



FCIconnect.com

Copyright FCI

1

2

List of "SFV__R-3/4STBE1LF" customer document

DOCUMENT NO.	LIST
SC-SFV07	SPEC.
JSA96185	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3/4STB_LF)
JSA96186	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV__R-3STB_LF)
JSA96187	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV__R-4STB_LF)
JSA96188	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3/4STBE1LF)
JSA96189	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3STBE1LF)
JSA96190	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-4STBE1LF)
JSA96191	RECOMMENDED CABLE (FPC) (SFV__R-3/4ST_LF)
BJM-SFV102	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 CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-3/4STBE1LF)			
A	J04-0454	H.T	'05/2/7	angles		linear		scale $\times$					
B	J06-0372	H.T	'06/9/7							dwg no JSA 96184 sheet 1 of 1 size A4			
										type Product Customer Drawing			
sheet index	revision sheet	B	1							Rev. B			

form: A4

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-3/4STB__LF	7.5	5.9	1.5	1.6
5	SFV5R-3/4STB__LF	8.0	6.4	2.0	2.1
6	SFV6R-3/4STB__LF	8.5	6.9	2.5	2.6
7	SFV7R-3/4STB__LF	9.0	7.4	3.0	3.1
8	SFV8R-3/4STB__LF	9.5	7.9	3.5	3.6
9	SFV9R-3/4STB__LF	10.0	8.4	4.0	4.1
10	SFV10R-3/4STB__LF	10.5	8.9	4.5	4.6
11	SFV11R-3/4STB__LF	11.0	9.4	5.0	5.1
12	SFV12R-3/4STB__LF	11.5	9.9	5.5	5.6
13	SFV13R-3/4STB__LF	12.0	10.4	6.0	6.1
14	SFV14R-3/4STB__LF	12.5	10.9	6.5	6.6
15	SFV15R-3/4STB__LF	13.0	11.4	7.0	7.1
16	SFV16R-3/4STB__LF	13.5	11.9	7.5	7.6
17	SFV17R-3/4STB__LF	14.0	12.4	8.0	8.1
18	SFV18R-3/4STB__LF	14.5	12.9	8.5	8.6
19	SFV19R-3/4STB__LF	15.0	13.4	9.0	9.1
20	SFV20R-3/4STB__LF	15.5	13.9	9.5	9.6
21	SFV21R-3/4STB__LF	16.0	14.4	10.0	10.1
22	SFV22R-3/4STB__LF	16.5	14.9	10.5	10.6
23	SFV23R-3/4STB__LF	17.0	15.4	11.0	11.1
24	SFV24R-3/4STB__LF	17.5	15.9	11.5	11.6
25	SFV25R-3/4STB__LF	18.0	16.4	12.0	12.1
26	SFV26R-3/4STB__LF	18.5	16.9	12.5	12.6
27	SFV27R-3/4STB__LF	19.0	17.4	13.0	13.1
28	SFV28R-3/4STB__LF	19.5	17.9	13.5	13.6
29	SFV29R-3/4STB__LF	20.0	18.4	14.0	14.1
30	SFV30R-3/4STB__LF	20.5	18.9	14.5	14.6
31	SFV31R-3/4STB__LF	21.0	19.4	15.0	15.1
32	SFV32R-3/4STB__LF	21.5	19.9	15.5	15.6
33	SFV33R-3/4STB__LF	22.0	20.4	16.0	16.1
34	SFV34R-3/4STB__LF	22.5	20.9	16.5	16.6
35	SFV35R-3/4STB__LF	23.0	21.4	17.0	17.1

CAT. NO.

SFV (n) R - 3 ST B _ _ 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 COPES 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 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-3/4STB__LF)			
A	J04-0454	H.T	'05/2/7	angles	linear								
B	J06-0372	H.T	'06/9/7					scale X					
				dr	9/9/06				dwg no		sheet 1 of 1	size	
				engr	9/7/06				JSA 96185		A4		
				chr	9/8/06								
				appd	9/10/06								
sheet index	revision	B										Rev. B	

