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

ltr	ecn no	dr	date
A	J10-0028	S.W	2010-2-8
B	J10-0245	S.W	2010-9-14

mat'l. code

surface ISO 1302 ✓

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles | linear

projection

mm

scale X

dr	S. Wöhrle	2010-9-14
engr	S. Wöhrle	2010-9-14
chr	M. SPHABGETA	2010-9-16
appd	M. Wörn	Sep16/10

product family 58EF

CODE JP

title
0.5mm SPACING FPC CONNECTOR
DOCUMENT LIST
(Cat. No. : SFV__R-1/2STE1HLF)

dwg no 10112793

sheet 1 of 9

size A4

type Product Customer Drawing

sheet index	revision	B	B	B	B	B	B	B	B	B											Rev. B
	sheet	1	2	3	4	5	6	7	8	9											

form: A4

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

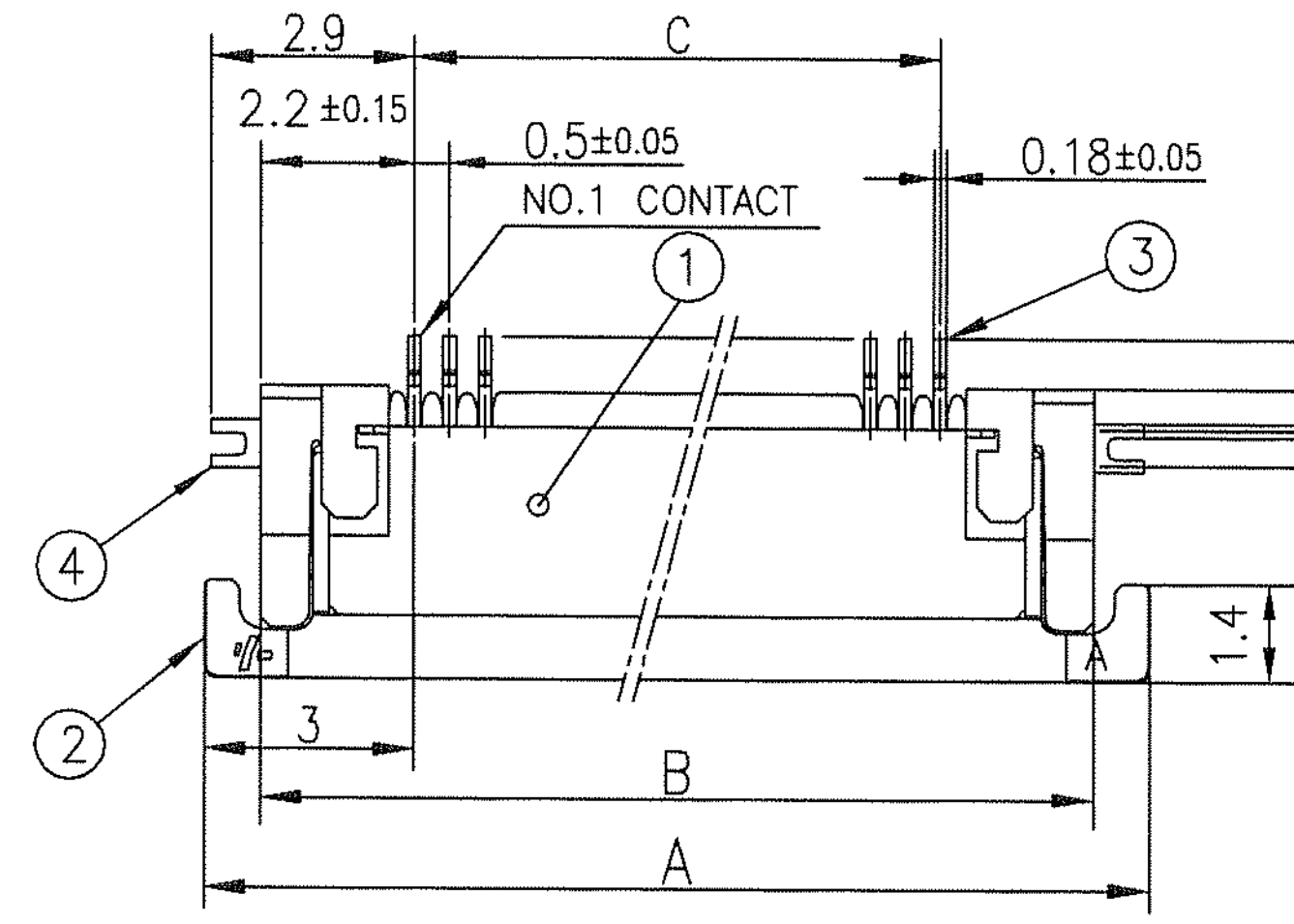
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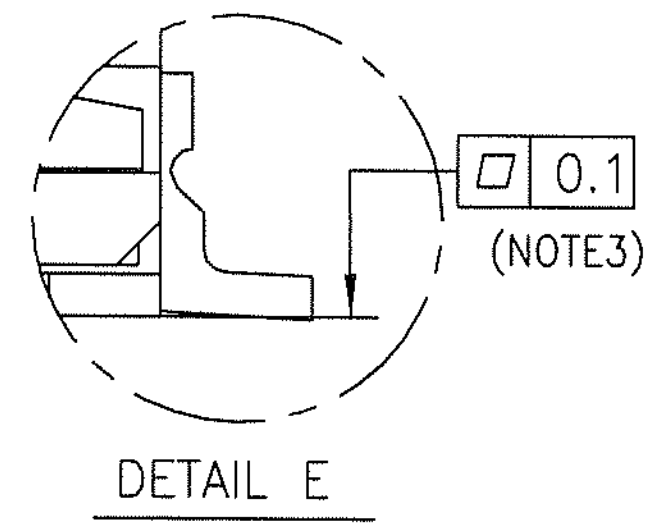
mat'l. code	surface ISO 1302	tolerance ISO 406 ISO 1101	projection
ltr ecn no dr date	tolerances unless otherwise specified		
B	angles	linear	mm
	dr S. Nichols 2010-9-14		scale X
	engr S. Nichols 2010-9-14		
	chr M. YAMAGUCHI 2010-9-14		
	appd M. Case Sep 16/10		

