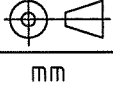
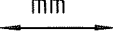



List of "SFW__R-1/2STE5LF" customer document

DOCUMENT NO.	LIST
10100522(SHEET1)	DOCUMENT LIST
10100522(SHEET2)	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-1/2ST__LF)
10100522(SHEET3)	1mm SPACING SMT CONNECTOR (SFW__R-1ST_LF)
10100522(SHEET4)	1mm SPACING SMT CONNECTOR (SFW__R-2ST_LF)
10100522(SHEET5)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1/2STE5LF)
10100522(SHEET6)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1STE5LF)
10100522(SHEET7)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-2STE5LF)
10100522(SHEET8)	RECOMMENDED CABLE (FPC) (SFW__R-1/2ST_)
10100522(SHEET9)	RECOMMENDED CABLE (FFC) (SFW__R-1/2ST_)
SC-SFW10	PRODUCT SPECIFICATION
GS-20-129	HANDLING PROCEDURES

mat'l. code -				surface 58 / tolerance ISO 1302 <input checked="" type="checkbox"/> 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-1/2STE5LF)			
A	S09-0120	DGOH	09-04-17	angles	linear	scale X		 dwg no 10100522 sheet 1 of 9 size A4 type Product Customer Drawing			
B	J09-0356	M.Y	2009-10-2								
C	J09-0380	M.Y	2009-10-27								
				dr	M.YAMASHITA	2009-10-27					
				enr	M.YAMASHITA	2009-10-27					
				chr	S. W. H. L.	2009-10-27					
				appd	S. O. H. L.	2009-10-27					
sheet index	revision sheet	C	C	C	C	C	C	C	C	C	Rev. C
		1	2	3	4	5	6	7	8	9	

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-1/2ST__LF	9.8	8.6	3.0	5.3
5	SFW5R-1/2ST__LF	10.8	9.6	4.0	6.3
6	SFW6R-1/2ST__LF	11.8	10.6	5.0	7.3
7	SFW7R-1/2ST__LF	12.8	11.6	6.0	8.3
8	SFW8R-1/2ST__LF	13.8	12.6	7.0	9.3
9	SFW9R-1/2ST__LF	14.8	13.6	8.0	10.3
10	SFW10R-1/2ST__LF	15.8	14.6	9.0	11.3
11	SFW11R-1/2ST__LF	16.8	15.6	10.0	12.3
12	SFW12R-1/2ST__LF	17.8	16.6	11.0	13.3
13	SFW13R-1/2ST__LF	18.8	17.6	12.0	14.3
14	SFW14R-1/2ST__LF	19.8	18.6	13.0	15.3
15	SFW15R-1/2ST__LF	20.8	19.6	14.0	16.3
16	SFW16R-1/2ST__LF	21.8	20.6	15.0	17.3
17	SFW17R-1/2ST__LF	22.8	21.6	16.0	18.3
18	SFW18R-1/2ST__LF	23.8	22.6	17.0	19.3
19	SFW19R-1/2ST__LF	24.8	23.6	18.0	20.3
20	SFW20R-1/2ST__LF	25.8	24.6	19.0	21.3
21	SFW21R-1/2ST__LF	26.8	25.6	20.0	22.3
22	SFW22R-1/2ST__LF	27.8	26.6	21.0	23.3
23	SFW23R-1/2ST__LF	28.8	27.6	22.0	24.3
24	SFW24R-1/2ST__LF	29.8	28.6	23.0	25.3
25	SFW25R-1/2ST__LF	30.8	29.6	24.0	26.3
26	SFW26R-1/2ST__LF	31.8	30.6	25.0	27.3
27	SFW27R-1/2ST__LF	32.8	31.6	26.0	28.3
28	SFW28R-1/2ST__LF	33.8	32.6	27.0	29.3
29	SFW29R-1/2ST__LF	34.8	33.6	28.0	30.3
30	SFW30R-1/2ST__LF	35.8	34.6	29.0	31.3

CAT. NO.

