

List of "SFV__R-1/2STE9LF" customer document

DOCUMENT NO.	LIST
10101165(SHEET1)	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1/2ST_LF)
10101165(SHEET2)	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV__R-1ST_LF)
10101165(SHEET3)	CONNECTOR USED FOR FPC/FFC WITH 0.5mm CONTACT SPACING (SFV__R-2ST_LF)
10101165(SHEET4)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1/2STE9LF)
10101165(SHEET5)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-1STE9LF)
10101165(SHEET6)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-2STE9LF)
10101165(SHEET7)	RECOMMENDED CABLE (FPC) (SFV__R-1/2ST__)
10101165(SHEET8)	RECOMMENDED CABLE (FFC) (SFV__R-1/2ST__)
SC-SFV03	PRODUCT SPECIFICATION
BJM-SFV101	HANDLING PROCEDURES

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 0.5mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-1/2STE9LF)							
A	S09-0140	DGOH	09-05-06	angles		linear		mm											
								scale		X		dwg no sheet 1 of 9 size 10101165 A4							
				dr		DENNIS GOH		09-05-06								type Product Customer Drawing			
				engr		DENNIS GOH		09-05-06											
				chr		DENNIS GOH		09-05-06											
				appd		JOEY NG		09-05-06											
sheet index	revision	A	A	A	A	A	A	A	A	A	A	A	A	A	Rev. A				
	sheet	1	2	3	4	5	6	7	8	9									

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	1.5	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)

