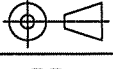
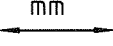


List of "SFW__R-1/2STGE5LF" customer document

DOCUMENT NO.	LIST
10092072(SHEET1)	DOCUMENT LIST
10092072(SHEET2)	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-1/2STG_LF)
10092072(SHEET3)	1mm SPACING SMT CONNECTOR (SFW__R-1STG_LF)
10092072(SHEET4)	1mm SPACING SMT CONNECTOR (SFW__R-2STG_LF)
10092072(SHEET5)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1/2STGE5LF) 
10092072(SHEET6)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1STGE5LF)
10092072(SHEET7)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-2STGE5LF)
10092072(SHEET8)	RECOMMENDED CABLE (FPC) (SFW__R-1/2STG_)
SC-SFW14	PRODUCT SPECIFICATION
GS-20-129	HANDLING PROCEDURES

NOTE

1. 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				mm 		title 1mm SPACING SMT CONNECTOR DOCUMENT LIST (Cat. No. : SFW__R-1/2STGE5LF)				
A	S08-0277	DGOH	08-08-25	angles	linear									
B	S09-0180	DGOH	09-05-28					scale 		dwg no 10092072 sheet 1 of 8 size A4				
C	J09-0380	M.Y	2009-10-27											
				dr	M.YANAGITA		2009-10-27				type Product Customer Drawing			
				engr	M.YANAGITA		2009-10-27							
				chr	S. W. H. L.		2009-10-27							
				appd	S. W. H. L.		2009-10-27							
sheet index	revision sheet	C	C	C	C	C	C	C	C					Rev. C

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-1/2STG__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)

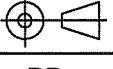
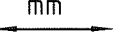
GOLD PLATING

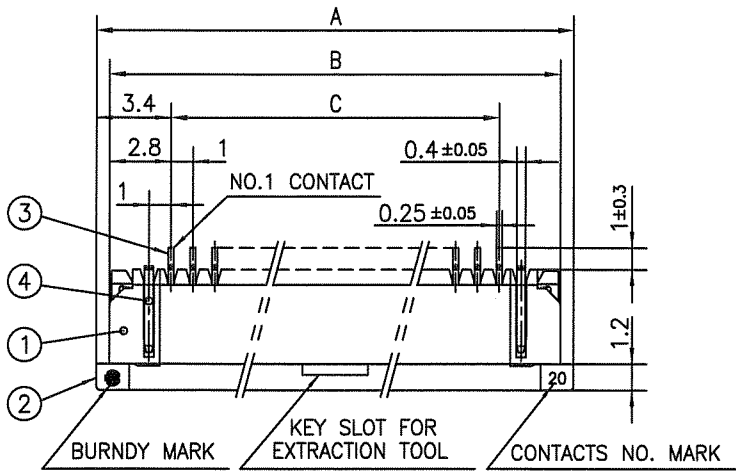
PACKAGE STYLE

LEAD FREE

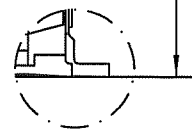
NOTES

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

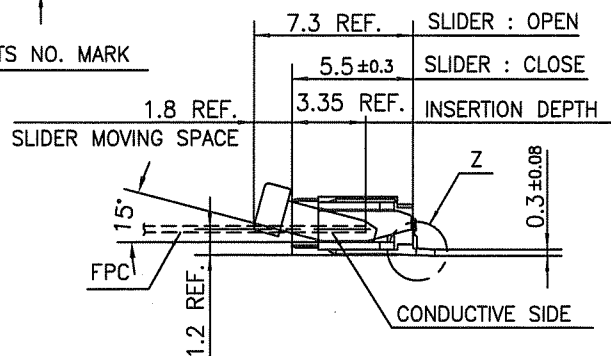
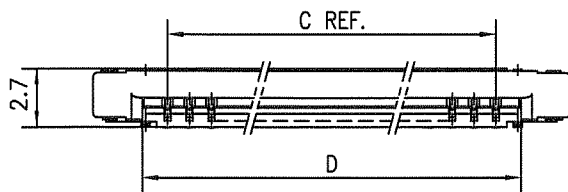
mat'l. code				surface 58 / tolerance ISO 1302 ☒ ISO 406 / ISO 1101		projection 		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm 		title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STG__LF)			
C				angles	linear	scale $\times$		dwg no sheet 2 of 8 size			
				dr	M. YAMASHITA 2009-10-27			10092072 A4			
				enr	M. YAMASHITA 2009-10-27						
				chr	S. WILK 2009-10-27						
				appd	S. Anderson 2009-10-27						
sheet index	revision sheet										Rev. C



