

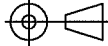


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## List of "SFW\_\_R-1/2STZE1LF" customer document

DOCUMENT NO.	LIST
SC-SFW10	SPEC.
JSA97256	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-1/2STZ__LF)
JSA97257	1mm SPACING SMT CONNECTOR (SFW__R-1STZ__LF)
JSA97258	1mm SPACING SMT CONNECTOR (SFW__R-2STZ__LF)
JSA97259	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1/2STZE1LF)
JSA97260	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1STZE1LF)
JSA97261	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-2STZE1LF)
JSA91605	RECOMMENDED CABLE (FPC) (SFW__R-1/2ST__)
JSA91604	RECOMMENDED CABLE (FFC) (SFW__R-1/2ST__)

mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/> tolerance ISO 406 ISO 1101		projection 		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title 1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST (Cat. No. : SFW__R-1/2STZE1LF)			
A	J07-0086	H.T	2/5/'07	angles	linear	scale $\propto$		dwg no JSA 97255			
				dr	2/5/07	FCI		sheet 1 of 1 size A4			
				enr	2/5/07			type Product Customer Drawing			
				chr	2/7/07						
				appd	2/7/07						
sheet index	revision sheet	A	1								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-1/2STZ__LF	9.8	8.6	3.0	5.3
5	SFW5R-1/2STZ__LF	10.8	9.6	4.0	6.3
6	SFW6R-1/2STZ__LF	11.8	10.6	5.0	7.3
7	SFW7R-1/2STZ__LF	12.8	11.6	6.0	8.3
8	SFW8R-1/2STZ__LF	13.8	12.6	7.0	9.3
9	SFW9R-1/2STZ__LF	14.8	13.6	8.0	10.3
10	SFW10R-1/2STZ__LF	15.8	14.6	9.0	11.3
11	SFW11R-1/2STZ__LF	16.8	15.6	10.0	12.3
12	SFW12R-1/2STZ__LF	17.8	16.6	11.0	13.3
13	SFW13R-1/2STZ__LF	18.8	17.6	12.0	14.3
14	SFW14R-1/2STZ__LF	19.8	18.6	13.0	15.3
15	SFW15R-1/2STZ__LF	20.8	19.6	14.0	16.3
16	SFW16R-1/2STZ__LF	21.8	20.6	15.0	17.3
17	SFW17R-1/2STZ__LF	22.8	21.6	16.0	18.3
18	SFW18R-1/2STZ__LF	23.8	22.6	17.0	19.3
19	SFW19R-1/2STZ__LF	24.8	23.6	18.0	20.3
20	SFW20R-1/2STZ__LF	25.8	24.6	19.0	21.3
21	SFW21R-1/2STZ__LF	26.8	25.6	20.0	22.3
22	SFW22R-1/2STZ__LF	27.8	26.6	21.0	23.3
23	SFW23R-1/2STZ__LF	28.8	27.6	22.0	24.3
24	SFW24R-1/2STZ__LF	29.8	28.6	23.0	25.3
25	SFW25R-1/2STZ__LF	30.8	29.6	24.0	26.3
26	SFW26R-1/2STZ__LF	31.8	30.6	25.0	27.3
27	SFW27R-1/2STZ__LF	32.8	31.6	26.0	28.3
28	SFW28R-1/2STZ__LF	33.8	32.6	27.0	29.3
29	SFW29R-1/2STZ__LF	34.8	33.6	28.0	30.3
30	SFW30R-1/2STZ__LF	35.8	34.6	29.0	31.3

CAT. NO.