SFW (n) R - 1 ST __ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE


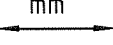

FOR AUTOMATIC MOUNTING (SMT)

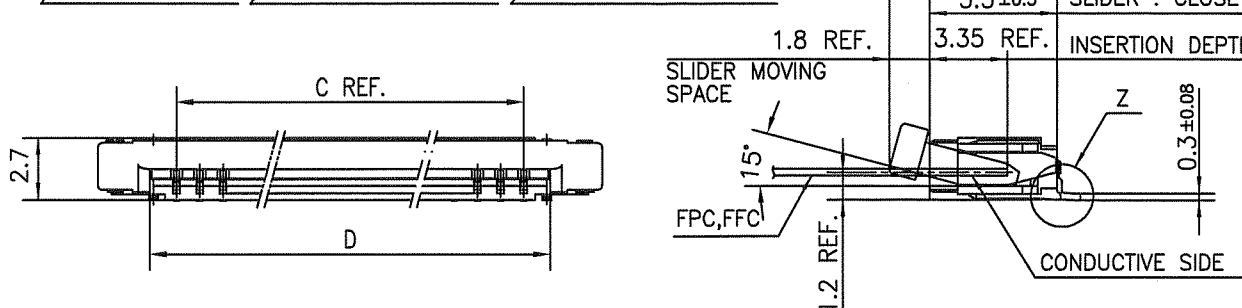
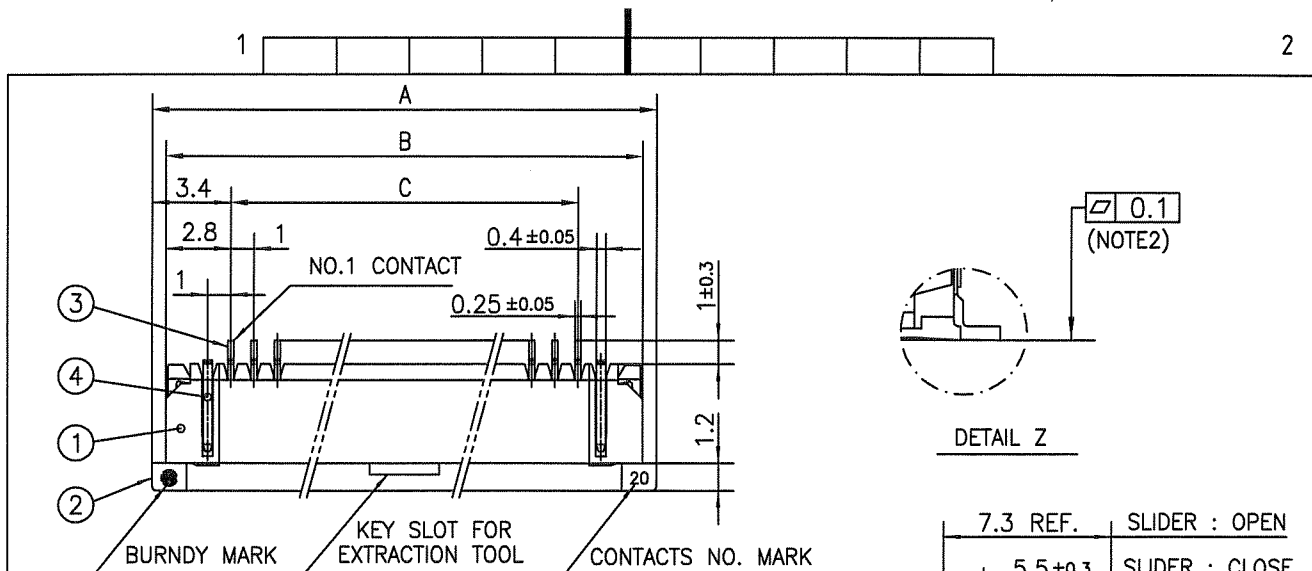
PACKAGE STYLE

LEAD FREE

NOTES

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

mat'l. code -				surface 58 / tolerance ISO 1302 <input checked="" type="checkbox"/> 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-1/2ST__LF)			
c				angles	linear	scale \propto		dwg no sheet 2 of 9 size			
				dr	MYAMASHI 27A 2007-10-27			10100522 A4			
			engr	MYAMASHI 27A 2009-10-27	type Product Customer Drawing						
			chr	S. Kishino 2009-10-27							
			appd	S. Oda 2009-10-27							
sheet index	revision sheet										Rev. c



