


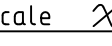



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## List of "SFW\_\_R-3/4STAE5LF" customer document

DOCUMENT NO.	LIST
SC-SFW16	SPEC.
10128718 Sheet2	CAT.NO.TABLE FOR 1mm CONTACT SPACING SMT CONNECTOR (SFW__R-3/4STA__LF)
10128718 Sheet3	1mm SPACING SMT CONNECTOR (SFW__R-3STA__LF)
10128718 Sheet4	1mm SPACING SMT CONNECTOR (SFW__R-4STA__LF)
10128718 Sheet5	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STAE5LF)
10128718 Sheet6	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STAE5LF)
10128718 Sheet7	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STAE5LF)
10128718 Sheet8	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 A		ecn no		dr S.W		date 2013-12-20		tolerances unless otherwise specified				title 1mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFW__R-3/4STAE5LF)	
								mm					
												dwg no 10128718 sheet 1 of 8 size A4	
												type Product Customer Drawing	
sheet index		revision sheet		A 1		A 2		A 3		A 4		A 5	
				A 6		A 7		A 8				Rev. A	

## 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)

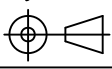


SELECTIVE GOLD PLATING

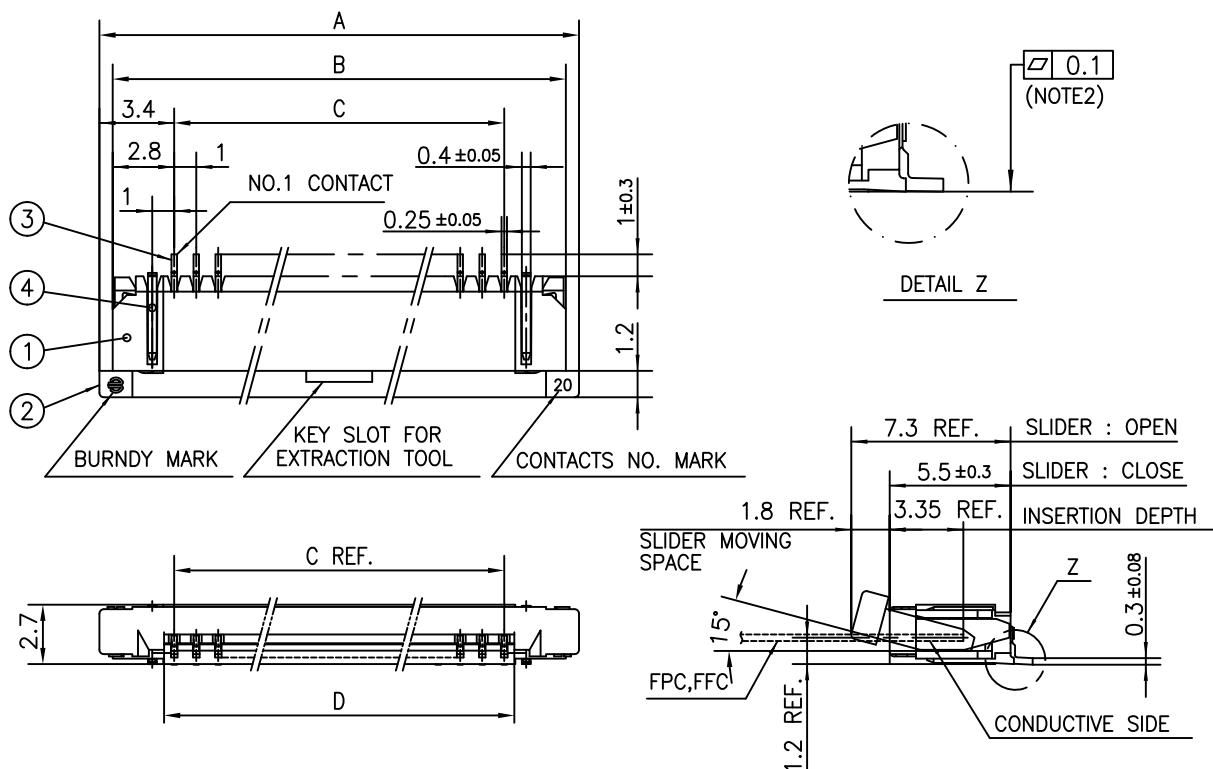
PACKAGE STYLE

LEAD FREE

## NOTES

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

mat'l. code				surface 58 / tolerance ISO 1302 <input checked="" type="checkbox"/> 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 CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STA__LF)			
A				angles	linear						
				dr	S.Watanabe	2013-12-20			dwg no		sheet 2 of 8
				enr	S.Watanabe	2013-12-20			10128718		A4
				chr	TP.Lai	2013-12-20					
				appd	Y.Kameda	2013-12-20					
sheet index		revision sheet								Rev. A	