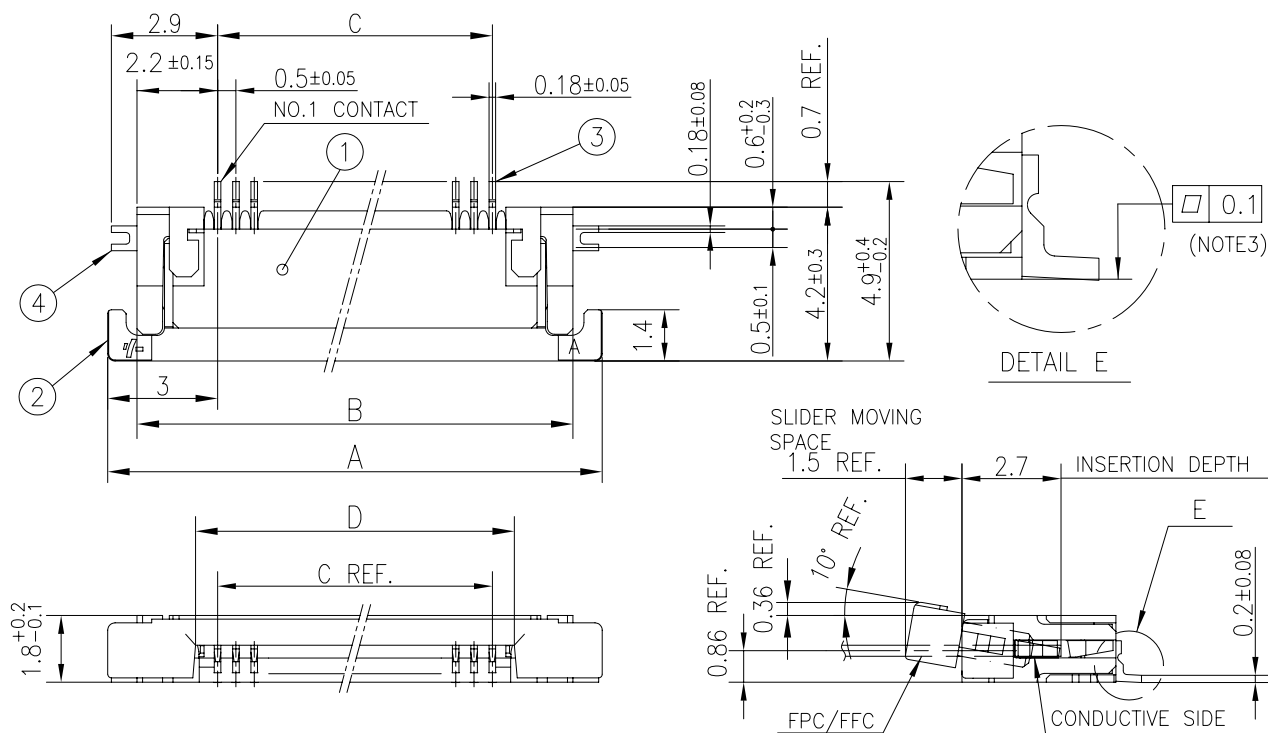
PACKAGE STYLE

LEAD FREE

NOTES

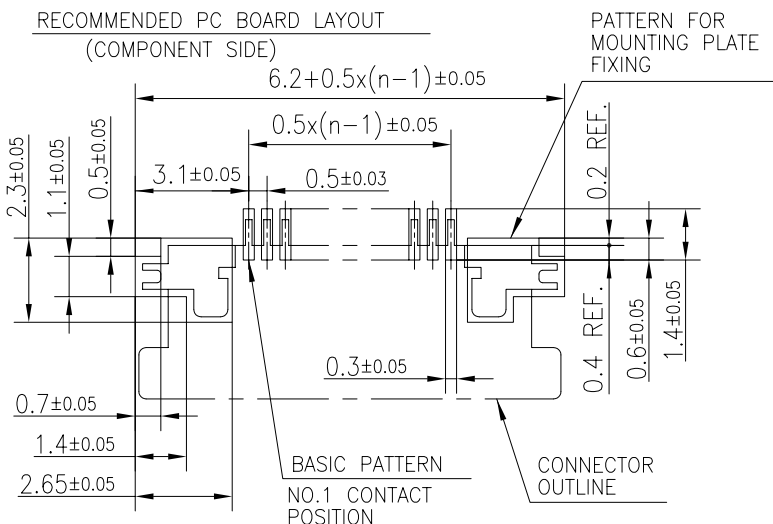
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ☒ ISO 1101		projection 		product family 58EF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2ST__LF)			
A				angles	linear			scale $\propto$		dwg no		sheet 2 of 9	size
				dr	DENNIS GOH	09-05-06				10101165			A4
				enr	DENNIS GOH	09-05-06				type		Product	Customer
				chr	DENNIS GOH	09-05-06							
				appd	JOEY NG	09-05-06							
sheet index		revision sheet										Rev. A	



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)

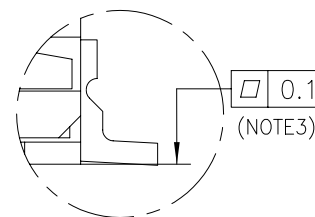
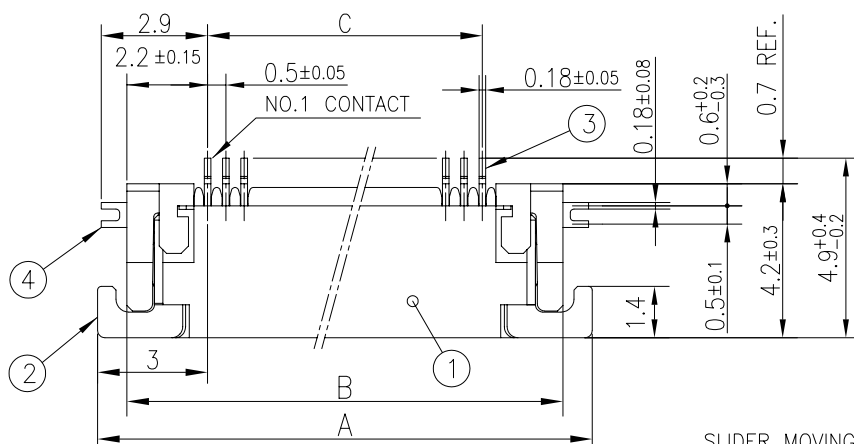