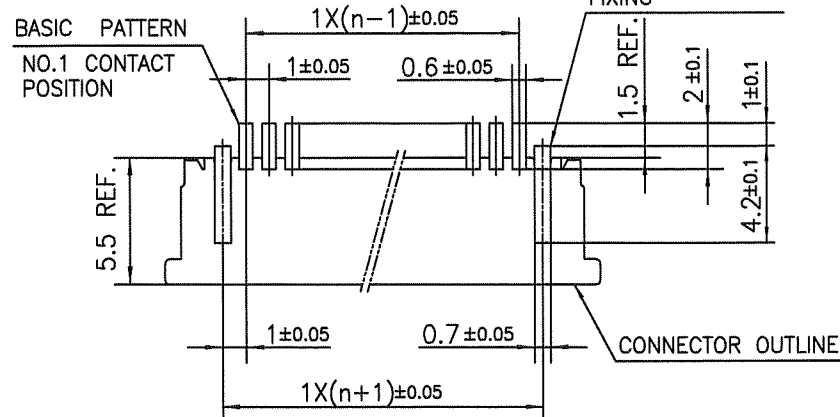
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

n : NO. OF CONTACTS

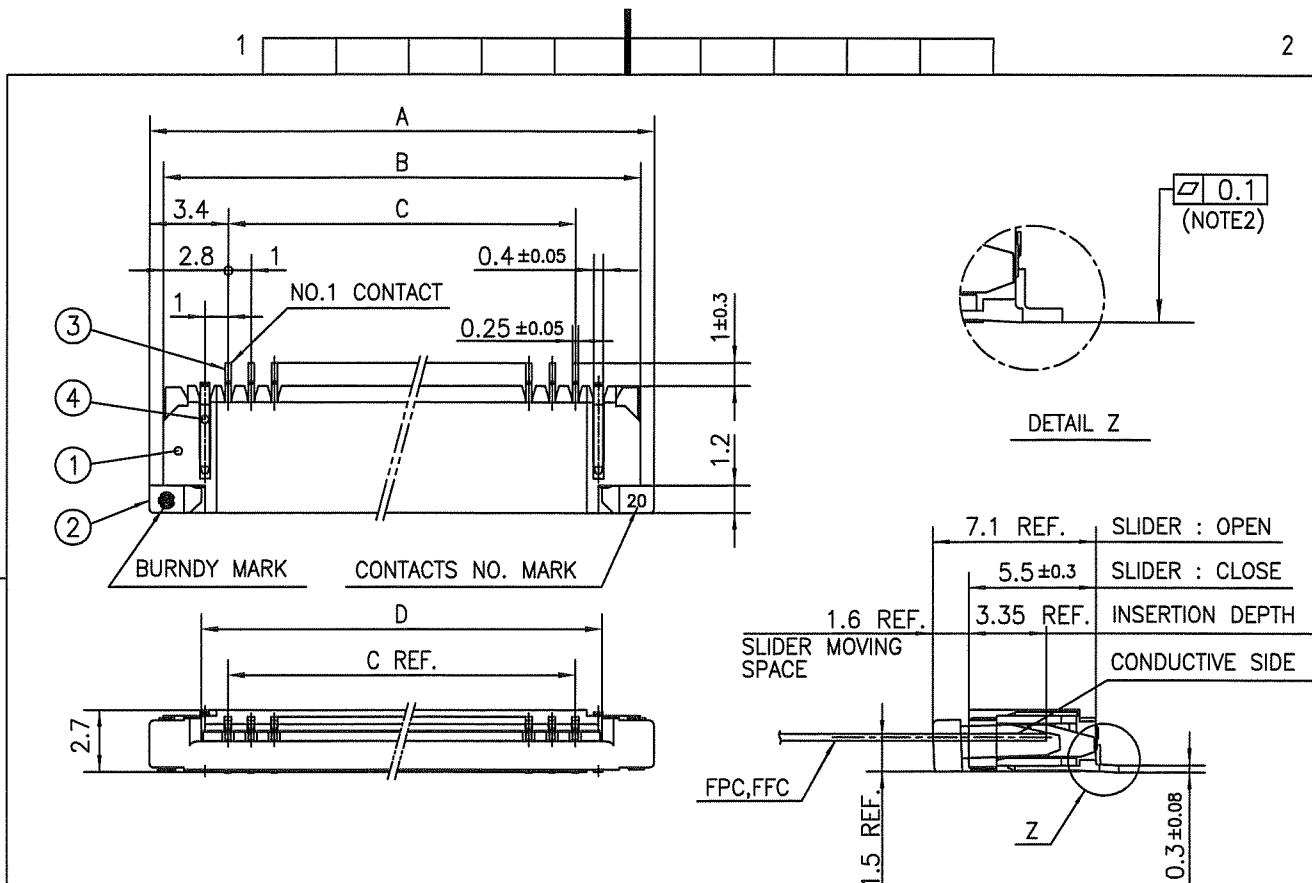
NOTES

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)



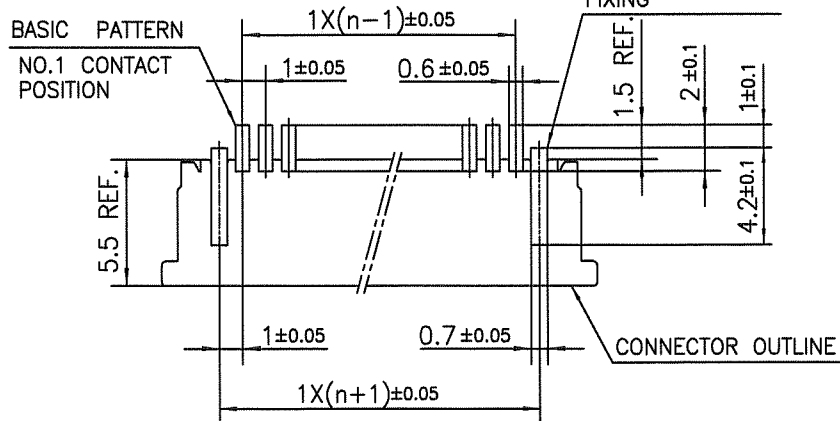
mat'l. code				surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
C				angles	linear ±0.2	scale X		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1ST__LF)			
				dr	M. YAMASHITA 2009-10-27			dwg no		sheet 3 of 9	size
				engr	M. YAMASHITA 2009-10-27			10100522		A4	
				chr	S. Vithala 2009-10-27			type		Product Customer Drawing	
				appd	S. D. Dandekar 2009-10-27						
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 : TIN
4	MOUNTING PLATE		2	

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



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.

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	mm		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2ST__LF)			
						scale		dwg no 10100522 sheet 4 of 9 size A4			
				dr	M.YAHASHITA	2009-10-27					
				engr	M.YAHASHITA	2009-10-27					
