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## List of "SFW\_R-1/2STGE1LF" customer document

DOCUMENT NO.		LIST	
SC-SFW14		SPEC.	
JSA96365	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW_R-1/2STGE1LF)		
JSA96366	1mm SPACING SMT CONNECTOR (SFW_R-1STGE1LF)		
JSA96367	1mm SPACING SMT CONNECTOR (SFW_R-2STGE1LF)		
JSA96368	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW_R-1/2STGE1LF)		
JSA96369	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW_R-1STGE1LF)		
JSA96370	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW_R-2STGE1LF)		
JSA96371	RECOMMENDED CABLE (FPC) (SFW_R-1/2STGE1LF)		
GS-20-129	HANDLING PROCEDURES		

mat'l. code				surface	58	tolerance	ISO 406	projection	product family	58RF	CODE
Ltr	ecn no	dr	date	tolerances unless otherwise specified				mm	title		
A	J05-0243	H.T	'05/4/20	angles					1mm SPACING SMT CONNECTOR DOCUMENT LIST		
B	J06-0398	H.T	9/26/'06	linear					(Cat. No. : SFW_R-1/2STGE1LF)		
C	J09-0358	M.Y	2009-10-5						dwg no	sheet 1 of 1	size
D	J09-0380	M.Y	2009-10-27	dr	M.YAHASHITA	2009-10-27			JSA 96364	A4	
				engr	M.YAHASHITA	2009-10-27					
				chr	S. Maiti	2009-10-27					
				appd	S. Maiti	2009-10-27					
sheet index	revision	D									Rev. D
	sheet	1									

## 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-1/2STG_LF	9.8	8.6	3.0	5.3
5	SFW5R-1/2STG_LF	10.8	9.6	4.0	6.3
6	SFW6R-1/2STG_LF	11.8	10.6	5.0	7.3
7	SFW7R-1/2STG_LF	12.8	11.6	6.0	8.3
8	SFW8R-1/2STG_LF	13.8	12.6	7.0	9.3
9	SFW9R-1/2STG_LF	14.8	13.6	8.0	10.3
10	SFW10R-1/2STG_LF	15.8	14.6	9.0	11.3
11	SFW11R-1/2STG_LF	16.8	15.6	10.0	12.3
12	SFW12R-1/2STG_LF	17.8	16.6	11.0	13.3
13	SFW13R-1/2STG_LF	18.8	17.6	12.0	14.3
14	SFW14R-1/2STG_LF	19.8	18.6	13.0	15.3
15	SFW15R-1/2STG_LF	20.8	19.6	14.0	16.3
16	SFW16R-1/2STG_LF	21.8	20.6	15.0	17.3
17	SFW17R-1/2STG_LF	22.8	21.6	16.0	18.3
18	SFW18R-1/2STG_LF	23.8	22.6	17.0	19.3
19	SFW19R-1/2STG_LF	24.8	23.6	18.0	20.3
20	SFW20R-1/2STG_LF	25.8	24.6	19.0	21.3
21	SFW21R-1/2STG_LF	26.8	25.6	20.0	22.3
22	SFW22R-1/2STG_LF	27.8	26.6	21.0	23.3
23	SFW23R-1/2STG_LF	28.8	27.6	22.0	24.3
24	SFW24R-1/2STG_LF	29.8	28.6	23.0	25.3
25	SFW25R-1/2STG_LF	30.8	29.6	24.0	26.3
26	SFW26R-1/2STG_LF	31.8	30.6	25.0	27.3
27	SFW27R-1/2STG_LF	32.8	31.6	26.0	28.3
28	SFW28R-1/2STG_LF	33.8	32.6	27.0	29.3
29	SFW29R-1/2STG_LF	34.8	33.6	28.0	30.3
30	SFW30R-1/2STG_LF	35.8	34.6	29.0	31.3

CAT. NO. SFW (n) R - 1 ST G \_\_\_\_ 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) \_\_\_\_\_

