

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[SFV4R-1STE1LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

1

2

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				 scale $\times$		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										
				dr	<i>H. Takahashi</i>	9/7/06			dwg no		sheet 1 of 1	size	
				engr	<i>H. Takahashi</i>	9/7/06			JSA 96143		A4		
				chr	<i>R. Shouji</i>	9/8/06							
				appd	<i>Chudai</i>	9/16/06							
sheet index	revision sheet	C	1									Rev. C	

D

D

1

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

tolerance

projection

product family

58EF

ltr

ecn no

dr

date

ISO 1302

ISO 406 ISO 1101

tolerances unless otherwise specified

title

CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2ST__LF)

A

J04-0462

H.T

'04/12/17

angles

linear

scale X

B

J05-0227

H.T

'05/4/14

C

J06-0372

H.T

'06/9/17

dr

engr

chr

appd

9/7/16

9/7/16

9/8/16

9/11/16

FCI

dwg no

sheet 1 of 1

size

JSA 96144

A4

type Product Customer Drawing

sheet index

revision

C

1

sheet

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

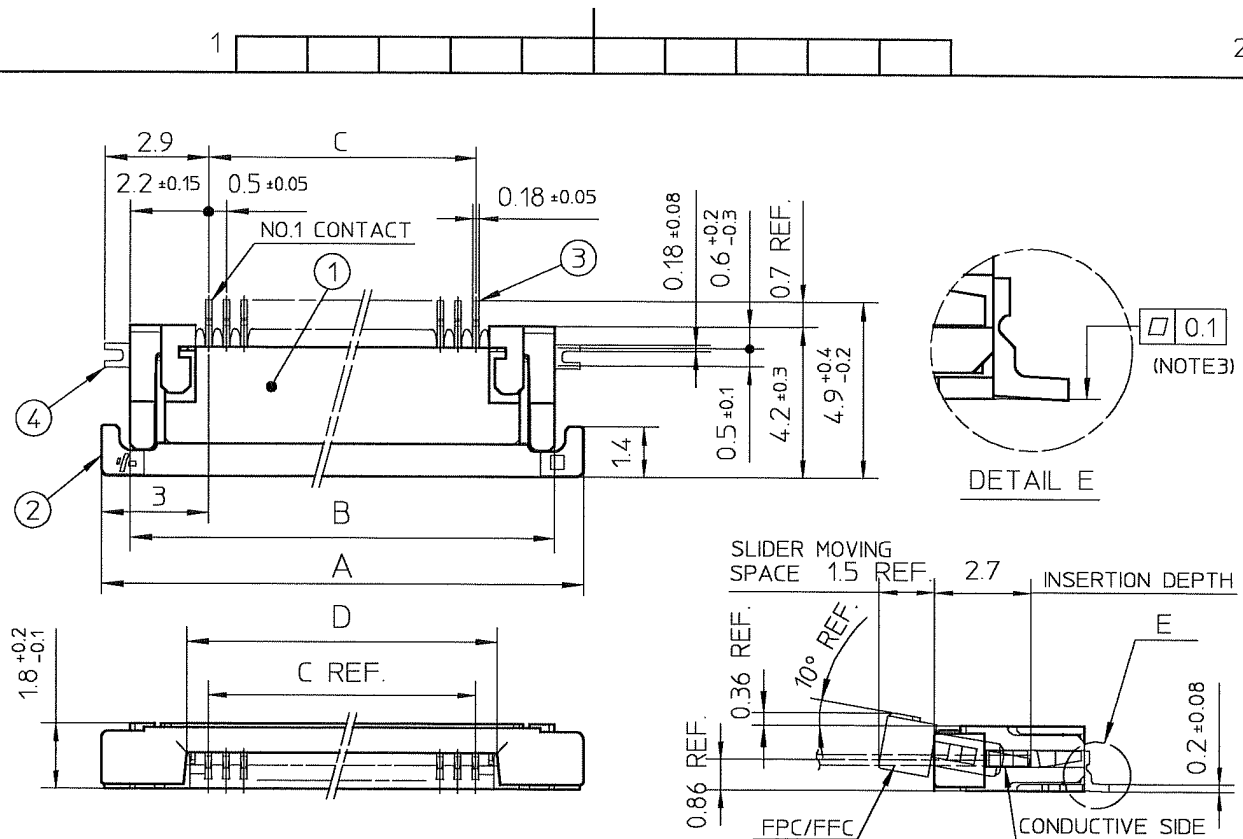
1

1

1

Rev. C

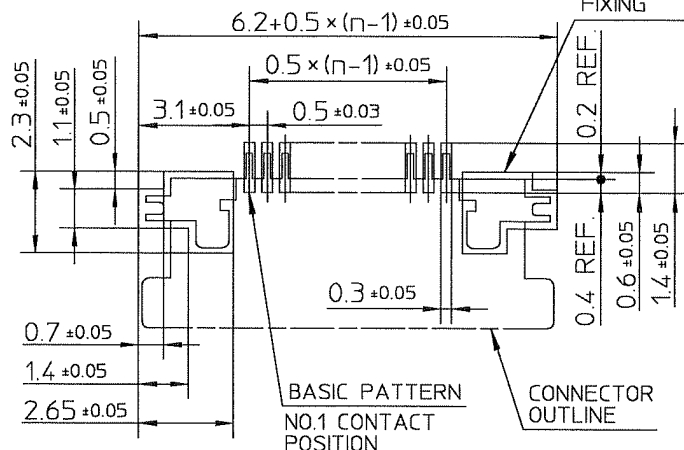
D



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

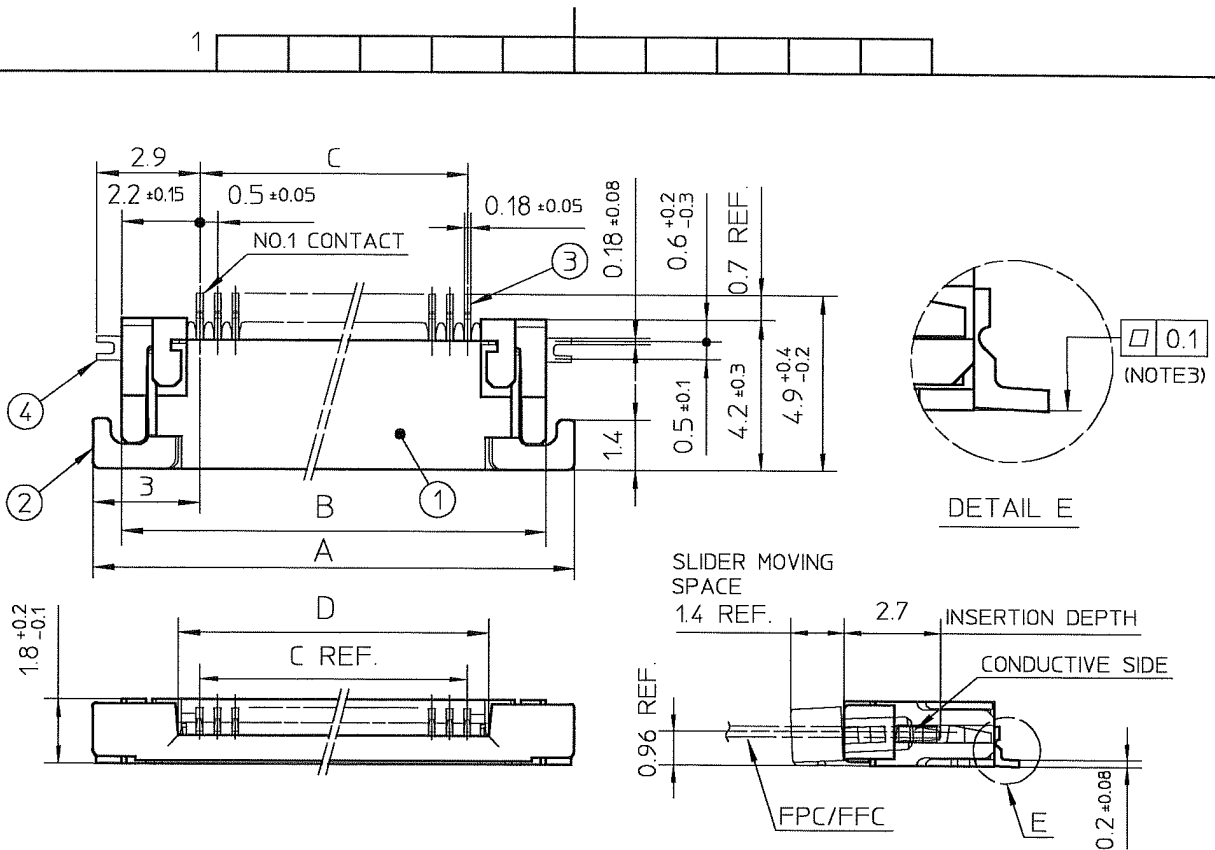
n : NO. OF CONTACTS



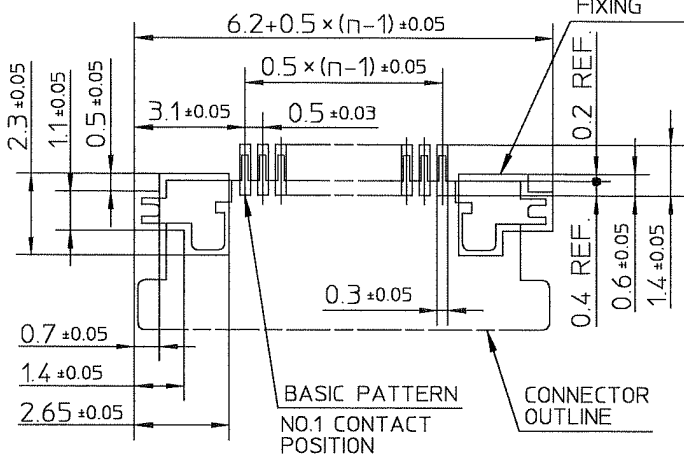
NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND 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.

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-1ST__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		dwg no JSA 96145
E	J06-0372	H.T	'06/9/7	engr	9/7/06		
				chr	9/8/06		
				appd	9/10/06		type Product Customer Drawing
sheet index	revision	E	1				Rev. E



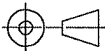
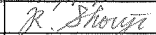
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : MATTE PURE TIN Ni UNDER PLATED (LEAD FREE)
4	MOUNTING PLATE		2	

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

n : NO. OF CONTACTS

NOTES

- THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPS WITH AUTOMATIC MOUNTING (SMT).
- THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.
- FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 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								scale $\times$																			
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																											
E				J06-0372				H.T				'06/9/17				engr								9/7/06								dwg no												sheet 1 of 1				size			
																chr								9/8/06								JSA 96146												A4							
																appd								9/10/06								type Product Customer Drawing																			
sheet index				revision				E																																								Rev. E			

SC-SFV03 JSA96144

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

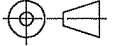
FOR AUTOMATIC MOUNTING (SMT)

