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List of "SFV__R-1/2STE1HLF" customer document

DOCUMENT NO.	LIST
10112793(Sheet1)	DOCUMENT LIST
10112793(Sheet2)	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1/2ST_HLF)
10112793(Sheet3)	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV__R-1ST_HLF)
10112793(Sheet4)	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV__R-2ST_HLF)
10112793(Sheet5)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1/2STE1HLF)
10112793(Sheet6)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1STE1HLF)
10112793(Sheet7)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-2STE1HLF)
10112793(Sheet8)	RECOMMENDED CABLE (FPC) (SFV__R-1/2ST__LF)
10112793(Sheet9)	RECOMMENDED CABLE (FFC) (SFV__R-1/2ST__)
GS-12-645	SPEC.
BJM-SFV101	HANDLING PROCEDURES

mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family 58EF		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles		mm		title 0.5mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-1/2STE1HLF)				
A	J10-0028	S.W	2010-2-8											
B	J10-0245	S.W	2010-9-14											
				dr	S. Nishida		2010-9-14				dwg no		sheet 1 of 9	size
				engr	S. Nishida		2010-9-14				10112793		A4	
				chr	H. Yamaguchi		2010-9-14							
				appd	M. Nishida		2010-9-14							
sheet index	revision	B	B	B	B	B	B	B	B	type Product Customer Drawing		Rev.		
	sheet	1	2	3	4	5	6	7	8			B		

form: A4

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__HLF	7.5	5.9	1.5	2.7
5	SFV5R-1/2ST__HLF	8.0	6.4	2.0	3.2
6	SFV6R-1/2ST__HLF	8.5	6.9	2.5	3.7
7	SFV7R-1/2ST__HLF	9.0	7.4	3.0	4.2
8	SFV8R-1/2ST__HLF	9.5	7.9	3.5	4.7
9	SFV9R-1/2ST__HLF	10.0	8.4	4.0	5.2
10	SFV10R-1/2ST__HLF	10.5	8.9	4.5	5.7
11	SFV11R-1/2ST__HLF	11.0	9.4	5.0	6.2
12	SFV12R-1/2ST__HLF	11.5	9.9	5.5	6.7
13	SFV13R-1/2ST__HLF	12.0	10.4	6.0	7.2
14	SFV14R-1/2ST__HLF	12.5	10.9	6.5	7.7
15	SFV15R-1/2ST__HLF	13.0	11.4	7.0	8.2
16	SFV16R-1/2ST__HLF	13.5	11.9	7.5	8.7
17	SFV17R-1/2ST__HLF	14.0	12.4	8.0	9.2
18	SFV18R-1/2ST__HLF	14.5	12.9	8.5	9.7
19	SFV19R-1/2ST__HLF	15.0	13.4	9.0	10.2
20	SFV20R-1/2ST__HLF	15.5	13.9	9.5	10.7
21	SFV21R-1/2ST__HLF	16.0	14.4	10.0	11.2
22	SFV22R-1/2ST__HLF	16.5	14.9	10.5	11.7
23	SFV23R-1/2ST__HLF	17.0	15.4	11.0	12.2
24	SFV24R-1/2ST__HLF	17.5	15.9	11.5	12.7
25	SFV25R-1/2ST__HLF	18.0	16.4	12.0	13.2
26	SFV26R-1/2ST__HLF	18.5	16.9	12.5	13.7
27	SFV27R-1/2ST__HLF	19.0	17.4	13.0	14.2
28	SFV28R-1/2ST__HLF	19.5	17.9	13.5	14.7
29	SFV29R-1/2ST__HLF	20.0	18.4	14.0	15.2
30	SFV30R-1/2ST__HLF	20.5	18.9	14.5	15.7
31	SFV31R-1/2ST__HLF	21.0	19.4	15.0	16.2
32	SFV32R-1/2ST__HLF	21.5	19.9	15.5	16.7
33	SFV33R-1/2ST__HLF	22.0	20.4	16.0	17.2
34	SFV34R-1/2ST__HLF	22.5	20.9	16.5	17.7
35	SFV35R-1/2ST__HLF	23.0	21.4	17.0	18.2

CAT. NO. SFV (n) R - 1 ST __ 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)

