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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 0.5mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-1/2STBE5HLF)							
A		J11-0061		S.W		2011-3-8		angles															
								linear				scale				dwg no 10117738 sheet 1 of 9 size A4							
								dr				FCI											
								engr															
								chr															
								appd				Mar 8 '11				type Product Customer Drawing							
sheet index		revision sheet		A 1		A 2		A 3		A 4		A 5		A 6								A 7	

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

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

PLATING VARIATION

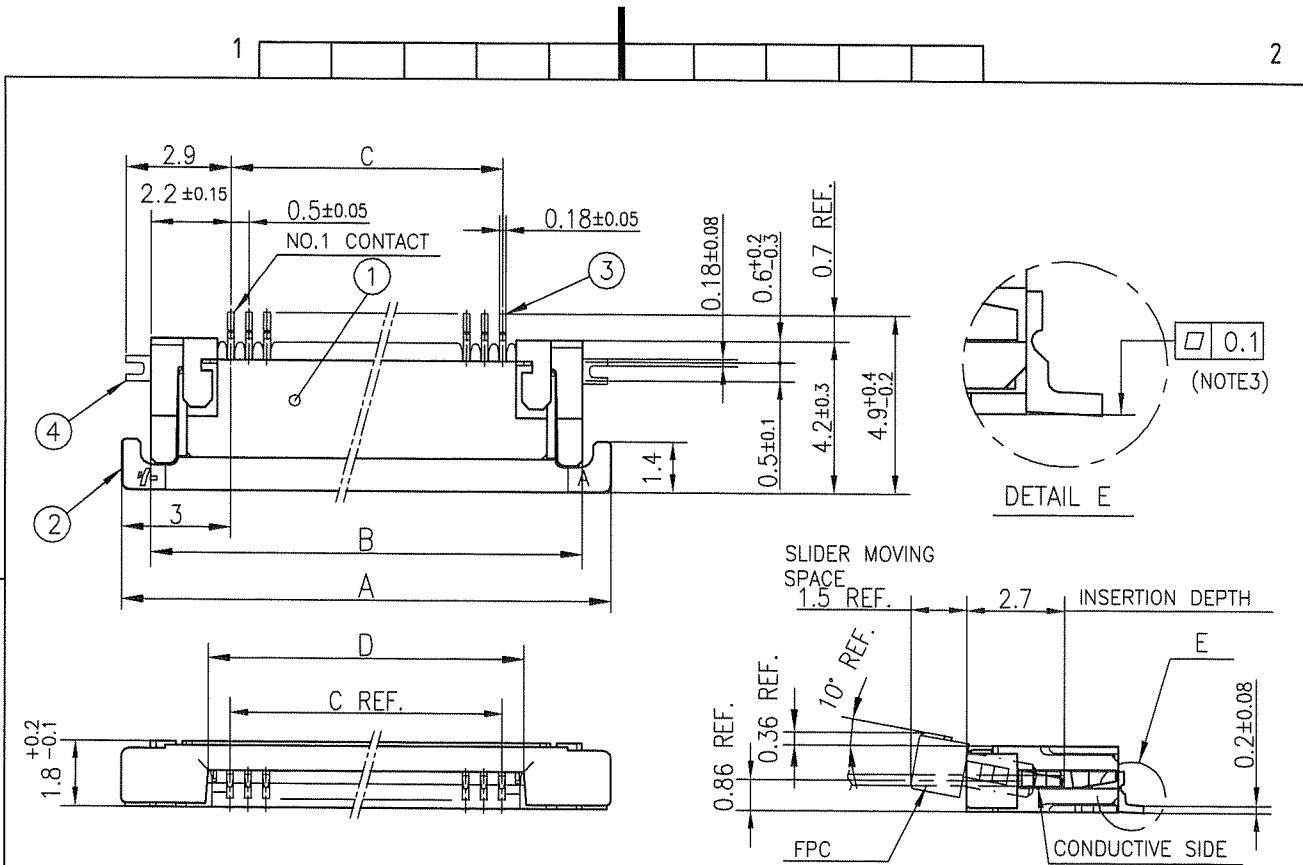
PACKAGE STYLE

HALOGEN and LEAD FREE

NOTES

- THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPEES WITH AUTOMATIC MOUNTING (SMT).
- SEE PART DRAWINGS FOR DIMENSIONS A~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		mm		title			
A				angles	linear	scale X		CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STB__HLF)			
				dr	2011-3-8	FCI		dwg no		sheet 2 of 9	size
				enr	2011-3-8			10117738			A4
				chr	2011-3-8			type		Product Customer Drawing	
				appd	2011-3-8						
sheet index	revision sheet										Rev. A

