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## List of "SFW\_\_R-3/4STAE1LF" customer document

DOCUMENT NO.	LIST
SC-SFW16	SPEC.
JSA96274	CAT.NO.TABLE FOR 1mm CONTACT SPACING SMT CONNECTOR (SFW__R-3/4STAE1LF)
JSA96275	1mm SPACING SMT CONNECTOR (SFW__R-3STA__LF)
JSA96276	1mm SPACING SMT CONNECTOR (SFW__R-4STA__LF)
JSA96277	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STAE1LF)
JSA96278	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STAE1LF)
JSA96279	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STAE1LF)
JSA96280	RECOMMENDED CABLE (FPC) (SFW__R-3/4STA__)
GS-20-130	HANDLING PROCEDURES

mat'l. code -				surface ISO 1302 58/		tolerance ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title			
A				J05-0024		H.T		1/20/'05		1mm SPACING FPC CONNECTOR DOCUMENT LIST			
B				J06-0398		H.T		9/26/'06		(Cat. No. : SFW__R-3/4STAE1LF)			
C				J09-0363		M.Y		2009-10-8					
D				J09-0380		M.Y		2009-10-27					
										dwg no		sheet 1 of 1 size	
										JSA 96334		A4	
										type		Product Customer Drawing	
sheet index				revision sheet		D 1						Rev. D	

form: A4

1

2

PDM: Rev:D

STATUS: Released

Printed: Nov 01, 2009

## CAT. NO. &amp; DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.2	D ± 0.1
4	SFW4R-3/4STA__LF	9.8	8.6	3.0	3.92
5	SFW5R-3/4STA__LF	10.8	9.6	4.0	4.92
6	SFW6R-3/4STA__LF	11.8	10.6	5.0	5.92
7	SFW7R-3/4STA__LF	12.8	11.6	6.0	6.92
8	SFW8R-3/4STA__LF	13.8	12.6	7.0	7.92
9	SFW9R-3/4STA__LF	14.8	13.6	8.0	8.92
10	SFW10R-3/4STA__LF	15.8	14.6	9.0	9.92
11	SFW11R-3/4STA__LF	16.8	15.6	10.0	10.92
12	SFW12R-3/4STA__LF	17.8	16.6	11.0	11.92
13	SFW13R-3/4STA__LF	18.8	17.6	12.0	12.92
14	SFW14R-3/4STA__LF	19.8	18.6	13.0	13.92
15	SFW15R-3/4STA__LF	20.8	19.6	14.0	14.92
16	SFW16R-3/4STA__LF	21.8	20.6	15.0	15.92
17	SFW17R-3/4STA__LF	22.8	21.6	16.0	16.92
18	SFW18R-3/4STA__LF	23.8	22.6	17.0	17.92
19	SFW19R-3/4STA__LF	24.8	23.6	18.0	18.92
20	SFW20R-3/4STA__LF	25.8	24.6	19.0	19.92
21	SFW21R-3/4STA__LF	26.8	25.6	20.0	20.92
22	SFW22R-3/4STA__LF	27.8	26.6	21.0	21.92
23	SFW23R-3/4STA__LF	28.8	27.6	22.0	22.92
24	SFW24R-3/4STA__LF	29.8	28.6	23.0	23.92
25	SFW25R-3/4STA__LF	30.8	29.6	24.0	24.92
26	SFW26R-3/4STA__LF	31.8	30.6	25.0	25.92
27	SFW27R-3/4STA__LF	32.8	31.6	26.0	26.92
28	SFW28R-3/4STA__LF	33.8	32.6	27.0	27.92
29	SFW29R-3/4STA__LF	34.8	33.6	28.0	28.92
30	SFW30R-3/4STA__LF	35.8	34.6	29.0	29.92

CAT. NO. SFW (n) R - 3 ST A \_\_ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,  
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION  
3. LOWER CONTACT TYPE  
4. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