SFW (n) R - 1 ST Z \_\_ 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)

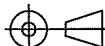
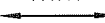
VARIATION

PACKAGE STYLE

LEAD FREE

## NOTES

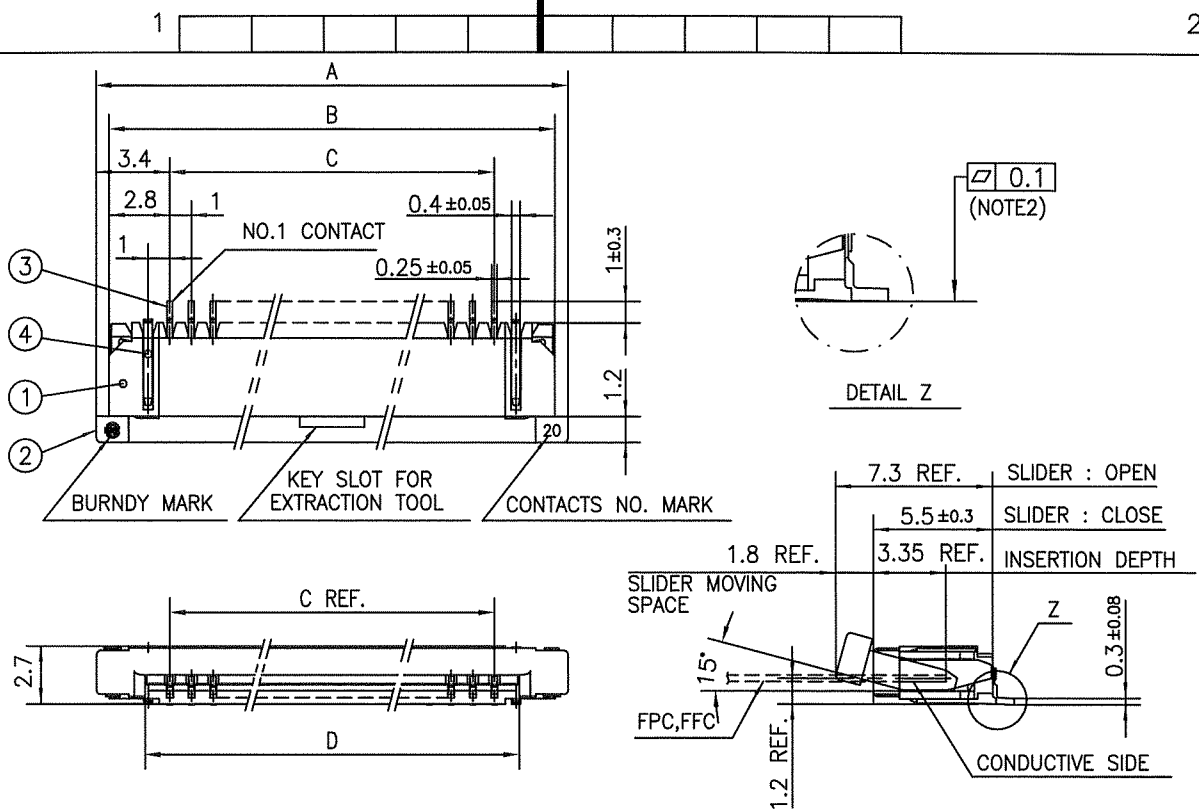
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

mat'l. code				surface <input checked="" type="checkbox"/> ISO 1302 <input checked="" type="checkbox"/> tolerance <input checked="" type="checkbox"/> ISO 406 <input checked="" type="checkbox"/> ISO 1101		projection 		product family 58RF		CODE JP		
litr	ecn no	dr	date	tolerances unless otherwise specified				title				
A	J07-0086	H.T	2/5/07	angles	linear	mm		CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STZ__LF)				
						scale $\times$		dwg no sheet 1 of 1 size				
				dr	engr	chr	appd	JSA 97256		A4		
sheet index				revision	A			type Product Customer Drawing				
sheet				1					Rev A			