				chr	J. H. H. H.	2009-10-27					
				appd	P. Madan	2009-10-27					
sheet index	revision sheet							type Product Customer Drawing			
								Rev. C			

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E MAX.	F ± 0.3	G ± 0.1
4	SFW4R-1/2STE5LF	22.4	16	—
5	SFW5R-1/2STE5LF	30.4	24	—
6	SFW6R-1/2STE5LF	30.4	24	—
7	SFW7R-1/2STE5LF	30.4	24	—
8	SFW8R-1/2STE5LF	30.4	24	—
9	SFW9R-1/2STE5LF	30.4	24	—
10	SFW10R-1/2STE5LF	30.4	24	—
11	SFW11R-1/2STE5LF	30.4	24	—
12	SFW12R-1/2STE5LF	30.4	24	—
13	SFW13R-1/2STE5LF	38.4	32	28.4
14	SFW14R-1/2STE5LF	38.4	32	28.4
15	SFW15R-1/2STE5LF	38.4	32	28.4
16	SFW16R-1/2STE5LF	38.4	32	28.4
17	SFW17R-1/2STE5LF	50.4	44	40.4
18	SFW18R-1/2STE5LF	50.4	44	40.4
19	SFW19R-1/2STE5LF	50.4	44	40.4
20	SFW20R-1/2STE5LF	50.4	44	40.4
21	SFW21R-1/2STE5LF	50.4	44	40.4
22	SFW22R-1/2STE5LF	50.4	44	40.4
23	SFW23R-1/2STE5LF	50.4	44	40.4
24	SFW24R-1/2STE5LF	50.4	44	40.4
25	SFW25R-1/2STE5LF	50.4	44	40.4
26	SFW26R-1/2STE5LF	50.4	44	40.4
27	SFW27R-1/2STE5LF	50.4	44	40.4
28	SFW28R-1/2STE5LF	62.4	56	52.4
29	SFW29R-1/2STE5LF	62.4	56	52.4
30	SFW30R-1/2STE5LF	62.4	56	52.4