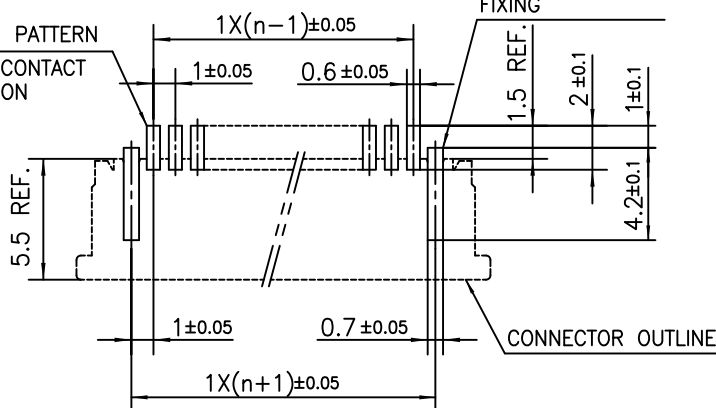


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	SLIDER		1	COLOR:BROWN
3	CONTACT	PHOSPHOR BRONZE	n	CONTACT AREA : GOLD TARMINAL AREA : TIN
4	MOUNTING PLATE		2	PLATING:TIN

n : NO. OF CONTACTS


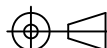
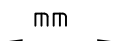


#### RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

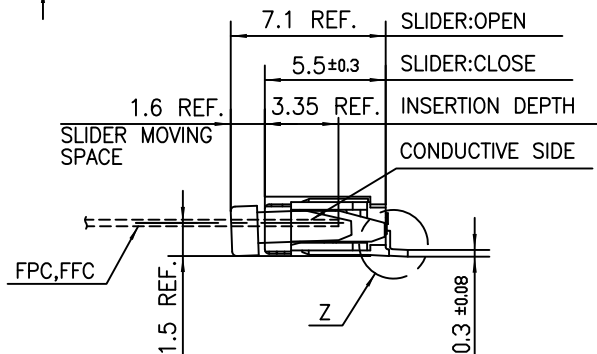
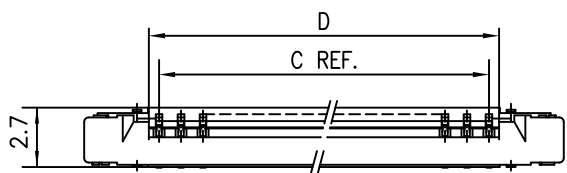
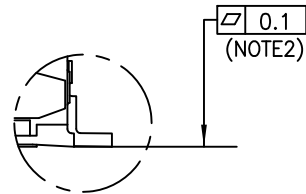
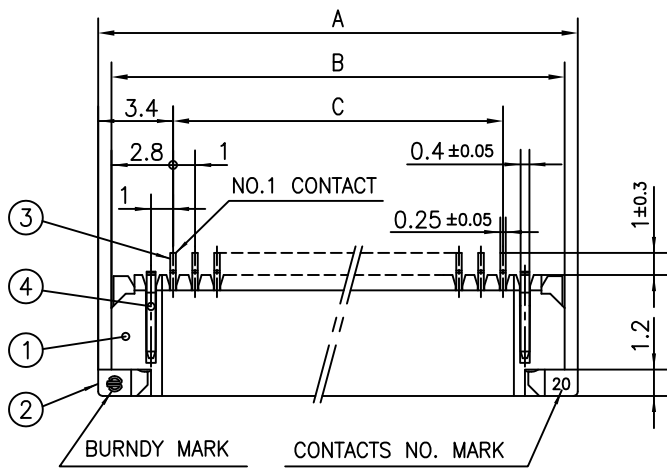
BASIC PATTERN  
NO.1 CONTACT  
POSITION



#### NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES 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 ISO 406 ISO 1101			projection 		product family 58RF				CODE JP			
ltr	ecn no	dr	date	tolerances unless otherwise specified							title 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3STA__LF)					
A				angles	linear	±0.2										
								scale 								
				dr	S.Watanabe	2013-12-20										
				enr	S.Watanabe	2013-12-20										
				chr	TP.Lai	2013-12-20										
				appd	Y.Kameda	2013-12-20		dwg no		sheet 3 of 8				size		
								10128718				A4				
								type		Product Customer Drawing						
sheet index	revision sheet														Rev A	