GOLD PLATING

PACKAGE STYLE

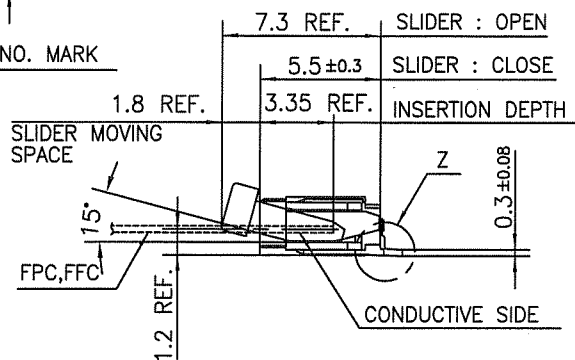
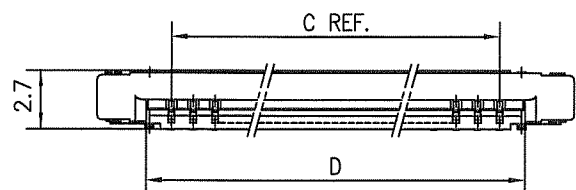
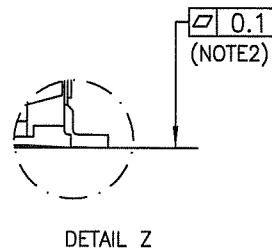
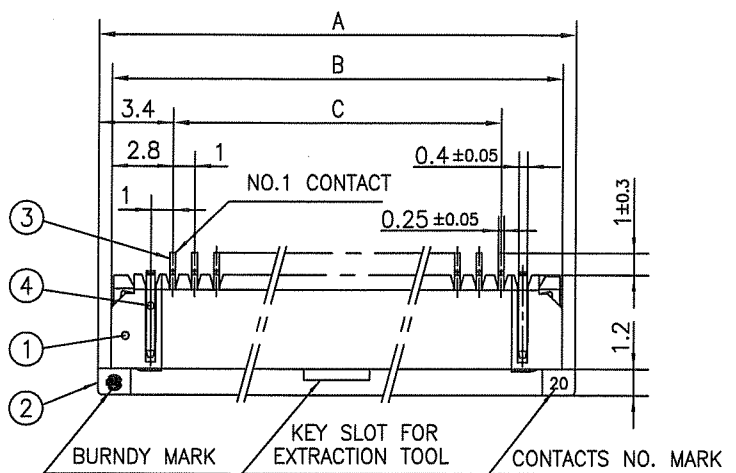
LEAD FREE

## NOTES

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

mat'l. code				surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances, unless otherwise specified		mm		title			
A	J05-0024	H.T	1/20/05	angles linear		mm		CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STA__LF)			
B	J06-0398	H.T	9/26/06								
C	J09-0363	M.Y	2009-10-8			scale X					
				dr	M.YA-ASHITA 2009-10-8		dwg no		sheet 1 of 1		size
				enrg	M.YA-ASHITA 2009-10-8		JSA 96274				A4
				chr	S.H.K.H. 2009-10-8		type		Product Customer Drawing		
				appd	S.H.K.H. 2009-10-8						
sheet index	revision	C									Rev. C
	sheet	1									