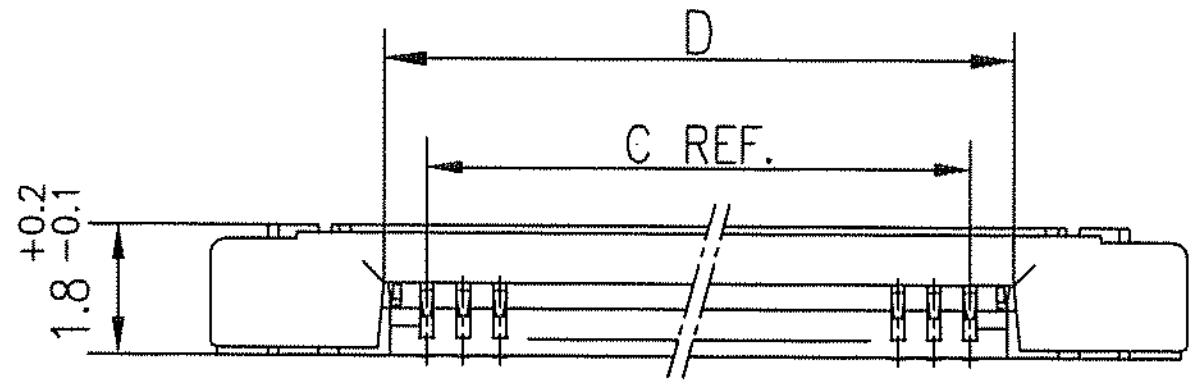
product family 58EF	CODE JP
title CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2ST__HLF)	
dwg no 10112793	sheet 2 of 9
size A4	
type Product Customer Drawing	

