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## List of "SFW\_\_R-3/4STA5LF" customer document

DOCUMENT NO.	LIST
SC-SFW16	SPEC.
10128718 Sheet2	CAT.NO.TABLE FOR 1mm CONTACT SPACING SMT CONNECTOR (SFW__R-3/4STA5LF)
10128718 Sheet3	1mm SPACING SMT CONNECTOR (SFW__R-3STA5LF)
10128718 Sheet4	1mm SPACING SMT CONNECTOR (SFW__R-4STA5LF)
10128718 Sheet5	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STA5LF)
10128718 Sheet6	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STA5LF)
10128718 Sheet7	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STA5LF)
10128718 Sheet8	RECOMMENDED CABLE (FPC) (SFW__R-3/4STA5LF)
GS-20-130	HANDLING PROCEDURES

mat'l. code				surface	58	tolerance	ISO 406	projection	product family	58RF	CODE
ISO 1302				ISO 1302	✓	ISO 1101					JP
ltr	ecn no	dr	date	tolerances unless otherwise specified					title		
A		S.W	2013-12-20	angles	linear			mm	1mm SPACING FPC CONNECTOR DOCUMENT LIST		
								scale	(Cat. No. : SFW__R-3/4STA5LF)		
				dr	S.Watanabe	2013-12-20			dwg no	sheet 1 of 8	size
				engr	S.Watanabe	2013-12-20			10128718		A4
				chr	TP.Lai	2013-12-20					
				appd	Y.Kameda	2013-12-20					
sheet		revision	A	A	A	A	A				
index		sheet	1	2	3	4	5	6	7	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 TYPEFOR AUTOMATIC MOUNTING  
(SMT)

SELECTIVE GOLD PLATING

PACKAGE STYLE

LEAD FREE

A

A

B

B

C

C

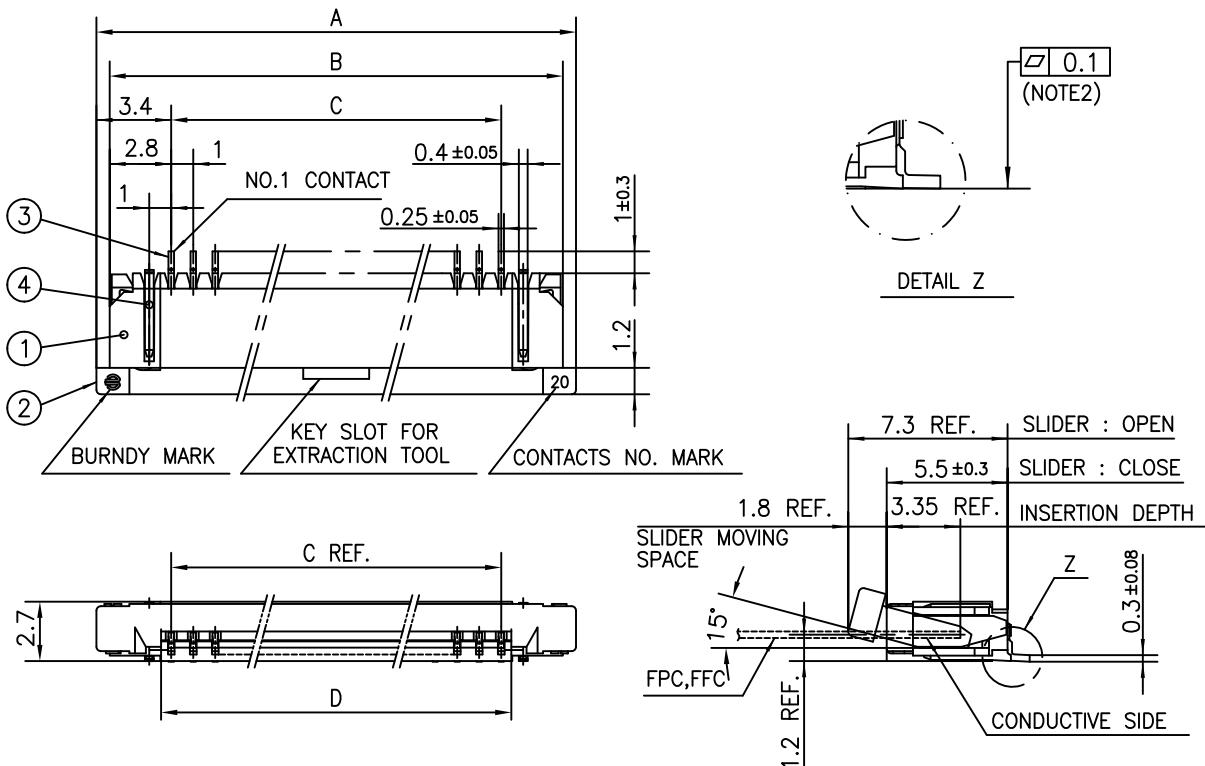
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## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES 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 ISO 1302 ✓		tolerance ISO 406 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						
								scale	χ		
				dr	S.Watanabe	2013-12-20					
				engr	S.Watanabe	2013-12-20					
				chr	TP.Lai	2013-12-20					
				appd	Y.Kameda	2013-12-20					
sheet index								dwg no	sheet 2 of 8	size	
sheet								10128718		A4	
								type	Product Customer Drawing		
								Rev.	A		