SC-SFW16 JSA96275 96276 96277 96280  
form: A4

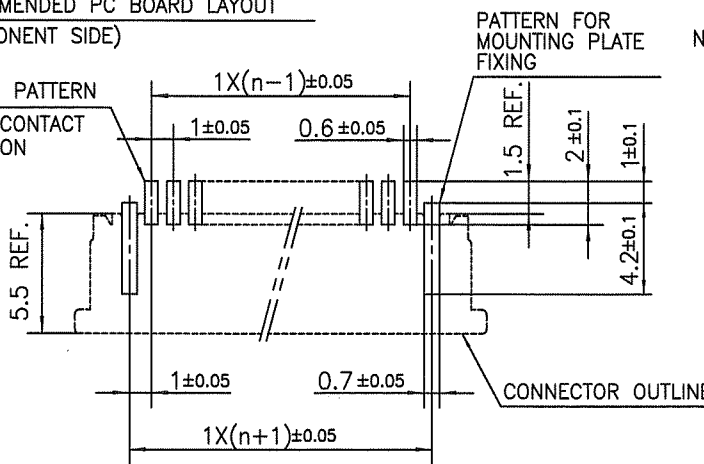


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	SLIDER		1	COLOR:BROWN
3	CONTACT	PHOSPHOR BRONZE	n	CONTACT AREA : GOLD TARMINAL AREA : TIN
4	MOUNTING PLATE		2	PLATING:TIN

n : NO. OF CONTACTS

### RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN  
NO.1 CONTACT  
POSITION

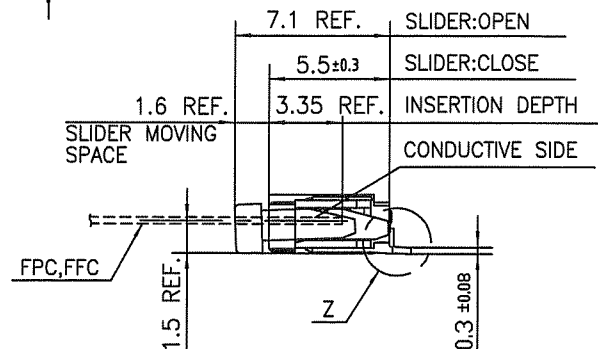


### NOTES

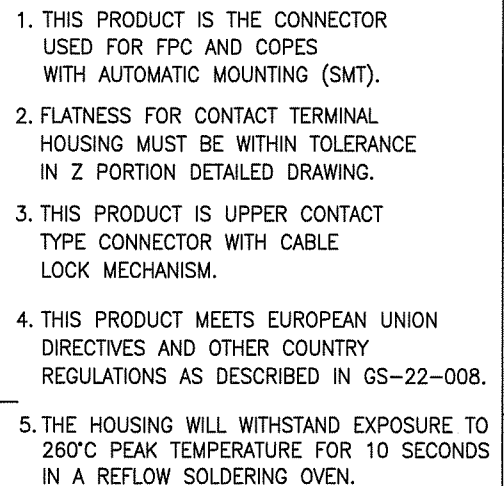
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES 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 58 / tolerance ISO 1302		projection		product family 58RF		CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified		mm		title			
A J05-0024 H.T 1/20/05				angles linear ±0.2		mm		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3STA__LF)			
B J05-0736 H.T 10/28/05											
C J06-0398 H.T 9/26/06											
D J09-0363 M.Y 2009-10-8				dr H.SAMABETIA 2009-10-8		scale X		dwg no sheet 1 of 1 size			
				enr H.SAMABETIA 2009-10-8		FCJ		JSA 96275 A4			
				chr S. M. 2009-10-8				type Product Customer Drawing			
				appd S. M. 2009-10-8							
sheet index		revision sheet 1		D						Rev. D	