n : NO. OF CONTACTS

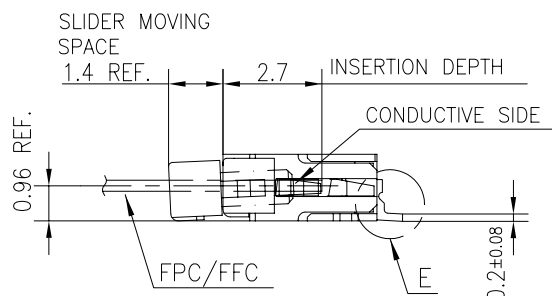
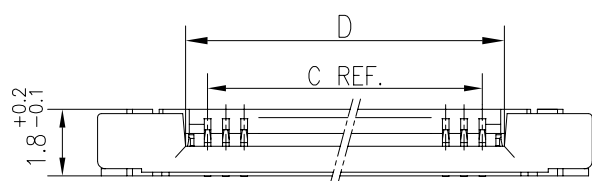
NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC 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 ✓	tolerance ISO 406 ISO 1101	projection 	product family 58EF	CODE JP
ltr A	ecn no	dr	date	tolerances unless otherwise specified		mm 	title CONNECTOR USED FOR FPC/FFC WITH 0.5 mm CONTACT SPACING (Cat No. : SFV__R-1ST__LF)	
				angles	linear ±0.2			
				dr	DENNIS GOH	09-05-06	dwg no 10101165	
				enr	DENNIS GOH	09-05-06		
				chr	DENNIS GOH	09-05-06	type Product Customer Drawing	
				appd	DENNIS GOH	09-05-06		
sheet index	revision sheet						Rev. A	

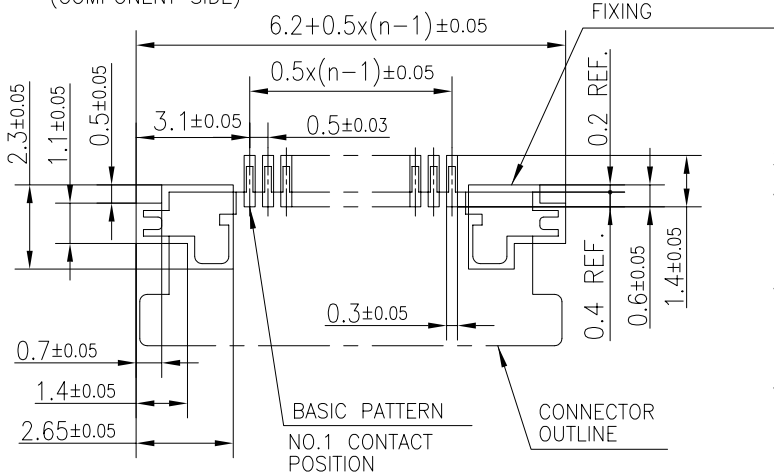


DETAIL E



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	

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

NOTES

- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC 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 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/FFC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-2ST__LF)	
A				angles	linear ±0.2			
				dr	DENNIS GOH	09-05-06	dwg no 10101165	
				enr	DENNIS GOH	09-05-06		
				chr	DENNIS GOH	09-05-06	type Product Customer Drawing	
				appd	DENNIS GOH	09-05-06		
sheet index	revision sheet							Rev. A

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F MAX.	G ± 0.3	H ± 0.1
4	SFV4R-1/2STE9LF	22.4	16	—
5	SFV5R-1/2STE9LF	22.4	16	—
6	SFV6R-1/2STE9LF	22.4	16	—
7	SFV7R-1/2STE9LF	30.4	24	—
8	SFV8R-1/2STE9LF	30.4	24	—
9	SFV9R-1/2STE9LF	30.4	24	—
10	SFV10R-1/2STE9LF	30.4	24	—
11	SFV11R-1/2STE9LF	30.4	24	—
12	SFV12R-1/2STE9LF	30.4	24	—
13	SFV13R-1/2STE9LF	30.4	24	—
14	SFV14R-1/2STE9LF	30.4	24	—
15	SFV15R-1/2STE9LF	30.4	24	—
16	SFV16R-1/2STE9LF	30.4	24	—
17	SFV17R-1/2STE9LF	30.4	24	—
18	SFV18R-1/2STE9LF	30.4	24	—
19	SFV19R-1/2STE9LF	30.4	24	—
20	SFV20R-1/2STE9LF	30.4	24	—
21	SFV21R-1/2STE9LF	30.4	24	—
22	SFV22R-1/2STE9LF	30.4	24	—
23	SFV23R-1/2STE9LF	38.4	32	28.4
24	SFV24R-1/2STE9LF	38.4	32	28.4
25	SFV25R-1/2STE9LF	38.4	32	28.4
26	SFV26R-1/2STE9LF	38.4	32	28.4
27	SFV27R-1/2STE9LF	38.4	32	28.4
28	SFV28R-1/2STE9LF	38.4	32	28.4
29	SFV29R-1/2STE9LF	38.4	32	28.4
30	SFV30R-1/2STE9LF	38.4	32	28.4
31	SFV31R-1/2STE9LF	50.4	44	40.4
32	SFV32R-1/2STE9LF	50.4	44	40.4
33	SFV33R-1/2STE9LF	50.4	44	40.4
34	SFV34R-1/2STE9LF	50.4	44	40.4
35	SFV35R-1/2STE9LF	50.4	44	40.4

CAT. NO.