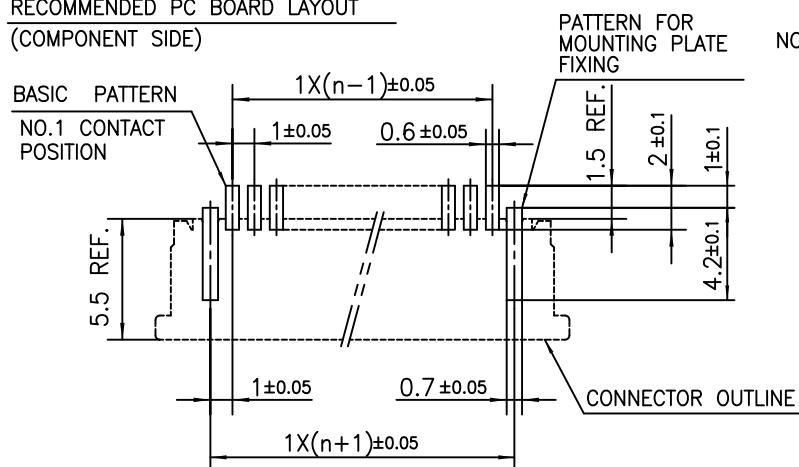
D



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS	1	COLOR:BLACK
2	SLIDER	REINFORCED (UL94V-0)	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)

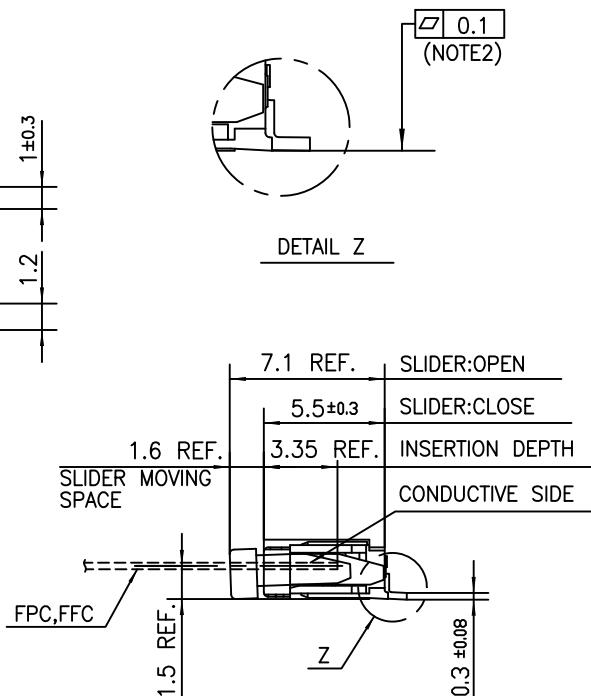
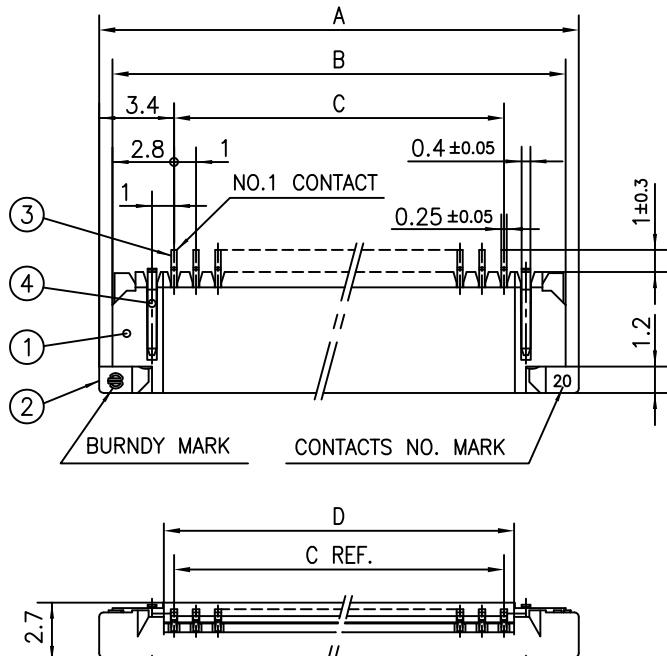


NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES 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 ISO 1302	tolerance 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			
						mm	dwg no	sheet 3 of 8	size
						scale X	10128718		A4
				dr	S.Watanabe	2013-12-20			
				engr	S.Watanabe	2013-12-20			
				chr	TP.Lai	2013-12-20			
				appd	Y.Kameda	2013-12-20			
sheet		revision							Rev.
index		sheet							A

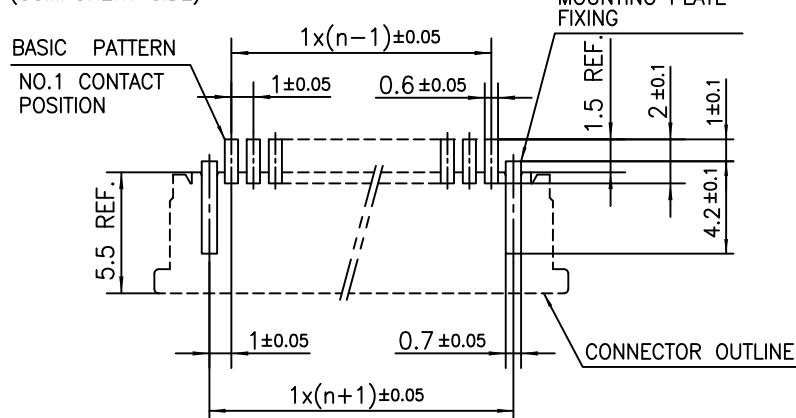




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS	1	COLOR:BLACK
2	SLIDER	REINFORCED (UL94V-0)	1	COLOR:BROWN
3	CONTACT	PHOSPHOR BRONZE	n	CONTACT AREA : GOLD TARMINAL AREA : TIN
4	MOUNTING PLATE		2	PLATING:TIN

n : NO. OF CONTACTS

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



**NOTES**

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPIES 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.

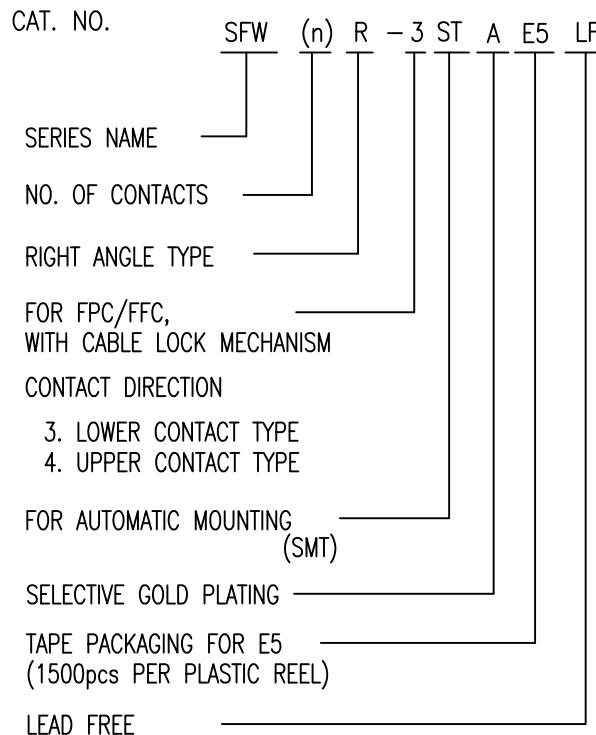
mat'l. code				surface 58 ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
A				angles linear				1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STA__LF)	
				±0.2				dwg no	
				dr S.Watanabe 2013-12-20				sheet 4 of 8	
				engr S.Watanabe 2013-12-20				size	
				chr TP.Lai 2013-12-20				10128718	
				appd S.Watanabe 2013-12-20				type	
D	sheet	revision						Product Customer Drawing	
	index	sheet						Rev. A	