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	PLATING : GOLD
4	MOUNTING PLATE		2	PLATING : TIN

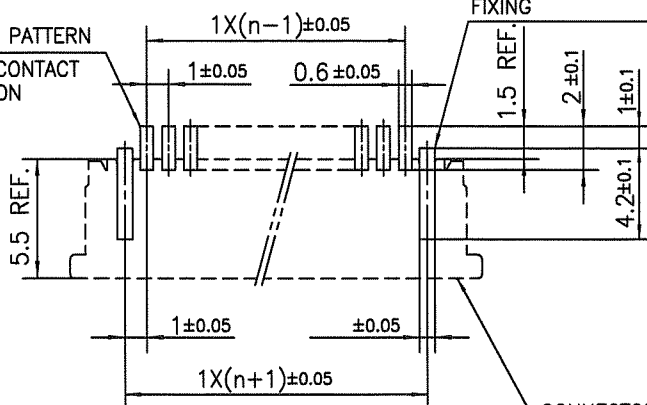
n : NO. OF CONTACTS

NOTES

- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS 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.

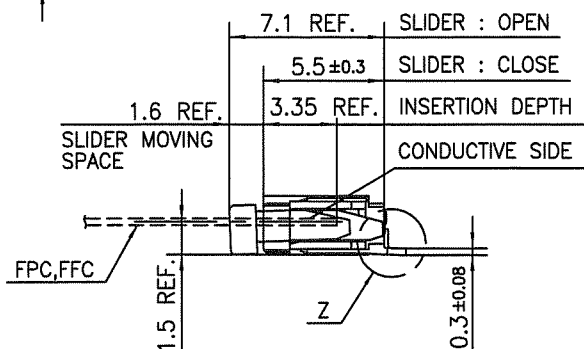
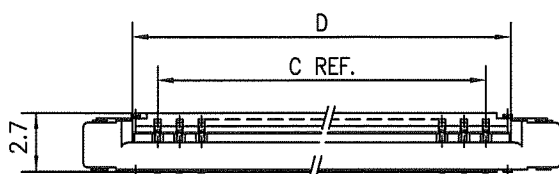
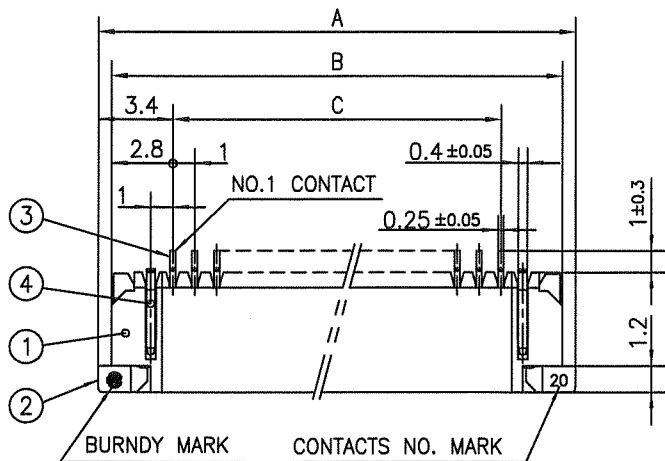
RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN
NO.1 CONTACT
POSITION



CONNECTOR OUTLINE

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			
c				angles linear ± 0.2		scale X		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STG__LF)			
				dr M. YAMAGUCHI 2007-10-27				dwg no		sheet 3 of 8	
				enr M. YAMAGUCHI 2007-10-27				10092072		size A4	
				chr S. YAMAGUCHI 2007-10-27							
				appd S. YAMAGUCHI 2007-10-27							
sheet index		revision sheet								Rev. C	