SC-SFV07 JSA96186, 96187, 96188, 96191
form: A4

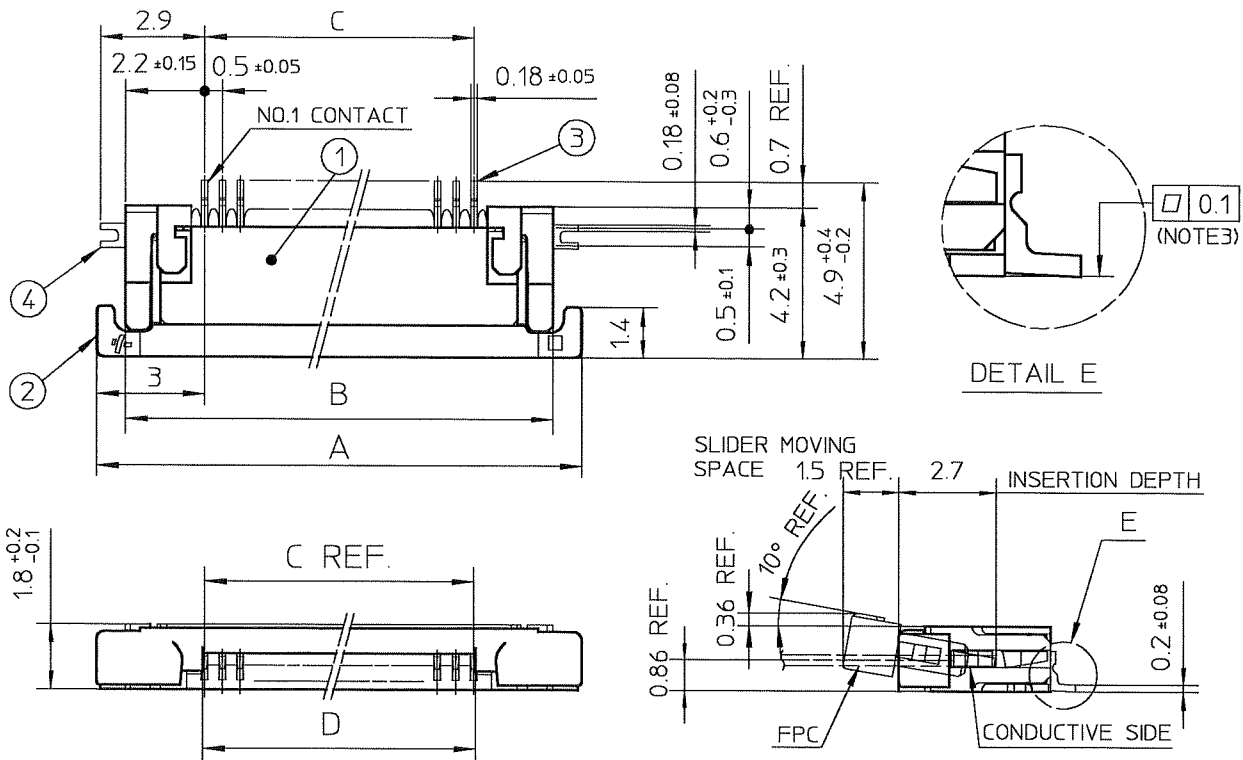
1

2



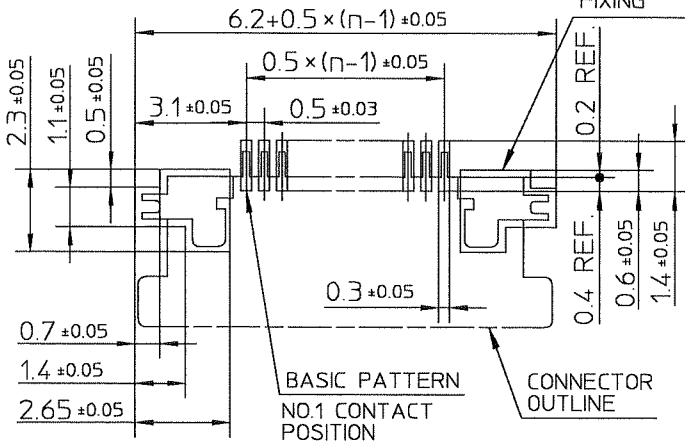
FCIconnect.com

Copyright FCI



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 : GOLD
4	MOUNTING PLATE		2	PLATING : LEAD FREE

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 AND COPS 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.