SC-SFW10 JSA97257 97258 97259 97260 97261 91605 91604  
form: A4

1

2



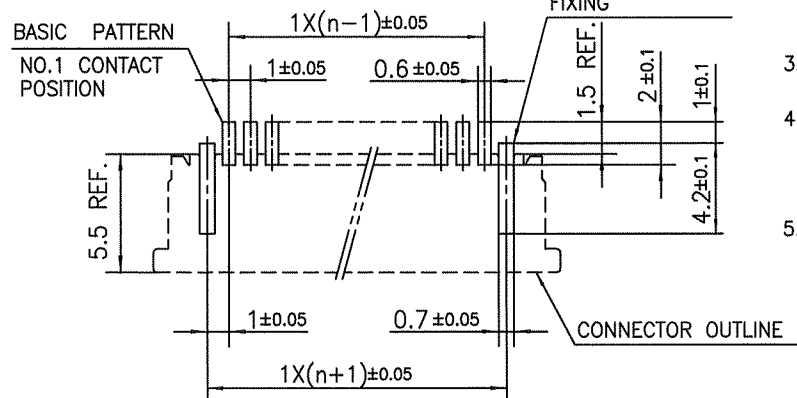
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : THIN TIN
4	MOUNTING PLATE		2	PLATING : TIN

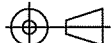


n : NO. OF CONTACTS

#### NOTES

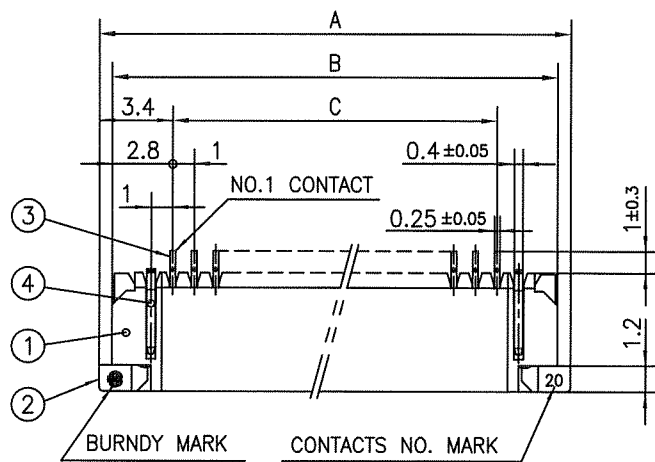
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY 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)

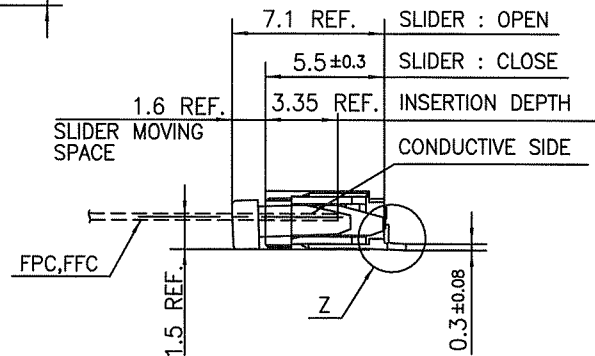
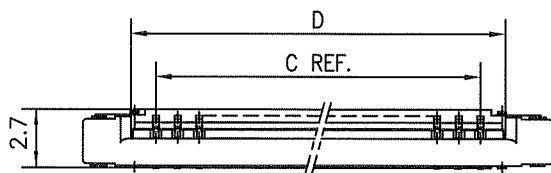


mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58RF				CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified							title 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STZ__LF)					
A	J07-0086	H.T	2/5/07	angles	linear	±0.2										
									scale $\times$	dwg no JSA 97257						
				dr	<i>K. Shougi</i>		<i>2/5/07</i>									
				enrg	<i>K. Shougi</i>		<i>2/5/07</i>									
				chr	<i>K. Shougi</i>		<i>2/7/07</i>									
				appd	<i>S. Madan</i>		<i>2/7/07</i>									
sheet index		revision		A											Rev. A	
		sheet		1												