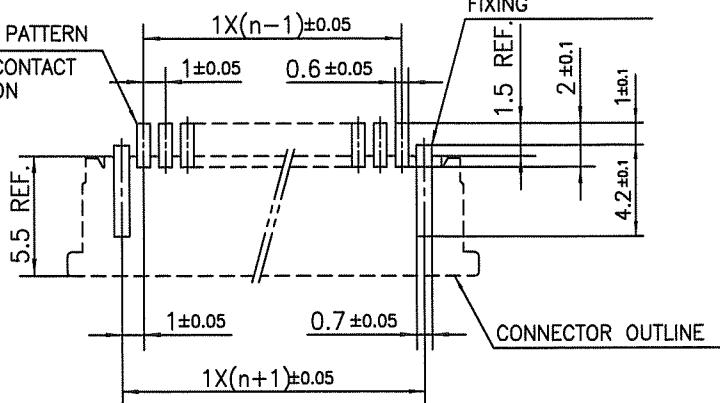
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD
4	MOUNTING PLATE		2	PLATING : IN

n : NO. OF CONTACTS
NOTES

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN

NO.1 CONTACT
POSITION



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 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 58 / ISO 406 / ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
c				angles linear ±0.2		scale X		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STG__LF)			
				dr H. YAMASHITA 2009-10-27				dwg no		sheet 4 of 8	
				engr H. YAMASHITA 2009-10-27				10092072		size A4	
				chr S. V. 2009-10-27							
				appd J. Claudon 2009-11-27							
sheet index		revision sheet								Rev. C	

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E MAX.	F ± 0.3	G ± 0.1
4	SFW4R-1/2STGE5LF	22.4	16	—
5	SFW5R-1/2STGE5LF	30.4	24	—
6	SFW6R-1/2STGE5LF	30.4	24	—
7	SFW7R-1/2STGE5LF	30.4	24	—
8	SFW8R-1/2STGE5LF	30.4	24	—
9	SFW9R-1/2STGE5LF	30.4	24	—
10	SFW10R-1/2STGE5LF	30.4	24	—
11	SFW11R-1/2STGE5LF	30.4	24	—
12	SFW12R-1/2STGE5LF	30.4	24	—
13	SFW13R-1/2STGE5LF	38.4	32	28.4
14	SFW14R-1/2STGE5LF	38.4	32	28.4
15	SFW15R-1/2STGE5LF	38.4	32	28.4
16	SFW16R-1/2STGE5LF	38.4	32	28.4
17	SFW17R-1/2STGE5LF	50.4	44	40.4
18	SFW18R-1/2STGE5LF	50.4	44	40.4
19	SFW19R-1/2STGE5LF	50.4	44	40.4
20	SFW20R-1/2STGE5LF	50.4	44	40.4
21	SFW21R-1/2STGE5LF	50.4	44	40.4
22	SFW22R-1/2STGE5LF	50.4	44	40.4
23	SFW23R-1/2STGE5LF	50.4	44	40.4
24	SFW24R-1/2STGE5LF	50.4	44	40.4
25	SFW25R-1/2STGE5LF	50.4	44	40.4
26	SFW26R-1/2STGE5LF	50.4	44	40.4
27	SFW27R-1/2STGE5LF	50.4	44	40.4
28	SFW28R-1/2STGE5LF	62.4	56	52.4
29	SFW29R-1/2STGE5LF	62.4	56	52.4
30	SFW30R-1/2STGE5LF	62.4	56	52.4

CAT. NO.

SFW (n) R - 1 ST G E5 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

TAPE PACKAGING FOR E5 (1500pcs PER REEL)

