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A

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C

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 0.5mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFV__R-3/4STBE1HLF)			
A	J11-0011	S.W.	2011-1-14	angles linear									
								scale $\propto$		dwg no 10116954 sheet 1 of 8 size A4 type Product Customer Drawing			
				dr									
				enrg									
				chr									
				appd									
sheet index	revision sheet	A	A	A	A	A	A	A	A				Rev. A

form: A4

1

2

List of "SFV__R-3/4STBE1HLF" customer document

DOCUMENT NO.	LIST
10116954(Sheet1)	DOCUMENT LIST
10116954(Sheet2)	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3/4STB_HLF)
10116954(Sheet3)	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV__R-3STB_HLF)
10116954(Sheet4)	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV__R-4STB_HLF)
10116954(Sheet5)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3/4STBE1HLF)
10116954(Sheet6)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3STBE1HLF)
10116954(Sheet7)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-4STBE1HLF)
10116954(Sheet8)	RECOMMENDED CABLE (FPC) (SFV__R-3/4STB_HLF)
GS-12-0783	SPEC.
BJM-SFV102	HANDLING PROCEDURES

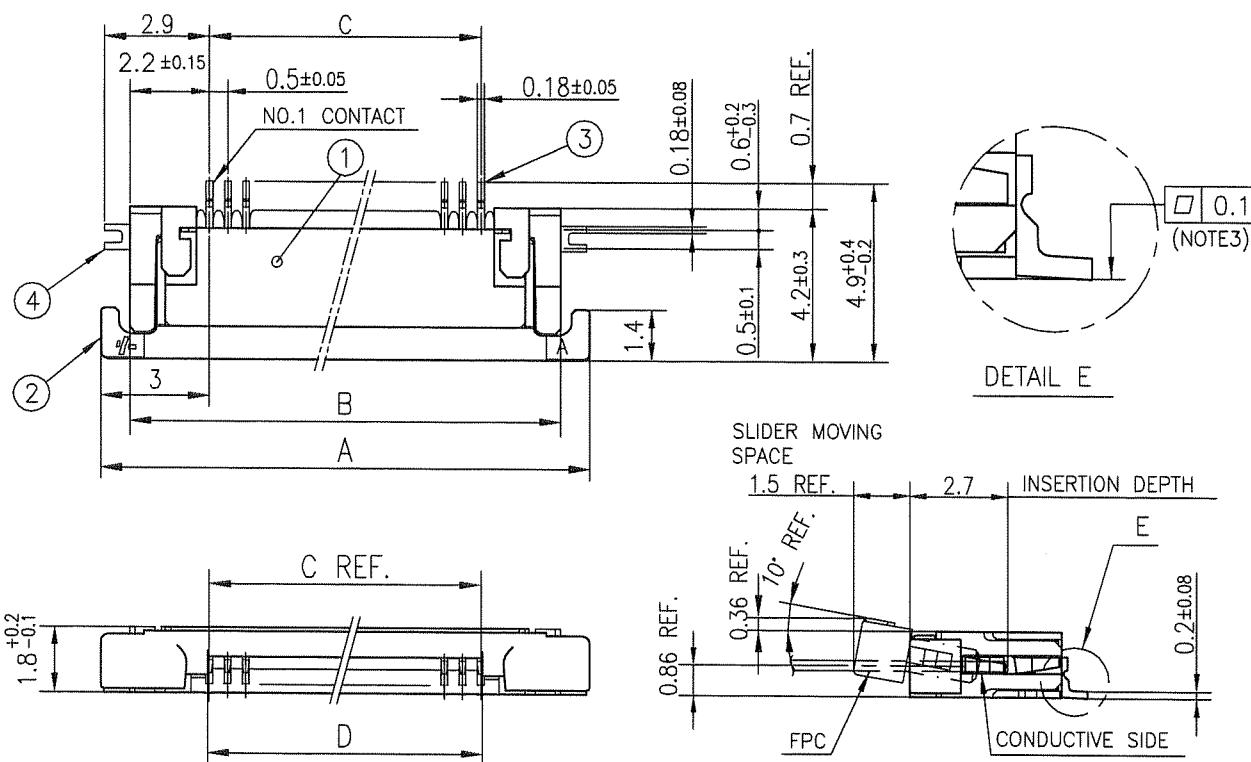
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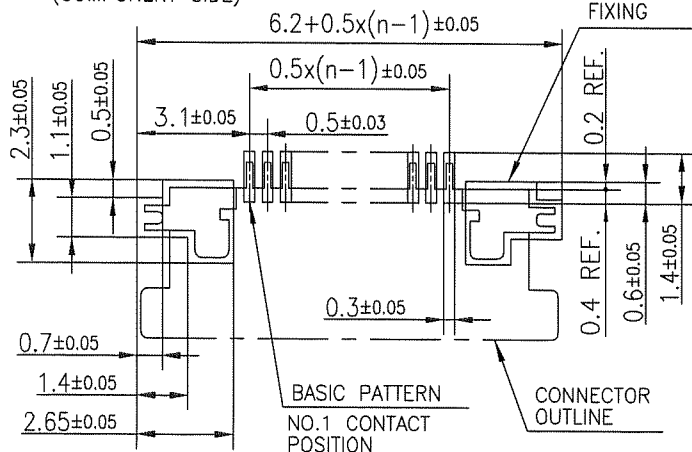
D

