



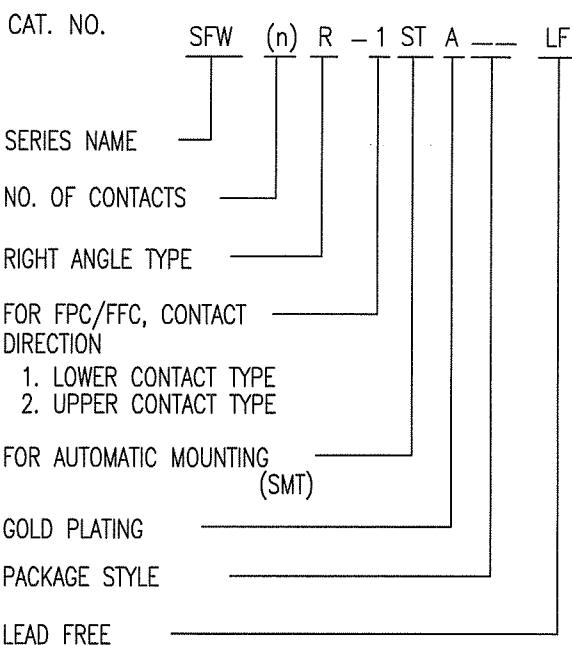
List of "SFW_R-1/2STAE1LF" customer document

DOCUMENT NO.		LIST	
SC-SFW14		SPEC.	
JSA95886		CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW_R-1/2STA_LF)	
JSA95887		1mm SPACING SMT CONNECTOR (SFW_R-1STA_LF)	
JSA96111		1mm SPACING SMT CONNECTOR (SFW_R-2STA_LF)	
JSA95888		CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW_R-1/2STAE1LF)	
JSA95889		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW_R-1STAE1LF)	
JSA96112		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW_R-2STAE1LF)	
JSA95890		RECOMMENDED CABLE (FPC) (SFW_R-1/2ST__)	
GS-20-129		HANDLING PROCEDURES	

mat'l. code				surface	58	tolerance	ISO 406	product family	58RF	CODE
ltr	ecn no	dr	date	tolerances unless otherwise specified				projection		
A	J05-0055	H.T	'05/2/4							
B	J06-0398	H.T	9/26/'06							
C	J09-0358	M.Y	2009-10-5							
D	J09-0380	M.Y	2009-10-27	dr	M.YAMASHITA	2009-10-27		mm		
				engr	M.YAMASHITA	2009-10-27			title	
				chr	S.Nakai	2009-10-27			1mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFW_R-1/2STAE1LF)	
				appd	S.Nakai	2009-10-27		scale		
sheet		revision	D						dwg no	
index		sheet	1						sheet 1 of 1	
									size	
									A4	
									type	
									Product Customer Drawing	
									Rev.	
									D	