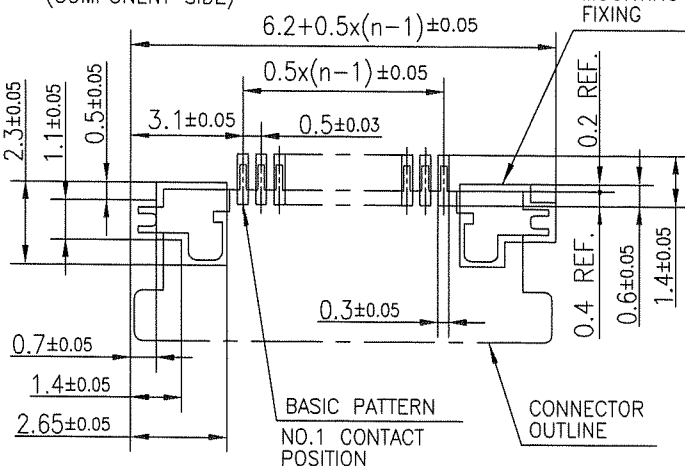


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
		4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)		
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD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

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

PATTERN FOR
MOUNTING PLATE
FIXING

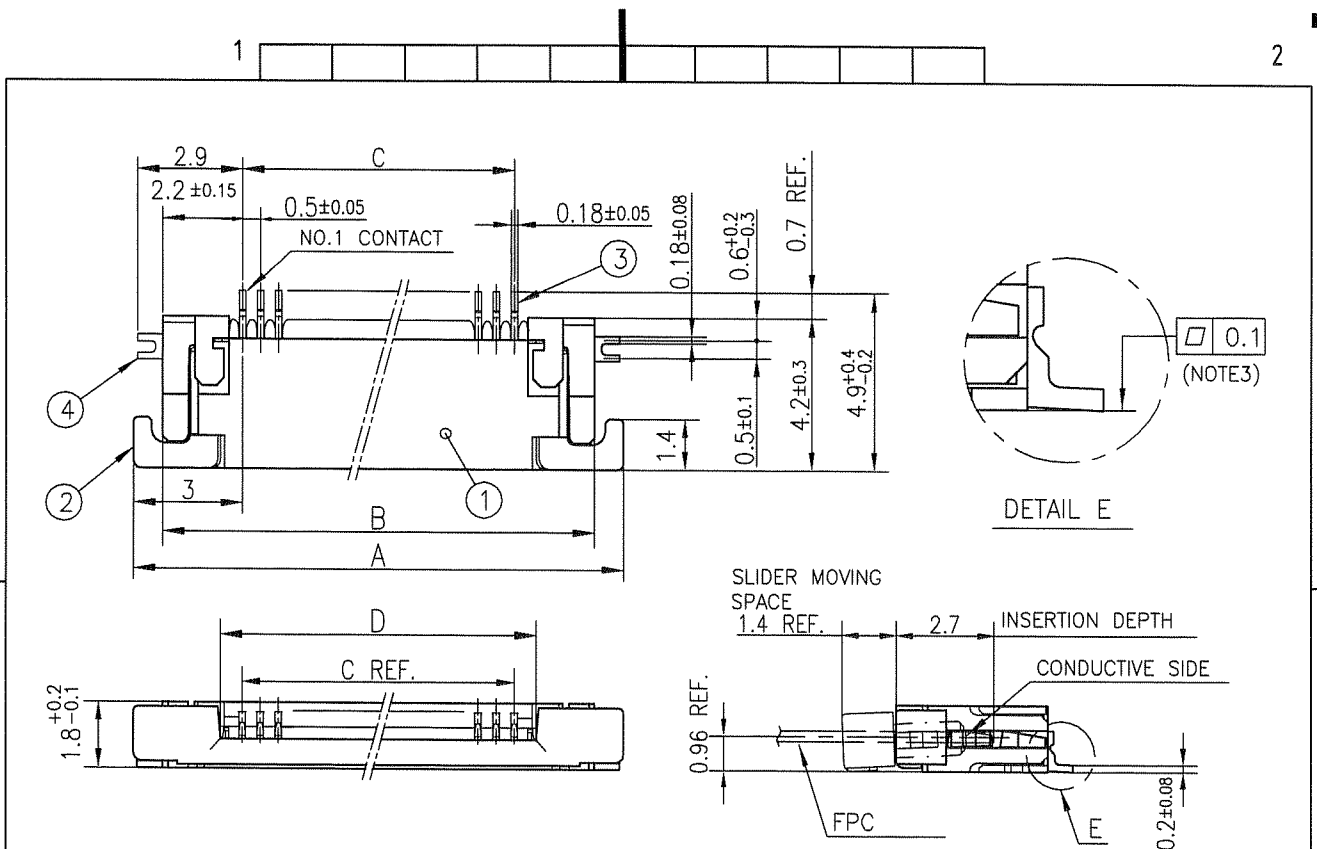
n : NO. OF CONTACTS



NOTES

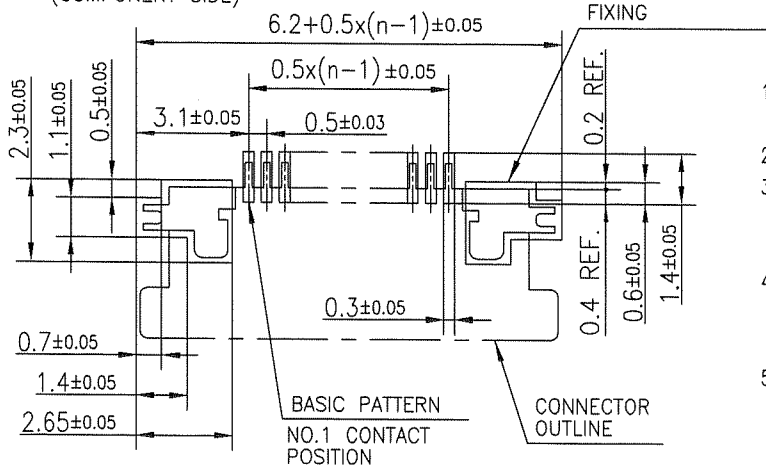
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
3. FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY 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		title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat No. : SFV__R-1STB__HLF)			
A													
				angles		linear		scale		dwg no 10117738			
										sheet 3 of 9			
										A4			
										type Product Customer Drawing			
sheet index				revision								Rev. A	
D				sheet								D	



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 : GOLD
4	MOUNTING PLATE		2	PLATING : LEAD FREE

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



n : NO. OF CONTACTS

- NOTES
- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS 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	tolerance	projection	product family	CODE
				ISO 1302	ISO 406	mm	58EF	JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
A				angles	linear	scale		