GOLD PLATING \_\_\_\_\_

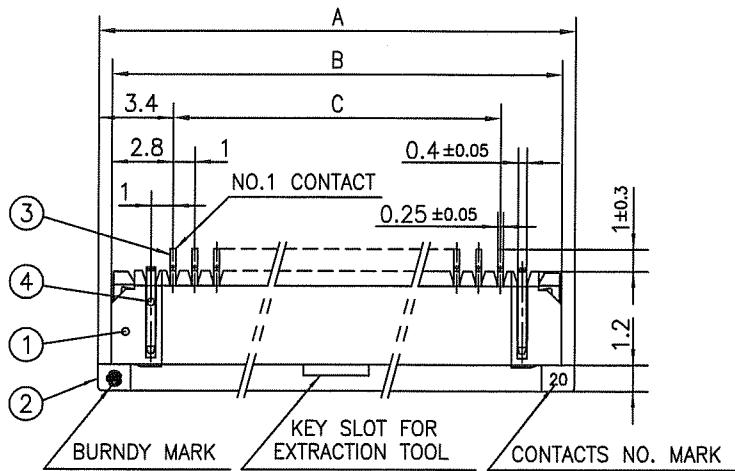
PACKAGE STYLE \_\_\_\_\_

LEAD FREE \_\_\_\_\_

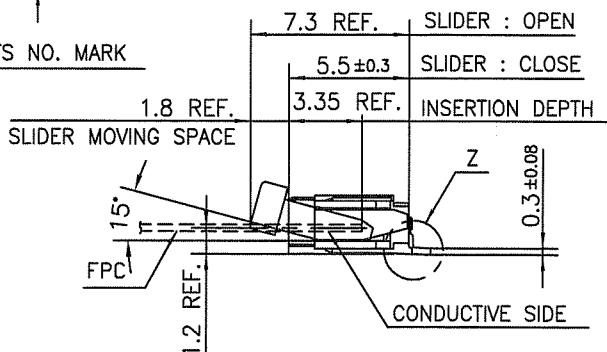
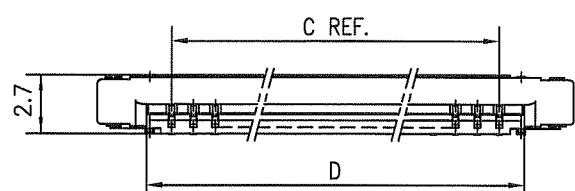
## NOTES

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

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	CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STG__LF)	
A	J05-0243	H.T	4/20/05	angles		linear		dwg no	sheet 1 of 1
B	J06-0398	H.T	9/26/06						
C	J09-0358	M.Y	2009-10-5			scale X		size	A4
				dr	H.YAMASHITA	2009-10-5	FCJ	JSA 96365	D
				engr	H.YAMASHITA	2009-10-5			
				chr	S. M. T. A.	2009-10-6			
				appd	R. Andoniu	2009-10-6			
sheet	revision	C							
	index	sheet	1						

0.1  
(NOTE2)

DETAIL Z

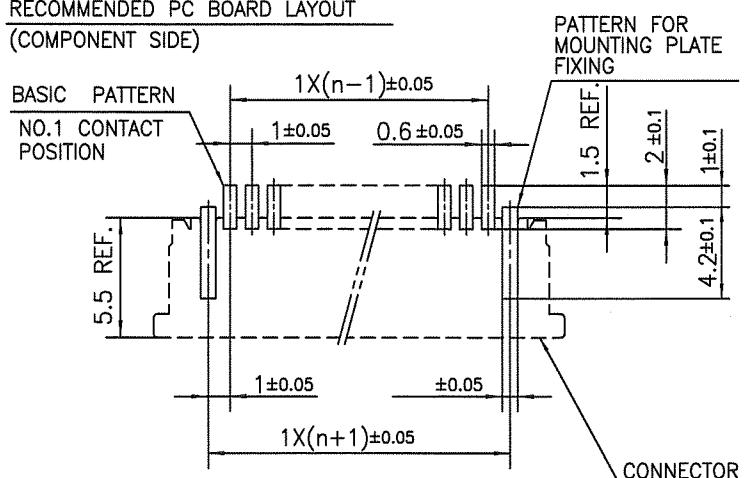


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS	1	COLOR : BROWN
2	SLIDER	REINFORCED (UL94V-0)	1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD
4	MOUNTING PLATE		2	PLATING : TIN