SC-SFW16 JSA96274  
form: A4

n : NO. OF CONTACTS

## NOTES



SC-SFW16	JSA96274
form: A4	

## CAT. NO. &amp; DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-3/4STAE1LF	20.4	16	—
5	SFW5R-3/4STAE1LF	28.4	24	—
6	SFW6R-3/4STAE1LF	28.4	24	—
7	SFW7R-3/4STAE1LF	28.4	24	—
8	SFW8R-3/4STAE1LF	28.4	24	—
9	SFW9R-3/4STAE1LF	28.4	24	—
10	SFW10R-3/4STAE1LF	28.4	24	—
11	SFW11R-3/4STAE1LF	28.4	24	—
12	SFW12R-3/4STAE1LF	28.4	24	—
13	SFW13R-3/4STAE1LF	36.4	32	28.4
14	SFW14R-3/4STAE1LF	36.4	32	28.4
15	SFW15R-3/4STAE1LF	36.4	32	28.4
16	SFW16R-3/4STAE1LF	36.4	32	28.4
17	SFW17R-3/4STAE1LF	48.4	44	40.4
18	SFW18R-3/4STAE1LF	48.4	44	40.4
19	SFW19R-3/4STAE1LF	48.4	44	40.4
20	SFW20R-3/4STAE1LF	48.4	44	40.4
21	SFW21R-3/4STAE1LF	48.4	44	40.4
22	SFW22R-3/4STAE1LF	48.4	44	40.4
23	SFW23R-3/4STAE1LF	48.4	44	40.4
24	SFW24R-3/4STAE1LF	48.4	44	40.4
25	SFW25R-3/4STAE1LF	48.4	44	40.4
26	SFW26R-3/4STAE1LF	48.4	44	40.4
27	SFW27R-3/4STAE1LF	48.4	44	40.4
28	SFW28R-3/4STAE1LF	60.4	56	52.4