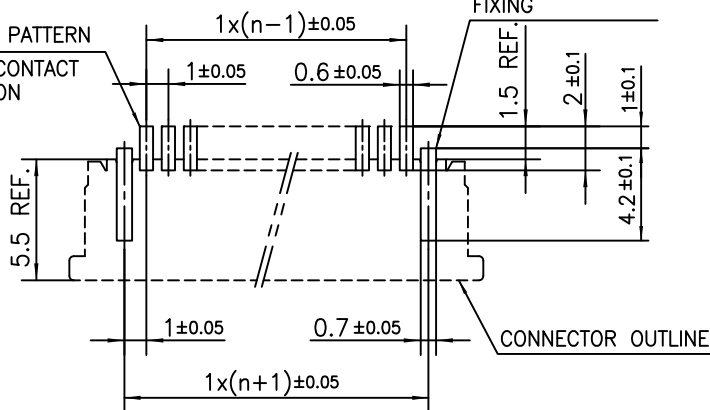


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	SLIDER		1	COLOR:BROWN
3	CONTACT	PHOSPHOR BRONZE	n	CONTACT AREA : GOLD TARMINAL AREA : TIN
4	MOUNTING PLATE		2	PLATING:TIN

n : NO. OF CONTACTS

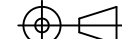


#### RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

#### BASIC PATTERN NO.1 CONTACT POSITION



#### NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS UPPER 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 / ISO 406 / ISO 1101			projection		product family 58RF				CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified					title 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STA__LF)						
A				angles	linear	±0.2	mm 								
							scale $\propto$								
				dr	S.Watanabe	2013-12-20			dwg no				sheet 4 of 8		size
				enr	S.Watanabe	2013-12-20			10128718				A4		
				chr	TP.Lai	2013-12-20									
				appd	S.Watanabe	2013-12-20									
sheet index		revision sheet													Rev. A

## CAT. NO. &amp; DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E MAX.	F ± 0.3	G ± 0.1
4	SFW4R-3/4STAE5LF	22.4	16	—
5	SFW5R-3/4STAE5LF	30.4	24	—
6	SFW6R-3/4STAE5LF	30.4	24	—
7	SFW7R-3/4STAE5LF	30.4	24	—
8	SFW8R-3/4STAE5LF	30.4	24	—
9	SFW9R-3/4STAE5LF	30.4	24	—
10	SFW10R-3/4STAE5LF	30.4	24	—
11	SFW11R-3/4STAE5LF	30.4	24	—
12	SFW12R-3/4STAE5LF	30.4	24	—
13	SFW13R-3/4STAE5LF	38.4	32	28.4
14	SFW14R-3/4STAE5LF	38.4	32	28.4
15	SFW15R-3/4STAE5LF	38.4	32	28.4
16	SFW16R-3/4STAE5LF	38.4	32	28.4
17	SFW17R-3/4STAE5LF	50.4	44	40.4
18	SFW18R-3/4STAE5LF	50.4	44	40.4
19	SFW19R-3/4STAE5LF	50.4	44	40.4
20	SFW20R-3/4STAE5LF	50.4	44	40.4
21	SFW21R-3/4STAE5LF	50.4	44	40.4
22	SFW22R-3/4STAE5LF	50.4	44	40.4
23	SFW23R-3/4STAE5LF	50.4	44	40.4
24	SFW24R-3/4STAE5LF	50.4	44	40.4
25	SFW25R-3/4STAE5LF	50.4	44	40.4
26	SFW26R-3/4STAE5LF	50.4	44	40.4
27	SFW27R-3/4STAE5LF	50.4	44	40.4
28	SFW28R-3/4STAE5LF	62.4	56	52.4
29	SFW29R-3/4STAE5LF	62.4	56	52.4
30	SFW30R-3/4STAE5LF	62.4	56	52.4

CAT. NO.