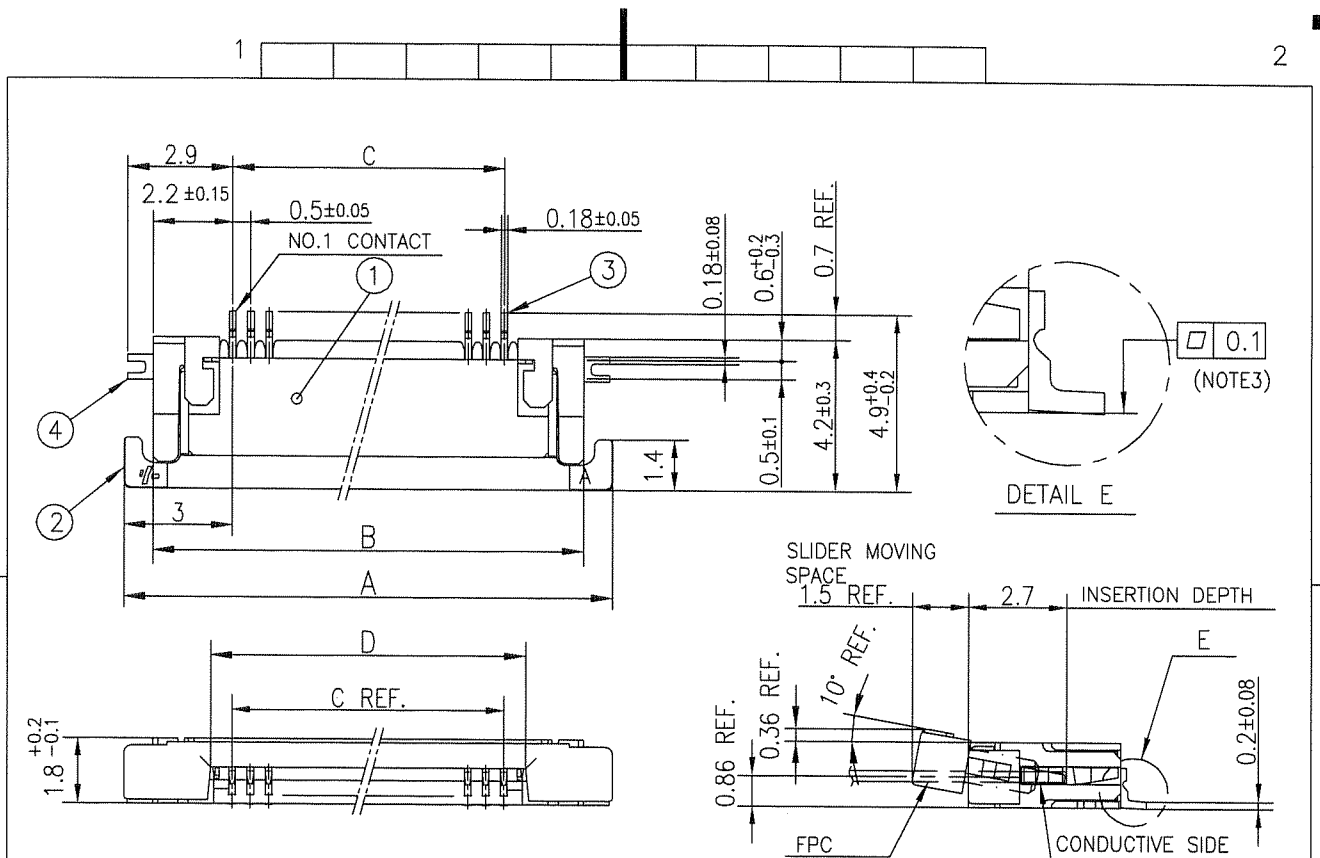
PACKAGE STYLE

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 ✓ tolerances, unless otherwise specified		tolerance ISO 406 ISO 1101		projection mm		product family 58EF		CODE JP	
ltr	ecn no	dr	date	angles	linear			mm		title CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2ST__HLF)			
B								scale X		dwg no 10112793			
				dr	2010-9-14				sheet 2 of 9		size A4		
				enr	2010-9-14								
				chr	2010-9-14								
				appd	2010-9-14								
sheet index		revision sheet										Rev B	