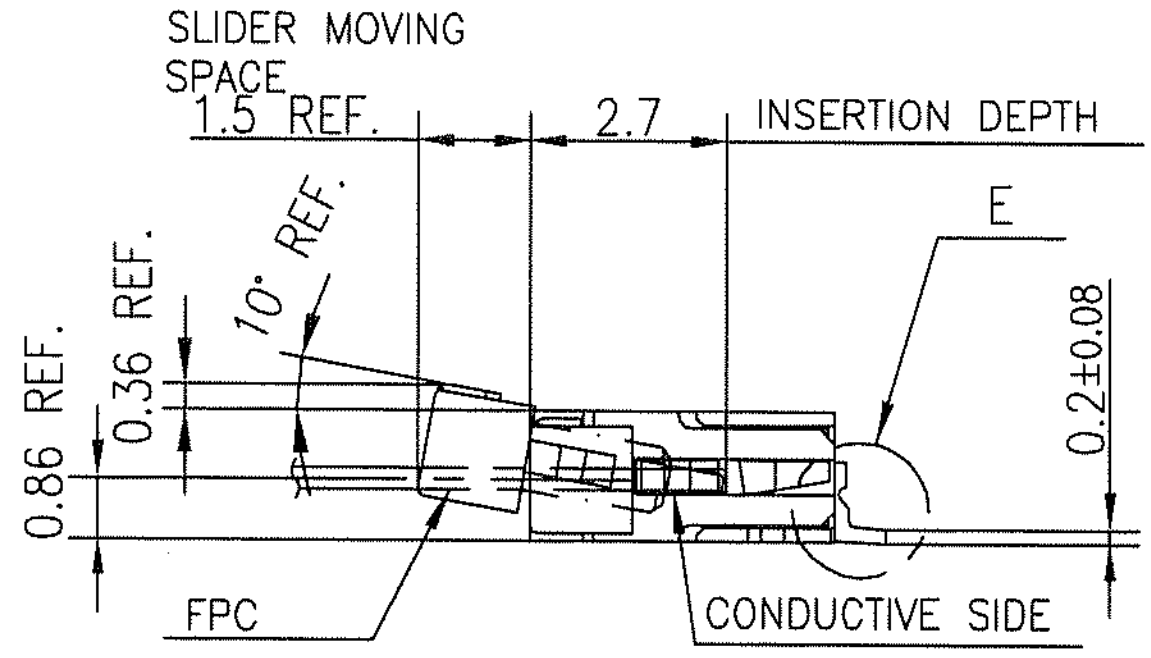
sheet index	revision sheet	Rev. B

form: A4





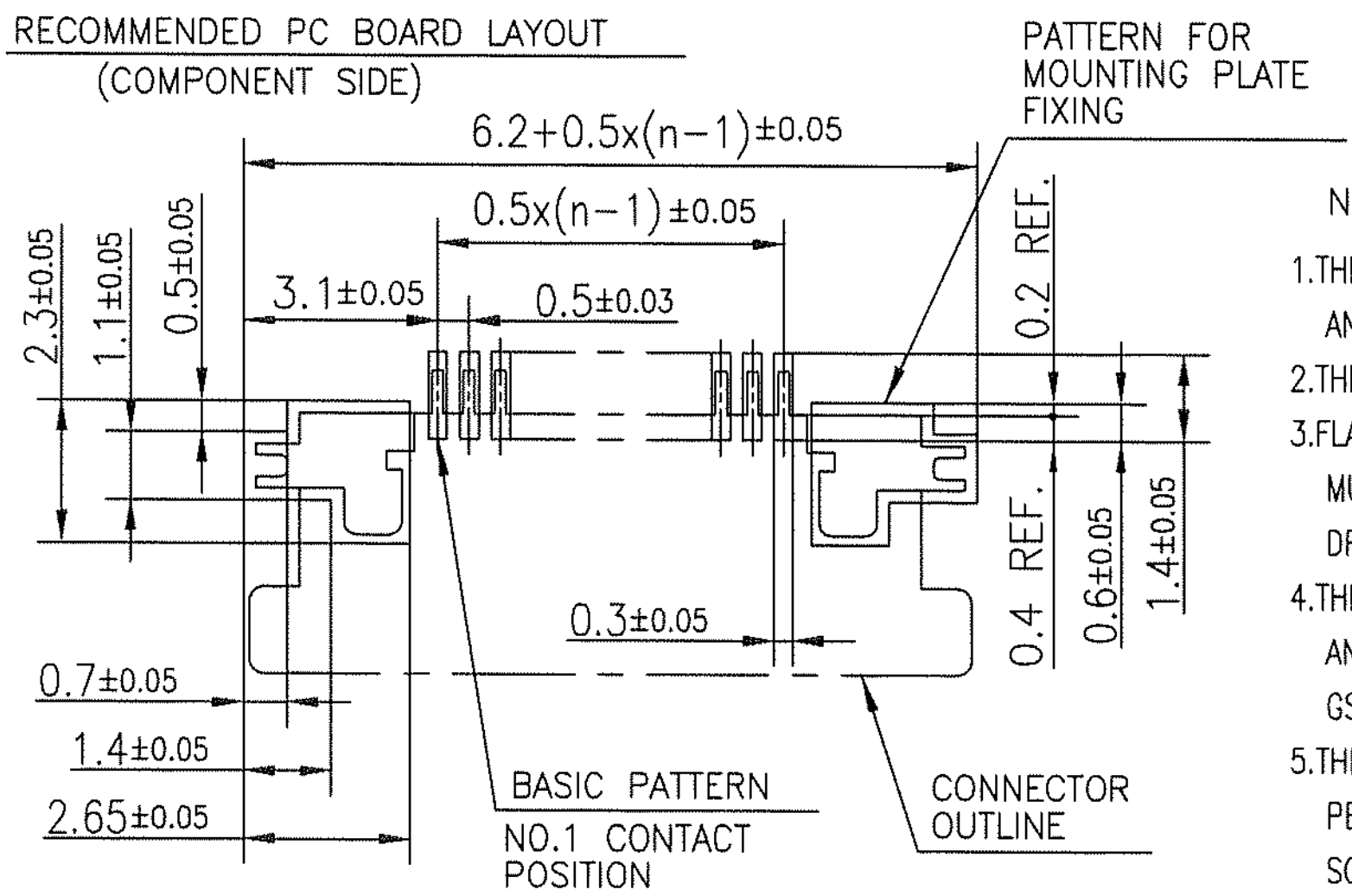




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : THIN TIN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

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC 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

tolerances unless otherwise specified

angles | linear | ±0.2

mm

scale ✗

ltr	ecn no	dr	date
B			

dr	S. Watanabe	2010-9-14
engr	S. Watanabe	2010-9-14
chr	M.YAMASHITA	2010-9-14
appd	[illegible]	Sep 16/10

product family 58EF

CODE JP

title
CONNECTOR USED FOR FPC
WITH 0.5 mm CONTACT SPACING
(Cat No. : SFV__R-1ST__HLF)