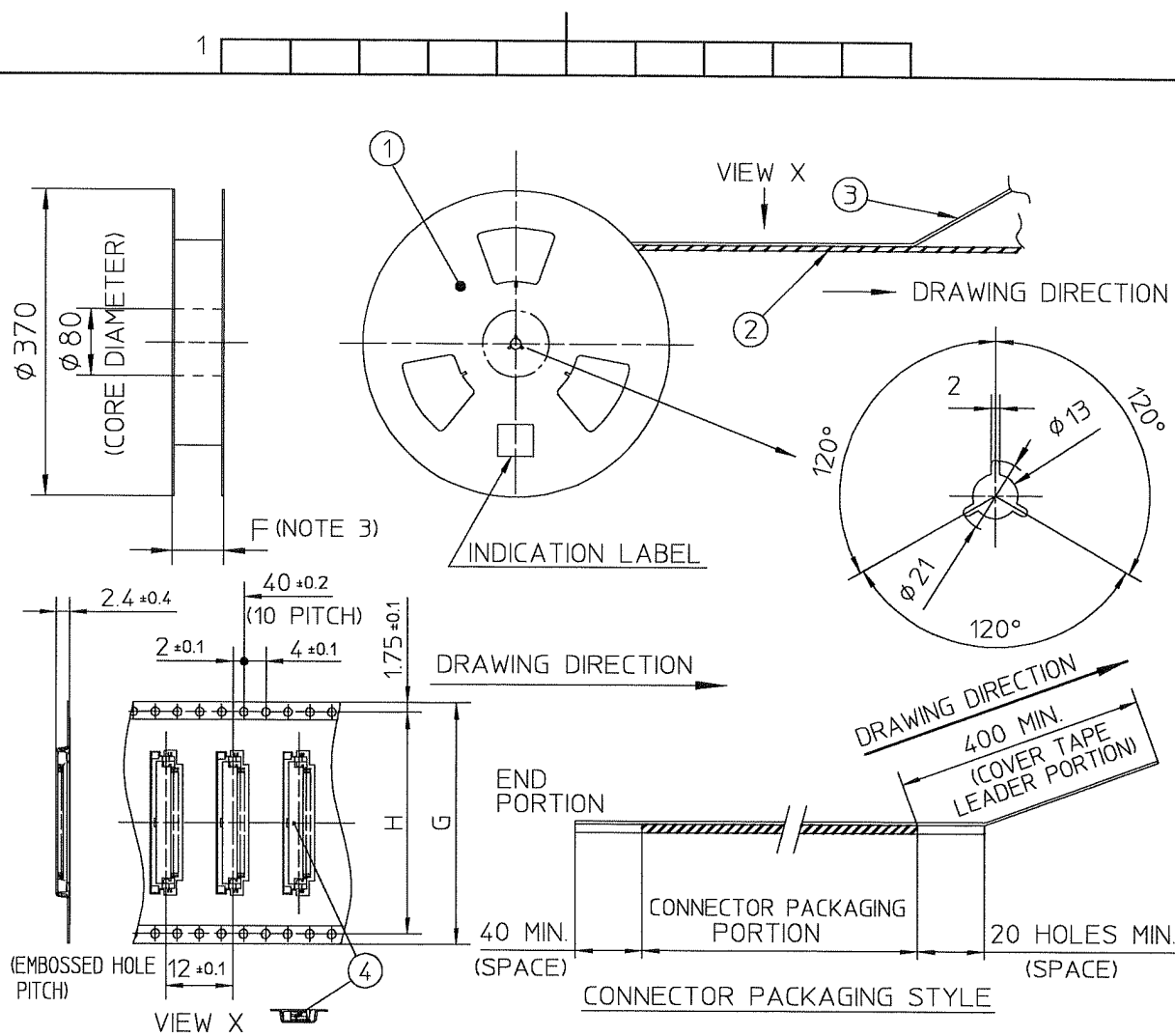
TAPE PACKAGING

LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPELS 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 CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STE1LF)				
A	J04-0462	H.T	'04/12/17	angles		linear		scale $\times$						
B	J05-0227	H.T	'05/4/14											
C	J06-0372	H.T	'06/9/17											
				dr	9/7/06				dwg no				sheet 1 of 1	size
				enrg	9/7/06				JSA 96147				A4	
				chr	9/8/06									
				appd	9/11/06									
sheet index		revision sheet		C	1								Rev. C	