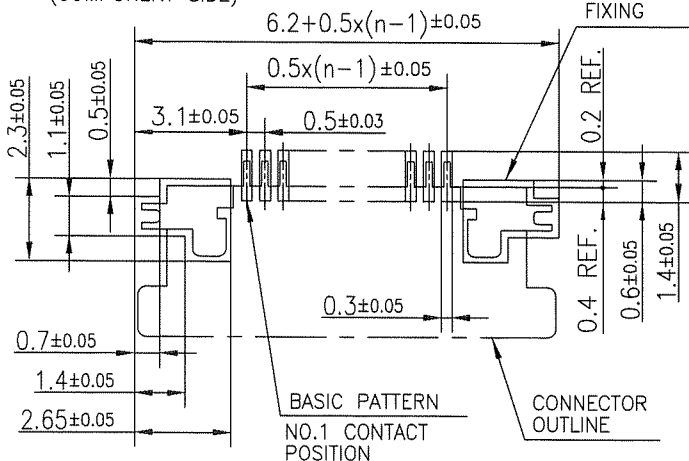


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
		4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)		
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : THIN TIN
4	MOUNTING PLATE		2	PLATING : LEAD FREE

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

PATTERN FOR
MOUNTING PLATE
FIXING

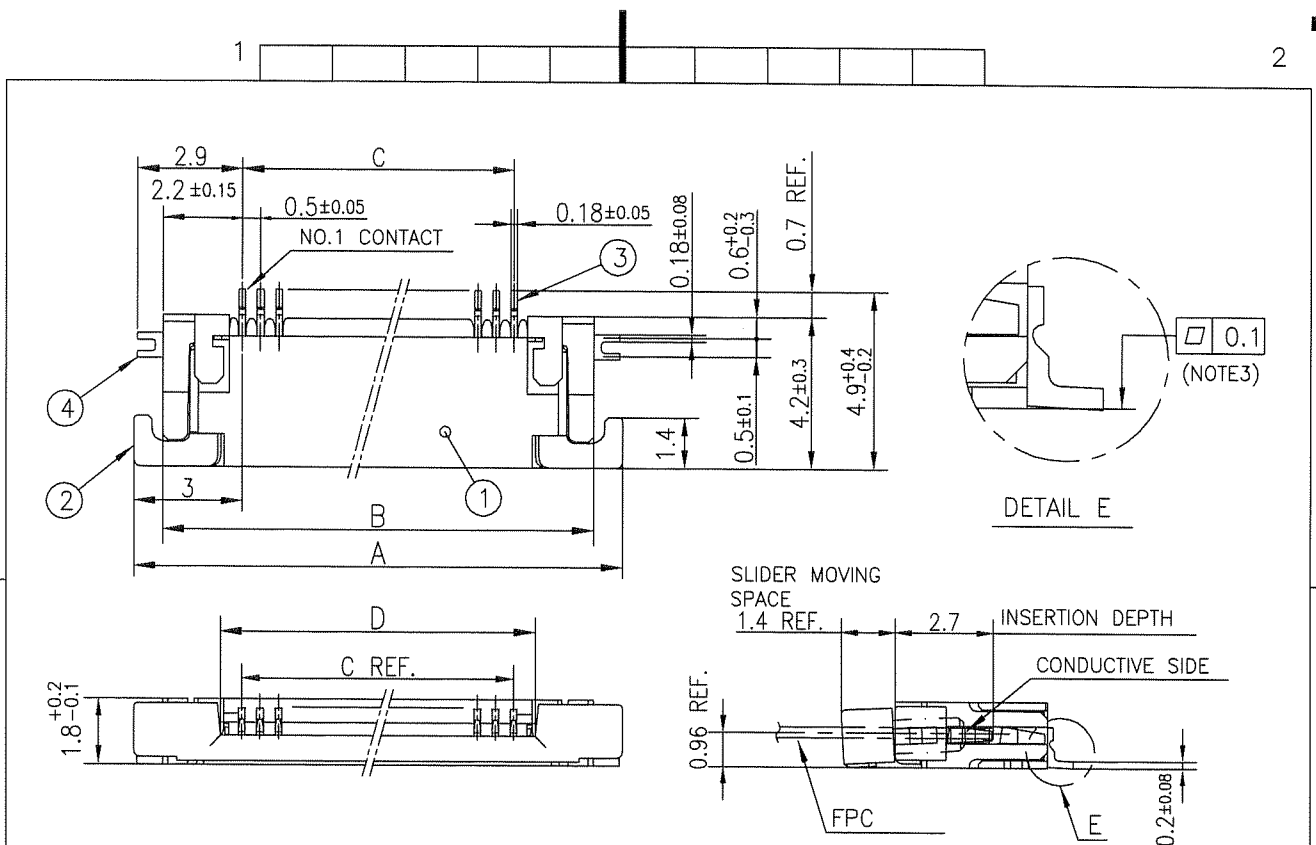
n : NO. OF CONTACTS



NOTES

- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS 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.

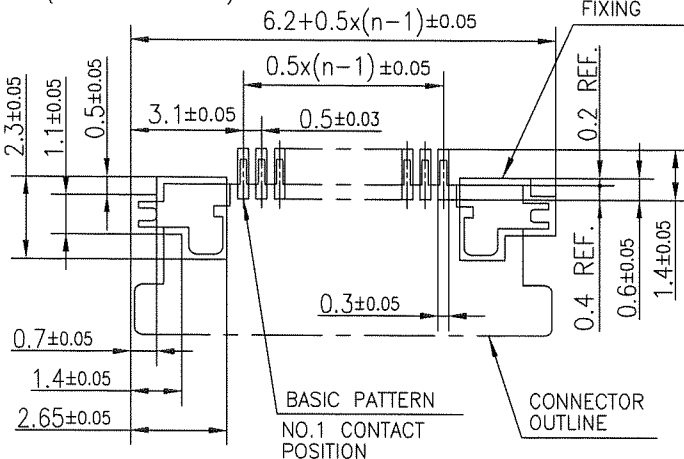
mat'l. code		surface ISO 1302 ✓ ISO 406 ISO 1101		tolerance ISO 406 ISO 1101	projection mm	product family 58EF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified	mm	title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat No. : SFV__R-1ST__HLF)	
B				angles linear	mm	dwg no 10112793	
				dr S. Mithala 2010-9-14	scale X	sheet 3 of 9 size A4	
				enr S. Mithala 2010-9-14	FCI	type Product Customer Drawing	
				chr M. SAMASILETA 2010-9-14		Rev. B	
				appd M. Mithala 2010-9-14			
sheet index	revision sheet						



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 : THIN TIN
4	MOUNTING PLATE		2	PLATING : LEAD FREE

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



- NOTES
- THIS PRODUCT IS THE CONNECTOR USED FOR FPC 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 mm	product family 58EF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified	linear	mm	title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2ST__HLF)	