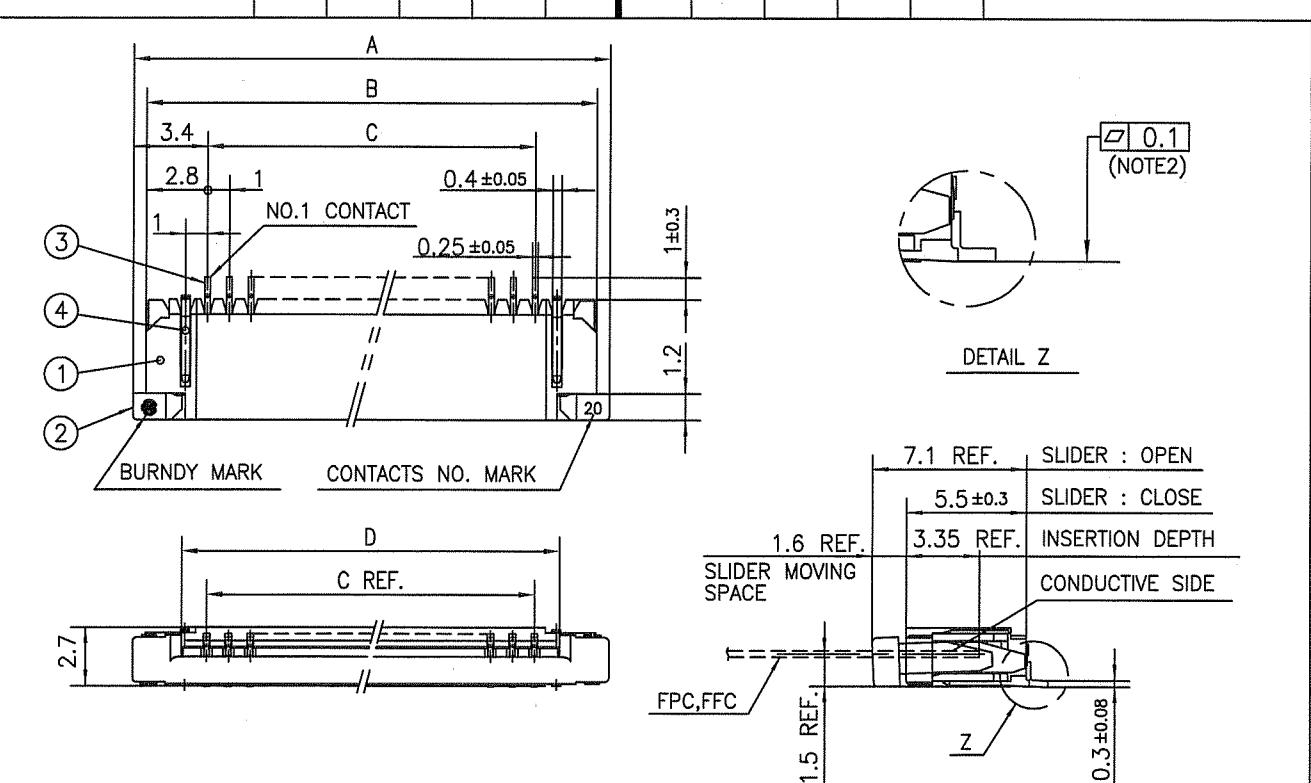
n : NO. OF CONTACTS

## 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.
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.

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)

mat'l. code				surface 58	tolerance ISO 406	projection	product family 58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
A	J05-0243	H.T	4/20/05	angles ±0.2			1mm SPACING SMT CONNECTOR	
B	J05-0736	H.T	10/28/05	linear			(Cat. No. SFW_R-1STG_LF)	
C	J06-0398	H.T	9/26/06					
D	J09-0358	M.Y	2009-10-5	dr	YAMASHITA	2009-10-5	dwg no	
				engr	YAMASHITA	2009-10-5	sheet 1 of 1	
				chr	S. Weller	2009-10-6	size	
				appd	S. Anderson	2009-10-6	JSA 96366	
sheet		revision	D				type	
index		sheet	1				Product Customer Drawing	