							CONNECTION USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2STB__HLF)	
				dr	2011-3-8	FCJ	dwg no	sheet 4 of 9
				enr	2011-3-8		10117738	size
				chr	2011-3-8			A4
				appd	Mar 8 11		type Product Customer Drawing	
sheet index	revision							Rev. A

form: A4

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F MAX.	G ± 0.3	H ± 0.1
4	SFV4R-1/2STBE5HLF	22.4	16	—
5	SFV5R-1/2STBE5HLF	22.4	16	—
6	SFV6R-1/2STBE5HLF	22.4	16	—
7	SFV7R-1/2STBE5HLF	30.4	24	—
8	SFV8R-1/2STBE5HLF	30.4	24	—
9	SFV9R-1/2STBE5HLF	30.4	24	—
10	SFV10R-1/2STBE5HLF	30.4	24	—
11	SFV11R-1/2STBE5HLF	30.4	24	—
12	SFV12R-1/2STBE5HLF	30.4	24	—
13	SFV13R-1/2STBE5HLF	30.4	24	—
14	SFV14R-1/2STBE5HLF	30.4	24	—
15	SFV15R-1/2STBE5HLF	30.4	24	—
16	SFV16R-1/2STBE5HLF	30.4	24	—
17	SFV17R-1/2STBE5HLF	30.4	24	—
18	SFV18R-1/2STBE5HLF	30.4	24	—
19	SFV19R-1/2STBE5HLF	30.4	24	—
20	SFV20R-1/2STBE5HLF	30.4	24	—
21	SFV21R-1/2STBE5HLF	30.4	24	—
22	SFV22R-1/2STBE5HLF	30.4	24	—
23	SFV23R-1/2STBE5HLF	38.4	32	28.4
24	SFV24R-1/2STBE5HLF	38.4	32	28.4
25	SFV25R-1/2STBE5HLF	38.4	32	28.4
26	SFV26R-1/2STBE5HLF	38.4	32	28.4
27	SFV27R-1/2STBE5HLF	38.4	32	28.4
28	SFV28R-1/2STBE5HLF	38.4	32	28.4
29	SFV29R-1/2STBE5HLF	38.4	32	28.4
30	SFV30R-1/2STBE5HLF	38.4	32	28.4
31	SFV31R-1/2STBE5HLF	50.4	44	40.4
32	SFV32R-1/2STBE5HLF	50.4	44	40.4
33	SFV33R-1/2STBE5HLF	50.4	44	40.4
34	SFV34R-1/2STBE5HLF	50.4	44	40.4
35	SFV35R-1/2STBE5HLF	50.4	44	40.4