CAT. NO. & DIMENSIONS

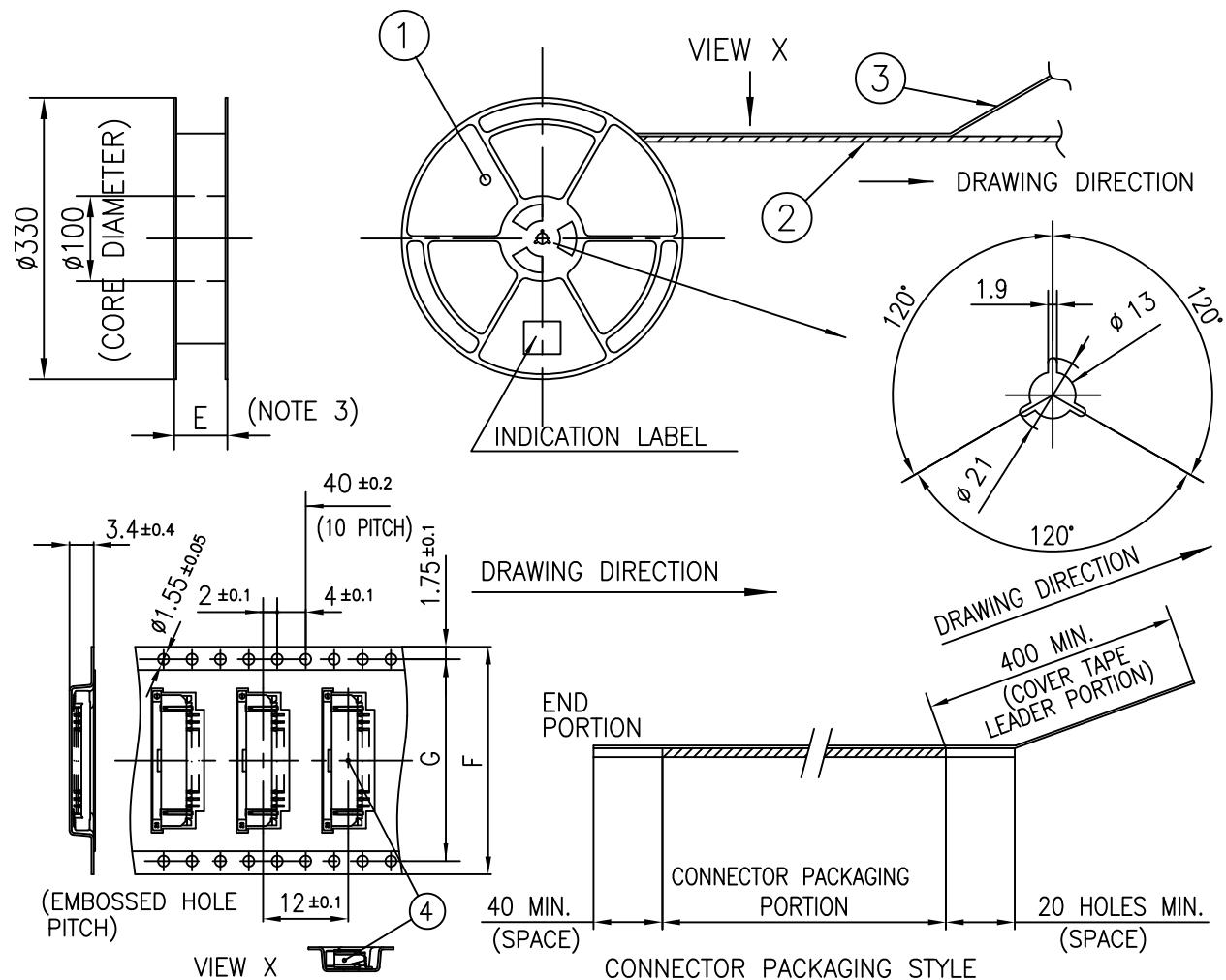
NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E MAX.	F ± 0.3	G ± 0.1
4	SFW4R-3/4STAE5LF	22.4	16	—
5	SFW5R-3/4STAE5LF	30.4	24	—
6	SFW6R-3/4STAE5LF	30.4	24	—
7	SFW7R-3/4STAE5LF	30.4	24	—
8	SFW8R-3/4STAE5LF	30.4	24	—
9	SFW9R-3/4STAE5LF	30.4	24	—
10	SFW10R-3/4STAE5LF	30.4	24	—
11	SFW11R-3/4STAE5LF	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

