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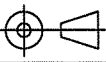
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List of "SFW__R-1/2STAE1LF" customer document

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 ISO 1302 58 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title			
A				J05-0055		H.T		'05/2/4		1mm SPACING FPC CONNECTOR DOCUMENT LIST			
B				J06-0398		H.T		9/26/'06		(Cat. No. : SFW__R-1/2STAE1LF)			
C				J09-0358		M.Y		2009-10-5					
D				J09-0380		M.Y		2009-10-27		dwg no		sheet 1 of 1 size	
										JSA96337		A4	
										type		Product Customer Drawing	
sheet index				revision sheet		D 1						Rev. D	

form: A4

1

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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

CAT. NO. SFW (n) R - 1 ST A __ 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

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

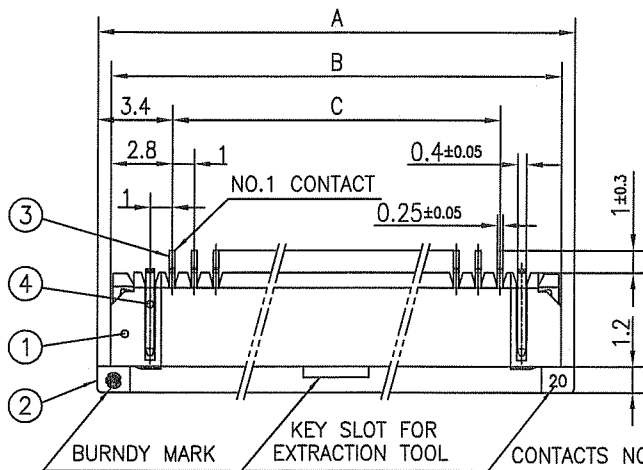
mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title		CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STA__LF)	
AA				J04-0413		H.T		11/16/04		angles		linear	
AB				J05-0055		H.T		2/4/05		mm			
AC				J06-0398		H.T		9/26/06		scale		X	
AD				J09-0358		M.Y		2009-10-5		dwg no		sheet 1 of 1 size	
										JSA 95886		A4	
										type		Product Customer Drawing	
sheet index				revision		AD						Rev. AD	
sheet				1									

SC-SFW14 JSA95887 96111 95888 95889 96112 95890

form: A4

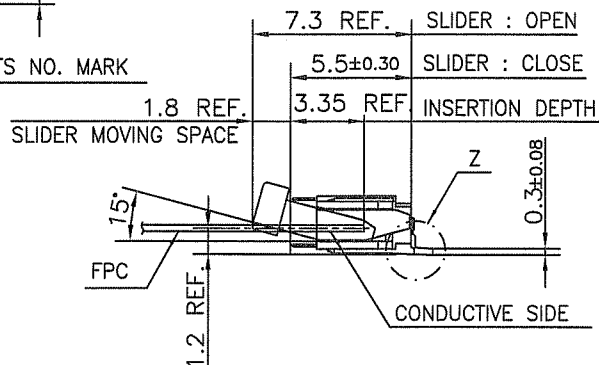
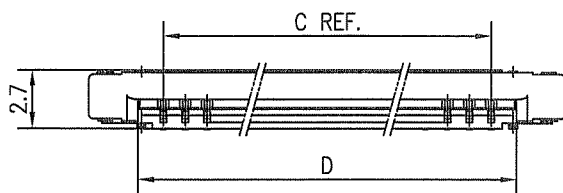
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0.1
(NOTE2)