dwg no 10112793

sheet 3 of 9

size A4

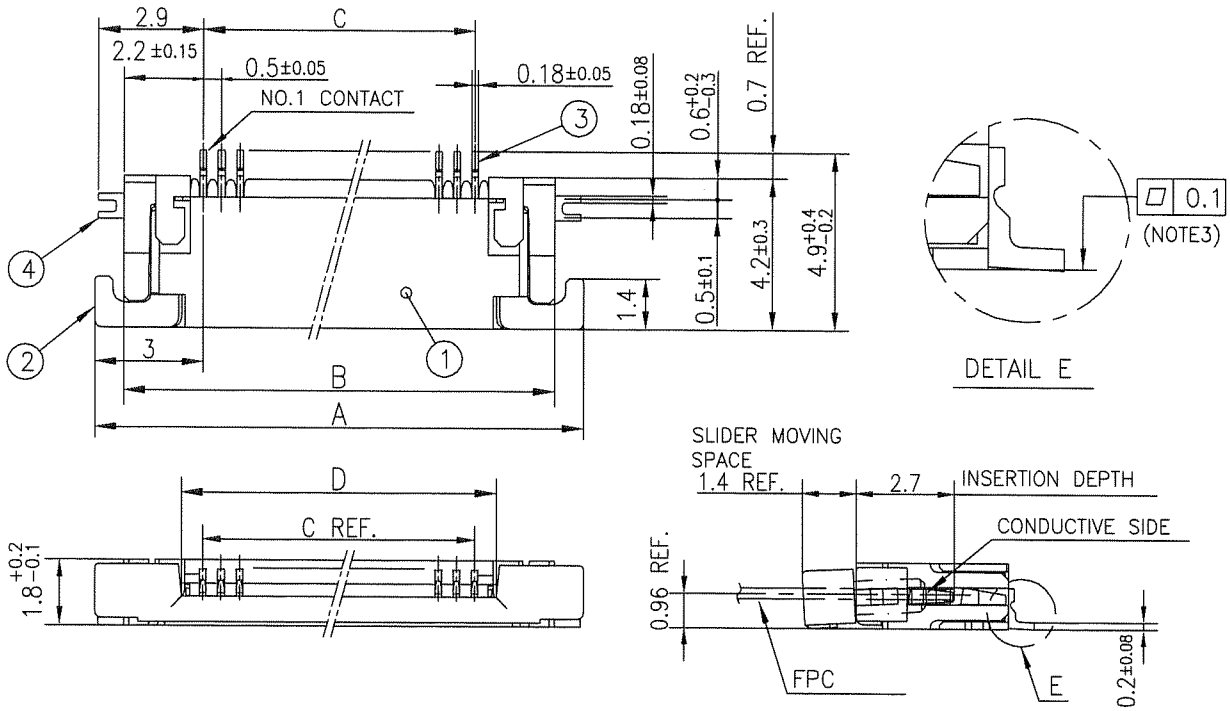
type Product Customer Drawing

sheet index | revision sheet

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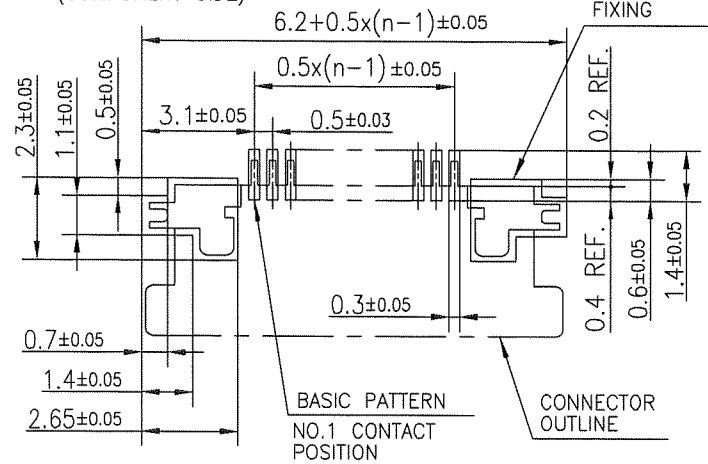
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PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN 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
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPES 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	CODE JP
ltr	ecn no / dr / date	tolerances unless otherwise specified			title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2ST__HLF)	
B		angles	linear ±0.2	mm		
				scale X		
		dr	S. Nishida 2010-9-14		dwg no 10112793	sheet 4 of 9 size A4
		engr	S. Nishida 2010-9-14			