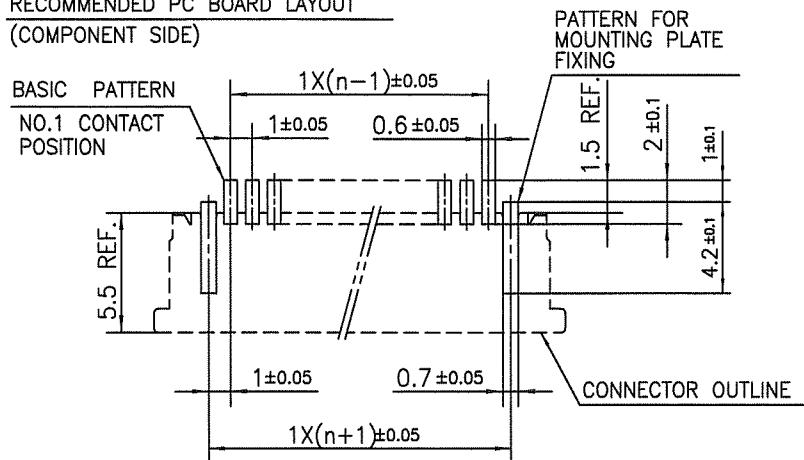


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD
4	MOUNTING PLATE		2	PLATING : IN

n : NO. OF CONTACTS

## 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.
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.

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)

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 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STG__LF)		
A	J05-0243	H.T	4/20/05	angles	linear	±0.2					
B	J05-0736	H.T	10/28/05				scale X	dwg no JSA 96367			
C	J06-0398	H.T	9/26/06								
D	J09-0358	M.Y	2009-10-5	dr	HYAMASHITA	2009-10-5					
				engr	HYAMASHITA	2009-10-5					
				chr	S. Watanabe	2009-10-6		size A4			
				appd	S. Andrian	2009-10-6					
sheet		revision	D					type Product Customer Drawing			
index	sheet		1								