DETAIL Z



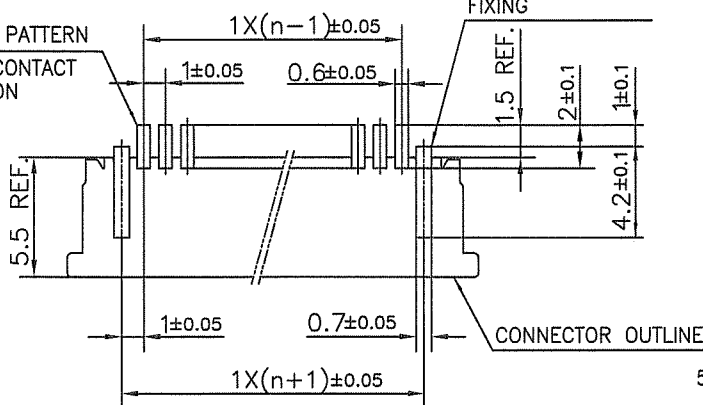
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	CONTACT AREA : GOLD TARMINAL AREA : TIN
4	MOUNTING PLATE		2	PLATING : TIN

n : NO. OF CONTACTS

NOTES

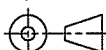
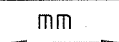
RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

BASIC PATTERN
NO.1 CONTACT
POSITION



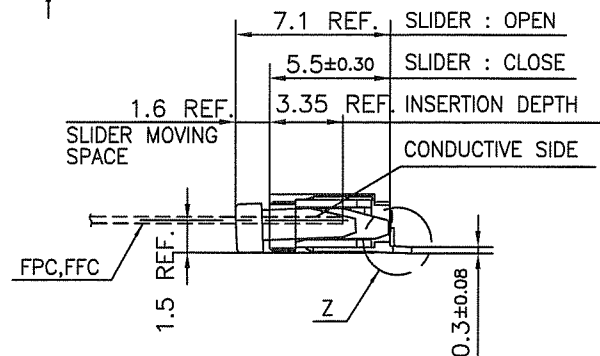
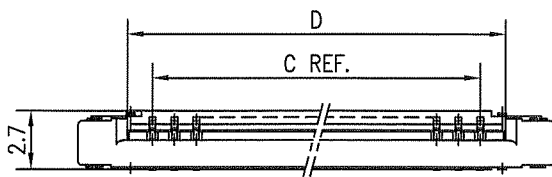
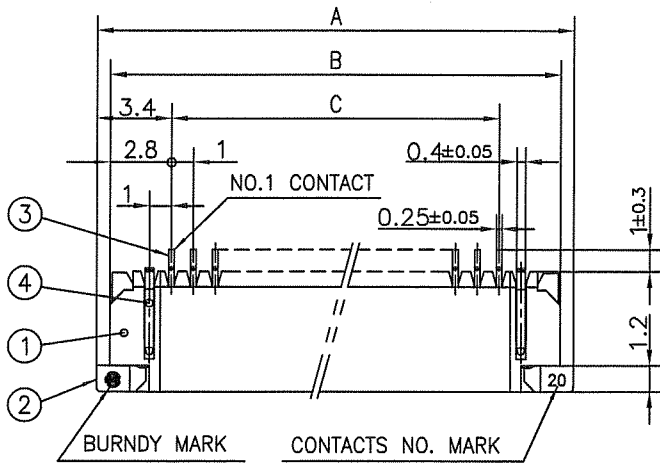
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER?COUNTRY REGULATIONS 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-1STA__LF)						
AA	J04-0329	H.T	9/27/'04	angles linear		±0.2			mm								
AB	J05-0055	H.T	2/4/'05														
AC	J05-0736	H.T	10/28/'05						scale X								
AD	J06-0398	H.T	9/26/'06	dr	A. YAHAGITA		2007-10-5				dwg no				sheet 1 of 1		size
AE	J09-0358	M.Y	2009-10-5	enr	A. YAHAGITA		2009-10-5				JSA 95887				A4		
				chr	S. K. K.		2009-10-6										
				appd	J. Chaudhary		2009-10-6										
sheet index	revision	AE														Rev	
	sheet	1														AE	