B				angles	linear	mm	dwg no 10112793	
				dr	S. Nishida 2010-9-14	scale	sheet 4 of 9	size A4
				enr	S. Nishida 2010-9-14			
				chr	M. Saito 2010-9-14			
				appd	M. Saito Sep 16/10			
sheet index	revision sheet						type Product Customer Drawing	
								Rev. B

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV4R-1/2STE1HLF	20.4	16	—
5	SFV5R-1/2STE1HLF	20.4	16	—
6	SFV6R-1/2STE1HLF	20.4	16	—
7	SFV7R-1/2STE1HLF	28.4	24	—
8	SFV8R-1/2STE1HLF	28.4	24	—
9	SFV9R-1/2STE1HLF	28.4	24	—
10	SFV10R-1/2STE1HLF	28.4	24	—
11	SFV11R-1/2STE1HLF	28.4	24	—
12	SFV12R-1/2STE1HLF	28.4	24	—
13	SFV13R-1/2STE1HLF	28.4	24	—
14	SFV14R-1/2STE1HLF	28.4	24	—
15	SFV15R-1/2STE1HLF	28.4	24	—
16	SFV16R-1/2STE1HLF	28.4	24	—
17	SFV17R-1/2STE1HLF	28.4	24	—
18	SFV18R-1/2STE1HLF	28.4	24	—
19	SFV19R-1/2STE1HLF	28.4	24	—
20	SFV20R-1/2STE1HLF	28.4	24	—
21	SFV21R-1/2STE1HLF	28.4	24	—
22	SFV22R-1/2STE1HLF	28.4	24	—
23	SFV23R-1/2STE1HLF	36.4	32	28.4
24	SFV24R-1/2STE1HLF	36.4	32	28.4
25	SFV25R-1/2STE1HLF	36.4	32	28.4
26	SFV26R-1/2STE1HLF	36.4	32	28.4
27	SFV27R-1/2STE1HLF	36.4	32	28.4
28	SFV28R-1/2STE1HLF	36.4	32	28.4
29	SFV29R-1/2STE1HLF	36.4	32	28.4
30	SFV30R-1/2STE1HLF	36.4	32	28.4
31	SFV31R-1/2STE1HLF	48.4	44	40.4
32	SFV32R-1/2STE1HLF	48.4	44	40.4
33	SFV33R-1/2STE1HLF	48.4	44	40.4
34	SFV34R-1/2STE1HLF	48.4	44	40.4
35	SFV35R-1/2STE1HLF	48.4	44	40.4