SFV (n) R - 1 ST E9 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 FOR E9 (500pcs PER REEL)

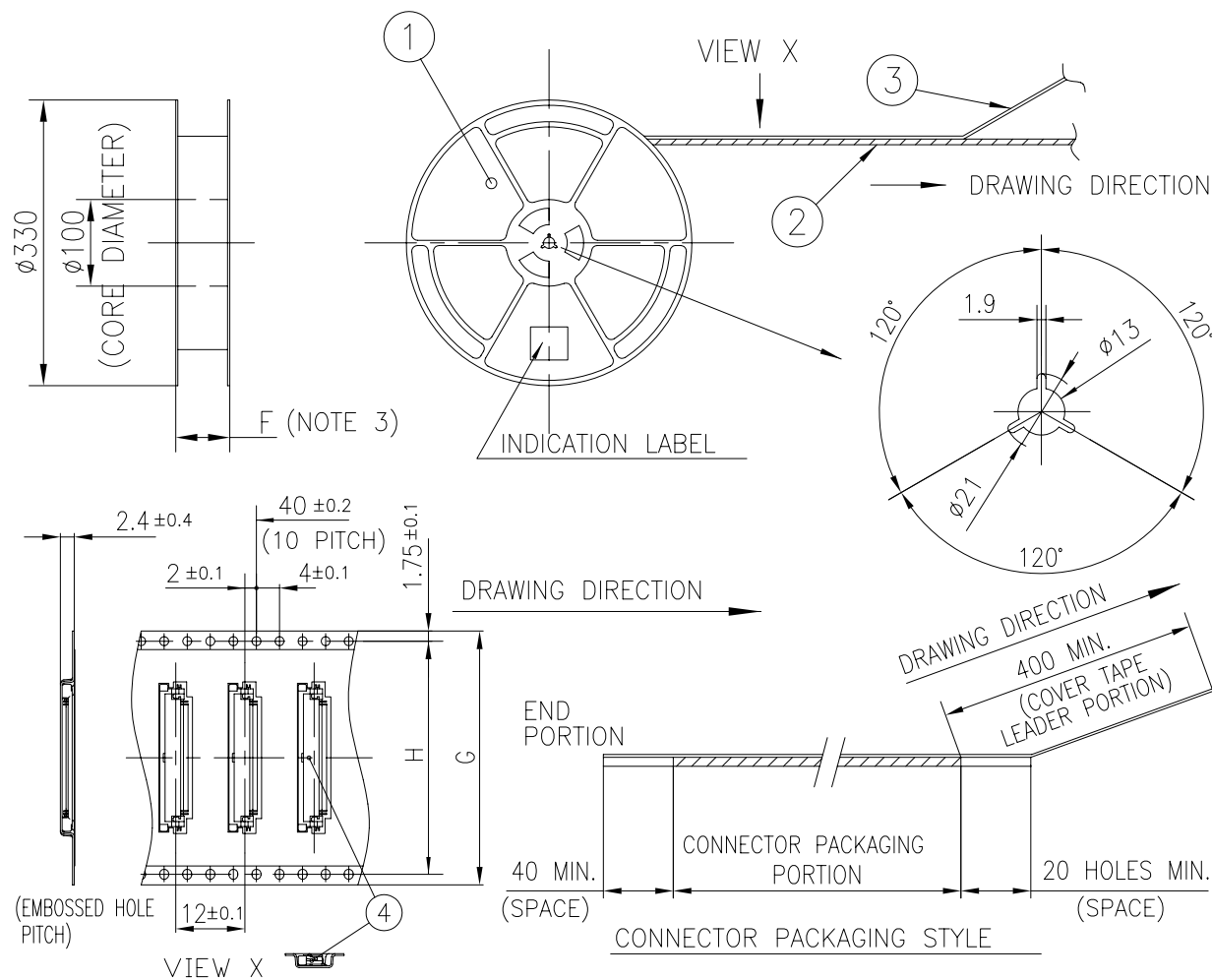
LEAD FREE

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		title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-1/2STE9LF)				
A					angles		linear		scale $\propto$		dwg no 10101165				sheet 5 of 9
					dr		DENNIS GOH	09-05-06			type				Product Customer Drawing
				enr		DENNIS GOH	09-05-06								
				chr		DENNIS GOH	09-05-06								
				appd		JOEY NG	09-05-06								
sheet index		revision sheet													Rev. A