CAT. NO.

SFV (n) R - 1 ST B E5 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)

PLATING VARIATION

TAPE PACKAGING FOR E5 (2500pcs PER REEL)

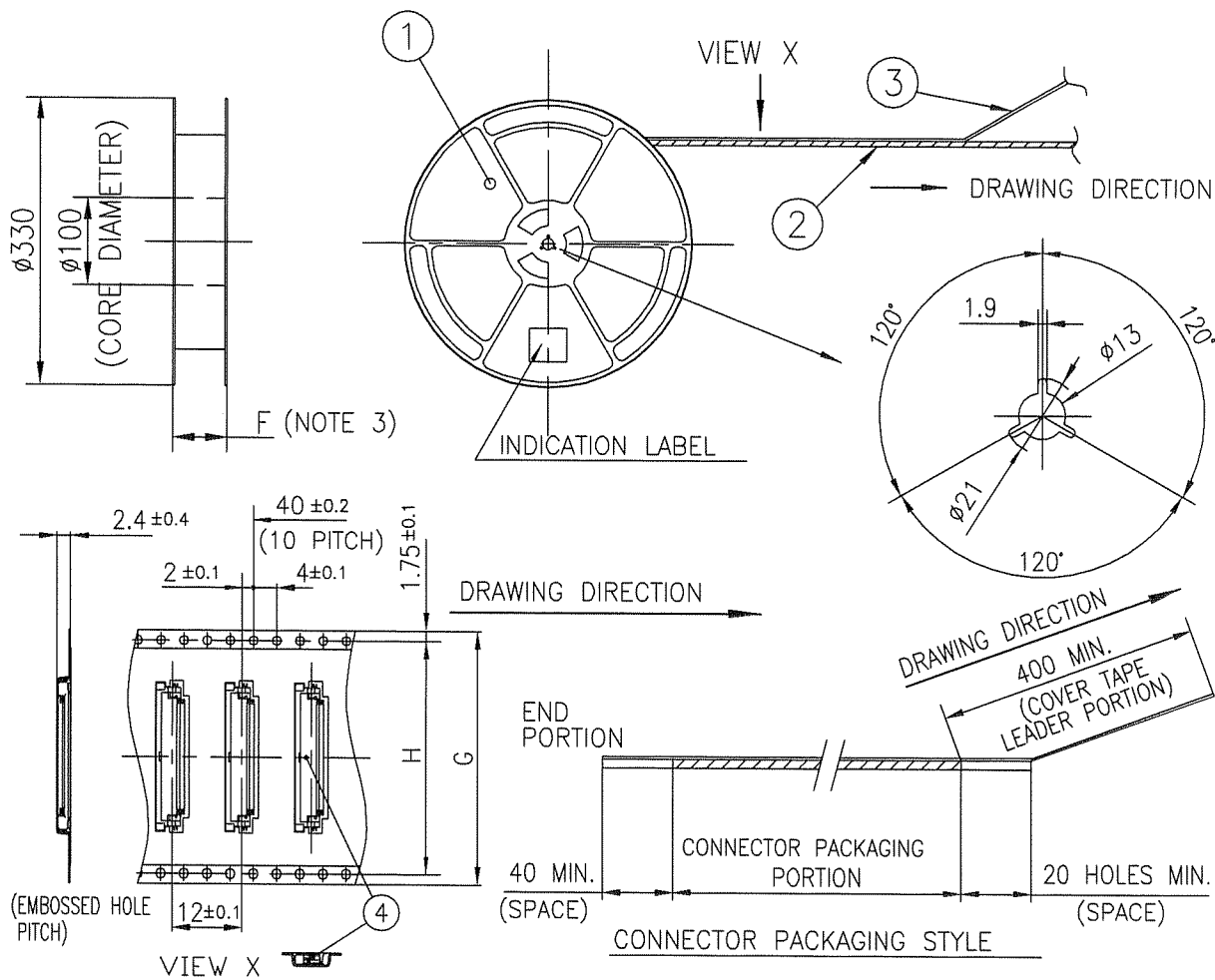
LEAD AND HALOGEN FREE

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		title			
A				angles	linear	scale $\propto$		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STBE5HLF)			
				dr	<i>S. Mital</i> 2011-3-8			dwg no		sheet 5 of 9	size