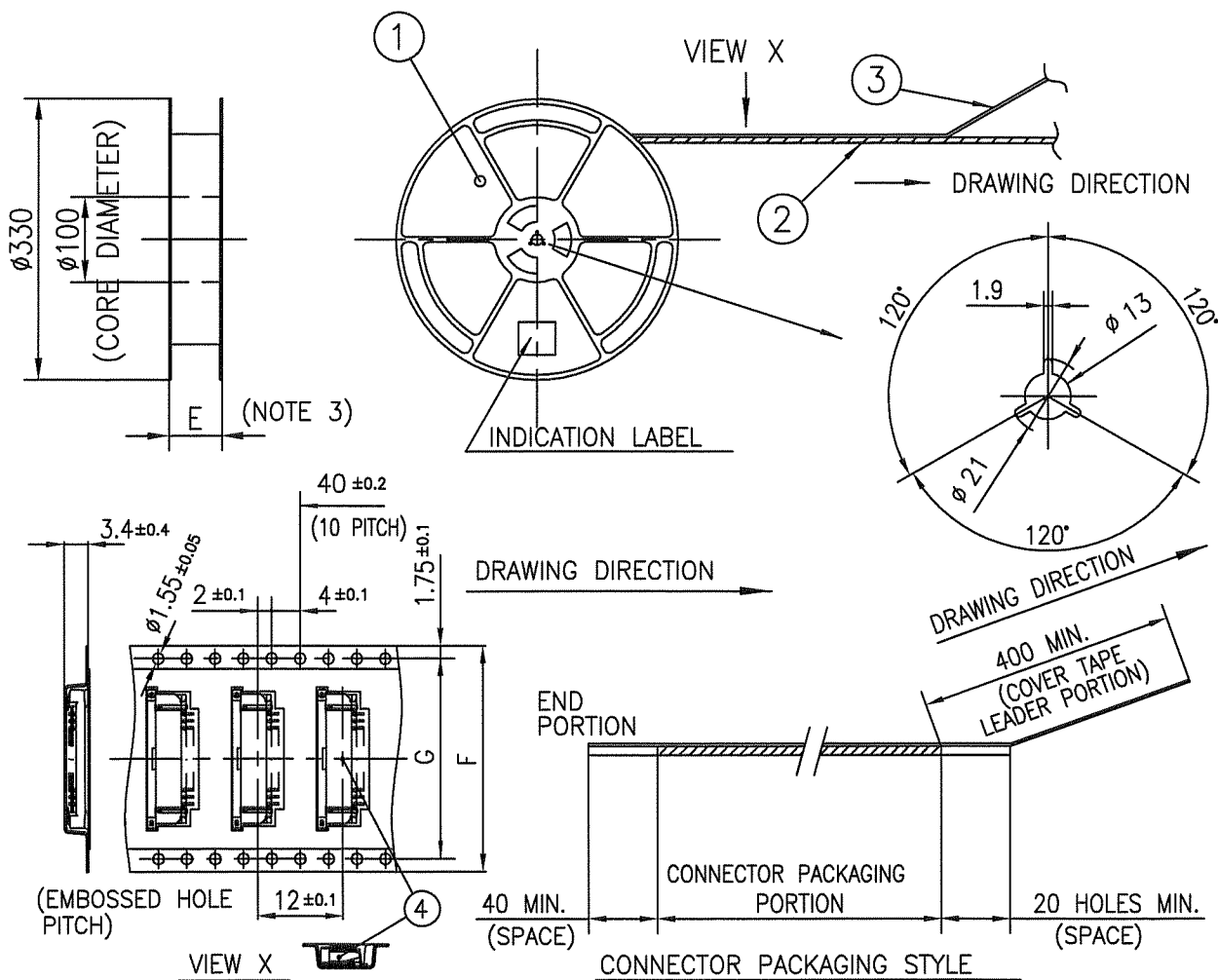


LEAD FREE

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 ☒ tolerance ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STGE5LF)			
c				angles	linear	scale $\times$		dwg no sheet 5 of 8 size			
				dr	M. Yamaguchi 2009-10-27	FCI		10092072 A4			
				enr	M. Yamaguchi 2009-10-27			type Product Customer Drawing			
				chr	S. W. H. 2009-10-27						
				appd	S. O. H. 2009-10-27						
sheet index	revision sheet										Rev. C