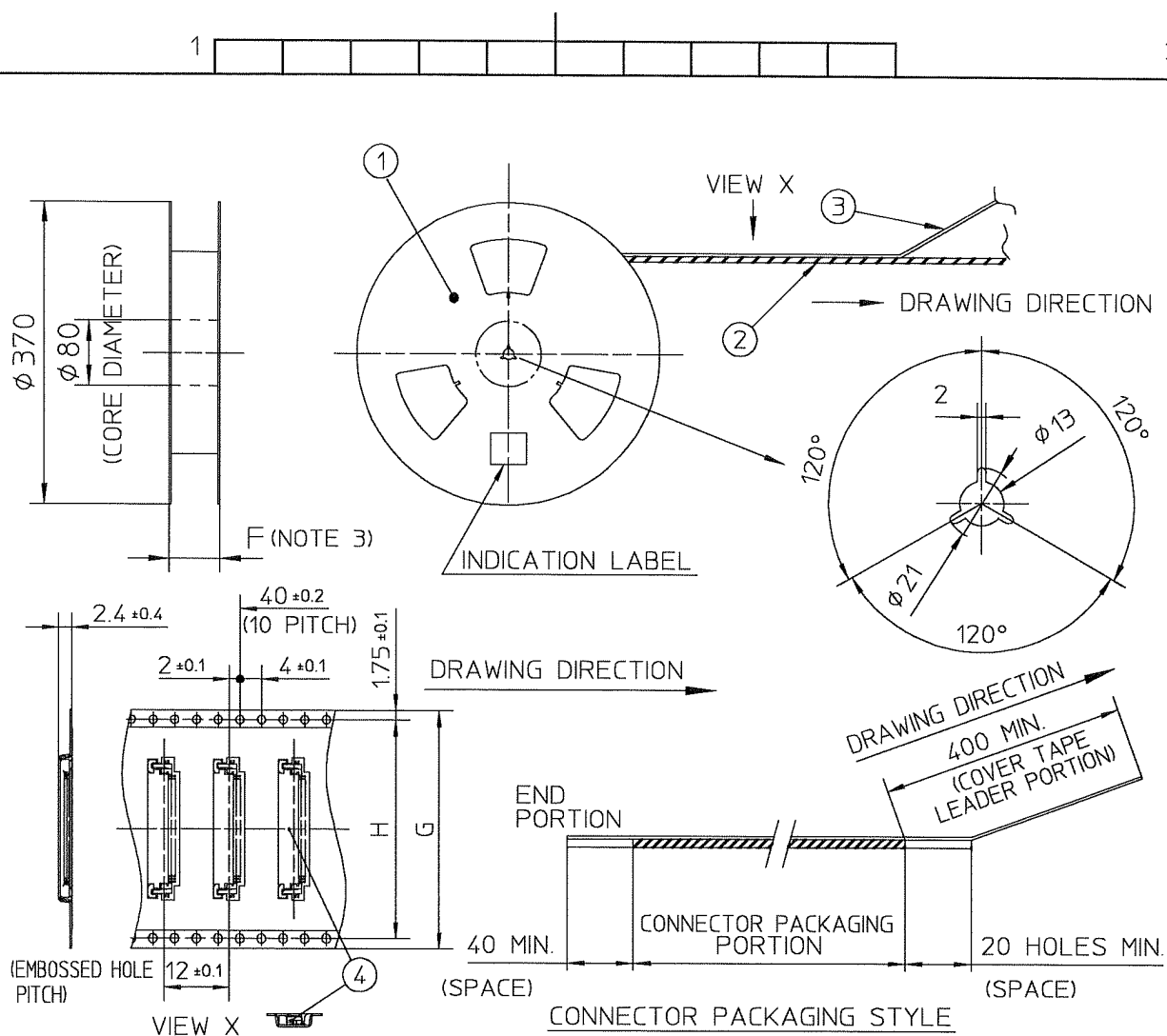


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-1ST__LF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

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.