SC_SFW14
form: A4

JSA95886



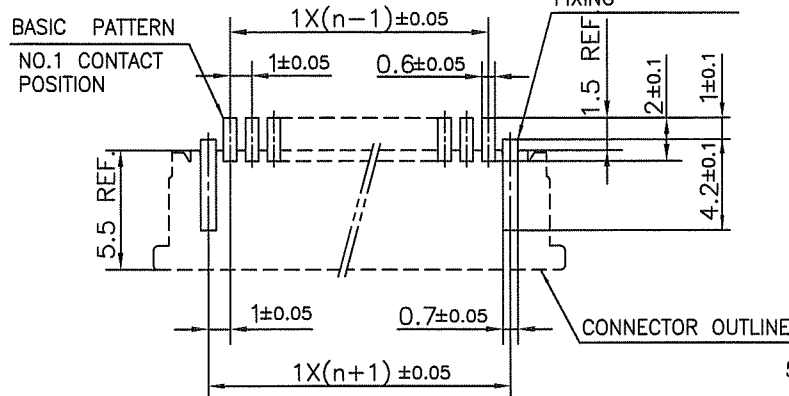
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	CONTACT AREA : GOLD TARMINAL AREA : TIN
4	MOUNTING PLATE		2	PLATING : TIN

n : NO. OF CONTACTS

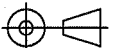
NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND 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.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER?COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



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-2STA__LF)						
A	J04-0413	H.T	11/16/04	angles		linear ±0.2										
B	J05-0055	H.T	2/4/05					scale 		dwg no sheet 1 of 1 JSA 96111 size A4						
C	J05-0736	H.T	10/28/05													
D	J06-0398	H.T	9/26/06	dr	H.YAMASHITA		2009-10-5				type Product Customer Drawing					
E	J09-0358	M.Y	2009-10-5	engr	H.YAMASHITA		2009-10-5									
				chr	S.W.K.		2008-10-6									
				appd	J. Dadani		2009-10-6									
sheet index	revision	E													Rev. E	
	sheet	1														

SC_SFW14 JSA95886
form: A4

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

CAT. NO.

