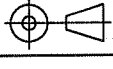


List of "SFW__R-1/2STAE5LF" customer document

DOCUMENT NO.	LIST
10100523(SHEET1)	DOCUMENT LIST
10100523(SHEET2)	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-1/2STA__LF)
10100523(SHEET3)	1mm SPACING SMT CONNECTOR (SFW__R-1STA_LF)
10100523(SHEET4)	1mm SPACING SMT CONNECTOR (SFW__R-2STA_LF)
10100523(SHEET5)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1/2STAE5LF)
10100523(SHEET6)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1STAE5LF)
10100523(SHEET7)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-2STAE5LF)
10100523(SHEET8)	RECOMMENDED CABLE (FPC) (SFW__R-1/2STA_)
SC-SFW14	PRODUCT SPECIFICATION
GS-20-129	HANDLING PROCEDURES

mat'l. code				surface 58 ☒ tolerance ISO 1302 ☒ ISO 406 ☒ ISO 1101		projection 		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title			
A	S09-0120	DGOH	09-04-17	angles linear				1mm SPACING SMT CONNECTOR DOCUMENT LIST			
B	J09-0380	M.Y	2009-10-27					(Cat. No. : SFW__R-1/2STAE5LF)			
				dr M.YAMASHITA 2009-10-27				dwg no		sheet 1 of 8	
				engr M.YAMASHITA 2009-10-27				10100523		size A4	
				chr S. Nakai 2009-10-27				type		Product Customer Drawing	
				appd S. Nakai 2009-10-27							
sheet index	revision	B	B	B	B	B	B	B	Rev.	B	
	sheet	1	2	3	4	5	6	7	8		

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, 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 COPS WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

mat'l. code -				surface 58 / tolerance ISO 1302 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-1/2STA__LF)			
B				angles linear		scale X		dwg no sheet 2 of 8 size A4			
				dr 11-11-2008		2008-10-27		10100523			
				engr 11-11-2008		2008-10-27		type Product Customer Drawing			
				chr S. W. H. 2008-10-27				Rev. B			
				appd S. W. H. 2008-10-27							
sheet index		revision sheet									



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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		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 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)

BASIC PATTERN

NO.1 CONTACT POSITION

PATTERN FOR MOUNTING PLATE FIXING

CONNECTOR OUTLINE

mat'l. code				surface 58		tolerance		projection		product family		CODE	
				ISO 1302		ISO 406				58RF		JP	
ltr				ecn no		dr		date		title			
B										1mm SPACING SMT CONNECTOR			
										(Cat. No. SFW__R-1STA__LF)			
										dwg no		sheet 3 of 8	
										10100523		A4	
										type		Product Customer Drawing	
sheet index				revision sheet								Rev. B	