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 WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-3STB__LF)										
A	J04-0454	H.T	'05/2/7	angles	linear	±0.2													
B	J05-0710	H.T	'05/10/21																
C	J06-0064	H.T	'06/2/23					scale X	dwg no JSA 96186 sheet 1 of 1 size A4										
D	J06-0372	H.T	'06/9/7	dr	<i>K. Shoult</i>	9/7/06													
				enr	<i>K. Shoult</i>	9/7/06			type Product Customer Drawing										
				chr	<i>K. Shoult</i>	9/8/06													
				appd	<i>S. Sudana</i>	9/10/06													
sheet index		revision sheet		D 1															Rev. D

SC-SFV07 JSA96185
form: A4

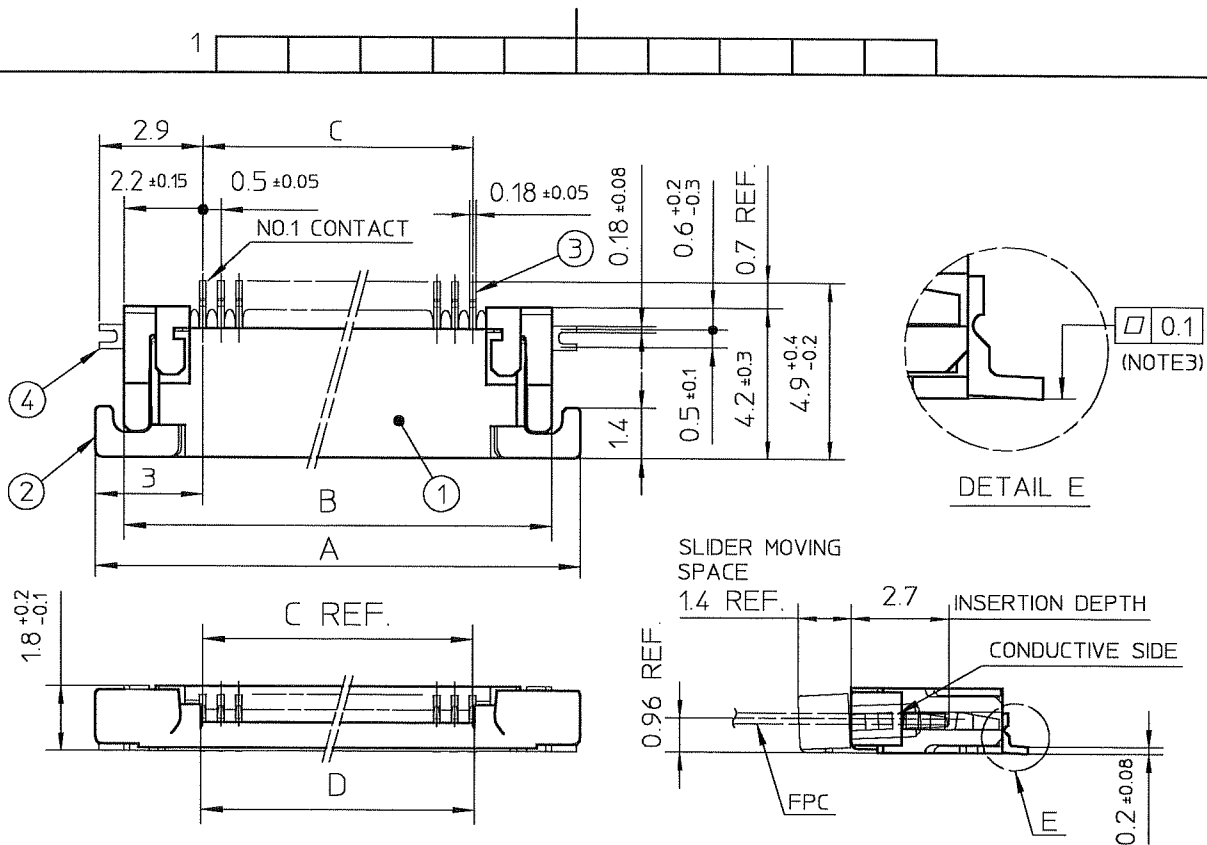
1

2

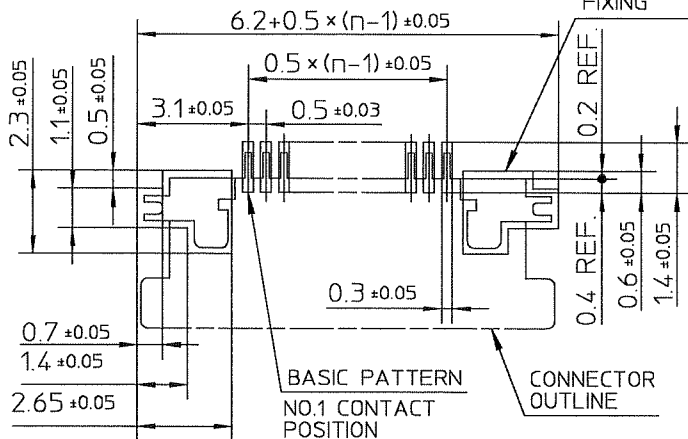


FCIconnect.com

Copyright FCI

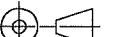


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD
4	MOUNTING PLATE		2	PLATING : LEAD FREE