CAT. NO. & DIMENSIONS

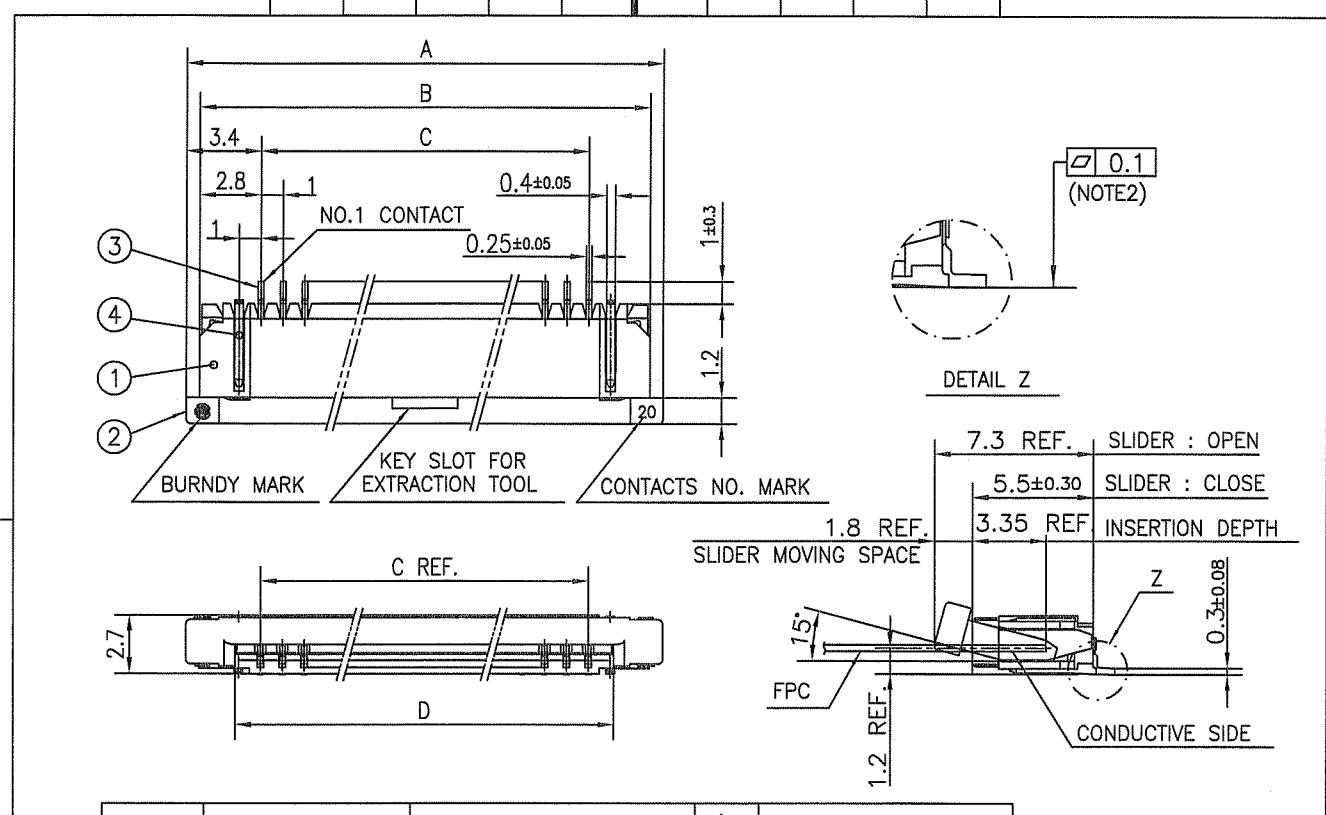
NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.2	D ± 0.1
4	SFW4R-1/2STA_LF	9.8	8.6	3.0	5.3
5	SFW5R-1/2STA_LF	10.8	9.6	4.0	6.3
6	SFW6R-1/2STA_LF	11.8	10.6	5.0	7.3
7	SFW7R-1/2STA_LF	12.8	11.6	6.0	8.3
8	SFW8R-1/2STA_LF	13.8	12.6	7.0	9.3
9	SFW9R-1/2STA_LF	14.8	13.6	8.0	10.3
10	SFW10R-1/2STA_LF	15.8	14.6	9.0	11.3
11	SFW11R-1/2STA_LF	16.8	15.6	10.0	12.3
12	SFW12R-1/2STA_LF	17.8	16.6	11.0	13.3
13	SFW13R-1/2STA_LF	18.8	17.6	12.0	14.3
14	SFW14R-1/2STA_LF	19.8	18.6	13.0	15.3
15	SFW15R-1/2STA_LF	20.8	19.6	14.0	16.3
16	SFW16R-1/2STA_LF	21.8	20.6	15.0	17.3
17	SFW17R-1/2STA_LF	22.8	21.6	16.0	18.3
18	SFW18R-1/2STA_LF	23.8	22.6	17.0	19.3
19	SFW19R-1/2STA_LF	24.8	23.6	18.0	20.3
20	SFW20R-1/2STA_LF	25.8	24.6	19.0	21.3
21	SFW21R-1/2STA_LF	26.8	25.6	20.0	22.3
22	SFW22R-1/2STA_LF	27.8	26.6	21.0	23.3
23	SFW23R-1/2STA_LF	28.8	27.6	22.0	24.3
24	SFW24R-1/2STA_LF	29.8	28.6	23.0	25.3
25	SFW25R-1/2STA_LF	30.8	29.6	24.0	26.3
26	SFW26R-1/2STA_LF	31.8	30.6	25.0	27.3
27	SFW27R-1/2STA_LF	32.8	31.6	26.0	28.3
28	SFW28R-1/2STA_LF	33.8	32.6	27.0	29.3
29	SFW29R-1/2STA_LF	34.8	33.6	28.0	30.3
30	SFW30R-1/2STA_LF	35.8	34.6	29.0	31.3