SFW (n) R - 3 ST A E5 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 TYPEFOR AUTOMATIC MOUNTING  
(SMT)

SELECTIVE GOLD PLATING

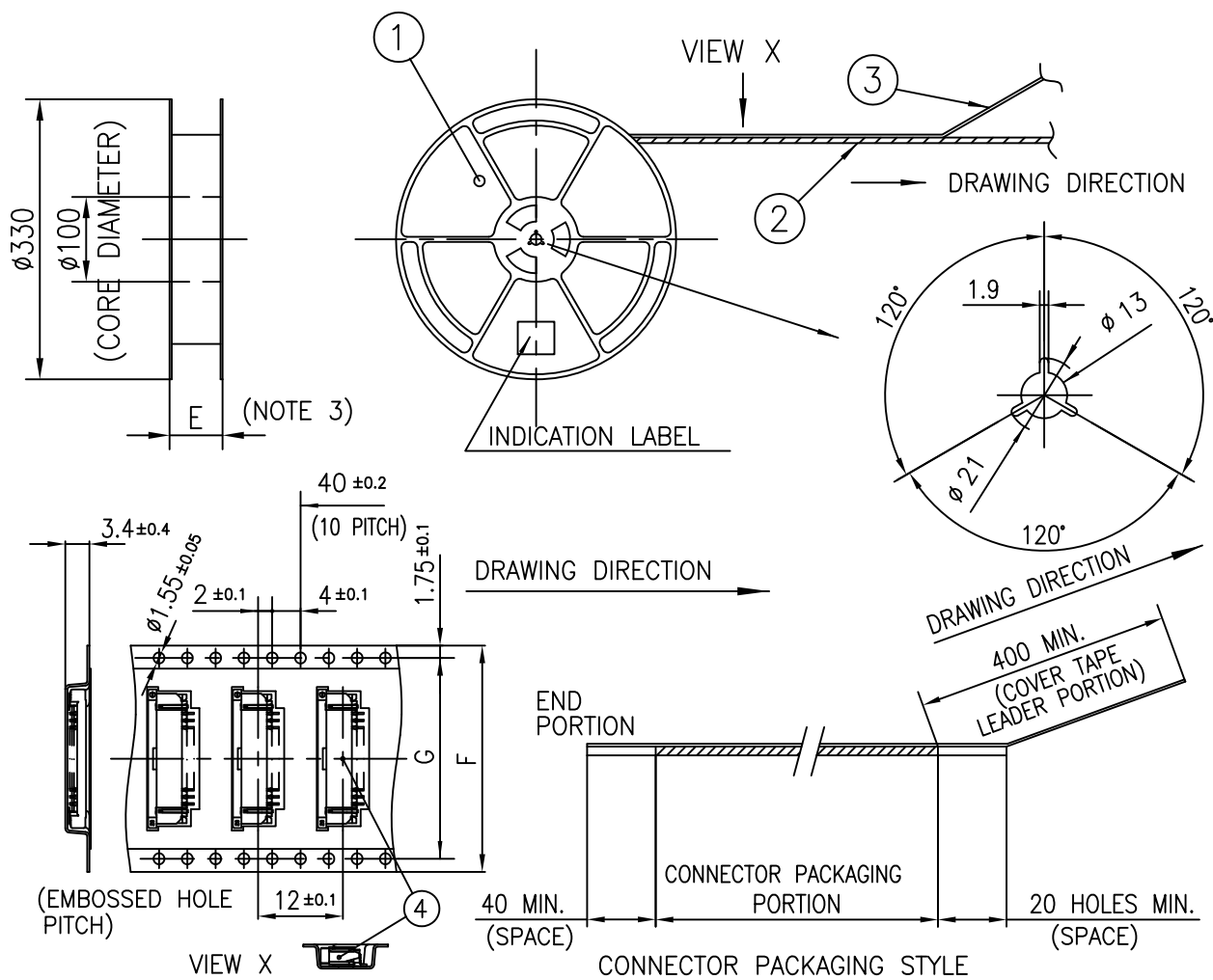
TAPE PACKAGING FOR E5  
(1500pcs PER PLASTIC REEL)

LEAD FREE

## NOTES

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

mat'l. code				surface 58 / tolerance ISO 1302		projection		product family 58RF		CODE JP	
-				ISO 406 / ISO 1101				title CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STAE5LF)			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm					
A				angles	linear						
				dr	S.Watanabe	2013-12-20	FCI		dwg no		sheet 5 of 8
				enr	S.Watanabe	2013-12-20			10128718		A4
				chr	TP.Lai	2013-12-20					
				appd	Y.Kameda	2013-12-20			type Product Customer Drawing		
sheet index	revision sheet										Rev. A