29	SFW29R-3/4STAE1LF	60.4	56	52.4
30	SFW30R-3/4STAE1LF	60.4	56	52.4

CAT. NO.

SFW (n) R - 3 ST A E1 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,  
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3. LOWER CONTACT TYPE

4. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING  
(SMT)

GOLD PLATING

TAPE PACKAGING

LEAD FREE

## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

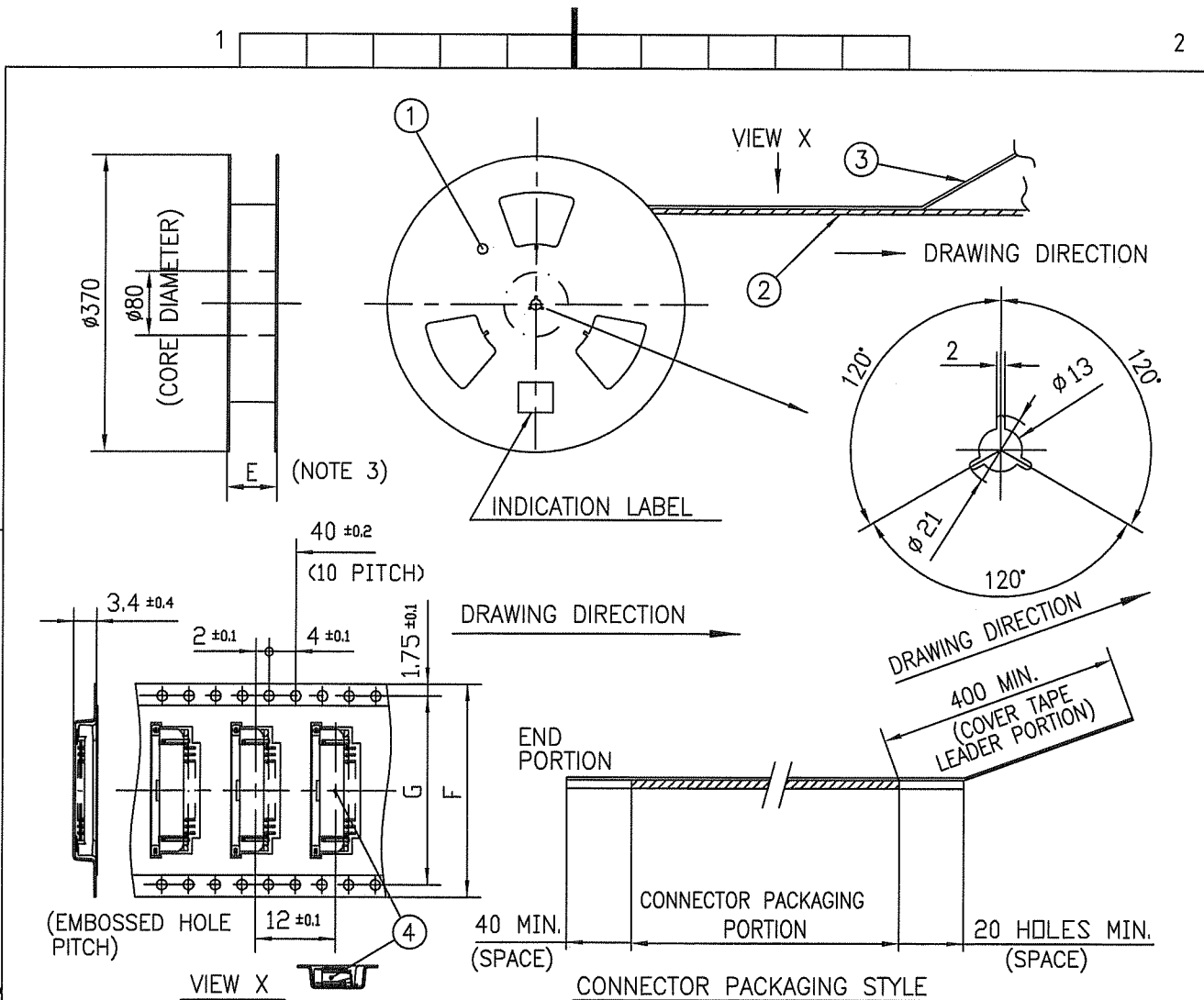
mat'l. code				surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J05-0024	H.T	1/20/05	angles linear		mm		CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STAE1LF)			
B	J06-0398	H.T	9/26/06								
C	J09-0363	M.Y	2009-10-8			scale X		dwg no sheet 1 of 1 size			
				dr H.YAHASHI 2009-10-8		FCI		JSA 96277 A4			
				enr H.YAHASHI 2009-10-8							
				chr S. K. 2009-10-8							
				appd P. Chidambaram 2009-10-8							
sheet index	revision C	sheet 1						type Product Customer Drawing			
											Rev. C