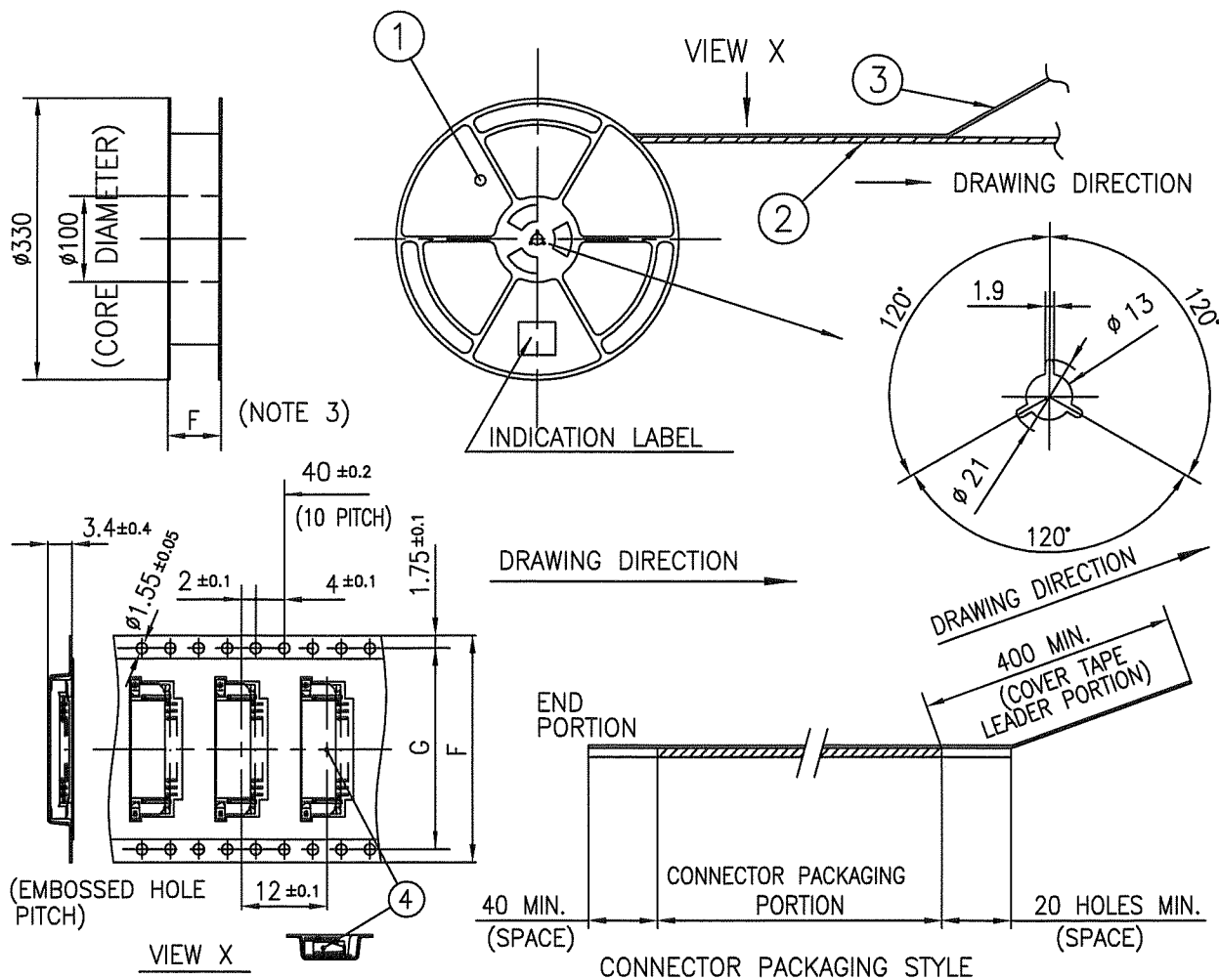


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSS) TAPE		PET		COLOR : TRANSPARENCY (CLEAR)
3	COVER		POLYESTER		COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFW__R-1STG__LF	SEE ATTACHED DWG.	1500	LOWER CONTACT TYPE

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 58		tolerance ISO 1302 406 1101		projection		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STGE5LF)	
c										mm			
				angles		linear		scale		dwg no		sheet 6 of 8	
				±5°						10092072		A4	
				dr		M. YAMASHITA		2009-10-27		type		Product Customer Drawing	
				engr		M. YAMASHITA		2009-10-27					
				chr		S. Wata		2009-10-27					
				appd		J. Gudam		2009-10-27					
sheet index		revision sheet										Rev. C	