CAT. NO.

SFW (n) R - 1 ST E5 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

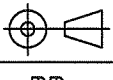
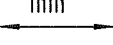
FOR AUTOMATIC MOUNTING
(SMT)

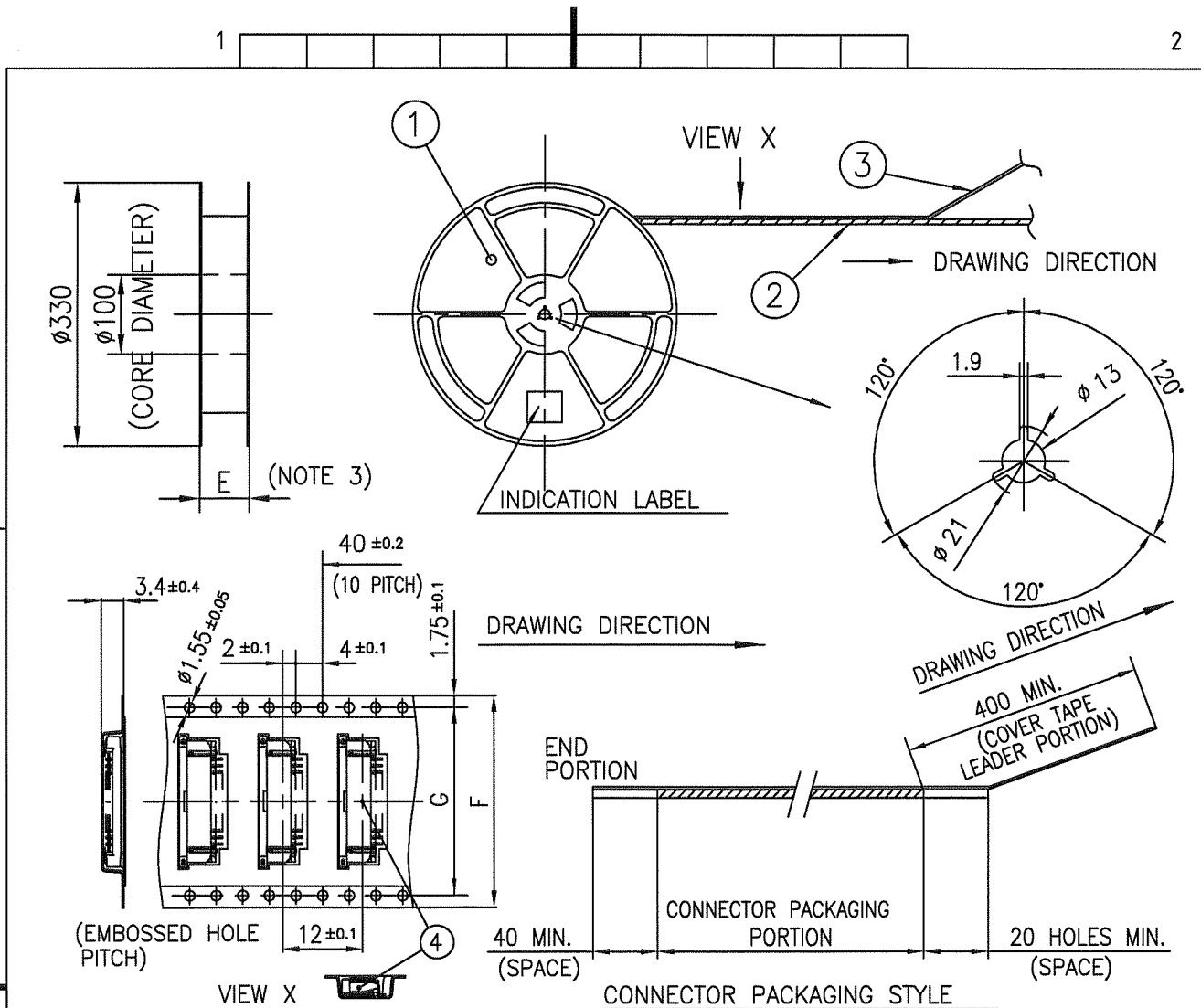
TAPE PACKAGING

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 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 PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STE5LF)			
C				angles	linear	scale X		dwg no sheet 5 of 9 size			
				dr	engr	FCCI		10100522 A4			
				chr	appd			type Product Customer Drawing			
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