form: A4

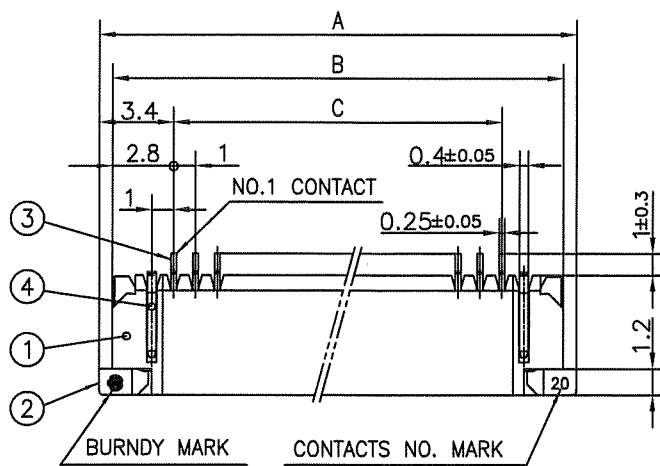
1

2

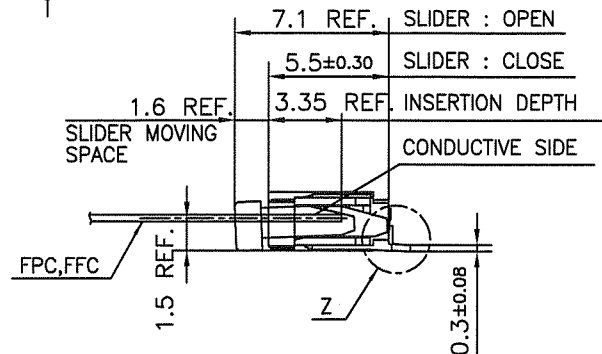
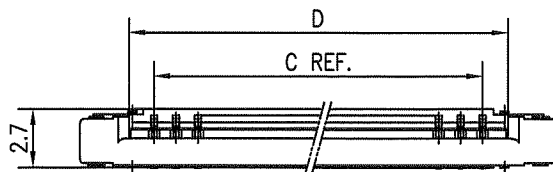
PDM: Rev:B

STATUS: Released

Printed: Nov 12, 2010

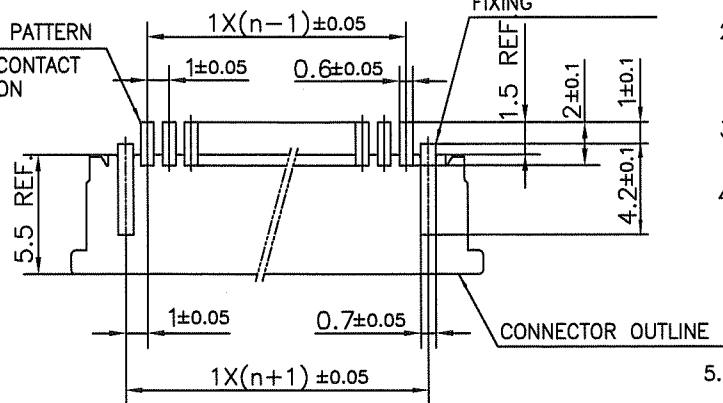


DETAIL Z



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

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)BASIC PATTERN
NO.1 CONTACT
POSITION

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

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 1302 ✓ / ISO 406 / ISO 1101		projection		product family 58RF		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title				
B				angles	linear ±0.2	scale X		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STA__LF)				
				dr	11. YAMASHITA	2009.10.27			dwg no		sheet 4 of 8	size
				engr	11. YAMASHITA	2009.10.27			10100523		A4	
				chr	S. Yamashita	2009.10.27			type		Product Customer Drawing	
				appd	S. Yamashita	2009.10.27						
sheet index	revision sheet									Rev. B		

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E MAX.	F ± 0.3	G ± 0.1
4	SFW4R-1/2STAE5LF	22.4	16	—
5	SFW5R-1/2STAE5LF	30.4	24	—
6	SFW6R-1/2STAE5LF	30.4	24	—
7	SFW7R-1/2STAE5LF	30.4	24	—
8	SFW8R-1/2STAE5LF	30.4	24	—
9	SFW9R-1/2STAE5LF	30.4	24	—
10	SFW10R-1/2STAE5LF	30.4	24	—
11	SFW11R-1/2STAE5LF	30.4	24	—
12	SFW12R-1/2STAE5LF	30.4	24	—
13	SFW13R-1/2STAE5LF	38.4	32	28.4
14	SFW14R-1/2STAE5LF	38.4	32	28.4
15	SFW15R-1/2STAE5LF	38.4	32	28.4
16	SFW16R-1/2STAE5LF	38.4	32	28.4
17	SFW17R-1/2STAE5LF	50.4	44	40.4
18	SFW18R-1/2STAE5LF	50.4	44	40.4
19	SFW19R-1/2STAE5LF	50.4	44	40.4
20	SFW20R-1/2STAE5LF	50.4	44	40.4
21	SFW21R-1/2STAE5LF	50.4	44	40.4
22	SFW22R-1/2STAE5LF	50.4	44	40.4
23	SFW23R-1/2STAE5LF	50.4	44	40.4
24	SFW24R-1/2STAE5LF	50.4	44	40.4
25	SFW25R-1/2STAE5LF	50.4	44	40.4
26	SFW26R-1/2STAE5LF	50.4	44	40.4
27	SFW27R-1/2STAE5LF	50.4	44	40.4
28	SFW28R-1/2STAE5LF	62.4	56	52.4
29	SFW29R-1/2STAE5LF	62.4	56	52.4
30	SFW30R-1/2STAE5LF	62.4	56	52.4

CAT. NO.