CAT. NO.

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

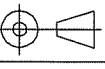
FOR AUTOMATIC MOUNTING (SMT)

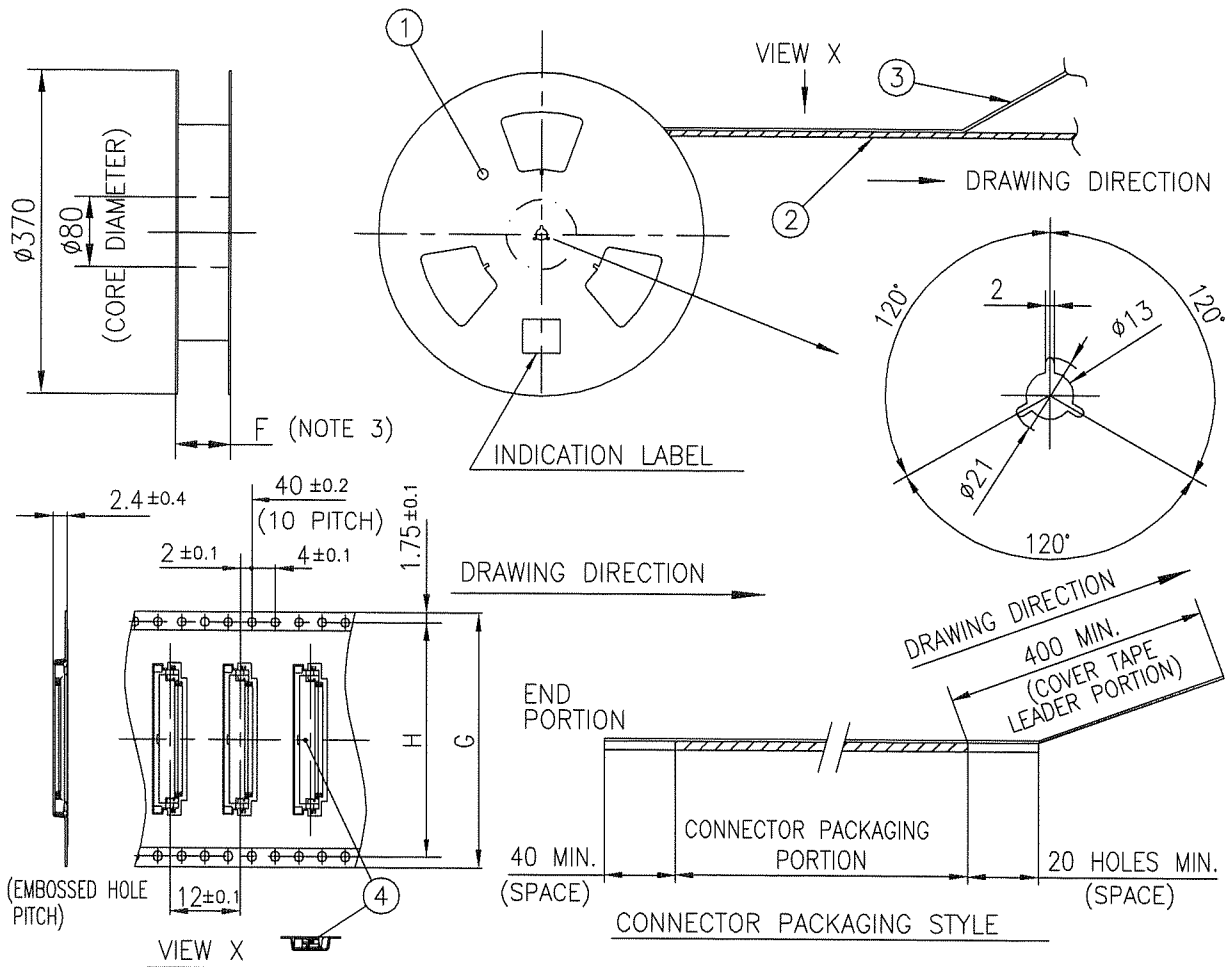
TAPE PACKAGING

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		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		scale X		title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STE1HLF)			