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

TAPE PACKAGING

LEAD FREE

NOTES

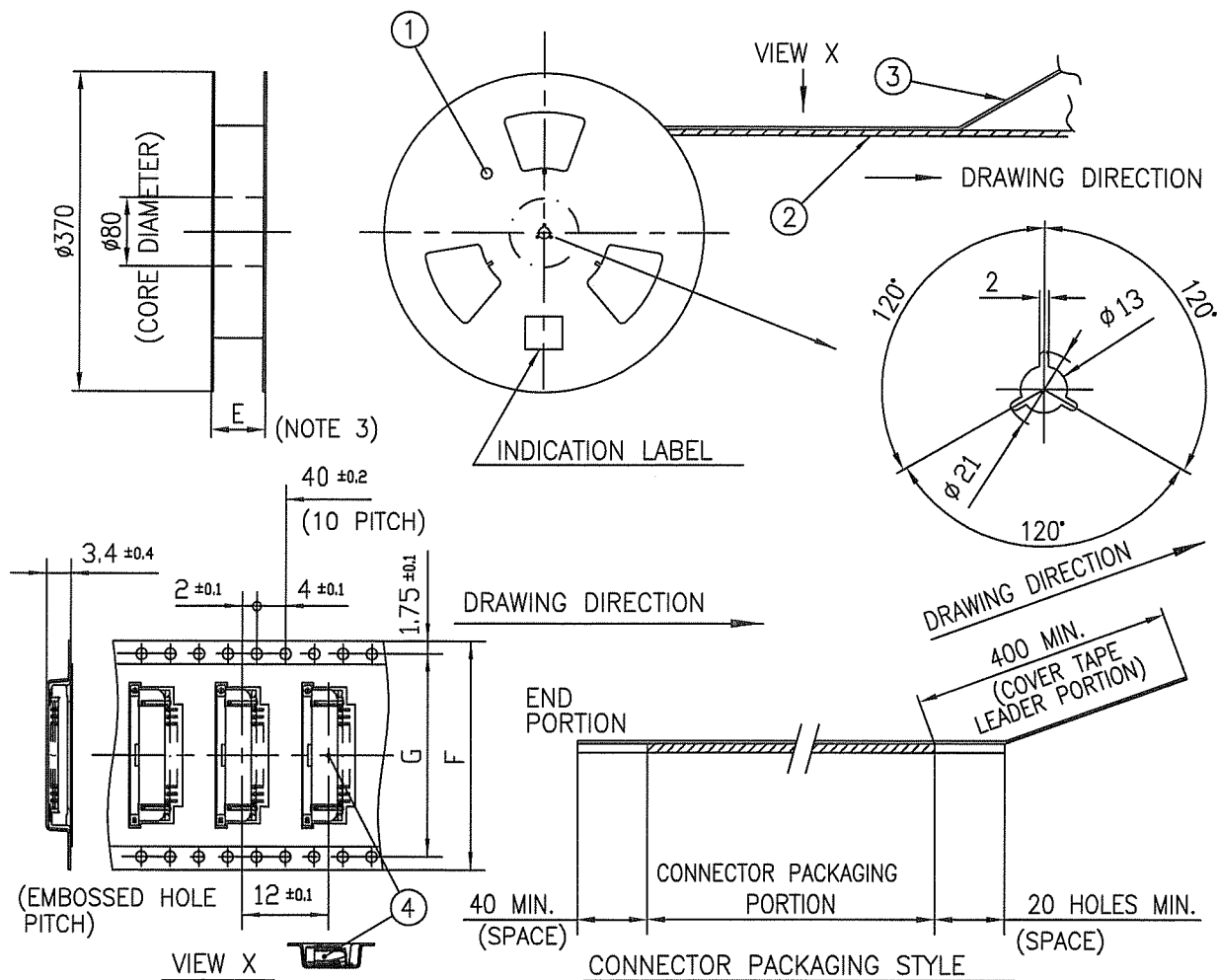
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COTES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.

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		angles linear		mm		title			
AA J04-0413 H.T 11/16/04										CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STAE1 LF)			
AB J05-0055 H.T 2/4/05										dwg no sheet 1 of 1 size			
AC J06-0398 H.T 9/26/06										JSA 95888 A4			
AD J09-0358 M.Y 2009-10-5				dr H.YAMASHITA 2009-10-5		engr H.YAMASHITA 2009-10-5		chr S. V. 2009-10-6		appd J. Chidam 2009-10-6		type Product Customer Drawing	
sheet index		revision sheet		AD 1								Rev. AD	