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

GOLD PLATING

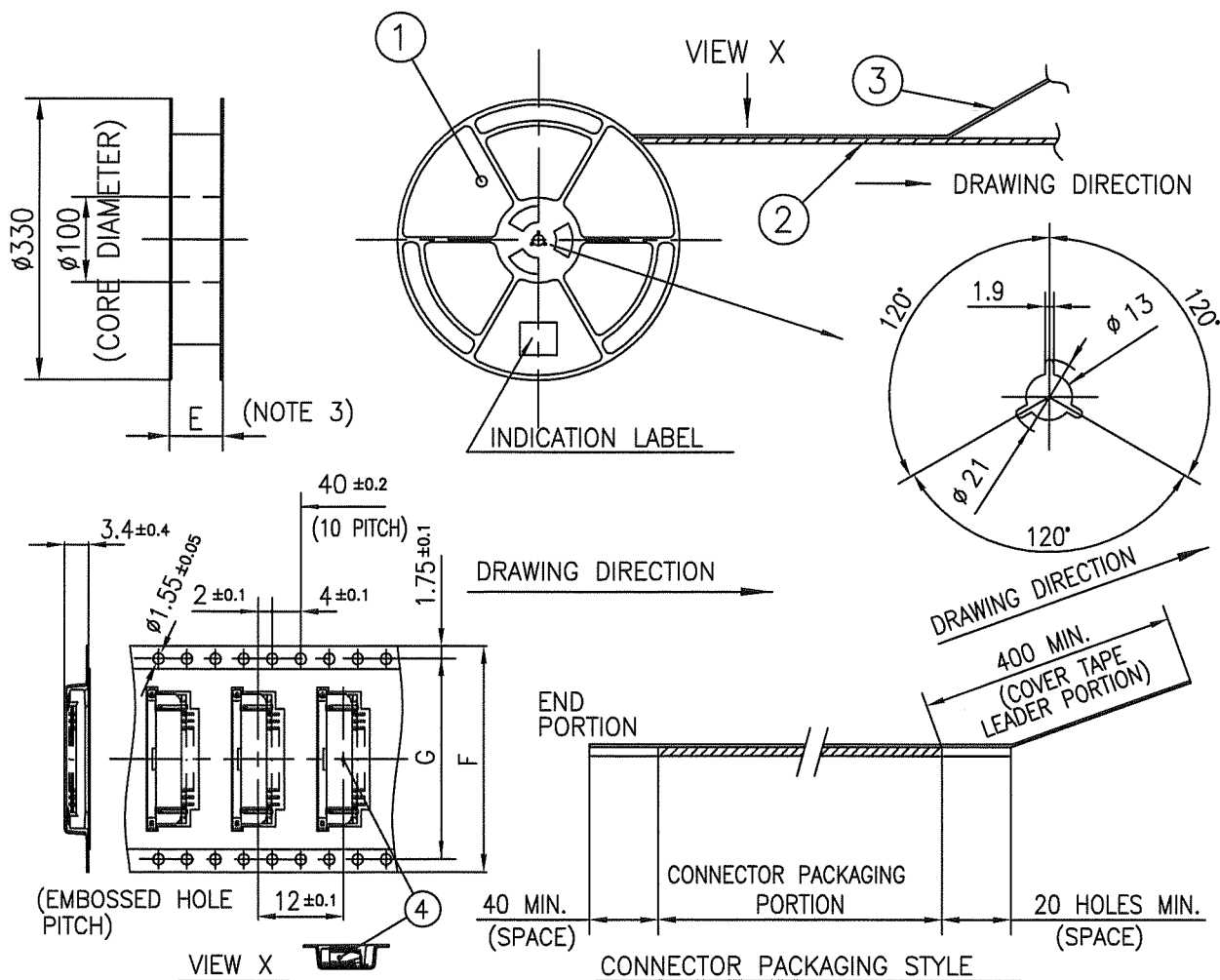
TAPE PACKAGING

LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES 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		mm		mm		title			
B				angles linear		mm		scale X		CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STAE5LF)			
				dr		engr		chr		appd		dwg no	
				M. YAMASHITA		M. YAMASHITA		S. Witala		S. Cludman		sheet 5 of 8	
				2008-10-27		2008-10-27		2008-10-27		2008-10-27		size A4	
sheet index				revision sheet								type Product Customer Drawing	
												Rev. B	