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-1/2STA__LF)	
AA	J04-0413	H.T	11/16/04	angles	Linear				
AB	J05-0055	H.T	2/4/05				mm		
AC	J06-0398	H.T	9/26/06				scale X		
AD	J09-0358	M.Y	2009-10-5	dr	NYAMASHITA 2009-10-5		dwg no JSA 95886	sheet 1 of 1	size A4
				engr	NYAMASHITA 2009-10-5				
				chr	S. Yamashita 2009-10-6				
				appd	J. Ondani 2009-10-6				
sheet index	revision	AD							Rev. AD
sheet 1									



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	CONTACT AREA : GOLD TARMINAL AREA : TIN
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).

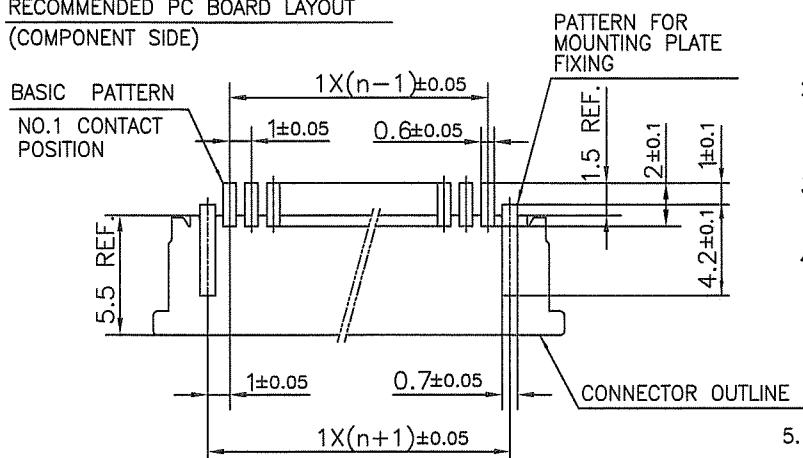
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.

3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.

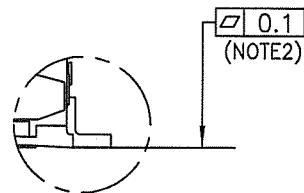
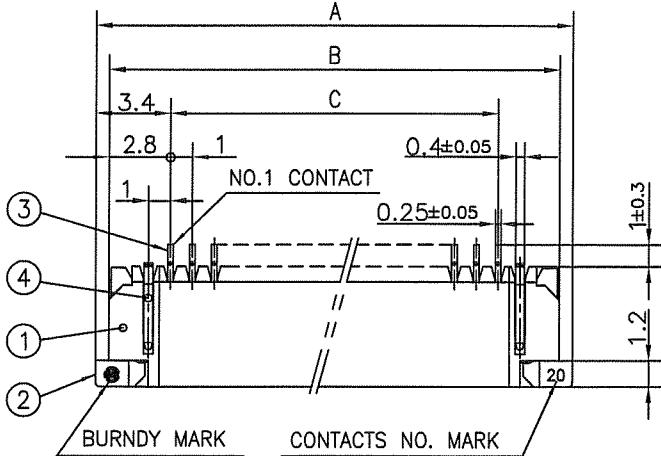
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER?COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008