2



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 : GRAY (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD
4	MOUNTING PLATE		2	PLATING : MATTE TIN

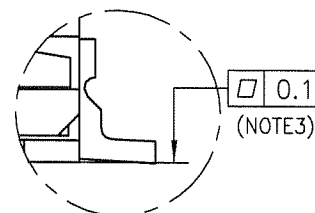
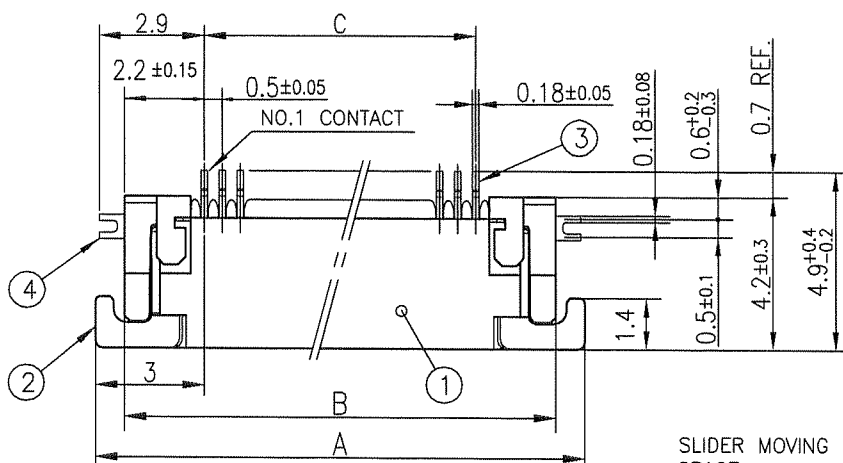
n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)PATTERN FOR
MOUNTING PLATE
FIXING

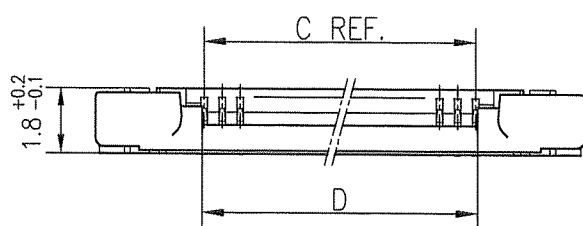
NOTES

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 mm		product family 58EF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles		linear		title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-3STB__HLF)		dwg no 10116954	
A										sheet 3 of 8		size A4	
				dr		S. Watanabe		2011-1-14		FCI		type Product Customer Drawing	
				enr		S. Watanabe		2011-1-14					
				chr		Y. Yamada		2011-1-14					
				appd		M. Ohta		2011-1-14					
sheet index		revision sheet										Rev. A	