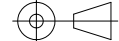
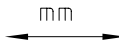
TOLERANCES
UNLESS OTHERWISE SPECIFIED : ± 5 , ANGLE $\pm 5^\circ$



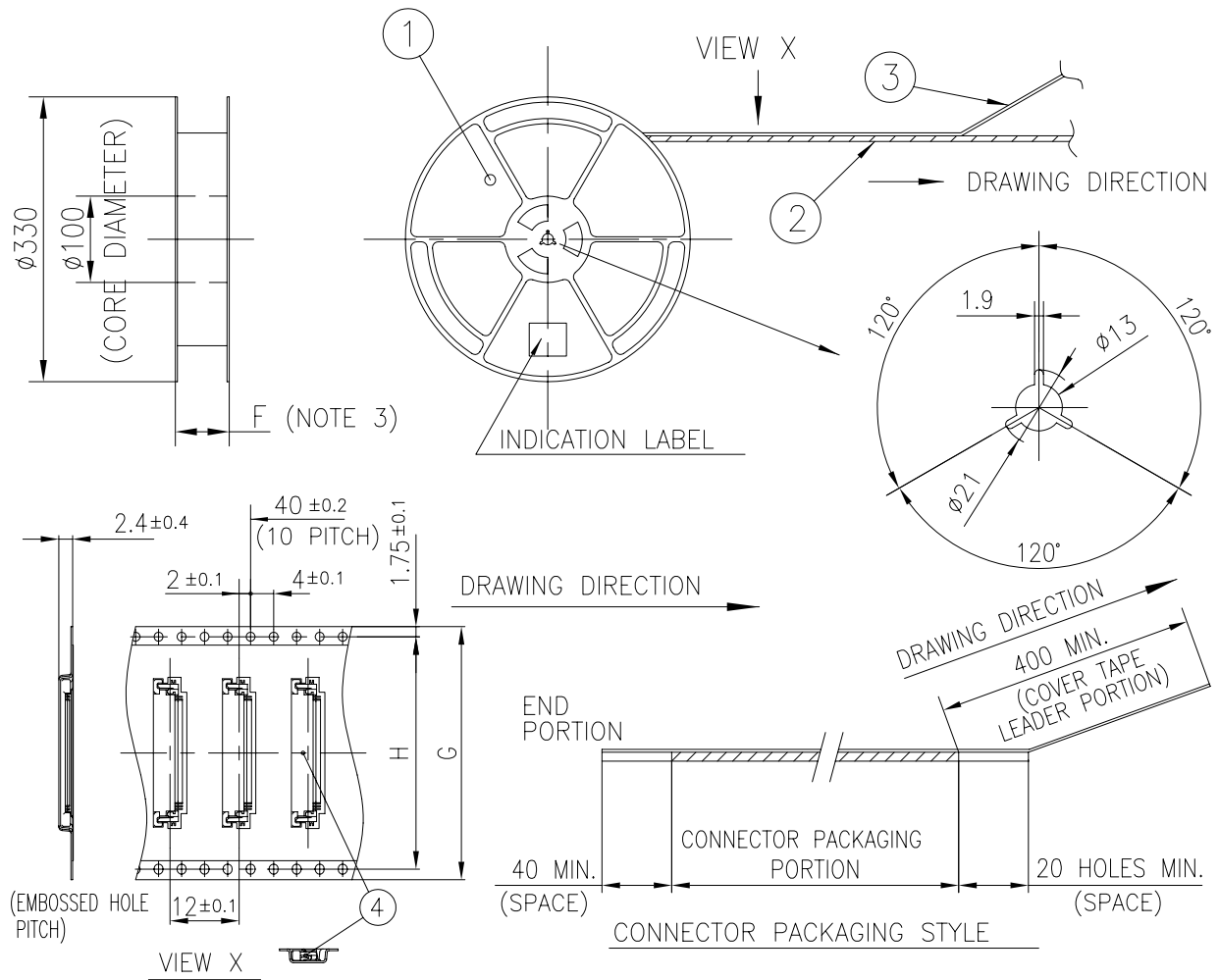
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY (CLEAR)
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFV__R-1ST__LF	SEE ATTACHED DWG.	500	LOWER CONTACT TYPE