5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

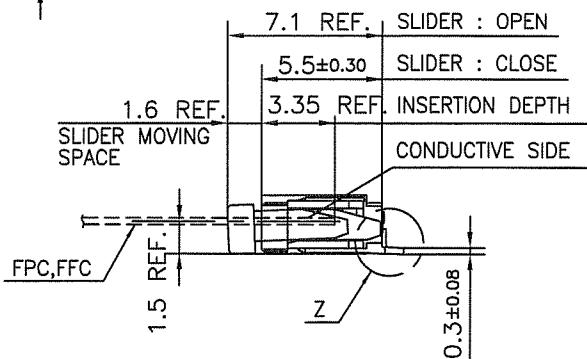
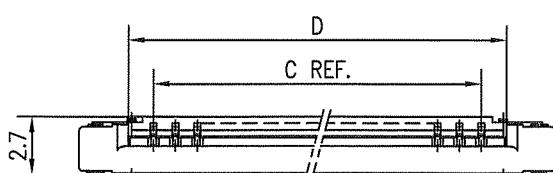
RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



mat'l. code				surface 58 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	
AA	J04-0329	H.T	9/27/04	angles	±0.2	mm		(Cat. No. SFW__R-1STA__LF)	
AB	J05-0055	H.T	2/4/05	Linear			dwg no	JSA 95887	
AC	J05-0736	H.T	10/28/05			scale X	size	A4	
AD	J06-0398	H.T	9/26/06	dr	M.YAHASITA 2009-10-5				
AE	J09-0358	M.Y	2009-10-5	engr	M.YAHASITA 2009-10-5				
				chr	S.N.T 2009-10-6				
				appd	J.Chudamani 2009-10-6				
sheet index	revision sheet	AE						Rev. AE	
		1							



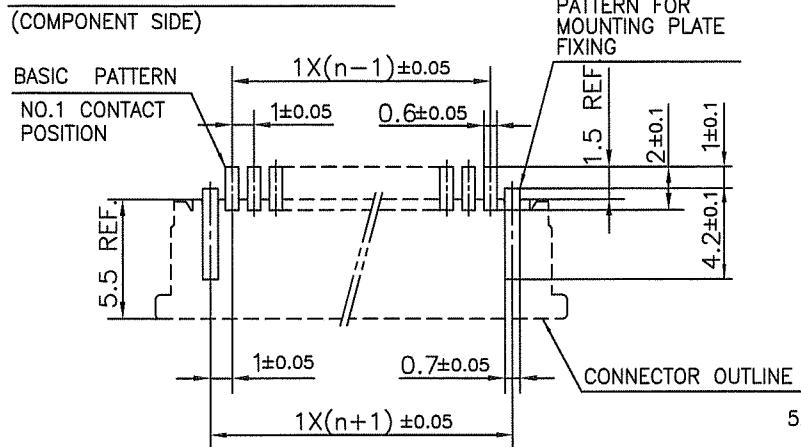
DETAIL Z



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	CONTACT AREA : GOLD TARMAL 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.
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 406	projection	product family 58RF	CODE JP			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title				
A	J04-0413	H.T	11/16/04	angles			1mm SPACING SMT CONNECTOR				
B	J05-0055	H.T	2/4/05	linear			(Cat. No. SFW__R-2STA__LF)				
C	J05-0736	H.T	10/28/05								
D	J06-0398	H.T	9/26/06	dr H.YAMASHITA 2009-10-5							
E	J09-0358	M.Y	2009-10-5	engr H.YAMASHITA 2009-10-5							
				chr S.M. 2009-10-6							
				appd J. Gladman 2009-10-6							
sheet index	revision	E									
SC_SFW14 form: A4				JSA95886							