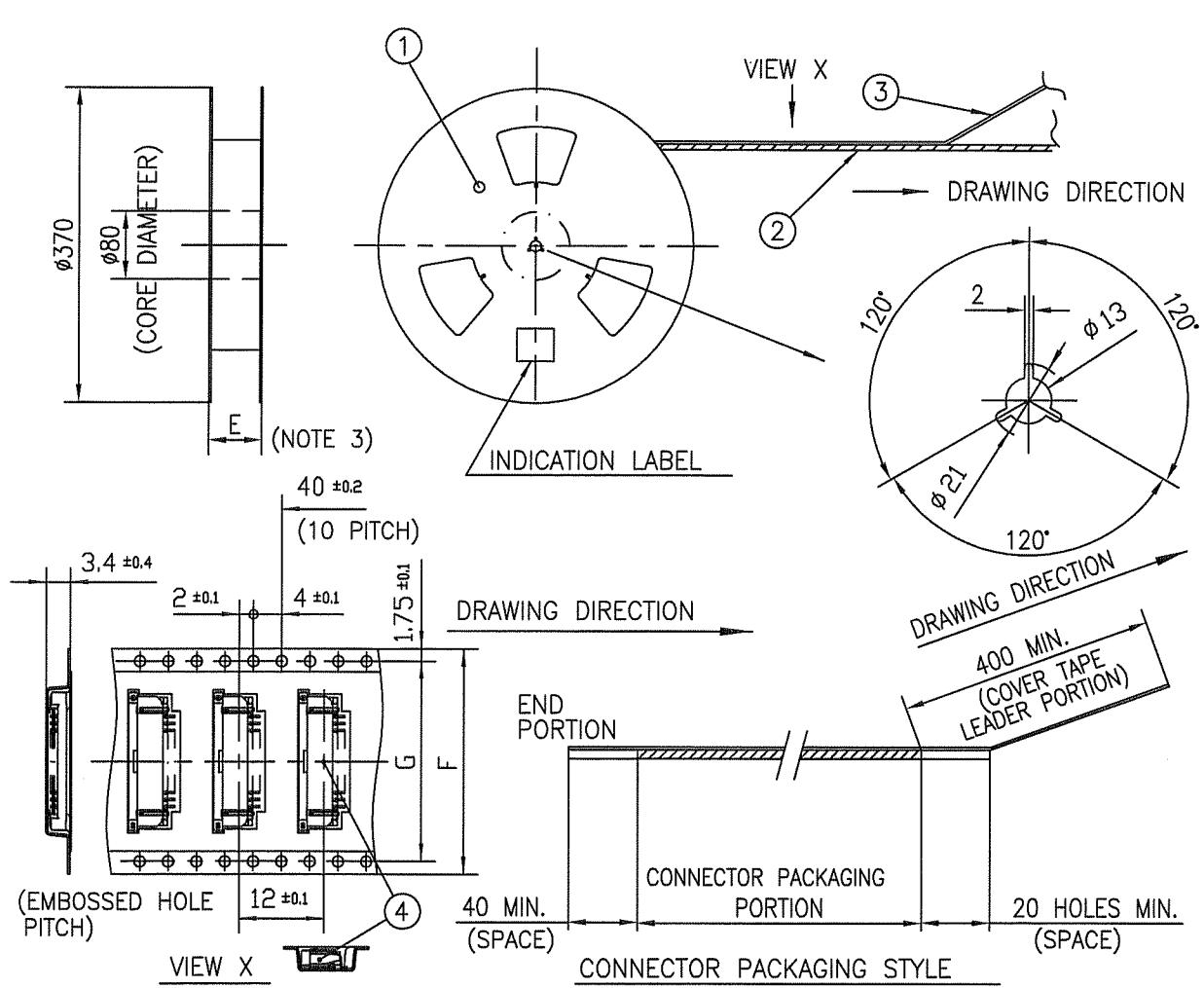
## CAT. NO. &amp; DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-1/2STGE1LF	20.4	16	—
5	SFW5R-1/2STGE1LF	28.4	24	—
6	SFW6R-1/2STGE1LF	28.4	24	—
7	SFW7R-1/2STGE1LF	28.4	24	—
8	SFW8R-1/2STGE1LF	28.4	24	—
9	SFW9R-1/2STGE1LF	28.4	24	—
10	SFW10R-1/2STGE1LF	28.4	24	—
11	SFW11R-1/2STGE1LF	28.4	24	—
12	SFW12R-1/2STGE1LF	28.4	24	—
13	SFW13R-1/2STGE1LF	36.4	32	28.4
14	SFW14R-1/2STGE1LF	36.4	32	28.4
15	SFW15R-1/2STGE1LF	36.4	32	28.4
16	SFW16R-1/2STGE1LF	36.4	32	28.4
17	SFW17R-1/2STGE1LF	48.4	44	40.4
18	SFW18R-1/2STGE1LF	48.4	44	40.4
19	SFW19R-1/2STGE1LF	48.4	44	40.4
20	SFW20R-1/2STGE1LF	48.4	44	40.4
21	SFW21R-1/2STGE1LF	48.4	44	40.4
22	SFW22R-1/2STGE1LF	48.4	44	40.4
23	SFW23R-1/2STGE1LF	48.4	44	40.4
24	SFW24R-1/2STGE1LF	48.4	44	40.4
25	SFW25R-1/2STGE1LF	48.4	44	40.4
26	SFW26R-1/2STGE1LF	48.4	44	40.4
27	SFW27R-1/2STGE1LF	48.4	44	40.4
28	SFW28R-1/2STGE1LF	60.4	56	52.4
29	SFW29R-1/2STGE1LF	60.4	56	52.4
30	SFW30R-1/2STGE1LF	60.4	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			title CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STGE1LF)		
A	J05-0243	H.T	4/20/05		angles	Linear	mm			
B	J06-0398	H.T	9/26/06				scale			
C	J09-0358	M.Y	2009-10-5					dwg no sheet 1 of 1 size JSA 96368 A4		
			dr <i>YAMASHITA</i> 2009-10-5							
			engr <i>YAMASHITA</i> 2009-10-5					type Product Customer Drawing		
			chr <i>S. Yamada</i> 2009-10-6							
			appd <i>S. Yamada</i> 2009-10-6							Rev. C
sheet	revision	C								
index	sheet	1								