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form: A4



DETAIL Z

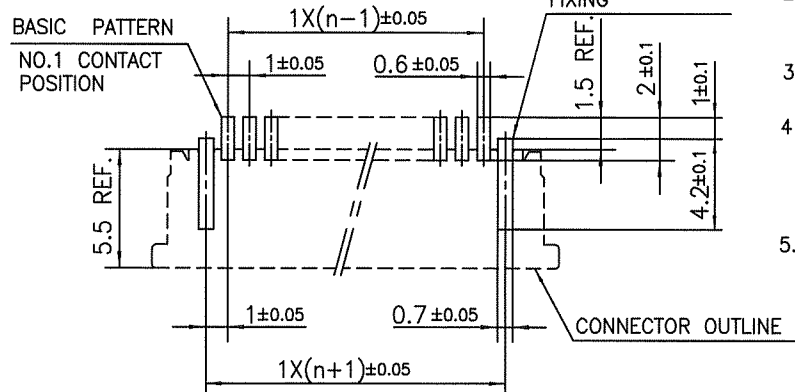


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : THIN TIN
4	MOUNTING PLATE		2	PLATING : TIN

n : NO. OF CONTACTS

## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC 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 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	tolerance	projection	product family	CODE
				ISO 1302	ISO 406	mm	58RF	JP
				tolerances unless otherwise specified			title	
ltr	ecn no	dr	date	angles	linear	mm	1mm SPACING SMT CONNECTOR	
A	J07-0086	H.T	2/5/07				(Cat. No. SFW__R-2STZ__LF)	
				dr	engr	chr	dwg no	sheet 1 of 1
							JSA 97258	size
				appd			type Product Customer Drawing	
sheet index	revision	A	1					Rev. A

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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-1/2STZE1LF	20.4	16	—
5	SFW5R-1/2STZE1LF	28.4	24	—
6	SFW6R-1/2STZE1LF	28.4	24	—
7	SFW7R-1/2STZE1LF	28.4	24	—
8	SFW8R-1/2STZE1LF	28.4	24	—
9	SFW9R-1/2STZE1LF	28.4	24	—
10	SFW10R-1/2STZE1LF	28.4	24	—
11	SFW11R-1/2STZE1LF	28.4	24	—
12	SFW12R-1/2STZE1LF	28.4	24	—
13	SFW13R-1/2STZE1LF	36.4	32	28.4
14	SFW14R-1/2STZE1LF	36.4	32	28.4
15	SFW15R-1/2STZE1LF	36.4	32	28.4
16	SFW16R-1/2STZE1LF	36.4	32	28.4
17	SFW17R-1/2STZE1LF	48.4	44	40.4
18	SFW18R-1/2STZE1LF	48.4	44	40.4
19	SFW19R-1/2STZE1LF	48.4	44	40.4
20	SFW20R-1/2STZE1LF	48.4	44	40.4
21	SFW21R-1/2STZE1LF	48.4	44	40.4
22	SFW22R-1/2STZE1LF	48.4	44	40.4
23	SFW23R-1/2STZE1LF	48.4	44	40.4
24	SFW24R-1/2STZE1LF	48.4	44	40.4
25	SFW25R-1/2STZE1LF	48.4	44	40.4
26	SFW26R-1/2STZE1LF	48.4	44	40.4
27	SFW27R-1/2STZE1LF	48.4	44	40.4
28	SFW28R-1/2STZE1LF	60.4	56	52.4
29	SFW29R-1/2STZE1LF	60.4	56	52.4
30	SFW30R-1/2STZE1LF	60.4	56	52.4

CAT. NO.

SFW (n) R - 1 ST Z E1 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)

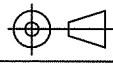
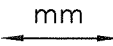