## NOTES

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



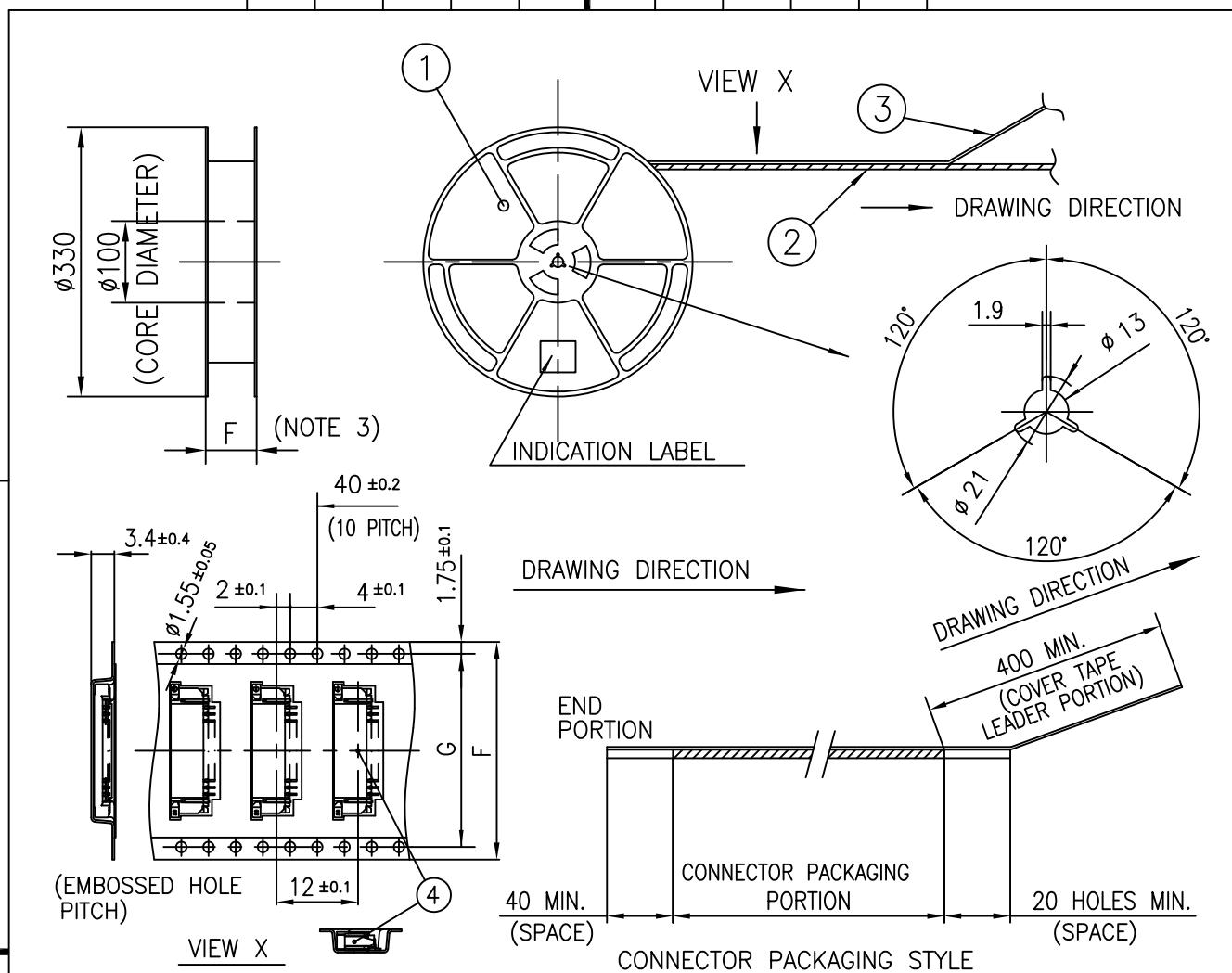
mat'l. code		surface 58 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection	product family	58RF	CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified						
A				angles	linear					
						mm				
						scale X				
		dr	S.Watanabe	2013-12-20		F C I	dwg no		sheet 5 of 8	
		engr	S.Watanabe	2013-12-20			10128718		size A4	
		chr	TP.Lai	2013-12-20			type		Customer Drawing	
		appd	Y.Kameda	2013-12-20			Rev.		A	
sheet	revision									
index	sheet									



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

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR 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.