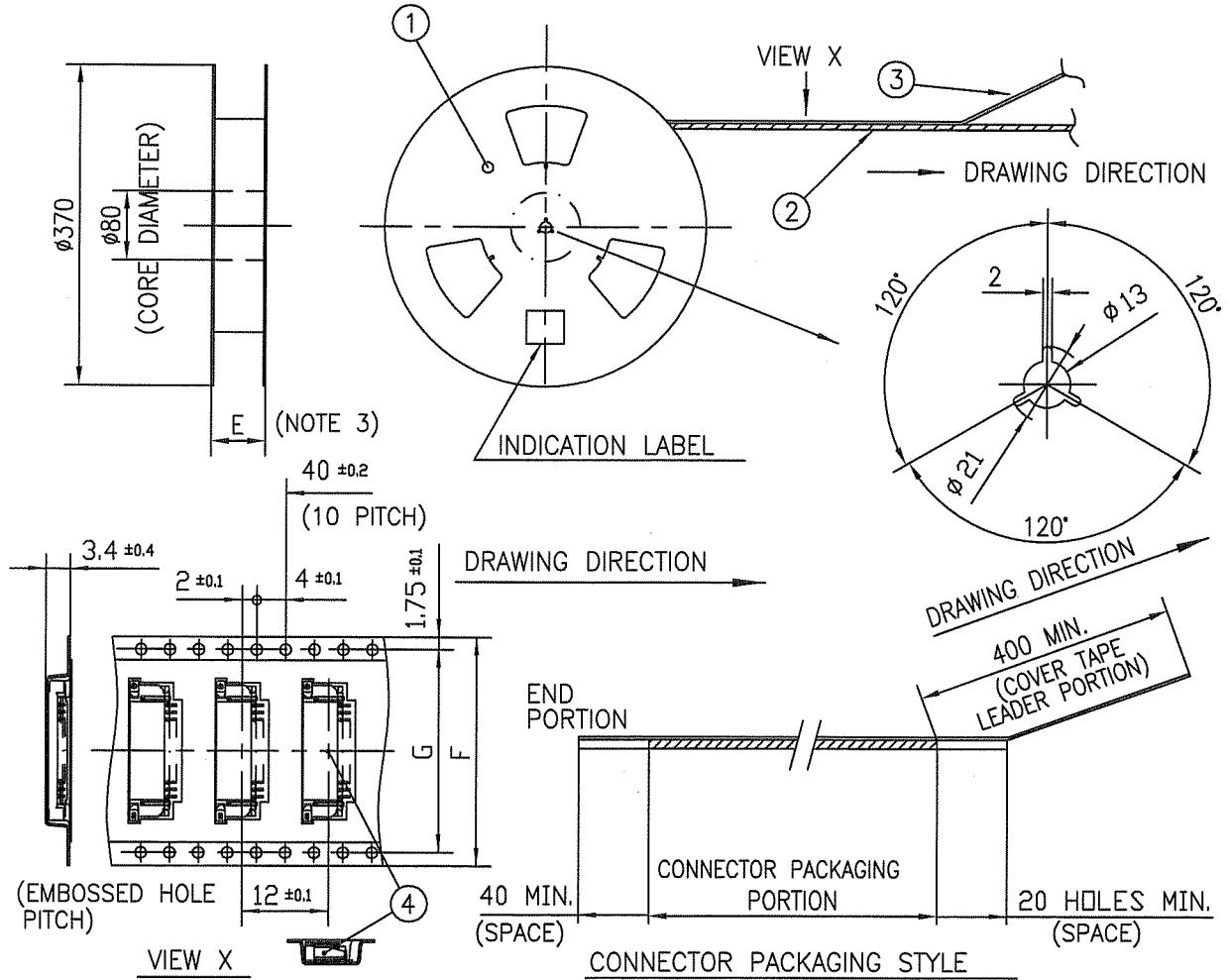


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	—	PET	—	COLOR:TRANSPARENCY
3	COVER	—	POLYESTER	—	COLOR:TRANSPARENCY
4	CONNECTOR	SFW_R-1STG_LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