DETAIL E



SLIDER MOVING SPACE

1.4 REF.

2.7

INSERTION DEPTH

CONDUCTIVE SIDE

0.96 REF.

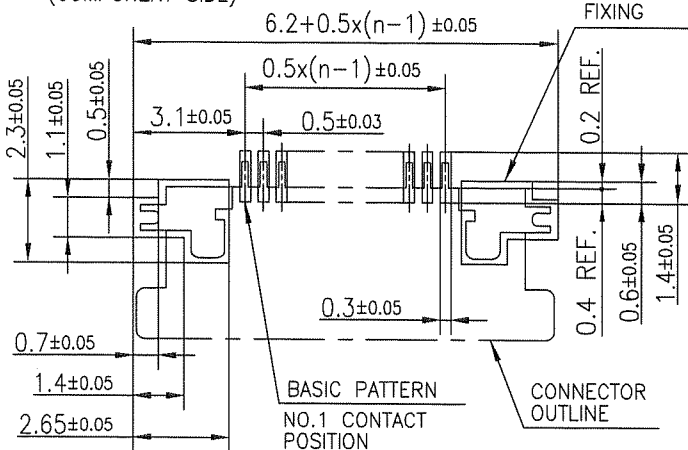
FPC

E

0.2±0.08

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 : GRAY (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD WITH Ni DAM
4	MOUNTING PLATE		2	PLATING : MATTE TIN

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 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	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-4STB__HLF)	
A				angles	linear ±0.2			
				dr	S. Watabe 2011-1-14	FCCI	dwg no	
				enrg	S. Watabe 2011-1-14		sheet 4 of 8	
				chr	Y. Kamada 2011-1-14		10116954	
				appd	M. Imai 2011-1-14		size A4	
sheet index	revision sheet						type Product Customer Drawing	
							Rev. A	

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV 4R-3/4STBE1HLF	20.4	16	—
5	SFV 5R-3/4STBE1HLF	20.4	16	—
6	SFV 6R-3/4STBE1HLF	20.4	16	—
7	SFV 7R-3/4STBE1HLF	28.4	24	—
8	SFV 8R-3/4STBE1HLF	28.4	24	—
9	SFV 9R-3/4STBE1HLF	28.4	24	—
10	SFV10R-3/4STBE1HLF	28.4	24	—
11	SFV11R-3/4STBE1HLF	28.4	24	—
12	SFV12R-3/4STBE1HLF	28.4	24	—
13	SFV13R-3/4STBE1HLF	28.4	24	—
14	SFV14R-3/4STBE1HLF	28.4	24	—
15	SFV15R-3/4STBE1HLF	28.4	24	—
16	SFV16R-3/4STBE1HLF	28.4	24	—
17	SFV17R-3/4STBE1HLF	28.4	24	—
18	SFV18R-3/4STBE1HLF	28.4	24	—
19	SFV19R-3/4STBE1HLF	28.4	24	—
20	SFV20R-3/4STBE1HLF	28.4	24	—
21	SFV21R-3/4STBE1HLF	28.4	24	—
22	SFV22R-3/4STBE1HLF	28.4	24	—
23	SFV23R-3/4STBE1HLF	36.4	32	28.4
24	SFV24R-3/4STBE1HLF	36.4	32	28.4
25	SFV25R-3/4STBE1HLF	36.4	32	28.4
26	SFV26R-3/4STBE1HLF	36.4	32	28.4
27	SFV27R-3/4STBE1HLF	36.4	32	28.4
28	SFV28R-3/4STBE1HLF	36.4	32	28.4
29	SFV29R-3/4STBE1HLF	36.4	32	28.4
30	SFV30R-3/4STBE1HLF	36.4	32	28.4
31	SFV31R-3/4STBE1HLF	48.4	44	40.4
32	SFV32R-3/4STBE1HLF	48.4	44	40.4
33	SFV33R-3/4STBE1HLF	48.4	44	40.4
34	SFV34R-3/4STBE1HLF	48.4	44	40.4
35	SFV35R-3/4STBE1HLF	48.4	44	40.4

CAT. NO.

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)