				enr	<i>S. Mital</i> 2011-3-8			10117738			A4
				chr	<i>R. Brown</i> 2011-3-8						
				appd	<i>M. G. S.</i> Mar 8 11						
sheet index	revision sheet							type Product Customer Drawing			
											Rev. A

TOLERANCES
UNLESS OTHERWISE SPECIFIED : ± 5 , ANGLE $\pm 5^\circ$



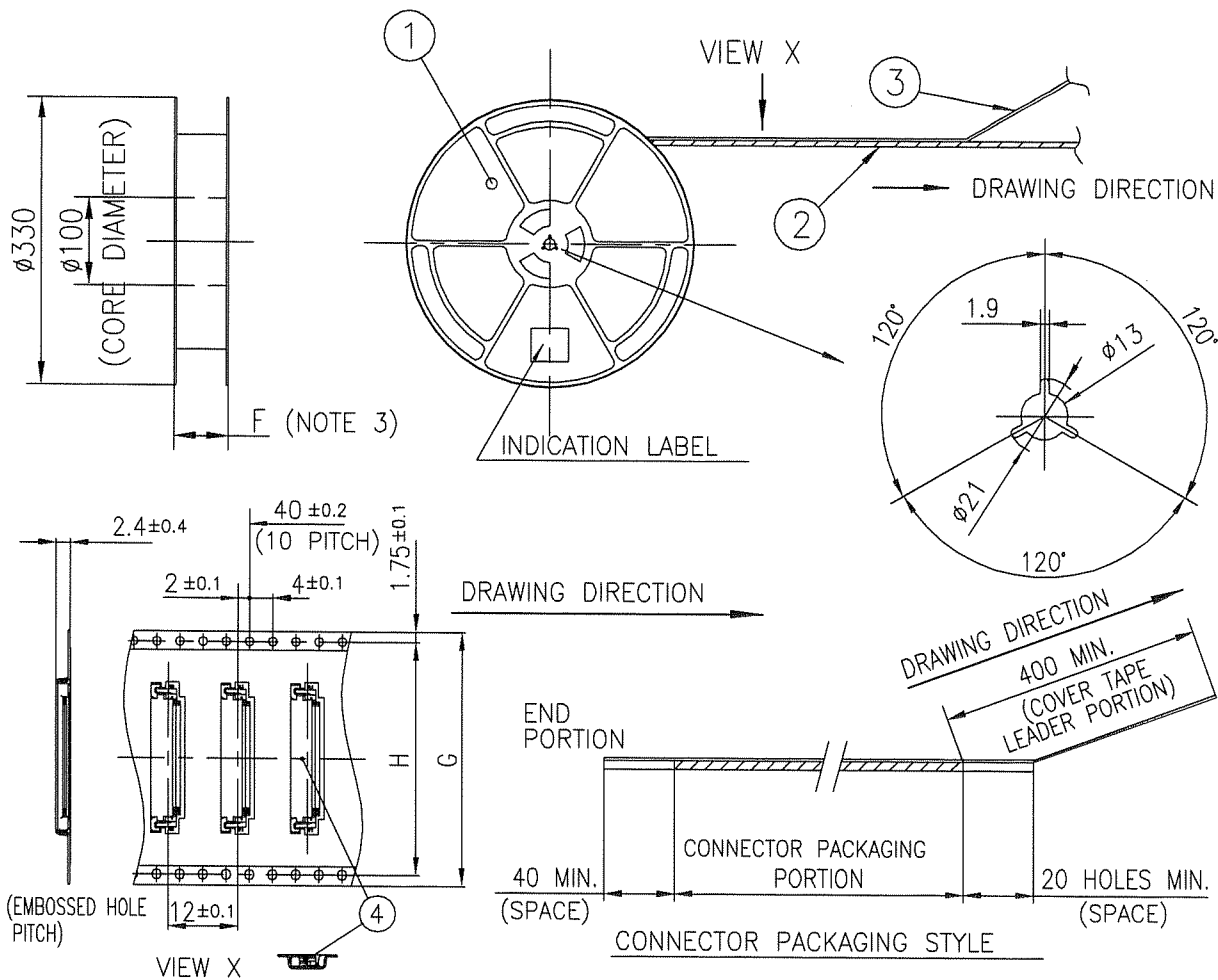
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-1STB__HLF	SEE ATTACHED DWG.	2500	LOWER CONTACT TYPE