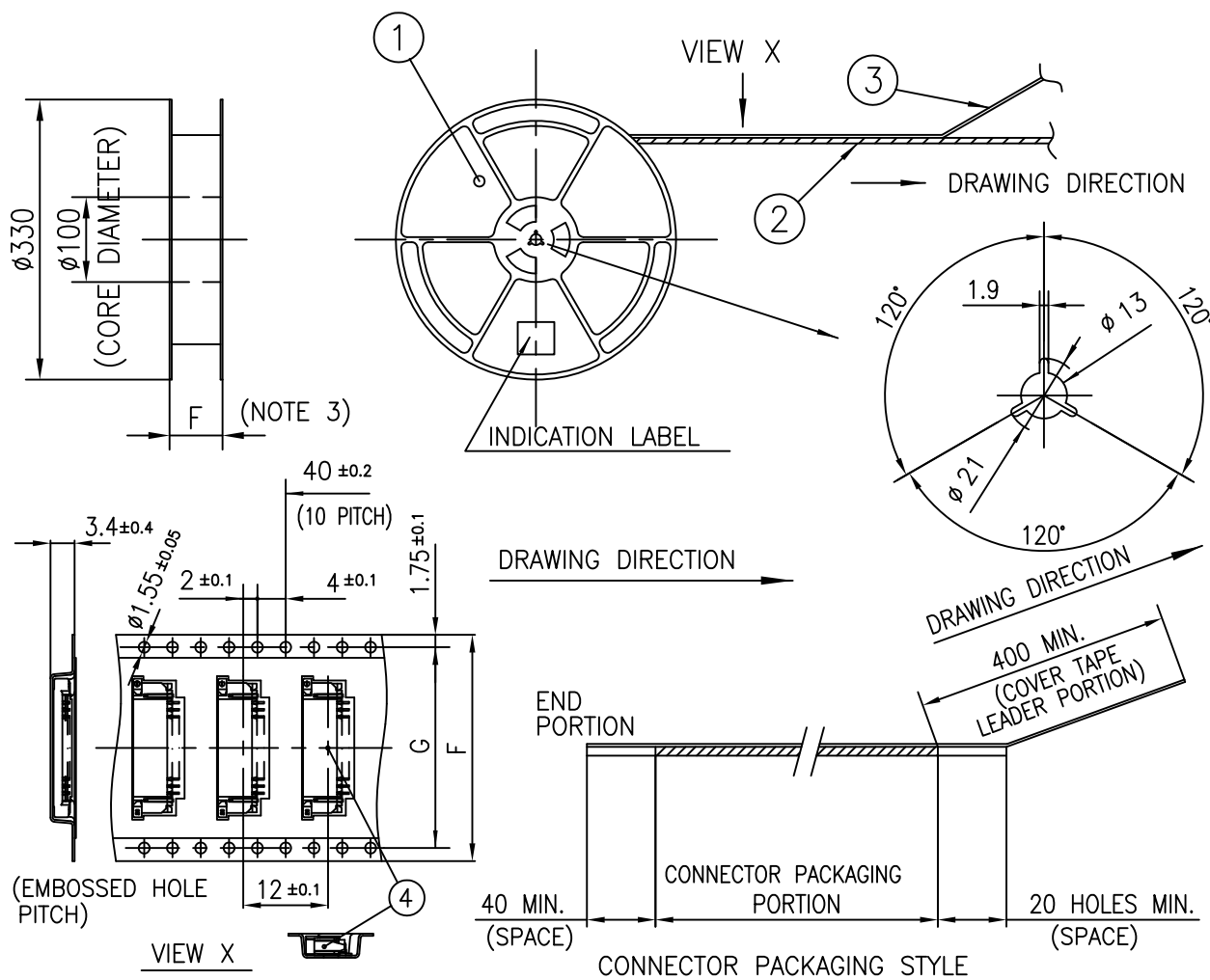


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR : TRANSPARENCY (CLEAR)
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFW__R-3STA__LF	SEE ATTACHED DWG.	1500	LOWER CONTACT TYPE

## 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.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302	tolerance ISO 406 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-3STAE5LF)		
A				angles	linear				
				±5°		scale	dwg no		
				dr	S.Watanabe	2013-12-20	sheet 6 of 8		
				engr	S.Watanabe	2013-12-20			
				chr	TP.Lai	2013-12-20	10128718		
				appd	Y.Kameda	2013-12-20			
sheet index	revision sheet						type Product Customer Drawing		
							Rev. A		