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 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		projection 		product family 58EF																			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-4STB__LF)																			
A	J04-0454	H.T	'05/2/7	angles	linear	±0.2														 scale X									
B	J04-0710	H.T	'05/10/21																										
C	J06-0064	H.T	'06/2/23																										
D	J06-0372	H.T	'06/9/7	dr	<i>[Signature]</i>		<i>9/7/06</i>				dwg no				sheet 1 of 1				size										
				engr	<i>[Signature]</i>		<i>9/7/06</i>				JSA 96187				A4														
				chr	<i>R. Shroy</i>		<i>7/8/06</i>																						
				appd	<i>S. Sridharan</i>		<i>9/10/06</i>																						
sheet index		revision sheet		D	1														Rev. D										

SC-SFV07 JSA96185
form: A4

1

2

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV 4R-3/4STBE1LF	20.4	16	—
5	SFV 5R-3/4STBE1LF	20.4	16	—
6	SFV 6R-3/4STBE1LF	20.4	16	—
7	SFV 7R-3/4STBE1LF	28.4	24	—
8	SFV 8R-3/4STBE1LF	28.4	24	—
9	SFV 9R-3/4STBE1LF	28.4	24	—
10	SFV10R-3/4STBE1LF	28.4	24	—
11	SFV11R-3/4STBE1LF	28.4	24	—
12	SFV12R-3/4STBE1LF	28.4	24	—
13	SFV13R-3/4STBE1LF	28.4	24	—
14	SFV14R-3/4STBE1LF	28.4	24	—
15	SFV15R-3/4STBE1LF	28.4	24	—
16	SFV16R-3/4STBE1LF	28.4	24	—
17	SFV17R-3/4STBE1LF	28.4	24	—
18	SFV18R-3/4STBE1LF	28.4	24	—
19	SFV19R-3/4STBE1LF	28.4	24	—
20	SFV20R-3/4STBE1LF	28.4	24	—
21	SFV21R-3/4STBE1LF	28.4	24	—
22	SFV22R-3/4STBE1LF	28.4	24	—
23	SFV23R-3/4STBE1LF	36.4	32	28.4
24	SFV24R-3/4STBE1LF	36.4	32	28.4
25	SFV25R-3/4STBE1LF	36.4	32	28.4
26	SFV26R-3/4STBE1LF	36.4	32	28.4
27	SFV27R-3/4STBE1LF	36.4	32	28.4
28	SFV28R-3/4STBE1LF	36.4	32	28.4
29	SFV29R-3/4STBE1LF	36.4	32	28.4
30	SFV30R-3/4STBE1LF	36.4	32	28.4
31	SFV31R-3/4STBE1LF	48.4	44	40.4
32	SFV32R-3/4STBE1LF	48.4	44	40.4
33	SFV33R-3/4STBE1LF	48.4	44	40.4
34	SFV34R-3/4STBE1LF	48.4	44	40.4
35	SFV35R-3/4STBE1LF	48.4	44	40.4

CAT. NO. SFV (n) R - 3 ST B E1 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)

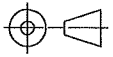
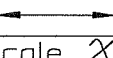
PLATING VARIATION

PACKAGE STYLE

LEAD FREE

NOTES

- THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
- THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED
- SEE PART DRAWINGS FOR DIMENSIONS F-H.
- THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

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	J04-0454	H.T	'05/2/7	angles linear						CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3/4STBE1LF)			
B	J06-0372	H.T	'06/9/7					scale X		dwg no sheet 1 of 1 size			
				dr						JSA 96188 A4			
				enrg						type Product Customer Drawing			
				chr									
				appd									
sheet index	revision sheet	B	1							Rev. B			