B				angles	linear					dwg no 10112793 sheet 5 of 9 size A4			
				dr	engr	chr	appd	FCJ		type Product Customer Drawing			
sheet index	revision sheet									Rev. B			

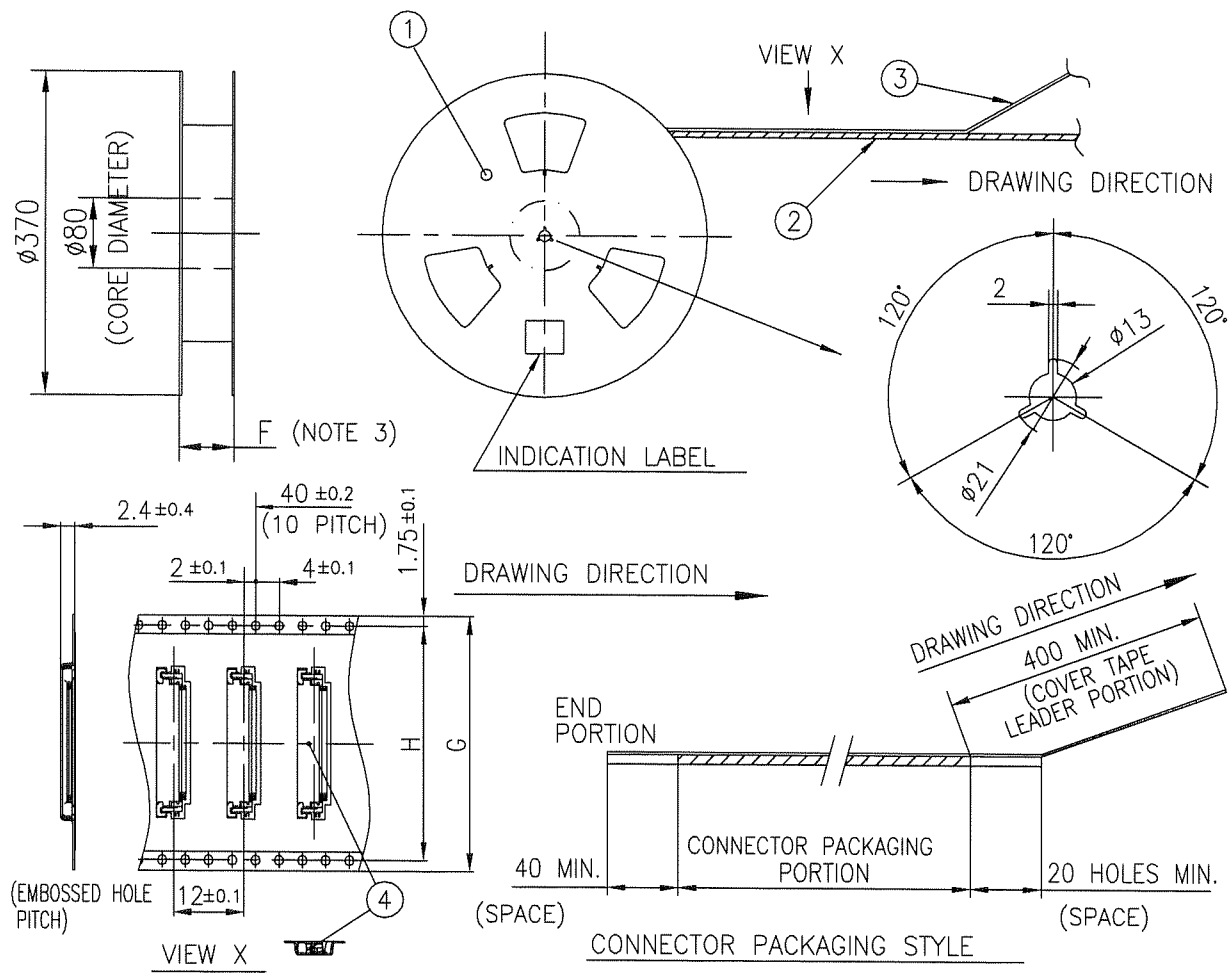


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-1ST__HLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