		chr	M. YAMASHITA 2010-9-16			
		appd	Sep/16/10		type Product Customer Drawing	
sheet index	revision sheet					Rev. B

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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. SFV (n) R – 1 ST E1 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)
- 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.

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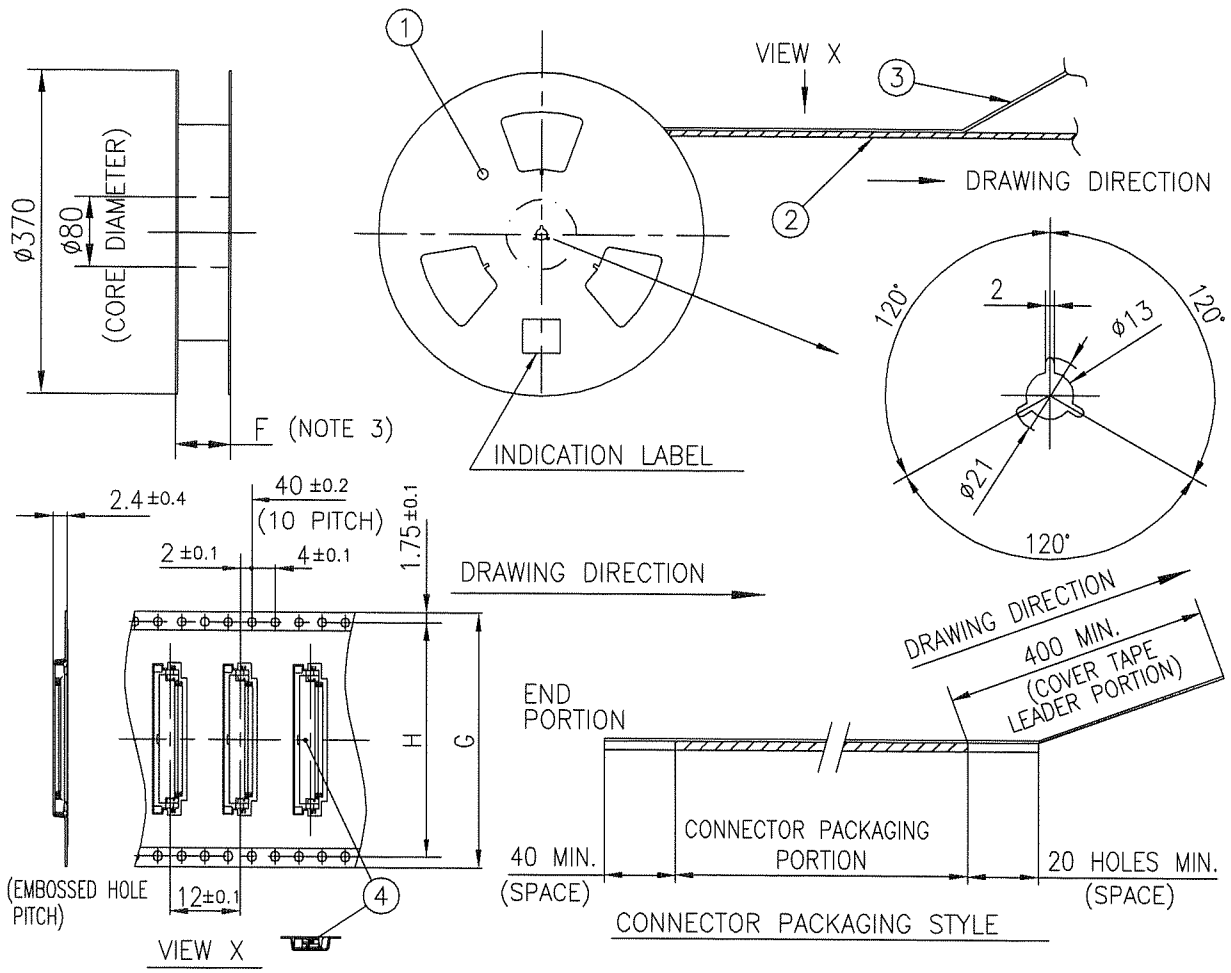
mat'l. code	surface ISO 1302	tolerance ISO 406 ISO 1101	projection
	tolerances unless otherwise specified: angles / linear		mm
			scale X
product family 58EF	CODE JP		
title: CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STE1HLF)			
dwg no 10112793	sheet 5 of 9	size A4	
type Product Customer Drawing			