SC-SFV07 JSA96185 96189 96190
form: A4

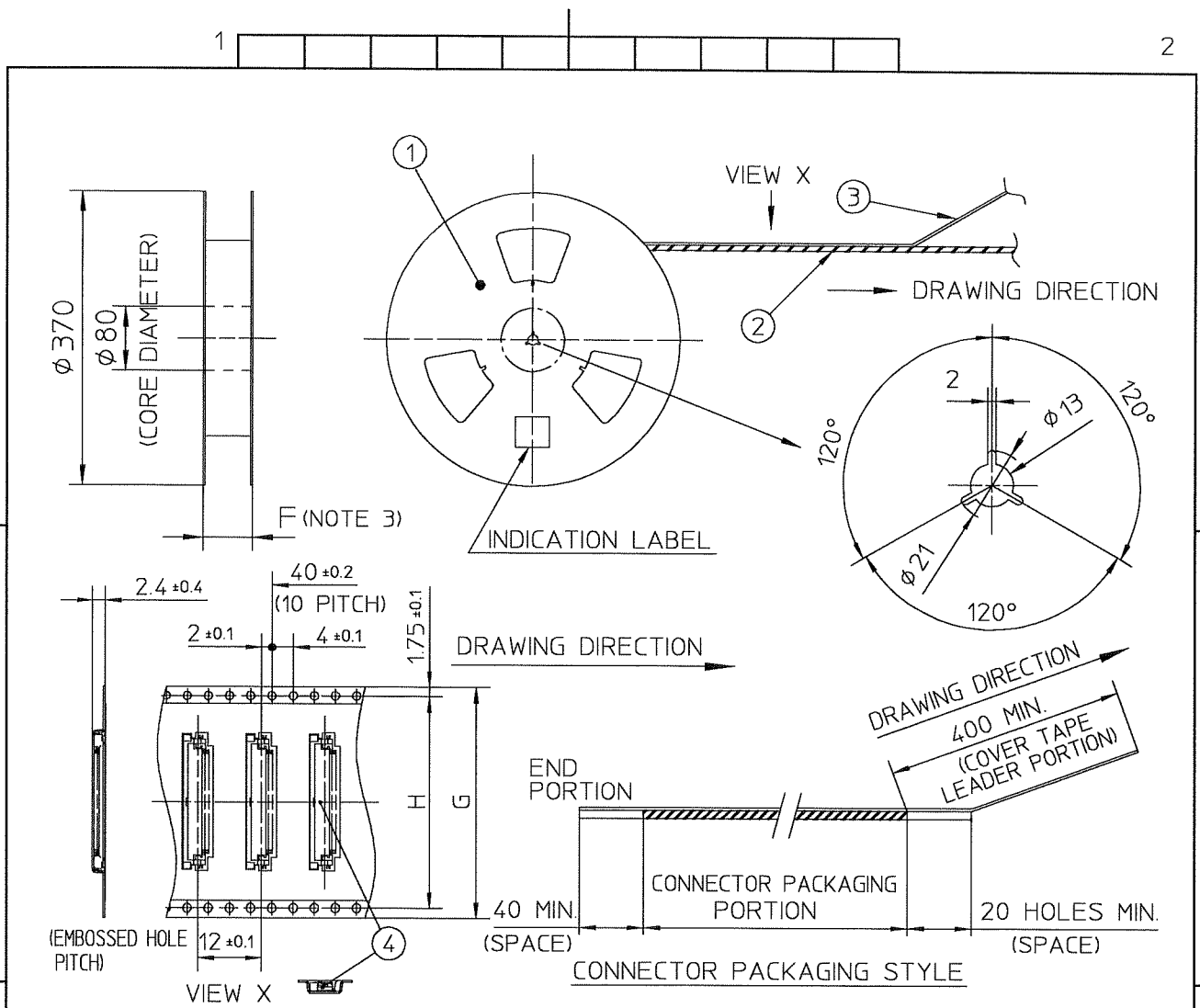
1

2



FCIconnect.com

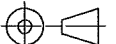
Copyright FCI



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-3STB__LF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE WITH CABLE LOCK MECHANISM