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 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-1STE9LF)							
A				angles			linear															
										scale 		dwg no 10101165 sheet 6 of 9 size A4										
				dr			DENNIS GOH			09-05-06												
				enr			DENNIS GOH			09-05-06												
				chr			DENNIS GOH			09-05-06												
				appd			JOEY NG			09-05-06				type Product Customer Drawing								
sheet index		revision sheet																				
																		Rev. A				

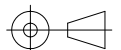
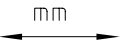
TOLERANCES
UNLESS OTHERWISE SPECIFIED : ± 5 , ANGLE $\pm 5^\circ$



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE		A-PET		COLOR : TRANSPARENCY (CLEAR)
3	COVER		POLYESTER		COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFV__R-2ST__LF	SEE ATTACHED DWG.	500	LOWER CONTACT TYPE

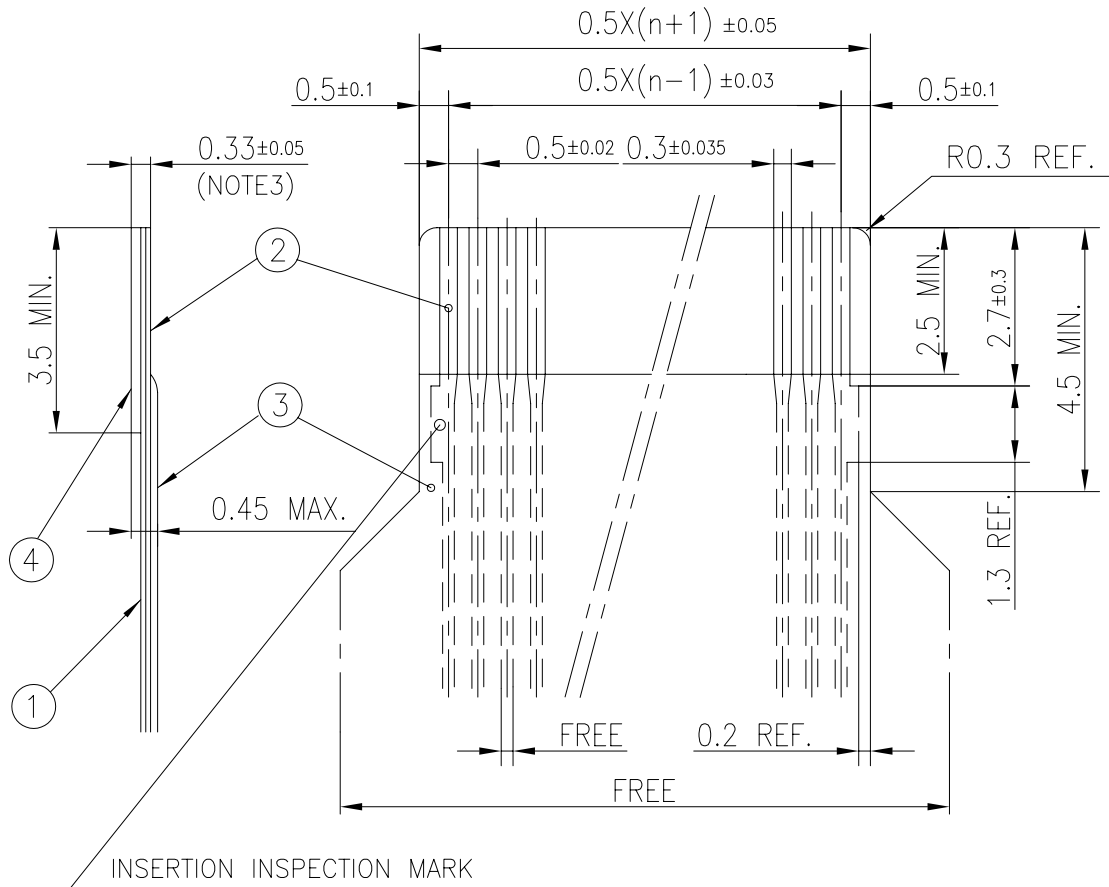
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND CYPES 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	ecn no	dr	date	tolerances unless otherwise specified							title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-2STE9LF)							
A				angles		linear		scale 										
				dr	DENNIS GOH		09-05-06			dwg no						sheet 7 of 9		size A4
				enr	DENNIS GOH		09-05-06			10101165								
				chr	DENNIS GOH		09-05-06											
				appd	JOEY NG		09-05-06											
sheet index	revision sheet																Rev. A	