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

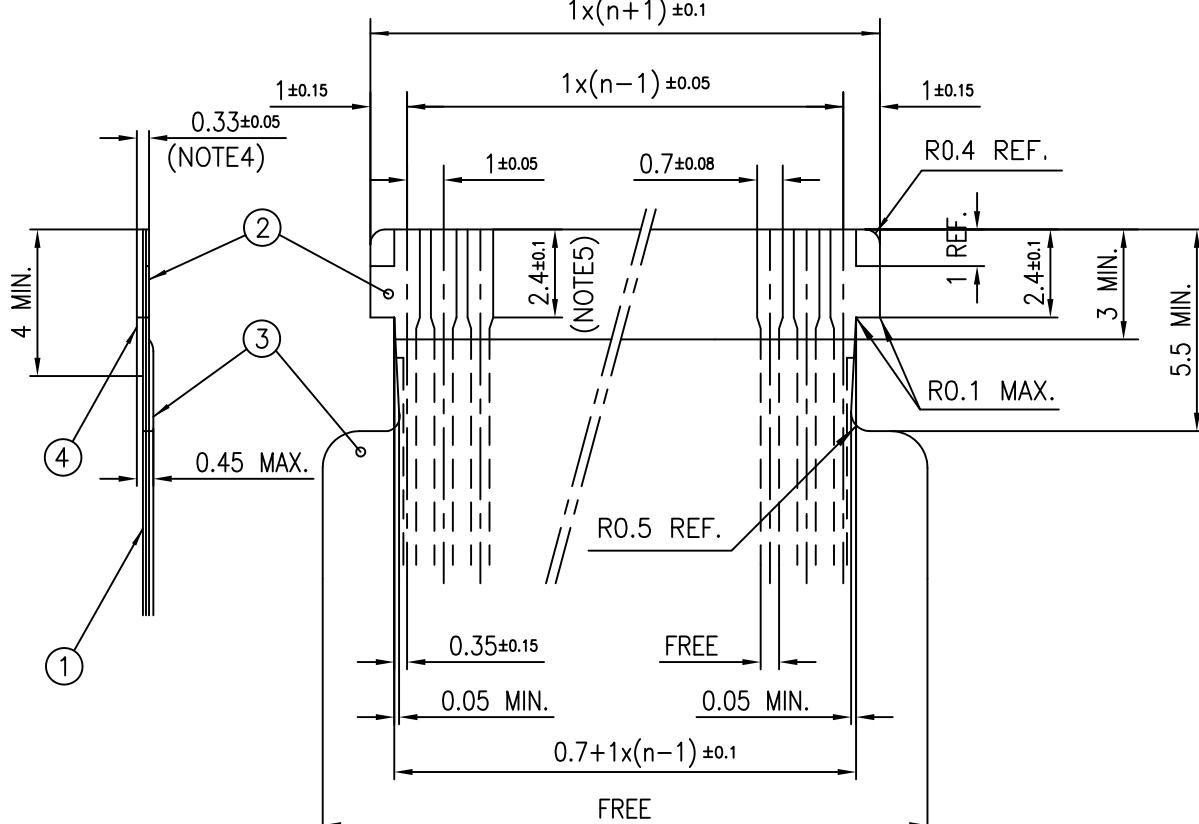
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.

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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			title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-4STAELF)		
				angles	linear	±5			
				±5°		mm			
				dr	S.Watanabe	2013-12-20			
				engr	S.Watanabe	2013-12-20			
				chr	TP.Lai	2013-12-20			
				appd	Y.Kameda	2013-12-20			
sheet index		revision sheet						Rev. A	
FCI									

## RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTOR



A

A

B

B

PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)
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  $0.7 \pm 0.08$  CONDUCTOR WIDTH.

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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				angles	linear		RECOMMENDED CABLE (Cat. No. SFW__R-3/4STA__)		
						mm			
						scale $\chi$			
				dr	S.Watanabe	2013-12-20	dwg no	sheet 8 of 8	size
				engr	S.Watanabe	2013-12-20	10128718		A4
				chr	TP.Lai	2013-12-20	type Product Customer Drawing		
				appd	Y.Kameda	2013-12-20			
sheet index		revision sheet							Rev. A