ltr	ecn no	dr	date
B			

dr	S. Nitahara	2010-9-14
engr	S. Nitahara	2010-9-14
chr	M. YAMASHITA	2010-9-14
appd	M Conte	Sept 6/10

sheet index	revision sheet	Rev. B

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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-1ST__HLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

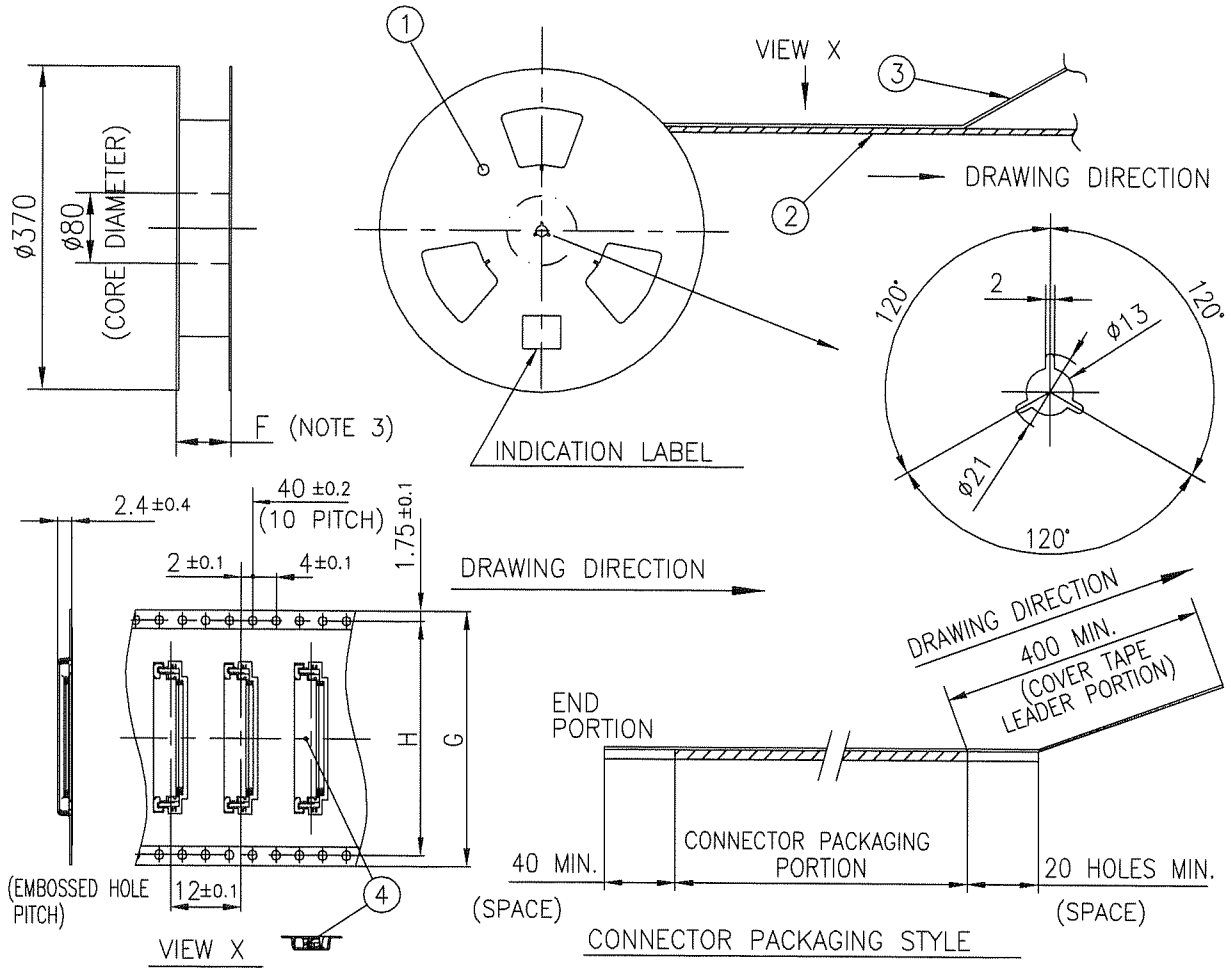
NOTES

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

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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-2ST__HLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE

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	CODE JP
ltr ecn no dr date	tolerances unless otherwise specified			title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-2STE1HLF)	
B	angles ±5°	linear ±5	mm		
	dr S. Watanabe	2010-9-14	scale X	dwg no 10112793	sheet 7 of 9 size A4
	engr S. Watanabe	2010-9-14			
	chr M.YAMBARA	2010-9-14		type Product Customer Drawing	
	appd M Cone	Sep16/10			

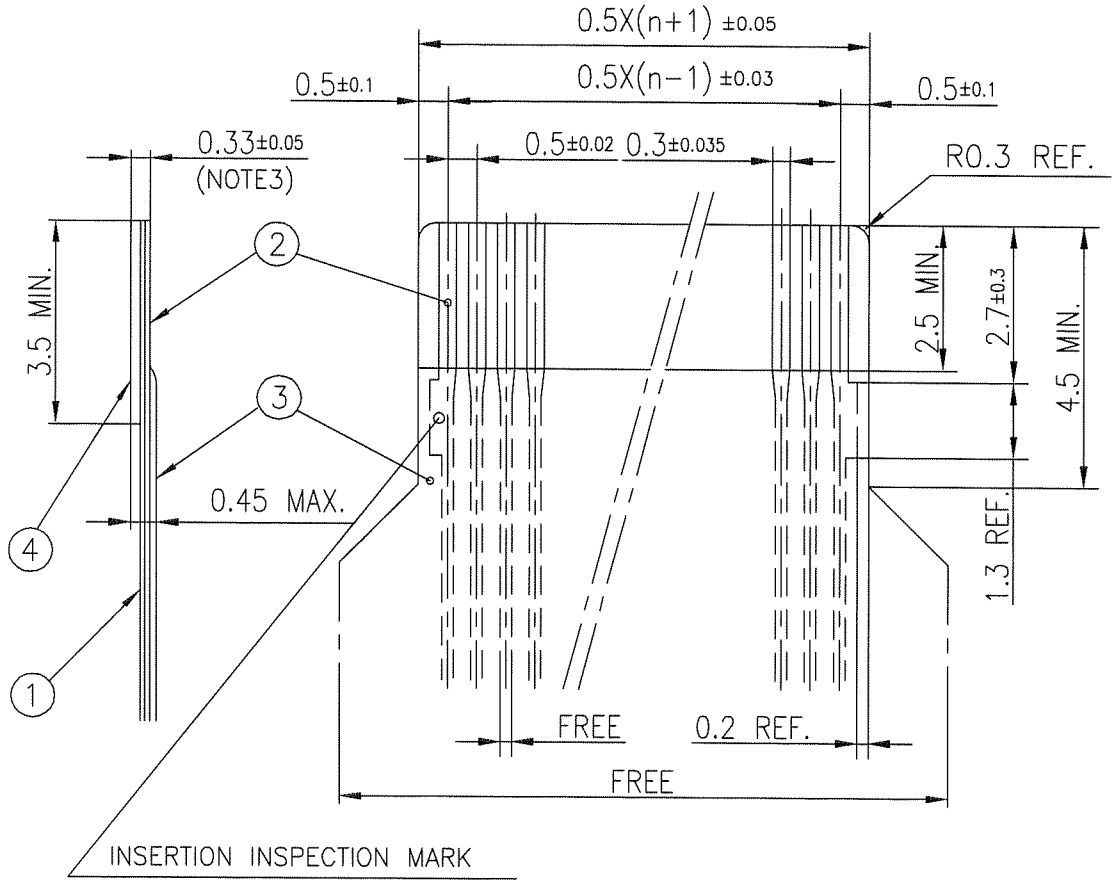
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RECOMMENDED CABLE (FPC)