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 (CLEAR) B
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY (CLEAR) B
4	CONNECTOR	SFW__R-2STG__LF	SEE ATTACHED DWG.	1500	UPPER CONTACT TYPE

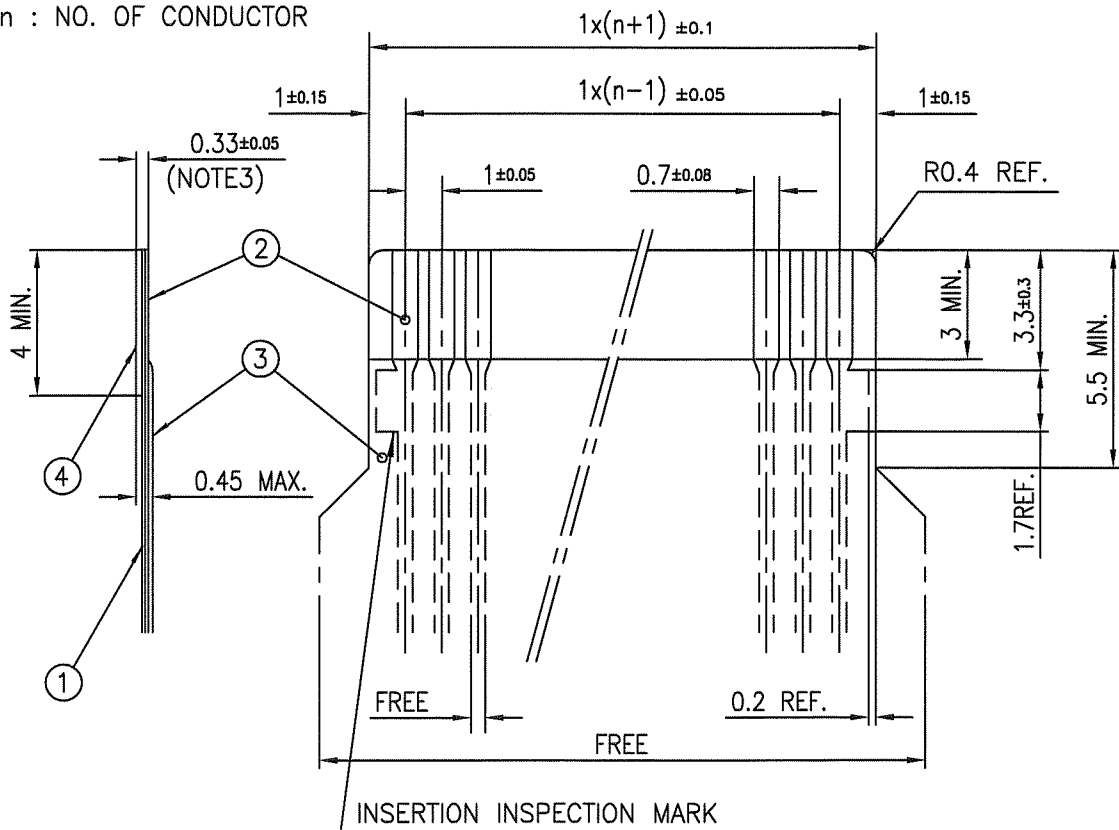
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPS 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 58 ☒ ISO 406 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-2STGE5LF)			
c				angles	linear	scale $\times$		dwg no 10092072 sheet 7 of 8 size A4			
				±5°				type Product Customer Drawing			
				dr	engr	chr	appd				
				M. YAMAMOTO	M. YAMAMOTO	S. YAMAMOTO	S. YAMAMOTO				
				2009-10-27	2009-10-27	2009-10-27	2009-10-27				
sheet index	revision sheet							Rev. C			

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 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
C				angles	linear	scale X		RECOMMENDED CABLE (Cat. No. SFW__R-1/2STG_)			
				dr	engr	chr	appd	dwg no		sheet 8 of 8	size
								10092072			A4
								type Product Customer Drawing			
sheet index	revision sheet										Rev. C