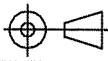
PLATING VARIATION

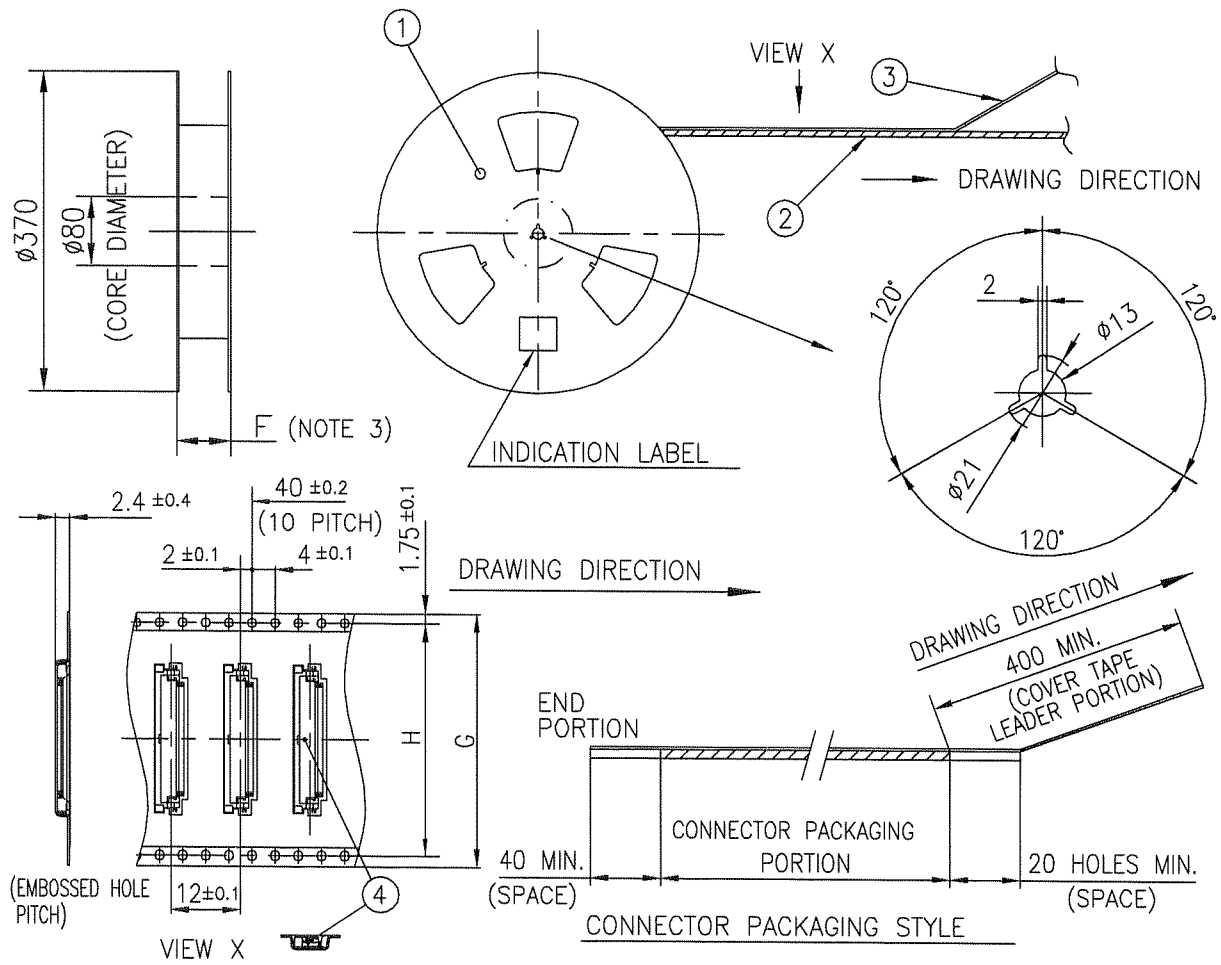
PACKAGE STYLE

HALOGEN FREE 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
3. SEE PART DRAWINGS FOR DIMENSIONS F~H.
4. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

mat'l. code				surface ☒ ISO 1302 ☒ tolerance ☒ ISO 406 ☒ ISO 1101		projection 		product family 58EF		CODE JP	
ltr				ecn no		dr		date		title	
A										CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3/4STBE1HLF)	
				angles		linear		mm		scale $\propto$	
				dr		S. H. T. 2011-1-14		F C I		dwg no sheet 5 of 8 size	
				enrg		S. H. T. 2011-1-14				10116954 A4	
				chr		S. H. T. 2011-1-14					
				appd		M. C. M. 2011-1-14					
sheet index		revision sheet								type Product Customer Drawing	
										Rev. A	