SC_SFW14 form: A4 JSA95886 95889 96112

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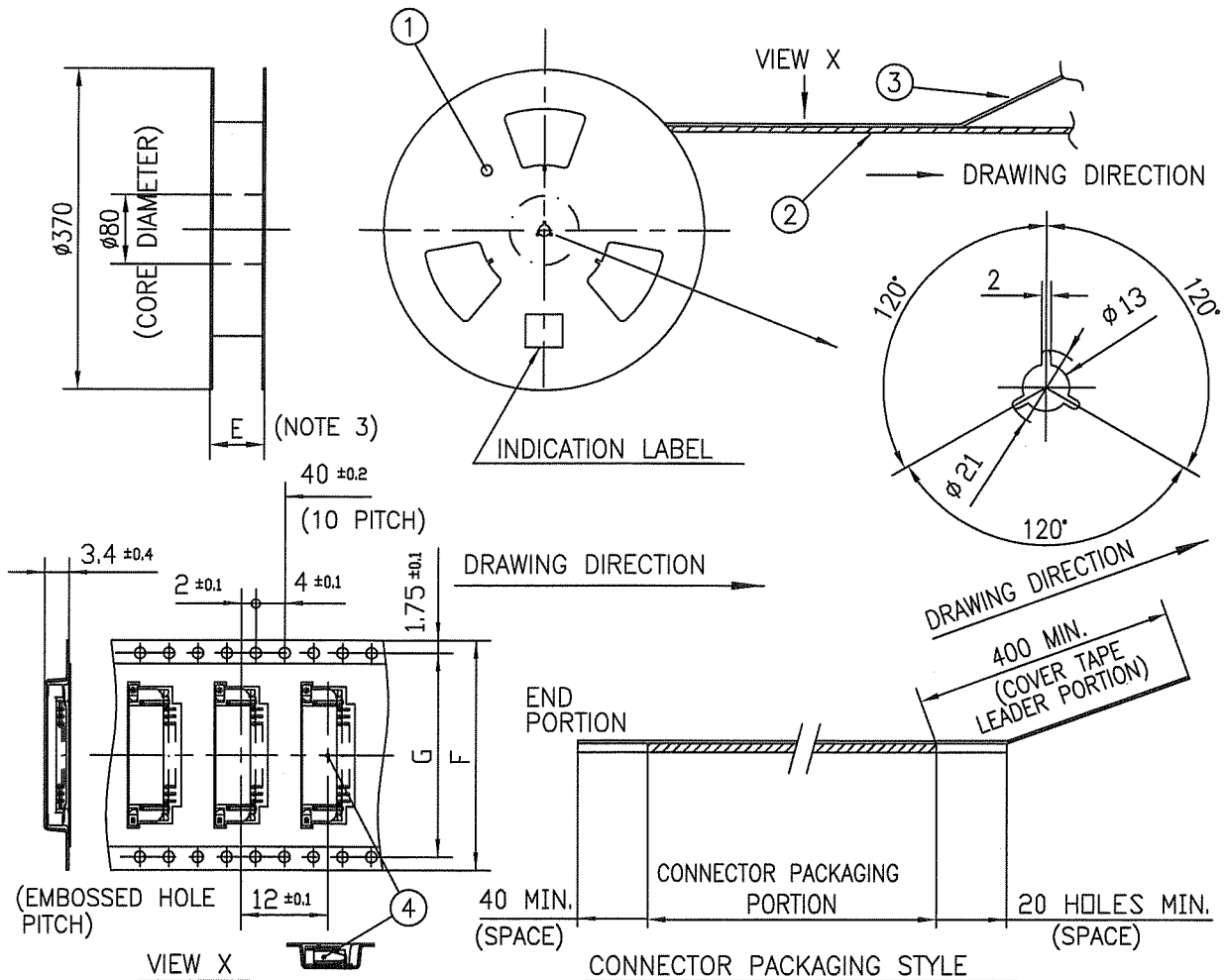
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW_R-1STA_LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC 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 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-1STAE1 LF)					
AA	J05-0055	H.T	2/4/'05	angles	linear		±5		mm		dwg no JSA 95889 sheet 1 of 1 size A4 type Product Customer Drawing				
AB	J06-0398	H.T	9/26/'06	±5'					scale $\propto$						
AC	J09-0358	M.Y	2009-10-5												
				dr	M. YAMASHITA		2009-10-5								
				enr	H. YAMASHITA		2009-10-5								
				chr	S. W. H. L.		2009-10-6								
				appd	J. Chidambaram		2009-10-6								
sheet index		revision	AC									Rev. AC			