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFW__R-1ST__LF	SEE ATTACHED DWG.	1500	LOWER CONTACT TYPE

NOTES

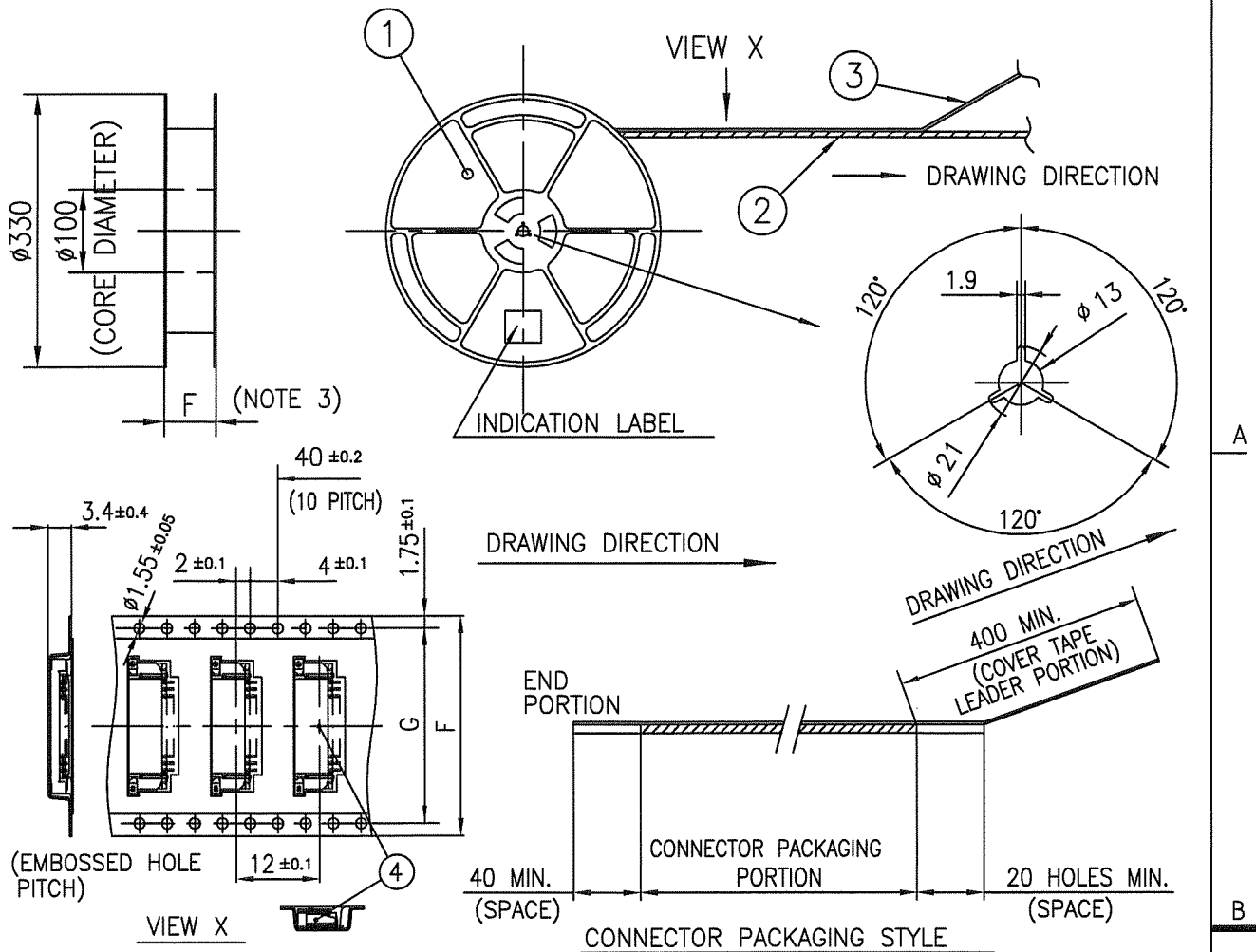
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection mm		product family 58RF		CODE JP	
ltr C				ecn no		dr		date		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STE5LF)		dwg no 10100522	
angles ±5°				linear ±5		scale X		FCCI		sheet 6 of 9		size A4	
dr H. YAMAGUCHI				2009-10-27		engr H. YAMAGUCHI		2009-10-27		chr S. W. H. L.		2009-10-27	
appd S. Ch. d. d. d.				2009-10-27		type Product Customer Drawing							
sheet index		revision sheet										Rev. C	