VARIATION

TAPE PACKAGING

LEAD FREE

## NOTES

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

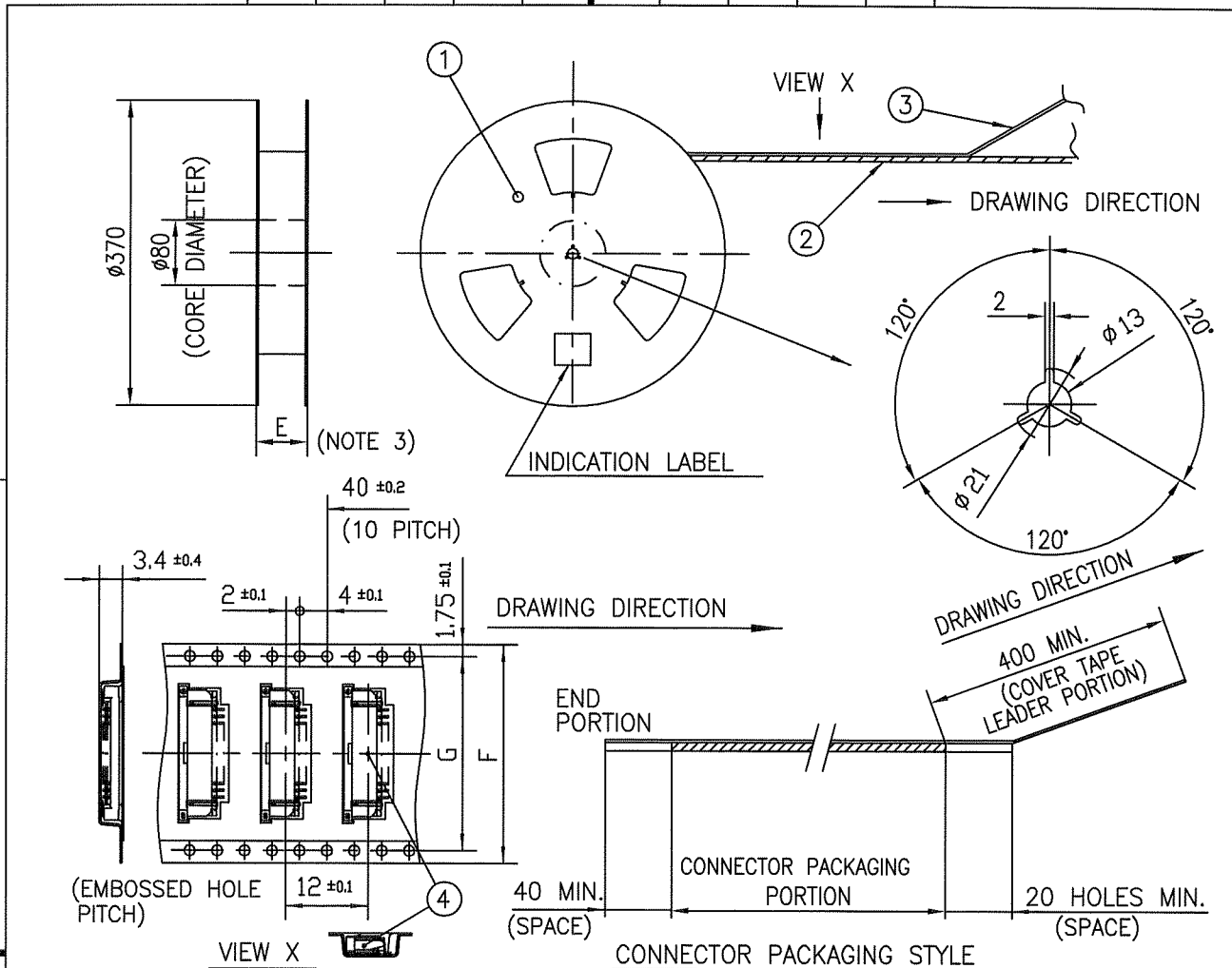
mat'l. code				surface <input checked="" type="checkbox"/> ISO 1302 <input checked="" type="checkbox"/> tolerance <input checked="" type="checkbox"/> ISO 406 <input checked="" type="checkbox"/> ISO 1101		projection 		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm 		title CAT. NO. TABLE FOR PLASTICTAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STZE1LF)			
A	J07-0086	H.T	2/5/07	angles	linear						
				dr	<i>[Signature]</i> 2/5/07			dwg no		sheet 1 of 1	size
				enrg	<i>[Signature]</i> 2/5/07			JSA 97259		A4	
				chr	<i>[Signature]</i> 2/7/07			type Product Customer Drawing			
				appd	<i>[Signature]</i> 2/7/07						
sheet index	revision	A									Rev. A