SC-SFW16 form: A4 JSA96274 96278 96279

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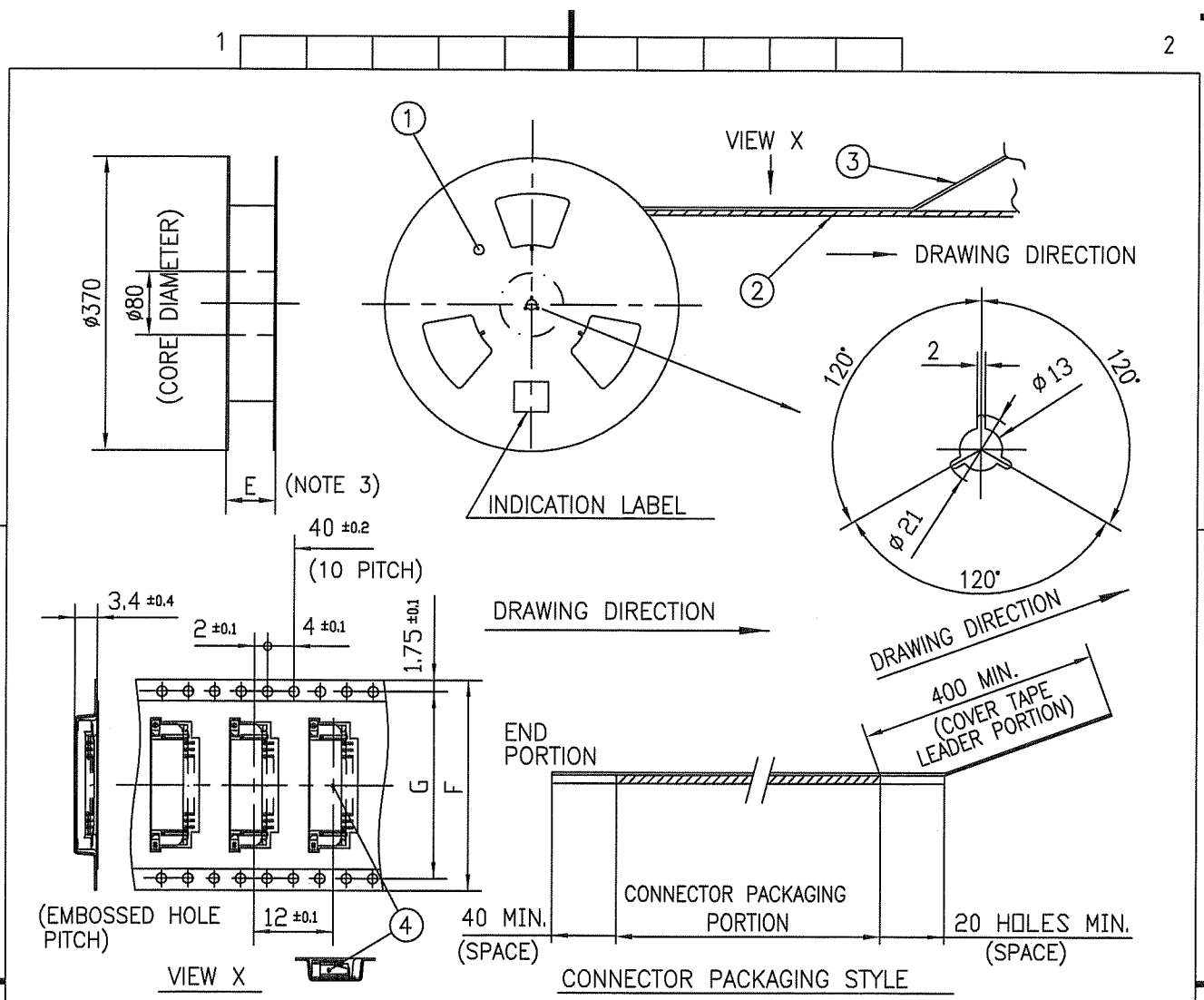
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW_R-3STA_LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

#### NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM 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.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection mm	product family 58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified	±5	mm	title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3STAELF)	
A	J05-0024	H.T	1/20/05	angles	Linear	mm		
B	J06-0398	H.T	9/26/06	±5'		scale X		
C	J09-0363	M.Y	2009-10-8	dr	M.YAMASHITA	2009-10-8	dwg no	
				enr	M.YAMASHITA	2009-10-8	sheet 1 of 1	
				chr	S. Chelam	2009-10-8	JSA 96278	
				appd	S. Chelam	2009-10-8	type Product Customer Drawing	
sheet index	revision	C						Rev. C

SC-SFW16  
form: A4



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-4STA_LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