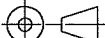
[illegible]



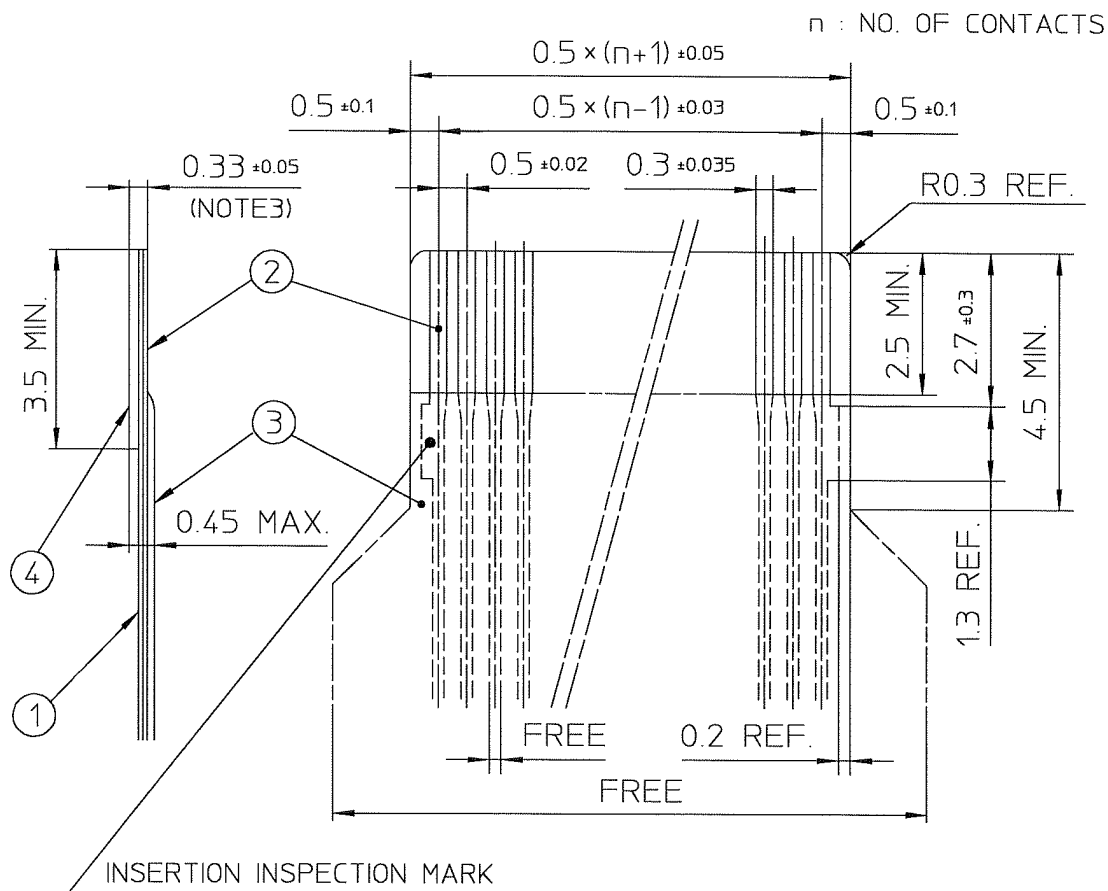
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	—	A-PET	—	COLOR : TRANSPARENCY
3	COVER	—	POLYESTER	—	COLOR : TRANSPARENCY
4	CONNECTOR	SFV_R-2ST_LF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPS 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-2STE1LF)									
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°														
				dr	<i>H. Pichay</i>		<i>9/7/06</i>			dwg no						sheet 1 of 1		size		
				engr	<i>H. Pichay</i>		<i>9/7/06</i>			JSA 96149						A4				
				chr	<i>K. Phongs</i>		<i>9/8/06</i>													
				appd	<i>S. Re-dum</i>		<i>9/11/06</i>													
sheet index		revision sheet		C	1													Rev. C		