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 58 ☒ ISO 1302		tolerance ISO 406 ☒ ISO 1101		projection		product family 58EF		CODE JP
ltr	ecn	no	dr	date		tolerances unless otherwise specified				title		
B						angles linear ±5		mm		PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1STE1HLF)		
						±5'		scale X		dwg no 10112793		
						dr S. H. H. 2010-9-14		FCJ		sheet 6 of 9 size A4		
						enr S. H. H. 2010-9-14				type Product Customer Drawing		
						chr M. YAMASHITA 2010-9-14						
						appa M. H. 2010-9-14						
sheet index	revision sheet										Rev B	



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__HLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE

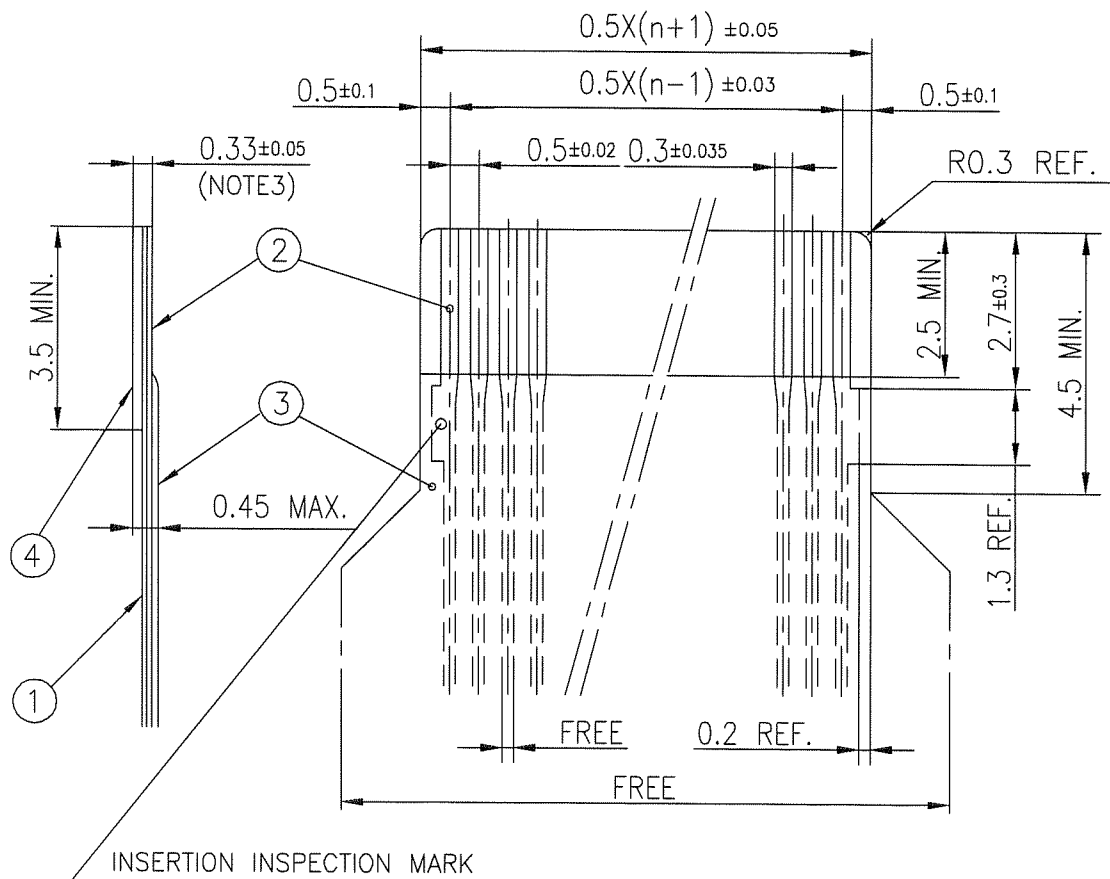
NOTES

- 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 ✓ tolerances unless otherwise specified		tolerance ISO 406 ISO 1101		projection mm		product family 58EF		CODE JP	
ltr	ecn no	dr	date	angles	linear	±5		mm		title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-2STE1HLF)			
B				±5'				scale		dwg no 10112793 sheet 7 of 9 size A4			
				dr	engr	chr	appd	FCJ		type Product Customer Drawing			
sheet index	revision sheet												Rev. 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 : SOLDER 1μm MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