NOTES

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

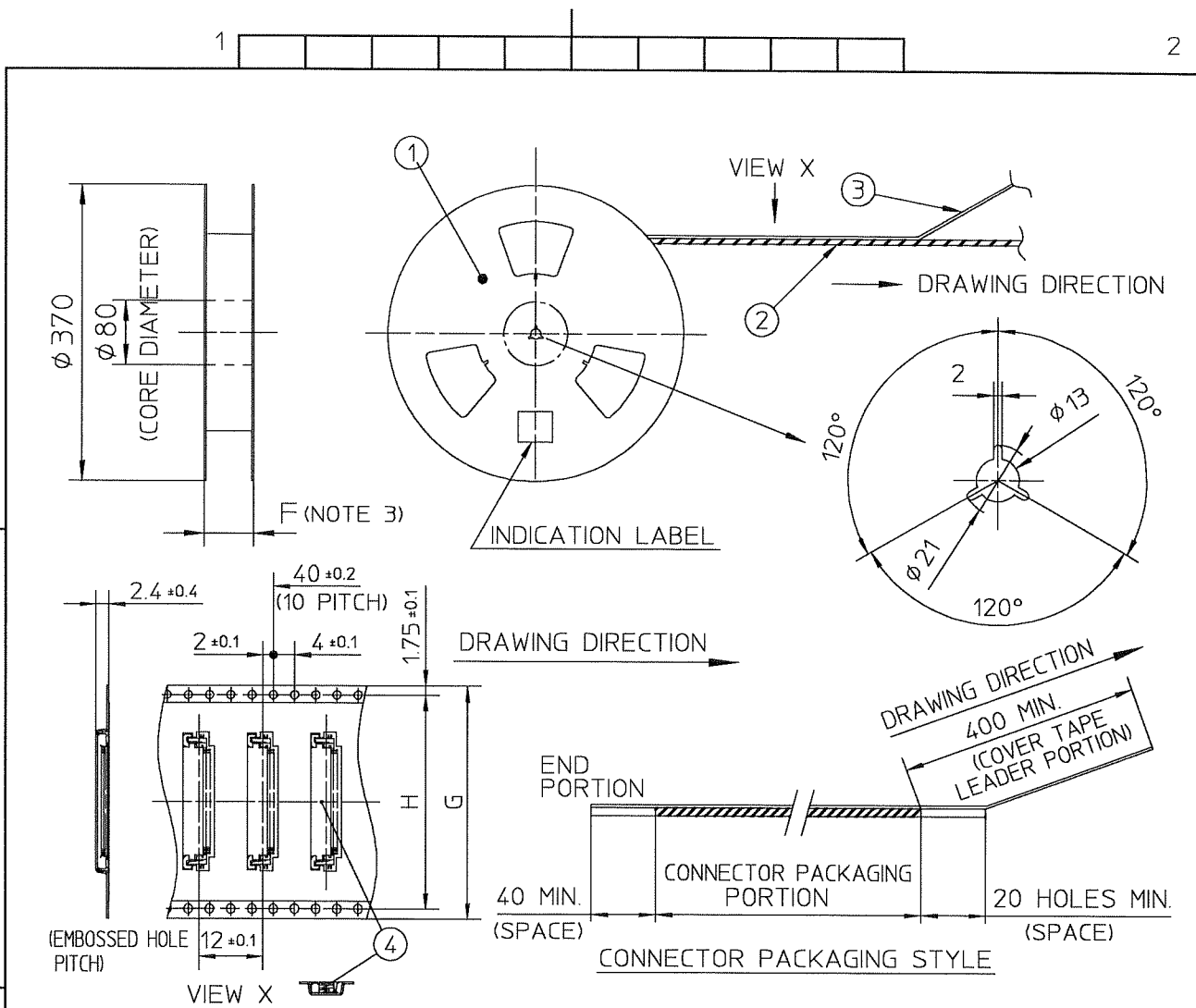
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58EF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
ltr	ecn no	dr	date	tolerances unless otherwise specified							title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3STBE1LF)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
A	J04-0454	H.T	'05/2/7	angles	linear	±5					scale X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
B	J06-0372	H.T	'06/9/7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						±5°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				dr	<i>[Signature]</i>		9/7/06			dwg no					sheet 1 of 1					size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				engr	<i>[Signature]</i>		9/7/06			JSA 96189										A4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				chr	<i>R. Shoun</i>		9/8/06																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				appd	<i>[Signature]</i>		9/11/06																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
sheet index		revision sheet		B	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

SC-SFV07
form: A4

JSA96188

1

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-4STB__LF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE WITH CABLE LOCK MECHANISM