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 A	ecn no	dr	date	angles	linear			scale X		title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1STBE5HLF)			
										dwg no 10117738			
										sheet 6 of 9			
										size A4			
										type Product Customer Drawing			
sheet index	revision sheet												Rev. A

TOLERANCES
UNLESS OTHERWISE SPECIFIED : ± 5 , ANGLE $\pm 5^\circ$



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE		A-PET		COLOR : TRANSPARENCY
3	COVER		POLYESTER		COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-2STB__HLF	SEE ATTACHED DWG.	2500	UPPER CONTACT TYPE

NOTES

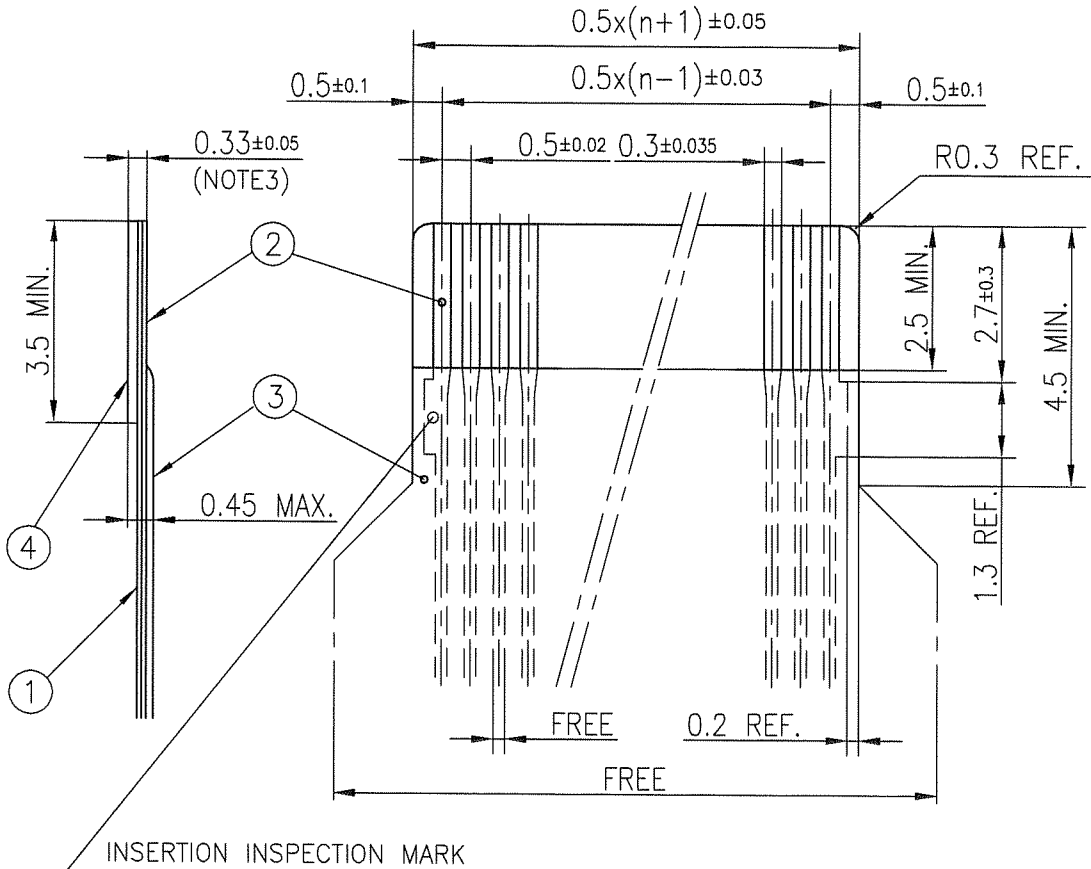
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 58EF		CODE JP	
ltr A				ecn no		dr		date		title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-2STBE5HLF)			
				angles		linear		mm		scale			
				dr		2011-3-8				dwg no		sheet 7 of 9	
				enr		2011-3-8				10117738		A4	
				chr		2011-3-8				type		Product Customer Drawing	
				appd		2011-3-8							
sheet index		revision sheet										Rev. A	