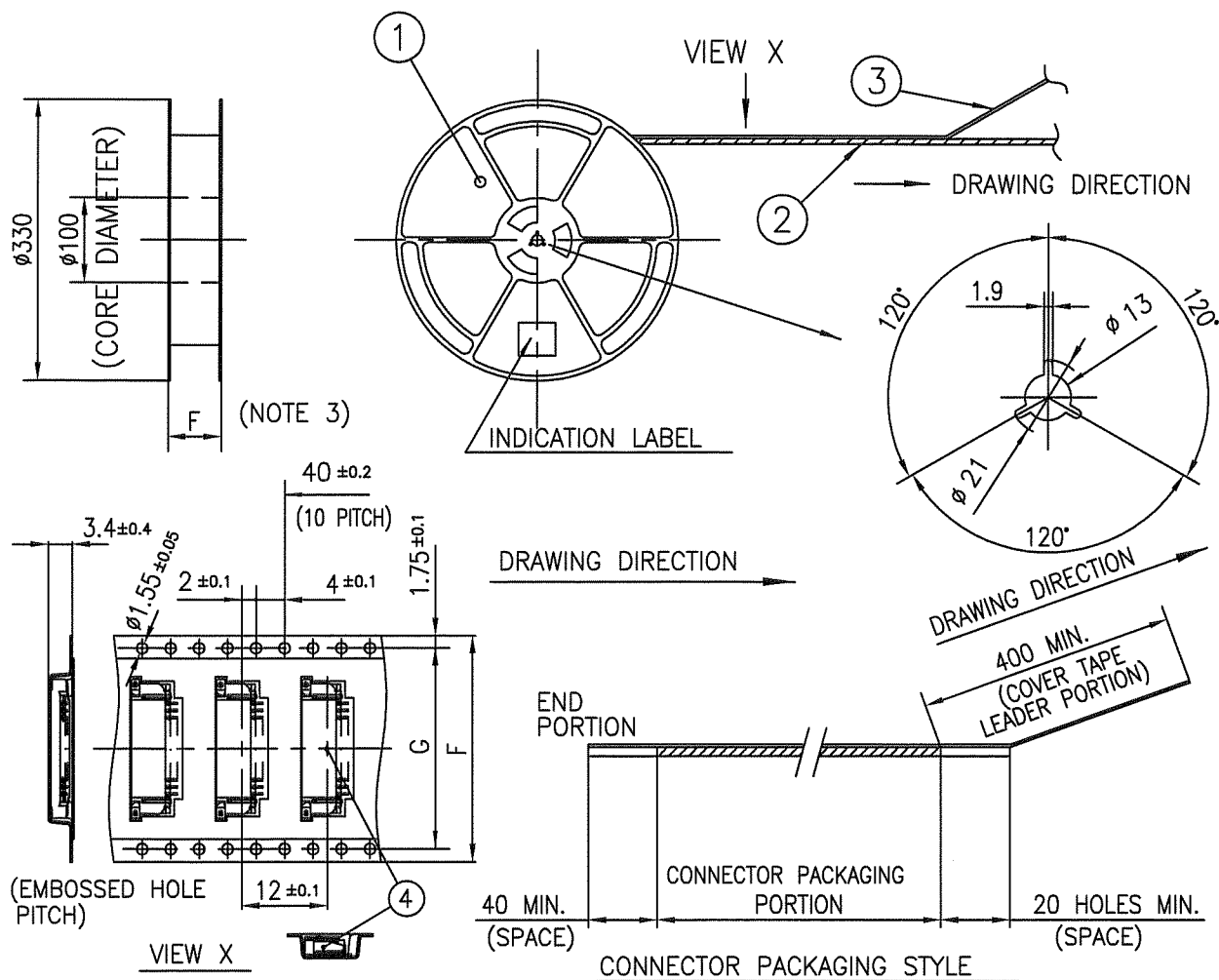


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFW__R-1STA__LF	SEE ATTACHED DWG.	1500	LOWER CONTACT TYPE

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 58 ☒ tolerance ISO 1302 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-1STAE5LF)			
B				angles	linear	mm					
				±5°		scale		dwg no 10100523 sheet 6 of 8 size A4			
				dr	engr	chr	appd				
sheet index				revision sheet		FCL		type Product Customer Drawing			
								Rev. B			