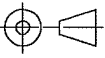
RECOMMENDED CABLE (FPC)



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

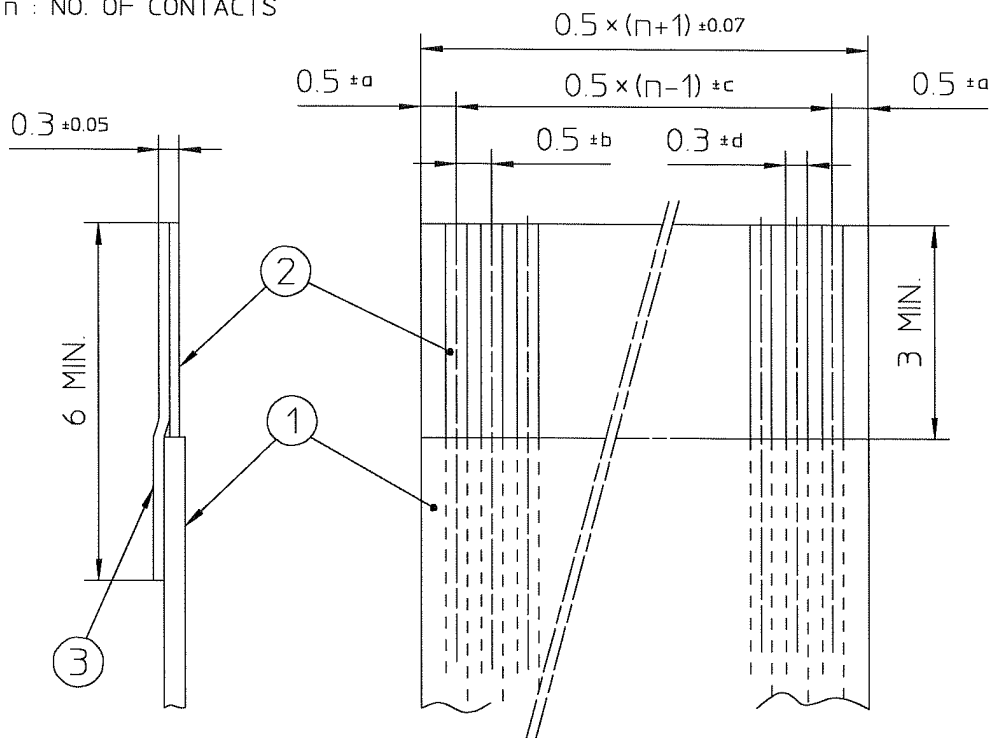
NOTES

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					
ltr		ecn no		dr		date		tolerances unless otherwise specified				title			
1		—		M.H		'94/12/8		angles linear				RECOMMENDED CABLE			
AA		J03-0196		H.T		'03/5/1						(Cat. No. : SFV__R-1/2ST__)			
AB		J06-0372		H.T		'06/9/7									
												scale $\times$			
															
sheet index		revision sheet		AB		1						dwg no JSA 92456 sheet 1 of 1 size A4			
												type Product Customer Drawing			
												Rev. AB			

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 μm	PLATING : TIN OR SOLDER 1 μm 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	tolerances unless otherwise specified			title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)			
1		S.I	'93/9/9	angles	linear					
2		M.H	'94/12/8				dwg no JSA 92457			
AA	J03-0196	H.T	'03/5/1			scale $\propto$				
AB	J06-0372	H.T	'06/9/7	dr	<i>[Signature]</i>	11/27/06	sheet 1 of 1 size A4			
AC	J06-0499	H.T	'06/11/27	enr	<i>[Signature]</i>	11/27/06				
				chr	<i>[Signature]</i>	11/27/06	type Product Customer Drawing			
				appd	<i>[Signature]</i>	11/28/06				
sheet index	revision sheet	AC	1							Rev. AC