 SC_SFW14
form: A4



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

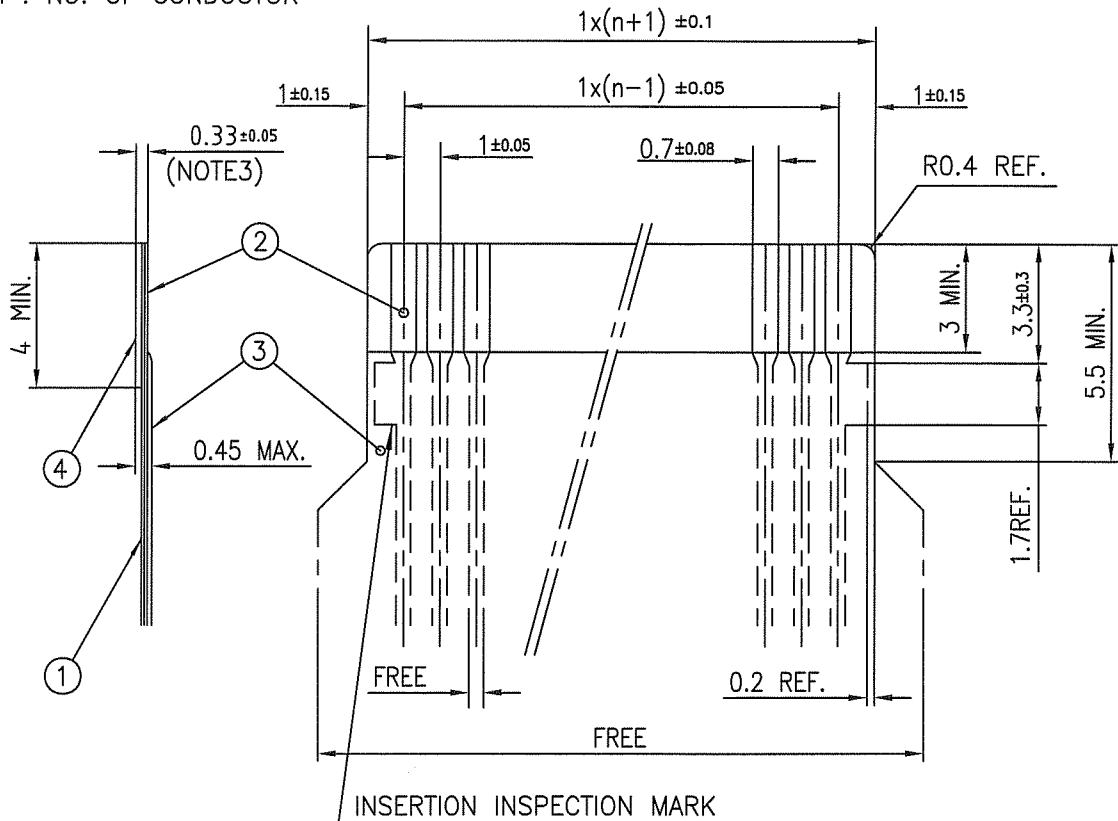
NOTES

- 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 mm	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-2STAE1 LF)	
A	J04-0413	H.T	11/16/04	angles	linear	mm	dwg no	
B	J05-0055	H.T	2/4/05	±5°	linear	mm	sheet 1 of 1 size	
C	J06-0398	H.T	9/26/06	±5°	linear	mm	JSA 96112	
D	J09-0358	M.Y	2009-10-5	dr	H. YAMASHITA	2009-10-5	type Product Customer Drawing	
				engr	H. YAMASHITA	2009-10-5	Rev. D	
				chr	S. WILSON	2009-10-5		
				appd	S. Ouellet	2009-10-6		
sheet index	revision	D						
	sheet	1						

SC_SFW14 JSA95888
form: A4

RECOMMENDED CABLE (FPC)
n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)
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/ISO 1302		tolerance ISO 406/ISO 1101		projection		product family 58RF		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title				
AA	J04-0413	H.T	11/16/04	angles linear				mm		RECOMMENDED CABLE				
AB	J06-0398	H.T	9/26/06					mm		(Cat. No. SFW__R-1/2STA_)				
AC	J09-0358	M.Y	2009-10-5					scale X						
				dr	MSAHASHITA		2009-10-5		FCI		dwg no		sheet 1 of 1	size
				engr	MSAHASHITA		2009-10-5				JSA 95890		A4	
				chr	S. Nishida		2009-10-6							
				appd	S. Chudani		2009-10-6							
sheet index		revision	AC											Rev. AC