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 : SOLDER 1um MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

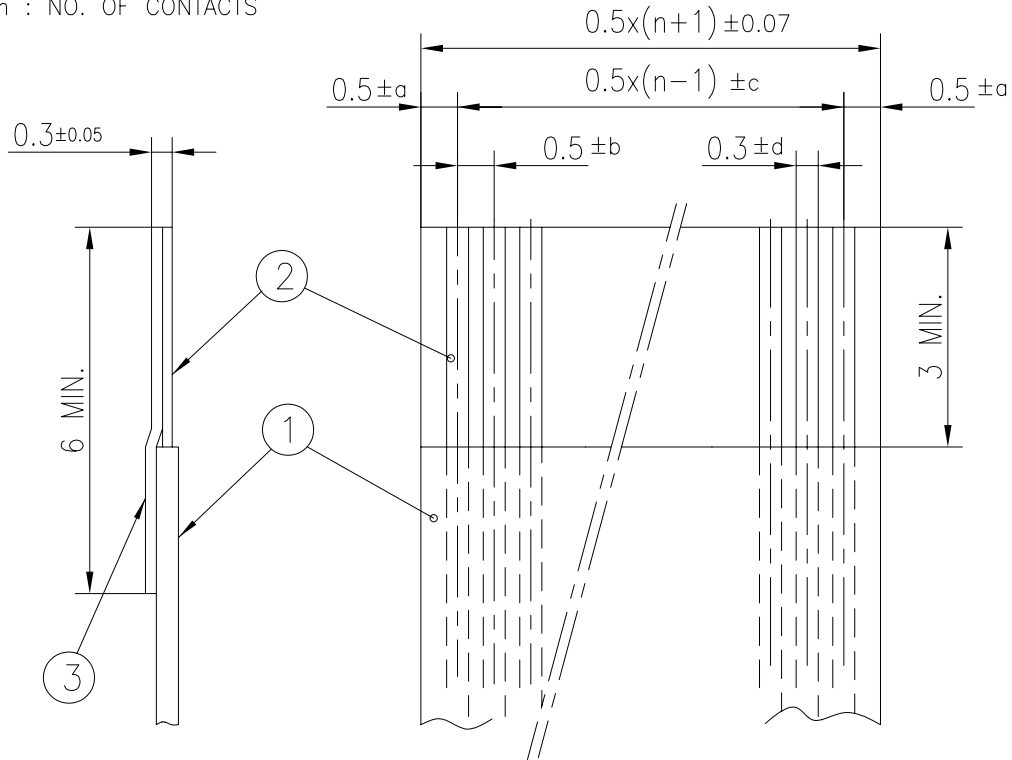
NOTES

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		CODE JP	
ltr A		ecn no		dr		date		tolerances unless otherwise specified		title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)			
								angles linear		mm 			
								scale $\propto$		dwg no 10101165		sheet 8 of 9	
								dr DENNIS GOH 09-05-06		type Product Customer Drawing		size A4	
								engr DENNIS GOH 09-05-06					
								chr DENNIS GOH 09-05-06					
								appd JOEY NG 09-05-06					
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	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	
2	CONDUCTOR	COPPER FOIL:THICKNESS 35 OR 50um	PLATING : TIN OR SOLDER 1um 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		angles		linear		title RECOMMENDED CABLE (Cat. No. : SFV__R-1/2ST__)			
A										mm			
										scale $\propto$			
				dr	DENNIS GOH	09-05-06					dwg no		sheet 9 of 9
				enr	DENNIS GOH	09-05-06					10101165		size A4
				chr	DENNIS GOH	09-05-06							
				appd	JOEY NG	09-05-06							
sheet index		revision sheet										Rev. A	

Mouser Electronics

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