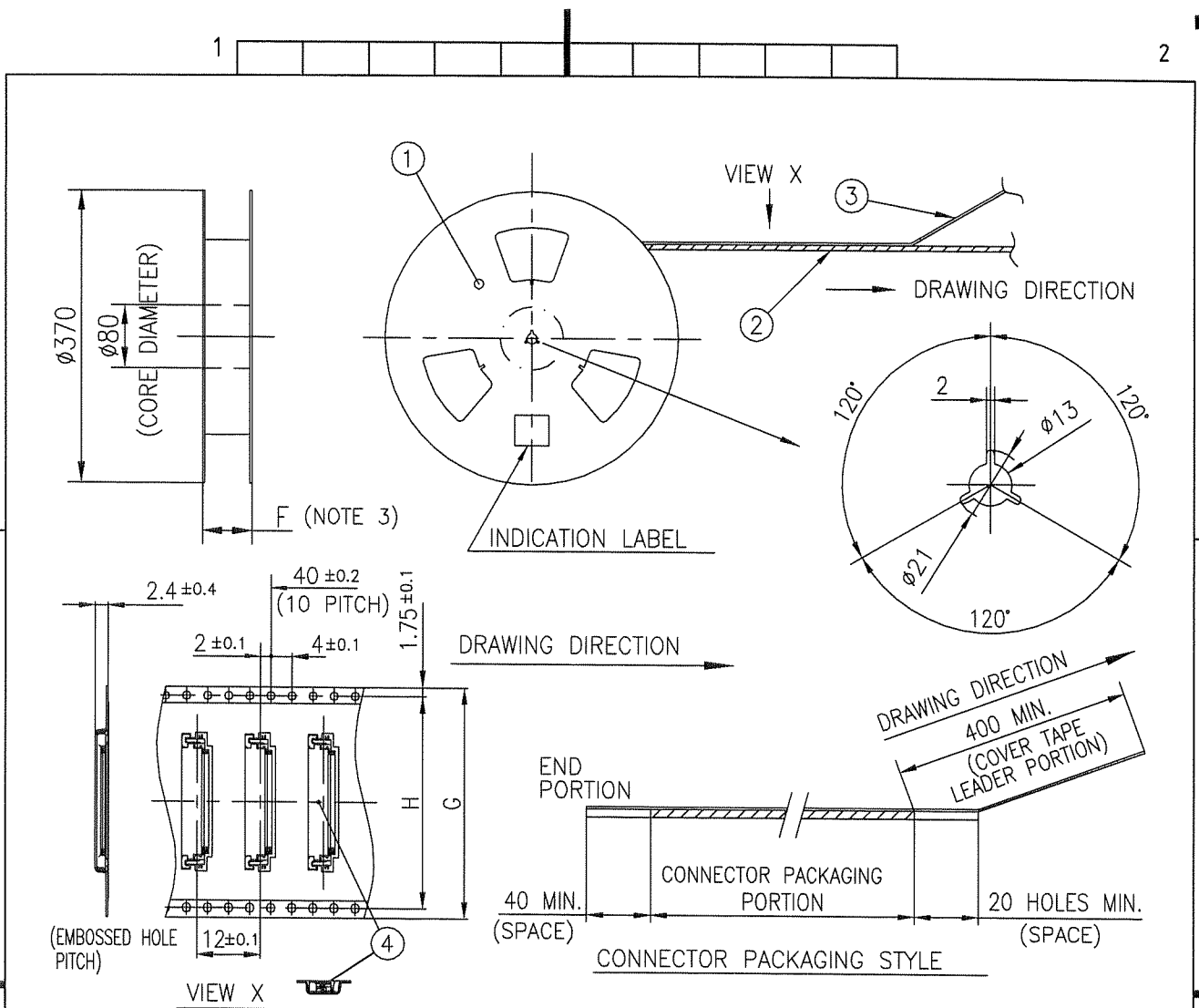


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLO : TRANSPARENCY
4	CONNECTOR	SFV__R-3STB__HLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE WITH CABLE LOCK MECHANISM

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		CODE JP	
ltr				ecn no		dr		date		title	
A										PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3STBE1HLF)	
				angles		linear		mm		dwg no	
				±5'				scale		sheet 6 of 8	
				dr		2011-1-14		FCI		size	
				enr		2011-1-14				A4	
				chr		2011-1-14				10116954	
				appd		2011-1-14				type Product Customer Drawing	
sheet index		revision sheet								Rev. A	



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__HLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE WITH CABLE LOCK MECHANISM