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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-2ST__LF	SEE ATTACHED DWG.	1500	UPPER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COTES 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 mm		product family 58RF		CODE JP	
ltr c		ecn no		dr		date		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STE5LF)		dwg no 10100522	
angles ±5°		linear		±5		scale X		type Product Customer Drawing		size A4	
dr H. YAMASHITA		engr H. YAMASHITA		chr S. W. W.		appd J. C. C.		sheet 7 of 9		Rev. c	
sheet index		revision sheet									

form: A4

1

2

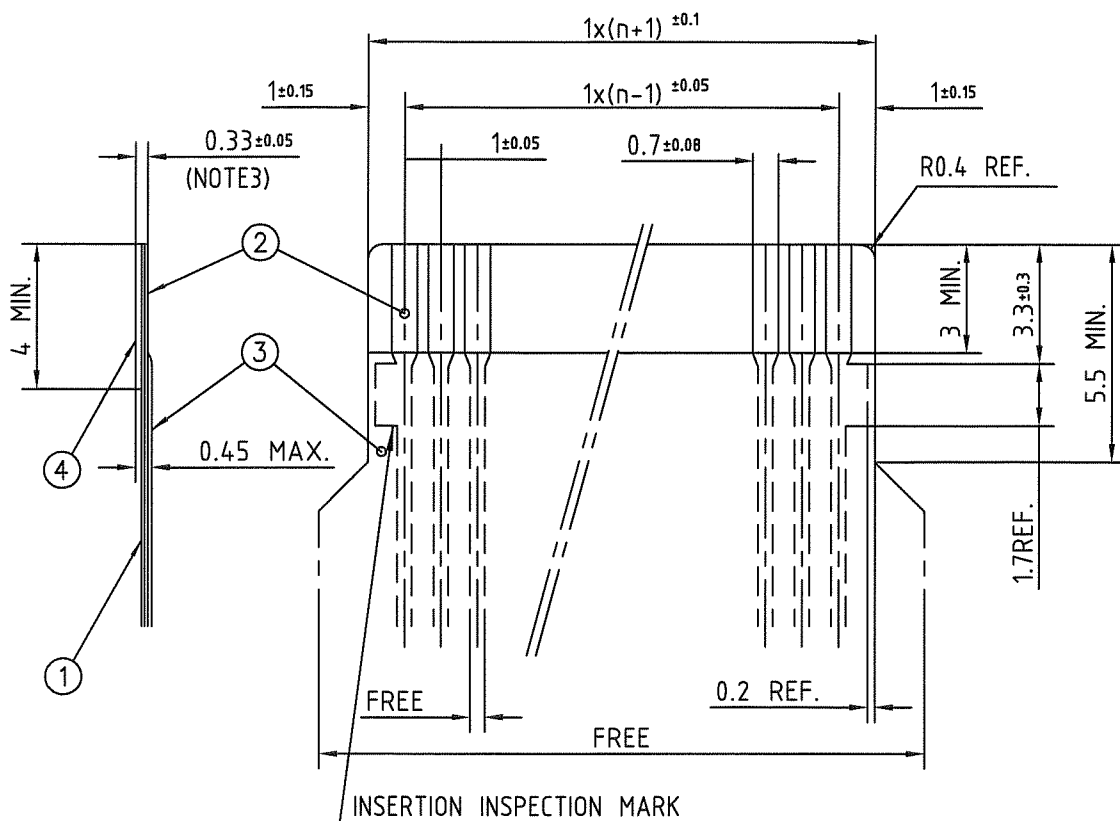
PDM: Rev:C

STATUS: Released

Printed: Nov 12, 2010

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:SOLDER 1um MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

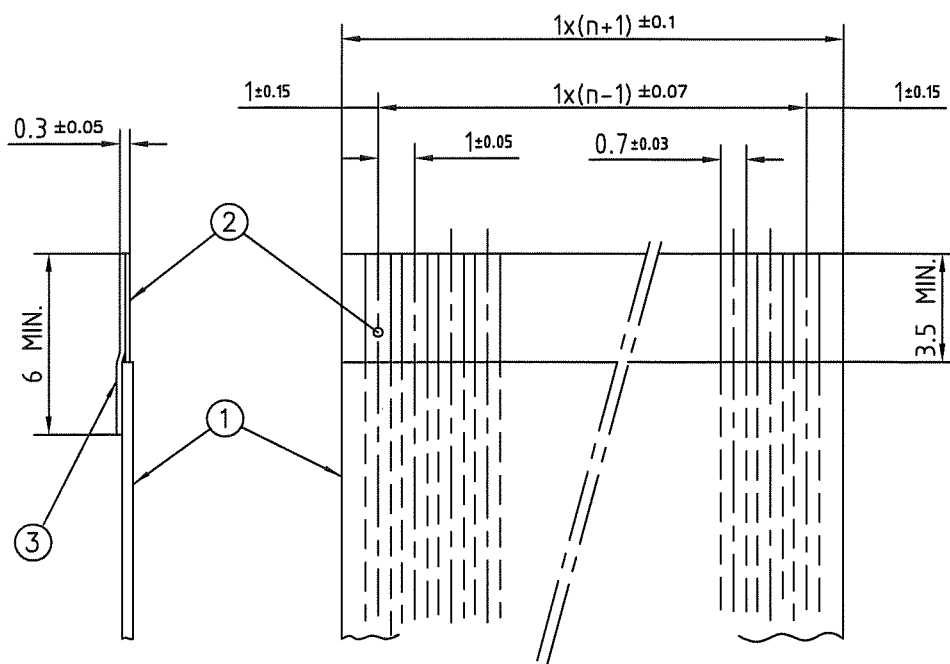
NOTES

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 58 / ISO 406 58 / ISO 1101 58		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-1/2__)			
				dr	M. YAMASHITA	2009-10-27	dwg no		sheet 8 of 9	size	
				enrg	M. YAMASHITA	2009-10-27	10100522				A4
				chr	S. K. K. K.	2009-10-27	type		Product Customer Drawing		
				appd	S. K. K. K.	2009-10-27					
sheet index	revision sheet										Rev. C

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.

mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title		RECOMMENDED CABLE	
c										(Cat. No. SFW__R-1/2__)			
				angles		linear		mm		scale		X	
				dr		M. YAMAGUCHI		2009-10-27		dwg no		sheet 9 of 9	
				enr		M. YAMAGUCHI		2009-10-27		10100522		size A4	
				chr		S. Nishikawa		2009-10-27		type		Product Customer Drawing	
				appd		P. Okada		2009-10-27					
sheet index		revision sheet										Rev. c	

Mouser Electronics

Authorized Distributor

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