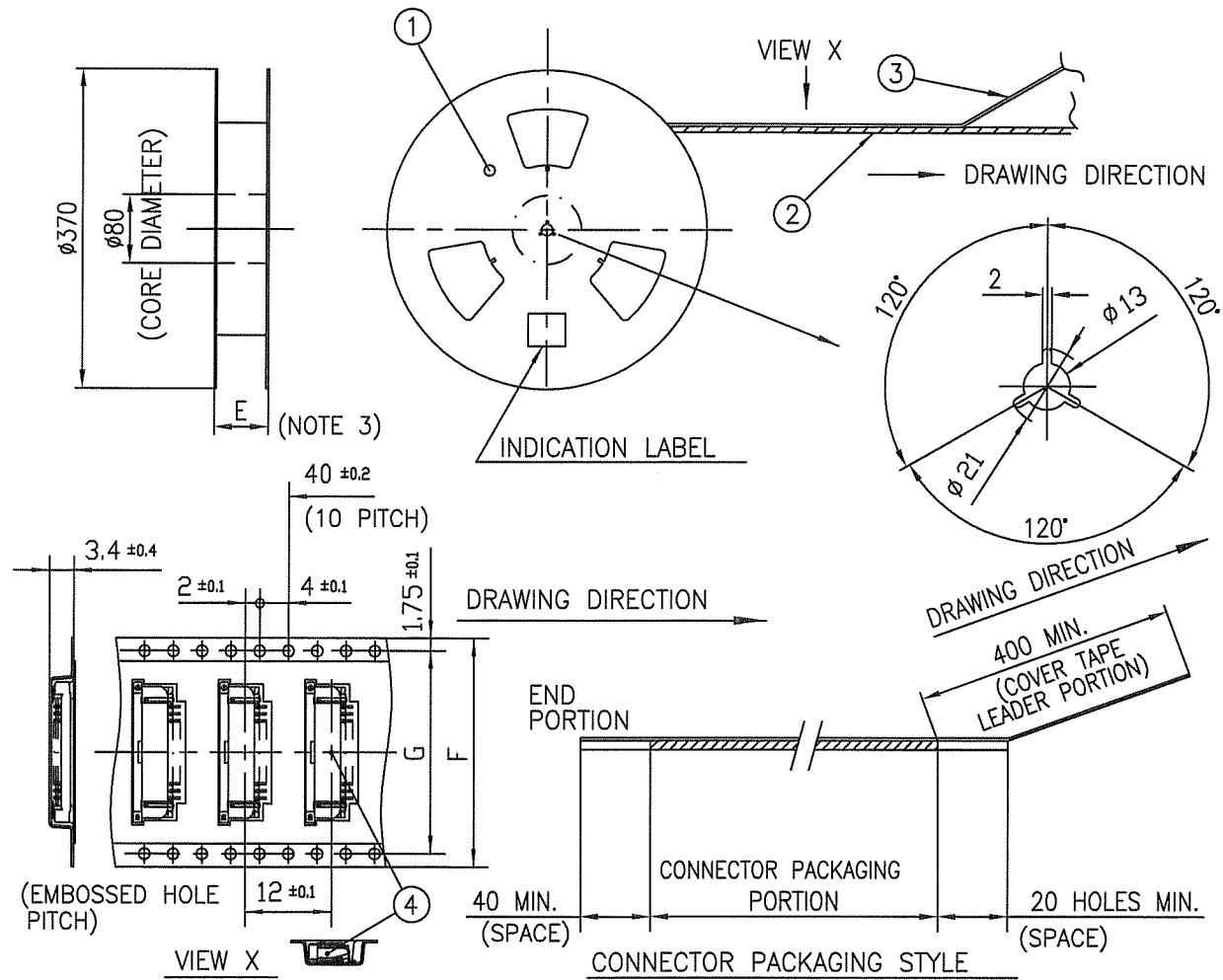
CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-1/2STAE1 LF	20.4	16	—
5	SFW5R-1/2STAE1 LF	28.4	24	—
6	SFW6R-1/2STAE1 LF	28.4	24	—
7	SFW7R-1/2STAE1 LF	28.4	24	—
8	SFW8R-1/2STAE1 LF	28.4	24	—
9	SFW9R-1/2STAE1 LF	28.4	24	—
10	SFW10R-1/2STAE1 LF	28.4	24	—
11	SFW11R-1/2STAE1 LF	28.4	24	—
12	SFW12R-1/2STAE1 LF	28.4	24	—
13	SFW13R-1/2STAE1 LF	36.4	32	28.4
14	SFW14R-1/2STAE1 LF	36.4	32	28.4
15	SFW15R-1/2STAE1 LF	36.4	32	28.4
16	SFW16R-1/2STAE1 LF	36.4	32	28.4
17	SFW17R-1/2STAE1 LF	48.4	44	40.4
18	SFW18R-1/2STAE1 LF	48.4	44	40.4
19	SFW19R-1/2STAE1 LF	48.4	44	40.4
20	SFW20R-1/2STAE1 LF	48.4	44	40.4
21	SFW21R-1/2STAE1 LF	48.4	44	40.4
22	SFW22R-1/2STAE1 LF	48.4	44	40.4
23	SFW23R-1/2STAE1 LF	48.4	44	40.4
24	SFW24R-1/2STAE1 LF	48.4	44	40.4
25	SFW25R-1/2STAE1 LF	48.4	44	40.4
26	SFW26R-1/2STAE1 LF	48.4	44	40.4
27	SFW27R-1/2STAE1 LF	48.4	44	40.4
28	SFW28R-1/2STAE1 LF	60.4	56	52.4
29	SFW29R-1/2STAE1 LF	60.4	56	52.4
30	SFW30R-1/2STAE1 LF	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					
AA	J04-0413	H.T	11/16/04	angles								
AB	J05-0055	H.T	2/4/05			mm	CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STAE1 LF)					
AC	J06-0398	H.T	9/26/06			scale	dwg no					
AD	J09-0358	M.Y	2009-10-5	dr	H.YAHARIZA	2009-10-5						
				engr	H.YAHARIZA	2009-10-5						
				chr	S. Nithi	2009-10-6						
				appd	S. Nithi	2009-10-6						
sheet index	revision	AD					size					
	sheet	1					A4					
type Product Customer Drawing												
Rev. AD												