NOTES

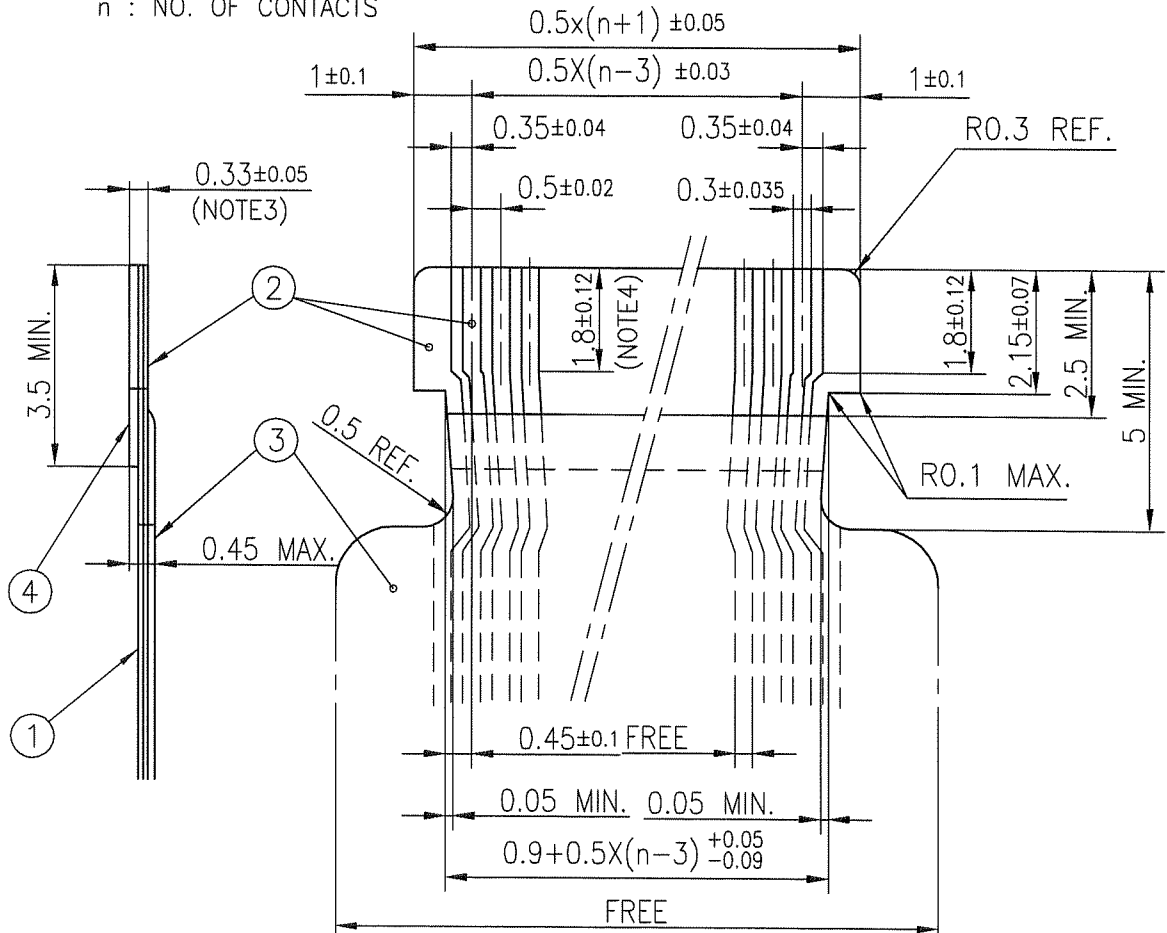
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection mm	product family 58EF	CODE JP
ltr	ecn no	dr	date	tolerances, unless otherwise specified		mm	title PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-4STBE1HLF)	
A				angles	linear	mm	dwg no 10116954	
				±5'		scale	sheet 7 of 8 size A4	
				dr	enr	chr	type Product Customer Drawing	
				appd			Rev. A	
sheet index	revision sheet							

form: A4

RECOMMENDED CABLE (FPC)

n : NO. OF CONTACTS



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (*m)
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		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title			
A				angles	linear	mm		RECOMMENDED CABLE			
						scale $\propto$		(Cat. No. : SFV__R-3/4STB__HLF)			
		dr	S. Hattori	2011-1-14				dwg no		sheet 8 of 8	size
		enr	S. Hattori	2011-1-14				10116954		A4	
		chr	T. Yamada	2011-1-14							
		appd	M. Umezawa	2011-1-14							
sheet index		revision sheet						type Product Customer Drawing		Rev. A	