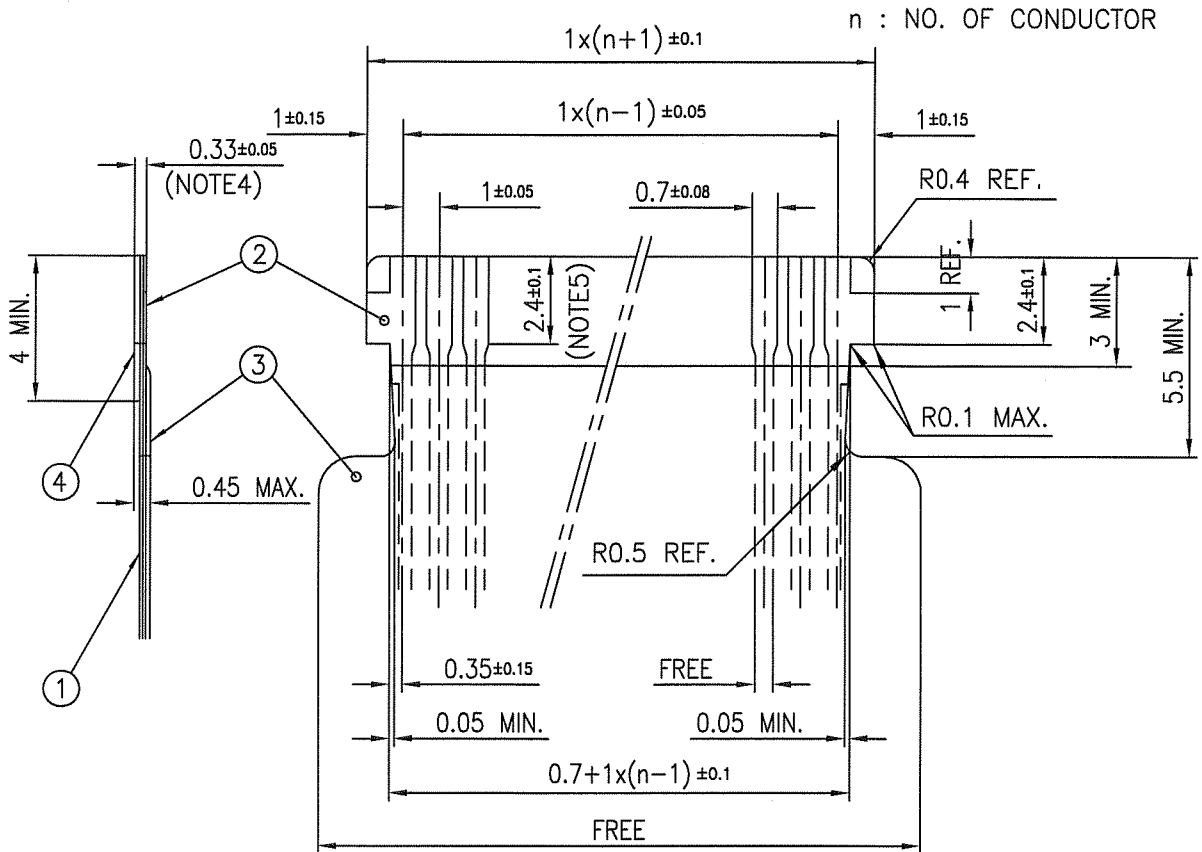
#### NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM 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. E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 <input checked="" type="checkbox"/> ISO 1101		projection 		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances, unless otherwise specified				mm 		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STAE1LF)			
A	J05-0024	H.T	1/20/05	angles	linear								
B	J06-0398	H.T	9/26/06	±5°				scale $\times$		dwg no JSA 96279			
C	J09-0363	M.Y	2009-10-8										
				dr	H.YAHASHITA		2009-10-8		size A4				
				enr	H.YAHASHITA		2009-10-8						
				chr	S. M. K. L.		2009-10-8						
				appd	S. M. K. L.		2009-10-8						
sheet index		revision		C	type Product Customer Drawing								
sheet		sheet		1	Rev. C								

SC-SFW16 JSA96277  
form: A4

# RECOMMENDED CABLE (FPC)



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. THIS DRAWING INDICATES THE FPC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
2. NO BURR AT EACH PORTION.
3. NO PEELING IN COMMON USE.
4. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
5. THIS DIMENSION INDICATES THE RANGE FOR 0.7 ±0.08 CONDUCTOR WIDTH.

mat'l. code				surface 58 / tolerance ISO 1302 4.06 ISO 1101		projection		product family 58RF		CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified		mm		title			
A J05-0024 H.T 1/20/05				angles linear		mm		RECOMMENDED CABLE (Cat. No. SFW__R-3/4STA__)			
B J06-0398 H.T 9/26/06						scale X		dwg no sheet 1 of 1 size			
C J09-0363 M.Y 2009-10-8						FCJ		JSA 96280 A4			
				dr H. YAMASHITA 2009-10-8				type Product Customer Drawing			
				enr H. YAMASHITA 2009-10-8							
				chr S. H. H. 2009-10-8							
				appd S. H. H. 2009-10-8							
sheet index		revision C								Rev. C	
sheet 1											



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