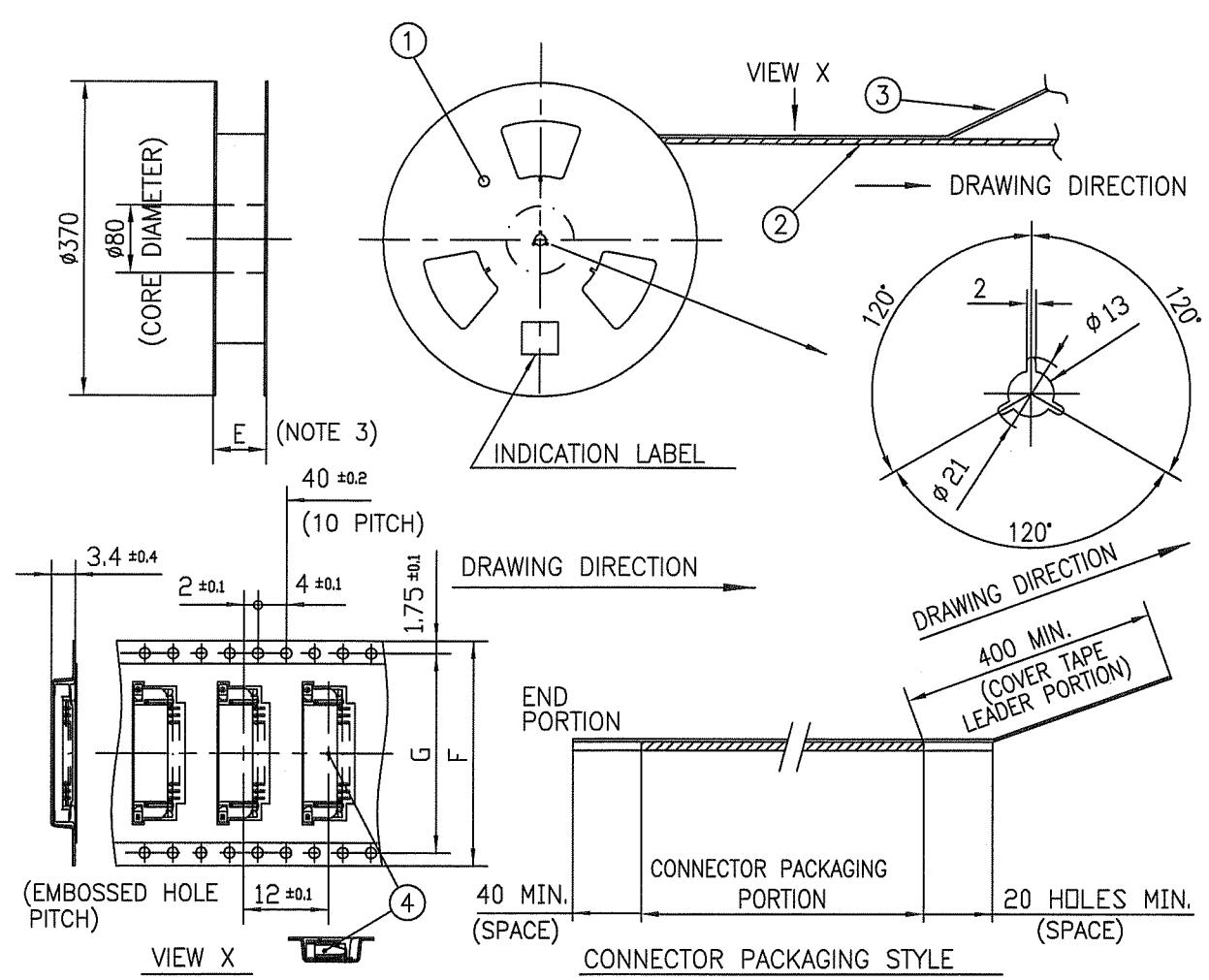


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	—	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	—	COLOR:TRANSPARENCY
4	CONNECTOR	SFW_R-1STA_LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

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		
AA	J05-0055	H.T	2/4/05	angles	linear	±5	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-1STA_LF)		
AB	J06-0398	H.T	9/26/06				mm		
AC	J09-0358	M.Y	2009-10-5	±5°			scale	dwg no	
				dr	M.YAMASHITA	2009-10-5	X	sheet 1 of 1	
				engr	M.YAMASHITA	2009-10-5		size	
				chr	S.WILSON	2009-10-6		JSA 95889	
				appd	S.Udason	2009-10-6		A4	
sheet	revision	AC							
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-2STA_LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