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1

2





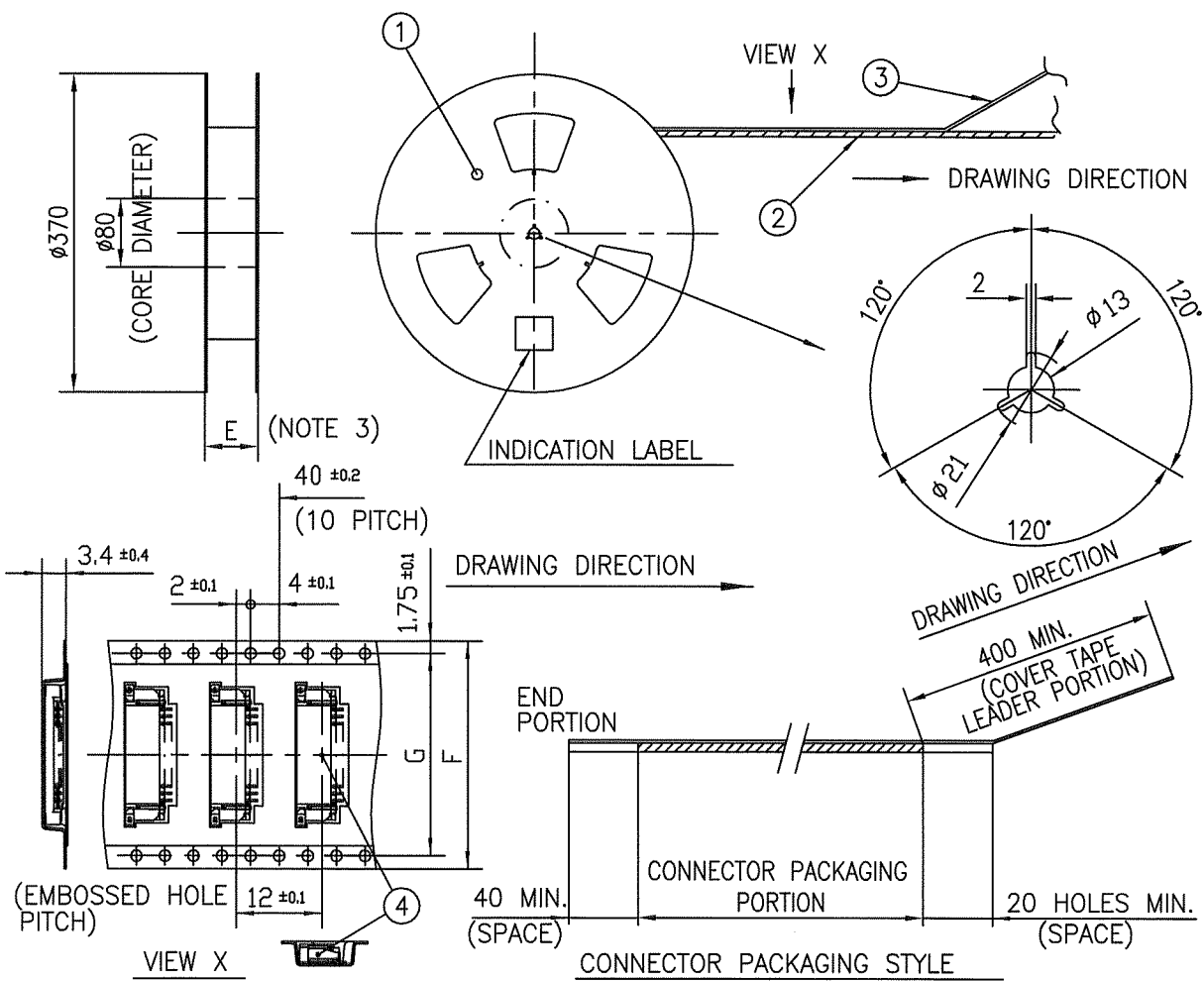
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-1STZ__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC 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 <input checked="" type="checkbox"/> ISO 1302 <input checked="" type="checkbox"/> tolerance <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 PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STZE1LF)			
A	J07-0086	H.T	2/5/'07	angles	linear						
				±5'			scale	dwg no sheet 1 of 1 size JSA 97260 A4			
				dr	engr	chr	appd				
				<div style="display: flex; justify-content: space-between;"> <span>2/5/07</span> <span>2/5/07</span> <span>2/7/07</span> <span>2/7/07</span> </div>							
sheet index	revision	A	1					type Product Customer Drawing			