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.

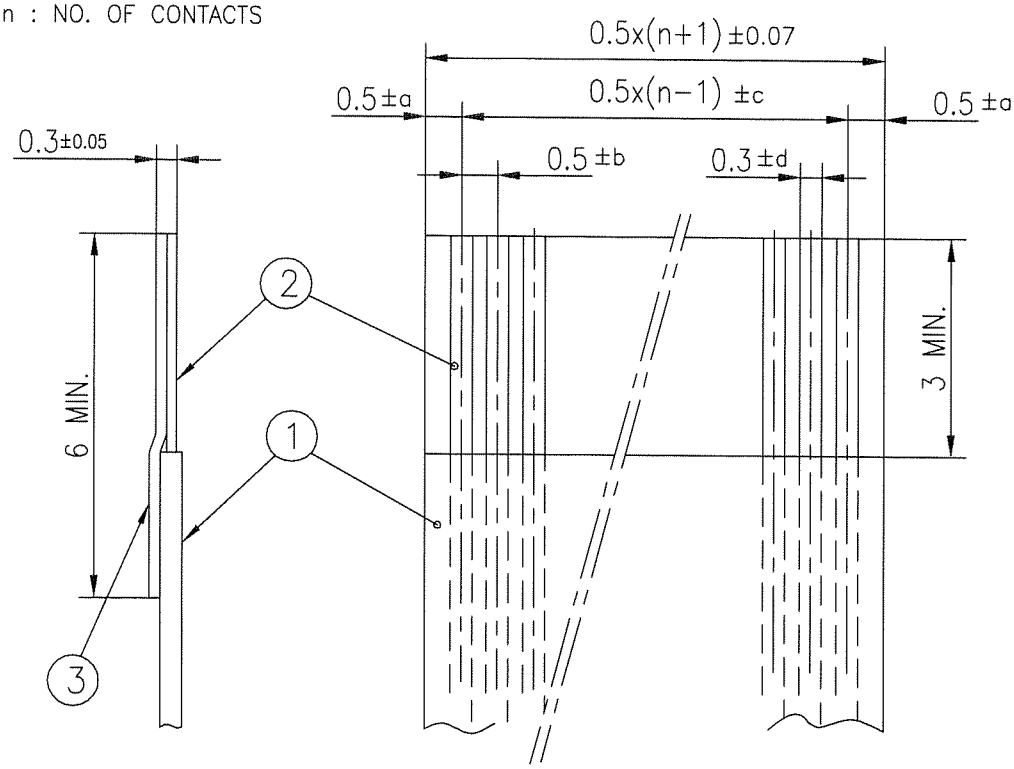
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ltr	ecn no	dr	date	tolerances unless otherwise specified			
B				angles / linear	mm	title: RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)	
					scale X		
				dr S. Watanabe	2010-9-14	dwg no 10112793	sheet 8 of 9
				engr S. Watanabe	2010-9-14		size A4
				chr M.AYUMITA	2010-9-14		
				appd	9/16/10	type Product Customer Drawing	
sheet index	revision sheet						Rev. B

form: A4

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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 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	
ltr	ecn no / dr / date	tolerances unless otherwise specified			title		
B		angles	linear	mm	RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)		
				scale X			
		dr	S. Watabe 2010-9-14	FCI	dwg no 10112793	sheet 9 of 9	size A4
		engr	S. Watabe 2010-9-14				
		chr	HAYASHIDA 2010-9-14				
		appd	M Conte Sept 6/10		type Product Customer Drawing		
sheet index	revision sheet						Rev. B

form: A4

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