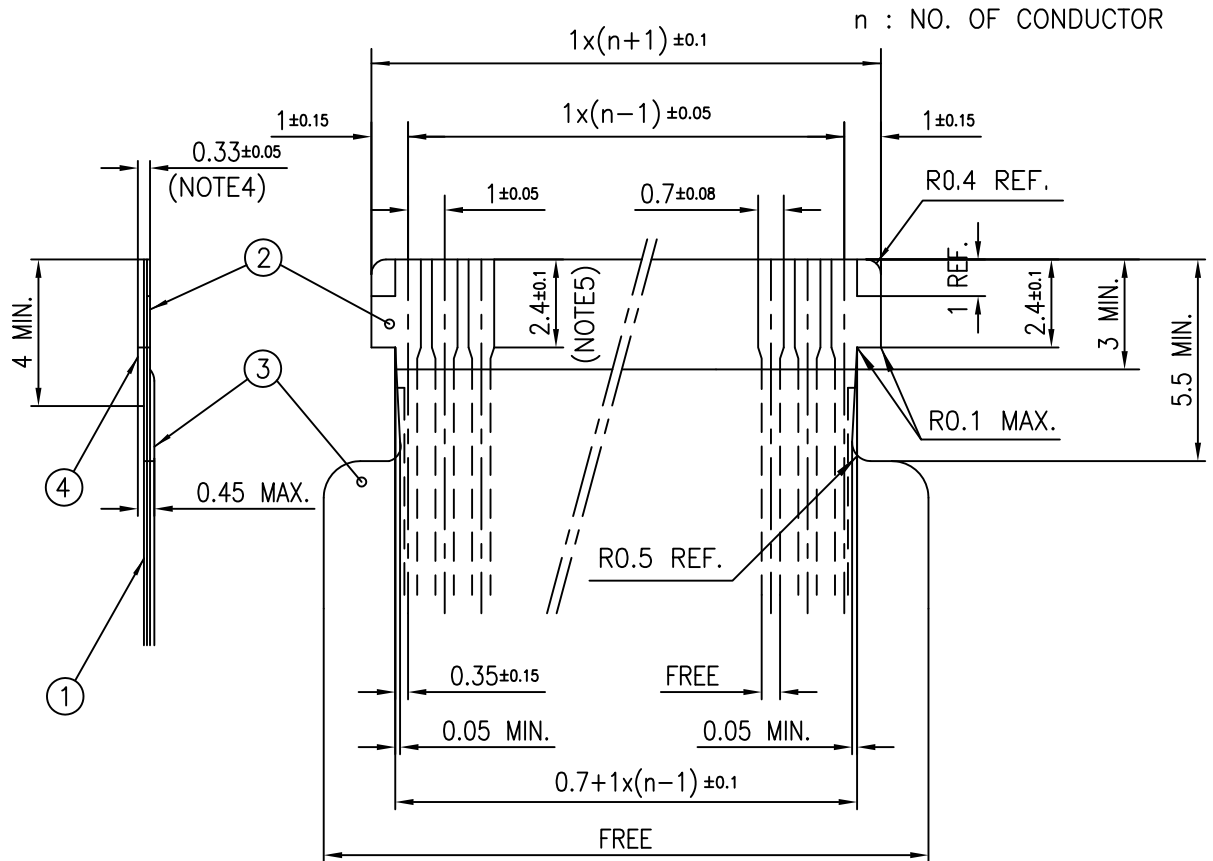
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR : TRANSPARENCY (CLEAR)
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFW__R-4STA__LF	SEE ATTACHED DWG.	1500	UPPER CONTACT TYPE

## 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.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302	tolerance ISO 406 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-4STAE5LF)		
A				angles	linear				
				±5°		scale	dwg no		
						FCI			
				dr	S.Watanabe	2013-12-20	sheet 7 of 8		
				engr	S.Watanabe	2013-12-20			
				chr	TP.Lai	2013-12-20	10128718		
				appd	Y.Kameda	2013-12-20			
sheet index	revision sheet						type Product Customer Drawing		
							Rev. A		

## 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/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified						title			
A								mm		RECOMMENDED CABLE			
				angles linear						(Cat. No. SFW__R-3/4STA__)			
								scale X					
				dr S.Watanabe		2013-12-20		FCI		dwg no		sheet 8 of 8 size	
				enr S.Watanabe		2013-12-20				10128718		A4	
				chr TP.Lai		2013-12-20							
				appd Y.Kameda		2013-12-20				type Product Customer Drawing			
sheet index		revision sheet										Rev. A	