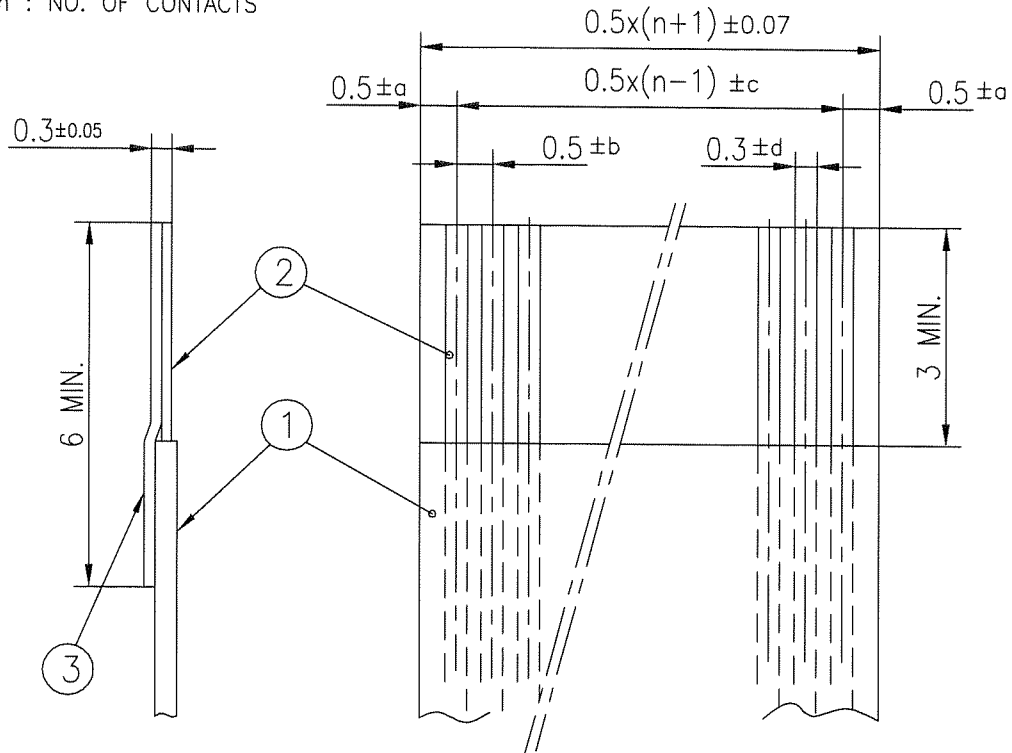
NOTES

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 ✓ tolerances unless otherwise specified		tolerance ISO 406 ISO 1101		projection mm		product family 58EF		CODE JP
ltr	ecn no	dr	date	angles	linear			mm		title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)		
B								scale X		dwg no 10112793		
				dr	S. Kishida	2010-9-14	FCJ		sheet 8 of 9		size A4	
				enr	S. Kishida	2010-9-14			10112793			
				chr	M. YAMAGUCHI	2010-9-14						
				app	M. YAMAGUCHI	2010-9-14						
sheet index		revision sheet										Rev. B

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							CODE JP								
litr ecn no dr date				tolerances unless otherwise specified						title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)															
B				angles		linear		mm 																	
								scale X																	
				dr		S. H. Khan 2010-9-14				dwg no sheet 9 of 9							size								
				enrg		S. H. Khan 2010-9-14				10112793							A4								
				chr		M. Y. M. A. S. I. Z. T. A. 2010-9-14																			
				appd		M. Y. M. A. S. I. Z. T. A. 2010-9-14																			
sheet index		revision sheet								type Product Customer Drawing														Rev. B	