## 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.

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		
A	J05-0243	H.T	4/20/05	angles	Linear	±5	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-1STGE1LF)		
B	J06-0398	H.T	9/26/06						
C	J09-0358	M.Y	2009-10-5	±5°					
				dr	H.YAMAMITA	2009-10-5	dwg no	sheet 1 of 1	
				engr	H.YAMAMITA	2009-10-5		size	
				chr	S. W. K. K.	2009-10-6	JSA 96369	A4	
				appd	S. Oudama	2009-10-6	type	Product Customer Drawing	
sheet	revision	C							Rev.
index	sheet	1							C



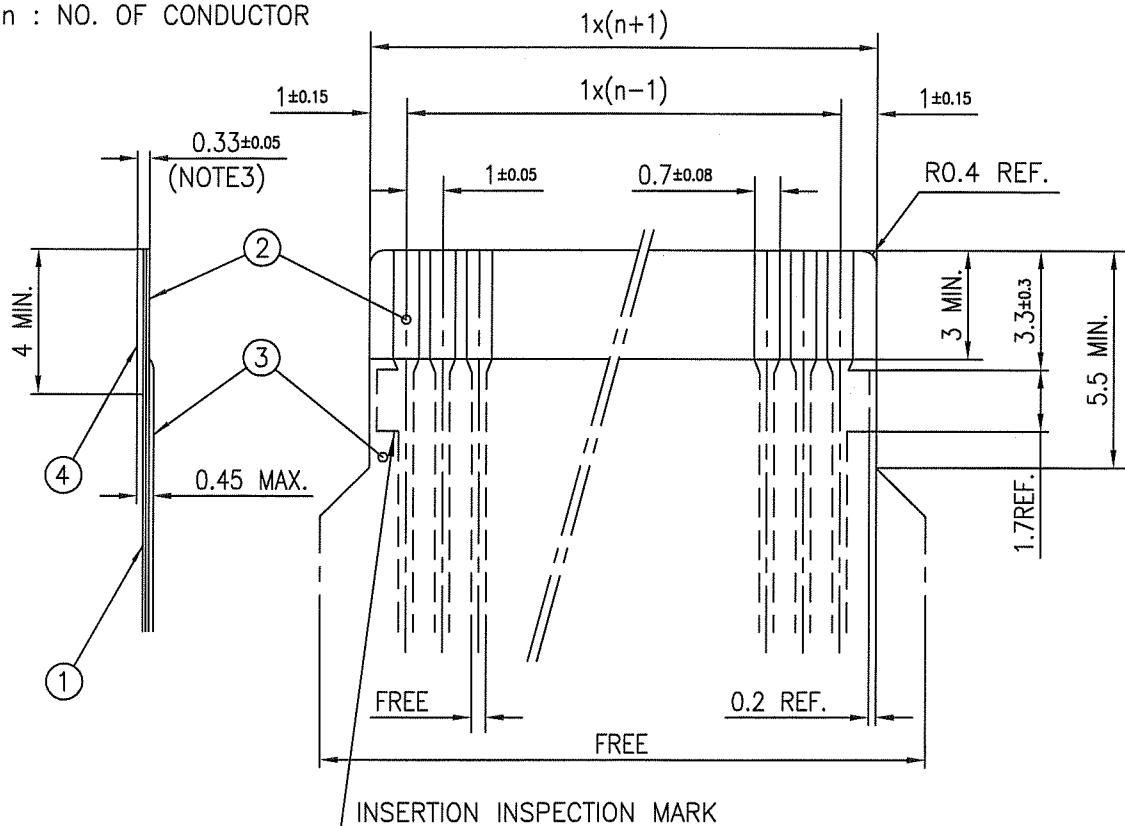
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW_R-2STG_LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

## 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.

## RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL (PLATING : NI UNDER PLATING GOLD 0.5μm 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 58	tolerance ISO 406	projection	product family 58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			
A	J05-0243	H.T	4/22/05	angles	mm		
B	J06-0398	H.T	9/26/06	Linear			
C	J09-0358	M.Y	2009-10-5		scale X		
			dr M.YAHASMTA	2009-10-5			
			engr M.YAHASMTA	2009-10-5			
			chr S. Miller	2009-10-6			
			appd S. Adams	2009-10-6			
sheet		revision C					Rev. C
index		sheet 1					