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
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFW__R-2STA__LF	SEE ATTACHED DWG.	1500	UPPER CONTACT TYPE

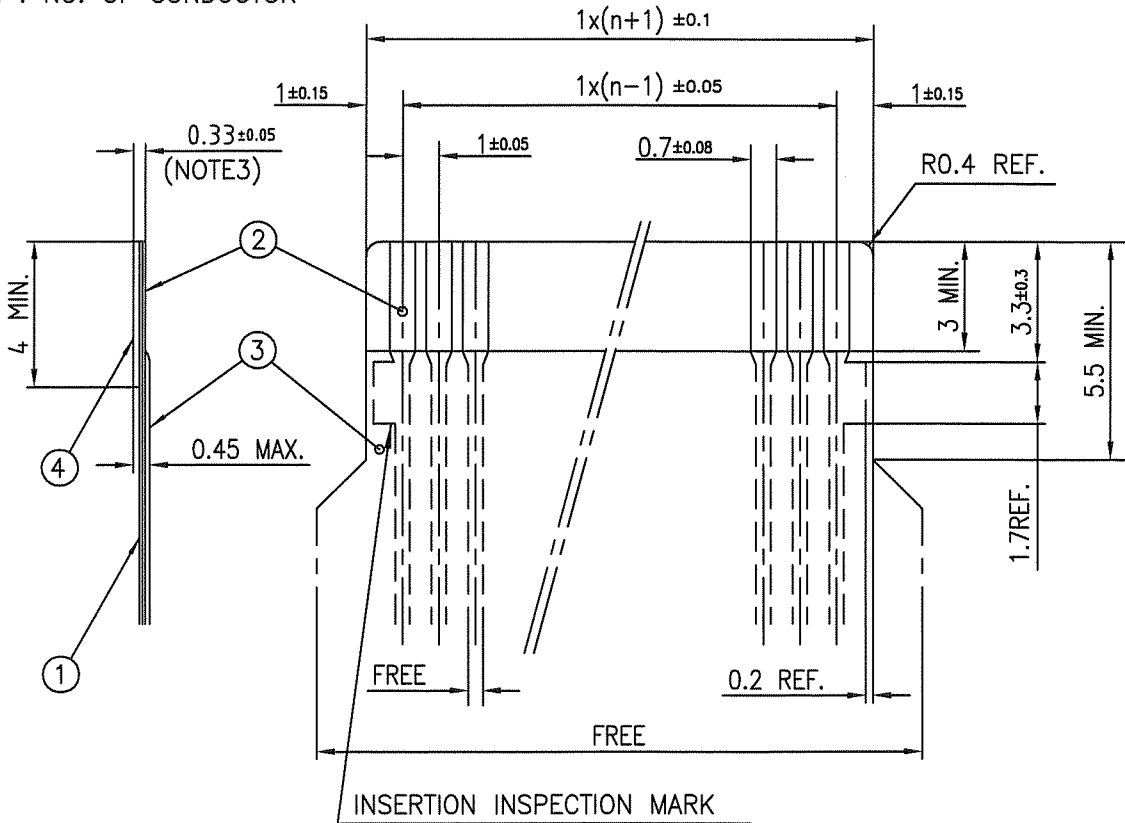
NOTES

- 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 58/ISO 1302		tolerance ISO 406/ISO 1101		projection		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STAE5LF)	
B										mm			
				angles		linear		scale		dwg no		sheet 7 of 8	
				±5°		±5		X		10100523		size A4	
				dr		engr		chr		appd		type Product Customer Drawing	
				H. YAMASHITA		H. YAMASHITA		S. WILSON		S. CHIDAMBA			
				2007-10-27		2007-10-27		2007-10-27		2007-10-27			
sheet index				revision sheet								Rev. B	

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 GOLD0.5um 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		mm		title			
B				angles	linear			scale X		RECOMMENDED CABLE (Cat. No. SFW__R-1/2STA_)			
				dr	engr	chr	appd	FCCI		dwg no		sheet 8 of 8	size
										10100523			A4
sheet index				revision sheet						type Product Customer Drawing			
										Rev. B			