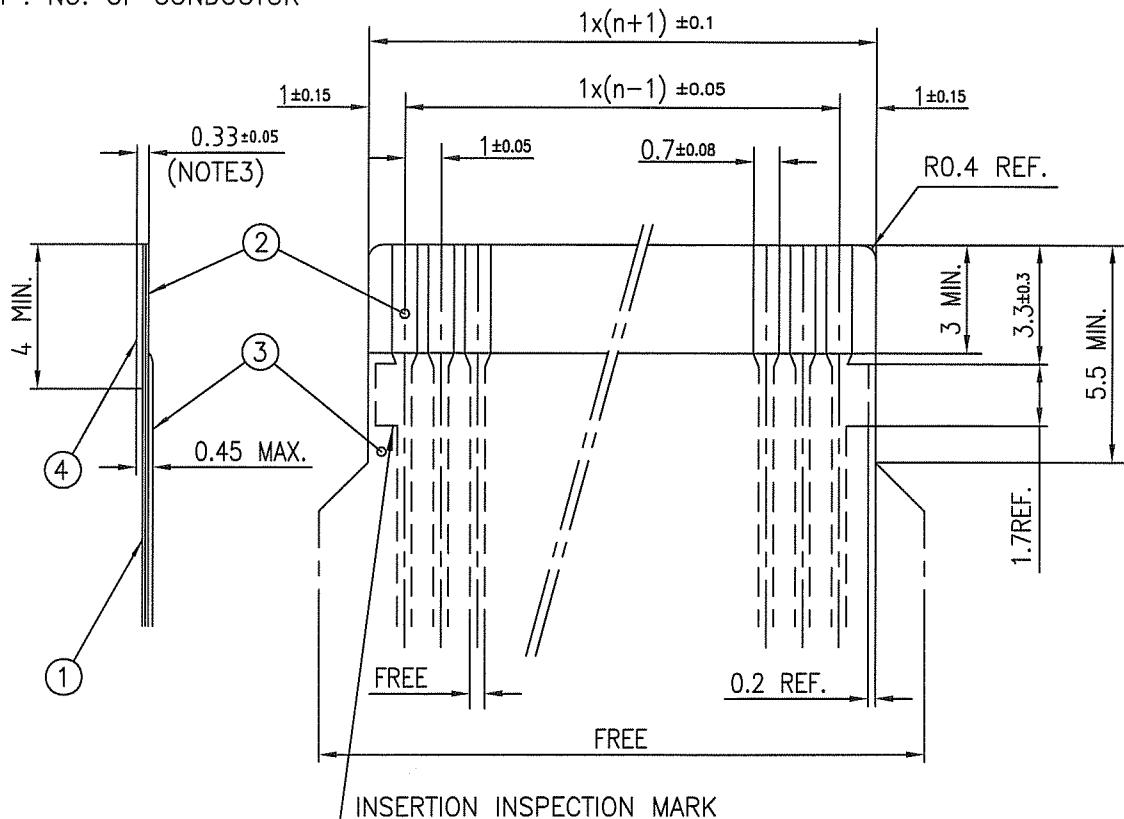
NOTES

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.

mat'l. code				surface	tolerance	projection	product family	58RF	CODE
Ltr	ecn no	dr	date	ISO 1302	✓	ISO 406 ISO 1101			JP
				tolerances unless otherwise specified					
A	J04-0413	H.T	11/16/04	angles	linear	±5	mm	title	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-2STA_LF)
B	J05-0055	H.T	2/4/05						
C	J06-0398	H.T	9/26/06	±5°			scale X		
D	J09-0358	M.Y	2009-10-5	dr	H.YAHASITA	2009-10-5			
				engr	H.YAHASITA	2009-10-5			
				chr	S.Kitahara	2009-10-6			
				appd	J.Ondawa	2009-10-6			
sheet	revision	D							
index	sheet	1							

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 0.5um 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			title	RECOMMENDED CABLE (Cat. No. SFW__R-1/2STA_)		
AA	J04-0413	H.T	11/16/04	angles						
AB	J06-0398	H.T	9/26/06							
AC	J09-0358	M.Y	2009-10-5	Linear			scale X			
				dr	YAHASHITA 2009-10-5					
				engr	YAHASHITA 2009-10-5					
				chr	S. Nithila 2009-10-6					
				appd	S. Chudani 2009-10-6					
sheet index		revision sheet	AC 1					Rev. AC		