 1	
				chr	<i>R. Shiva</i>	9/8/06		size	
				appd	<i>S. Andan</i>	9/9/06		JSA 96191	
								A4	
								type	
								Product Customer Drawing	
sheet	revision	B							
	index	sheet	1						Rev. B