form: A4

RECOMMENDED CABLE (FPC)

n : NO. OF CONTACTS



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)
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

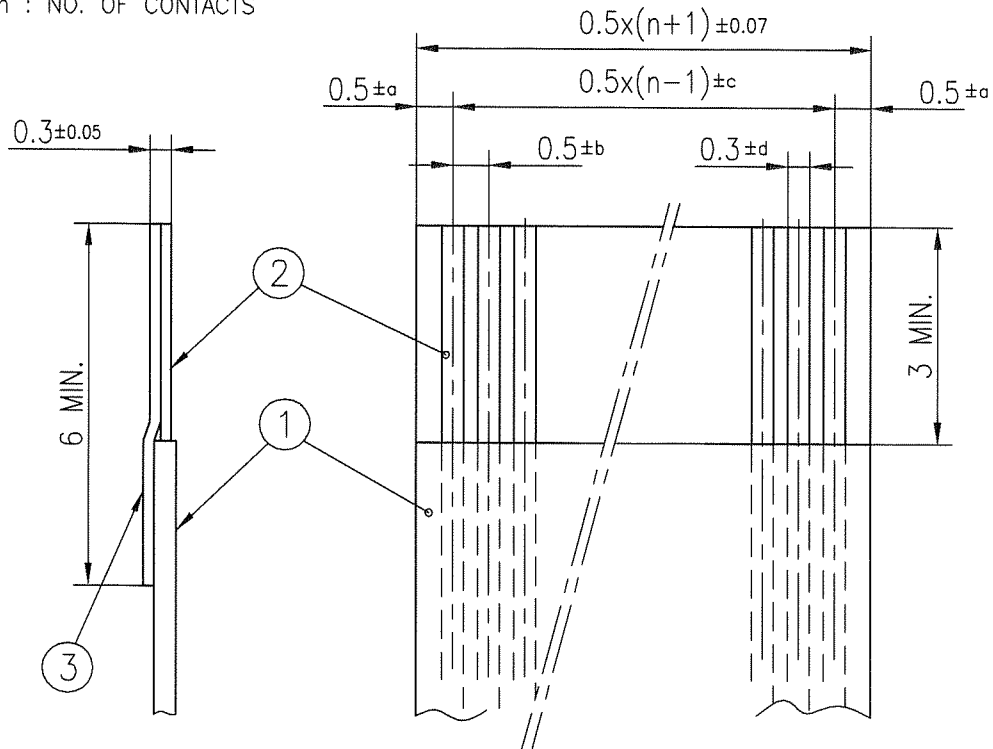
NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.

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			
A				angles	linear	mm		RECOMMENDED CABLE			
						scale $\propto$		(Cat. No. : SFV__R-1/2ST__LF)			
		dr	2011-3-8					dwg no		sheet 8 of 9	
		enr	2011-3-8					10117738		size A4	
		chr	2011-3-8								
		appd	2011-3-8								
sheet index		revision sheet								Rev. A	

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
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT
2	CONDUCTOR	COPPER FOIL (PLATING : GOLD)
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT

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			
A				angles	linear	mm		RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__LF)			
						scale X					
		dr	2011-3-8	engr	2011-3-8			dwg no		sheet 9 of 9	size
		chr	2011-3-8	appd	2011-3-8			10117738		A4	
								type		Product Customer Drawing	
sheet index	revision sheet										Rev. A