SC\_SFW10 form: A4 JSA97259



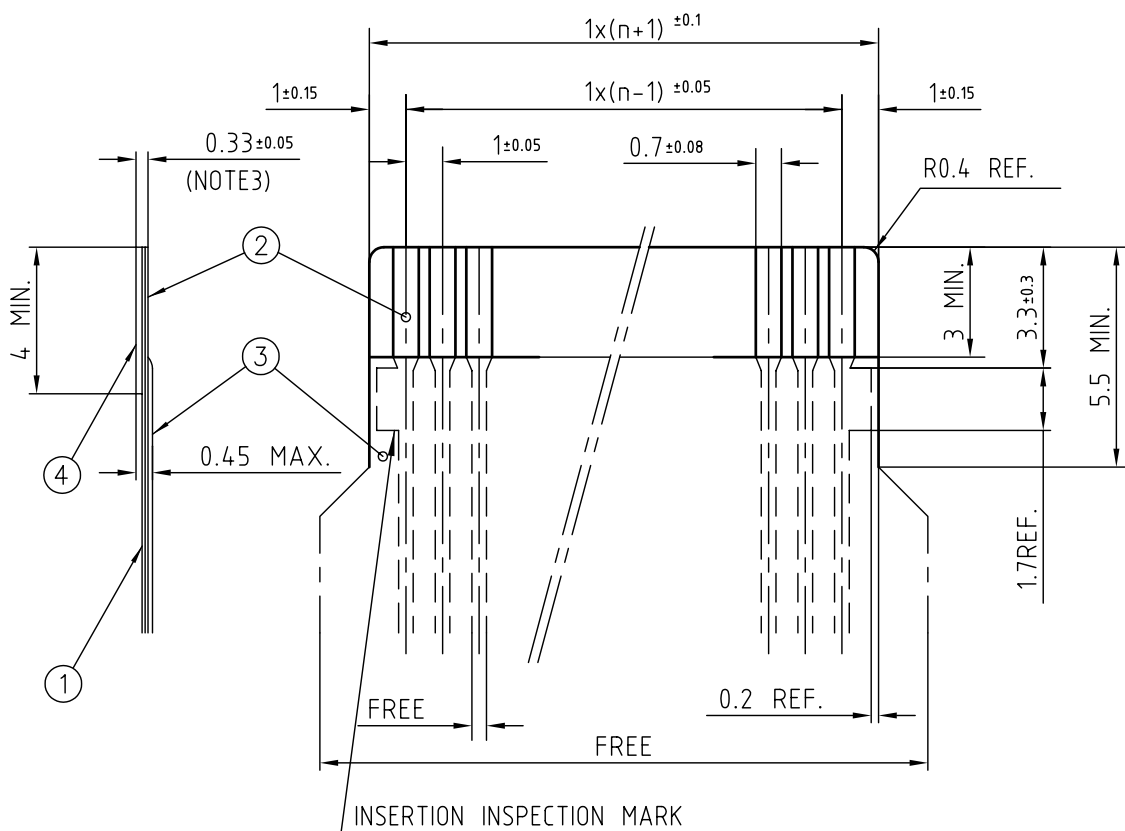
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-2STZ__LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

- NOTES
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC 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 mm		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		mm		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STZE1LF)			
A	J07-0086	H.T	2/5/07	angles	linear	±5		mm		dwg no JSA 97261			
				±5°				scale		sheet 1 of 1 size A4			
				dr	engr	chr	appd	FCI		type Product Customer Drawing			
				2/5/07	2/5/07	2/7/07	2/7/07						
sheet index	revision	A	1							Rev. A			