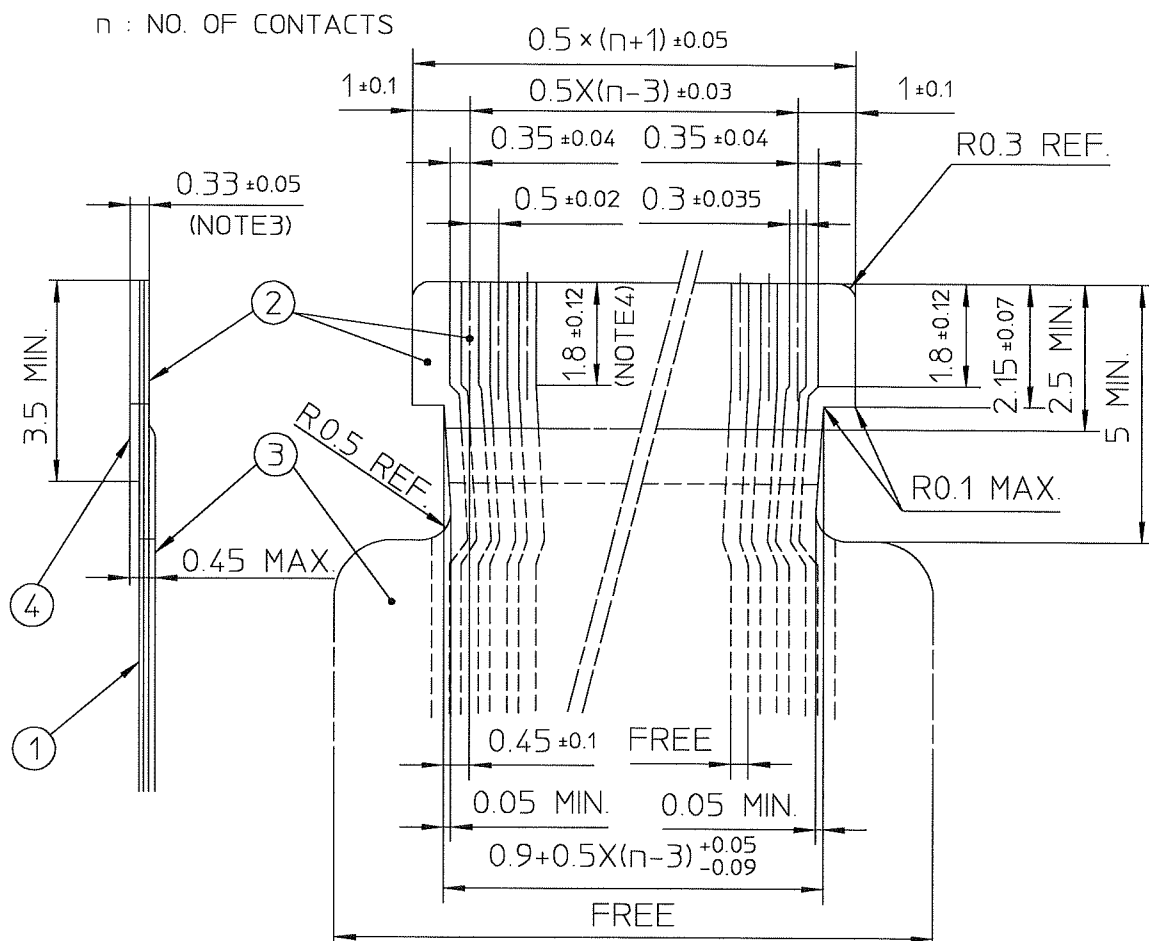
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPES 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-4STBE1LF)			
A	J04-0454	H.T	'04/2/7	angles	linear	⊕				
B	J06-0372	H.T	'06/9/7	±5°		⊕	dwg no			
				dr	9/7/06	⊕	sheet 1 of 1			
				enr	9/7/06	⊕	JSA 96190			
				chr	9/8/06	⊕	type Product Customer Drawing			
				appd	9/11/06	⊕				
sheet index	revision	B								Rev. B

SC-SFV07 JSA96188
form: A4

RECOMMENDED CABLE (FPC)



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 ± 0.035 CONDUCTOR WIDTH.

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	J04-0454	H.T	'05/2/7	angles linear						RECOMMENDED CABLE (Cat. No. : SFV__R-3/4ST__LF)			
B	J06-0372	H.T	'06/9/7										
				dr		9/7/06				dwg no			
				enr		9/7/06				sheet 1 of 1			
				chr		9/8/06				JSA 96191			
				appd		9/10/06				A4			
sheet index				revision		B				type Product Customer Drawing			
				sheet		1				Rev. B			