## RECOMMENDED CABLE (FPC)

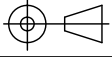
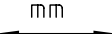
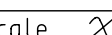
n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING:SOLDER 1μm MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

## NOTES

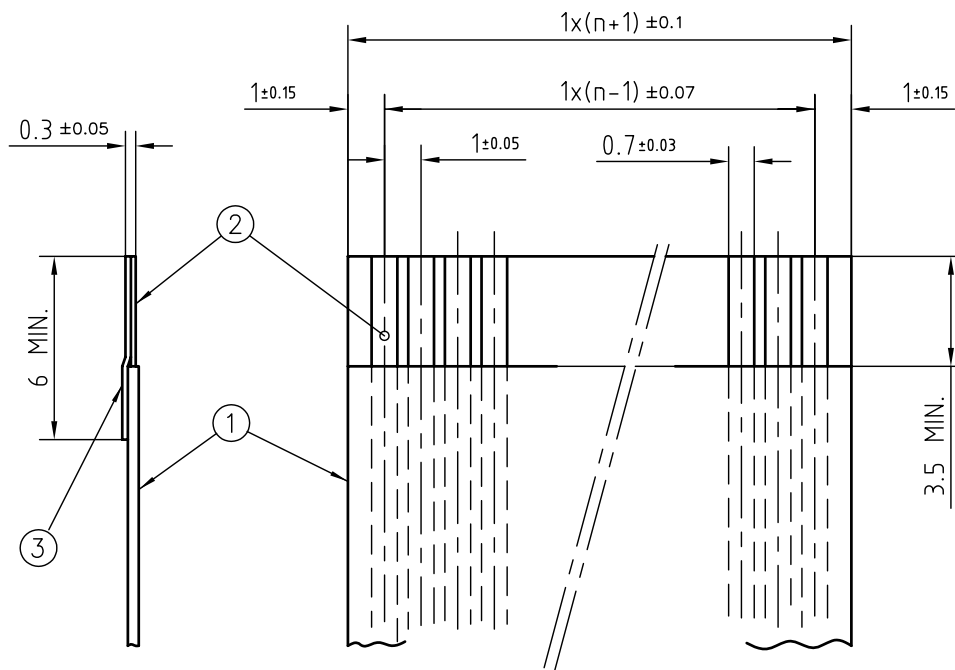
1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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			
AA	J05-0055	H.T	05-02-04	angles		linear		mm		RECOMMENDED CABLE (Cat. No. SFW__R-1/2__)			
AB	J06-0398	H.T	06-09-26					scale 					
AC	S08-0276	DGOH	08-08-22										
				dr	H. TAKAKURA		06-09-26		dwg no		sheet 1 of 1		size
				enr	H. TAKAKURA		06-09-26		JSA 91605				A4
				chr	DENNIS GOH		08-08-22		type		Product Customer Drawing		
				appd	JOEY NG		08-08-22						
sheet index		revision sheet		AC									Rev. AC




# RECOMMENDED CABLE (FFC)

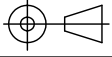
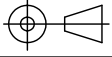

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	_____
2	CONDUCTOR	COPPER FOIL	PLATING:TIN OR SOLDER 1um MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL	_____

## NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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 RECOMMENDED CABLE (Cat. No. SFW__R-1/2__)	
AA	J05-0055	H.T	05-02-04	angles	linear			
AB	J06-0398	H.T	06-09-26			mm	dwg no sheet 1 of 1 size	
AC	S08-0276	DGOH	08-08-22			scale 		
				dr	H. TAKAKURA	06-09-26	JSA 91604	
				enr	H. TAKAKURA	06-09-26		
				chr	DENNIS GOH	08-08-22	type Product Customer Drawing	
				appd	JOEY NG	08-08-22		
sheet index	revision sheet	AC	1					Rev. AC