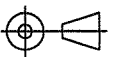
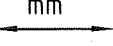


List of "SFW__R-3/4STE5LF" customer document

DOCUMENT NO.	LIST
10102592(SHEET1)	DOCUMENT LIST
10102592(SHEET2)	CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-3/4ST__LF)
10102592(SHEET3)	1mm SPACING SMT CONNECTOR (SFW__R-3ST__LF)
10102592(SHEET4)	1mm SPACING SMT CONNECTOR (SFW__R-4ST__LF)
10102592(SHEET5)	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STE5LF)
10102592(SHEET6)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STE5LF)
10102592(SHEET7)	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STE5LF)
10102592(SHEET8)	RECOMMENDED CABLE (FPC) (SFW__R-3/4ST__)
10102592(SHEET9)	RECOMMENDED CABLE (FFC) (SFW__R-3/4ST__)
SC-SFW11	PRODUCT SPECIFICATION
GS-20-130	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				mm 		title 1mm SPACING SMT CONNECTOR DOCUMENT LIST (Cat. No. : SFW__R-3/4STE5LF)					
A	S09-0194	DGOH	09-06-08	angles	linear										
B	J09-0380	M.Y	2009-10-27					scale $\times$		dwg no 10102592 sheet 1 of 9 size A4					
				dr <i>M. YAMASHITA</i> 2009-10-27						type Product Customer Drawing					
				enr <i>M. YAMASHITA</i> 2009-10-27											
				chr <i>P. W. H. K.</i> 2009-10-27											
				appd <i>J. D. L. J.</i> 2009-10-27											
sheet index	revision sheet	B	B	B	B	B	B	B	B	B	B	B	B	B	Rev. B

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-3/4ST__LF	9.8	8.6	3.0	3.92
5	SFW5R-3/4ST__LF	10.8	9.6	4.0	4.92
6	SFW6R-3/4ST__LF	11.8	10.6	5.0	5.92
7	SFW7R-3/4ST__LF	12.8	11.6	6.0	6.92
8	SFW8R-3/4ST__LF	13.8	12.6	7.0	7.92
9	SFW9R-3/4ST__LF	14.8	13.6	8.0	8.92
10	SFW10R-3/4ST__LF	15.8	14.6	9.0	9.92
11	SFW11R-3/4ST__LF	16.8	15.6	10.0	10.92
12	SFW12R-3/4ST__LF	17.8	16.6	11.0	11.92
13	SFW13R-3/4ST__LF	18.8	17.6	12.0	12.92
14	SFW14R-3/4ST__LF	19.8	18.6	13.0	13.92
15	SFW15R-3/4ST__LF	20.8	19.6	14.0	14.92
16	SFW16R-3/4ST__LF	21.8	20.6	15.0	15.92
17	SFW17R-3/4ST__LF	22.8	21.6	16.0	16.92
18	SFW18R-3/4ST__LF	23.8	22.6	17.0	17.92
19	SFW19R-3/4ST__LF	24.8	23.6	18.0	18.92
20	SFW20R-3/4ST__LF	25.8	24.6	19.0	19.92
21	SFW21R-3/4ST__LF	26.8	25.6	20.0	20.92
22	SFW22R-3/4ST__LF	27.8	26.6	21.0	21.92
23	SFW23R-3/4ST__LF	28.8	27.6	22.0	22.92
24	SFW24R-3/4ST__LF	29.8	28.6	23.0	23.92
25	SFW25R-3/4ST__LF	30.8	29.6	24.0	24.92
26	SFW26R-3/4ST__LF	31.8	30.6	25.0	25.92
27	SFW27R-3/4ST__LF	32.8	31.6	26.0	26.92
28	SFW28R-3/4ST__LF	33.8	32.6	27.0	27.92
29	SFW29R-3/4ST__LF	34.8	33.6	28.0	28.92
30	SFW30R-3/4ST__LF	35.8	34.6	29.0	29.92

CAT. NO. SFW (n) R - 3 ST __ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION
3. LOWER CONTACT TYPE
4. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

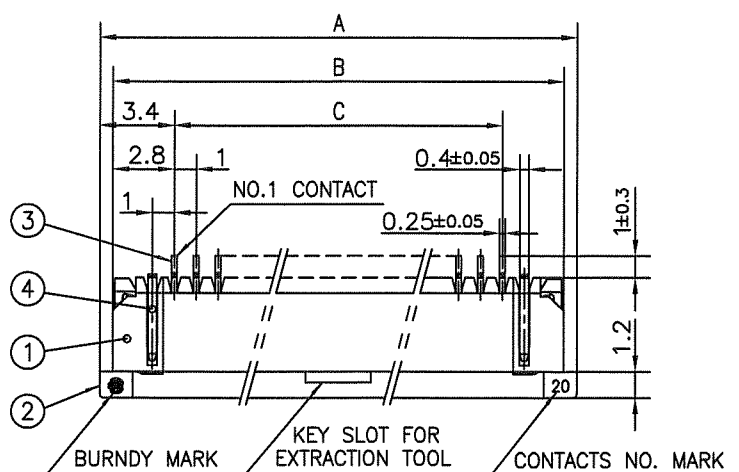
PACKAGE STYLE

LEAD FREE

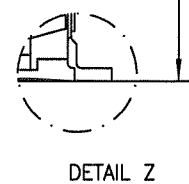
NOTES

- THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COTES WITH AUTOMATIC MOUNTING (SMT).
- SEE PART DRAWINGS FOR DIMENSIONS A~D.
- THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

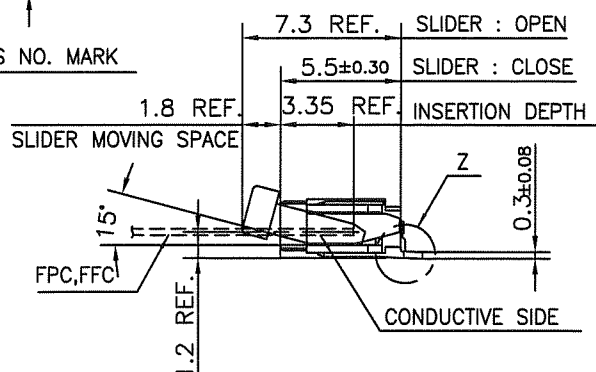
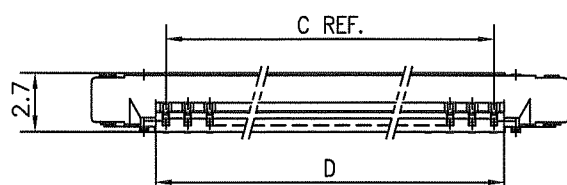
mat'l. code				surface 58 / ISO 1302		tolerance ISO 406 / ISO 1101		projection		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances, unless otherwise specified				mm		title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4ST__LF)			
B				angles	linear								
								scale X		dwg no		sheet 2 of 9	size
				dr	H.YAHARA		2009-10-27		FCI		10102592		A4
				enr	H.YAHARA		2009-10-27						
				chr	S. W. K.		2009-10-27						
				appd	S. W. K.		2009-10-27						
sheet index		revision sheet								type Product Customer Drawing		Rev. B	



0.1
(NOTE2)

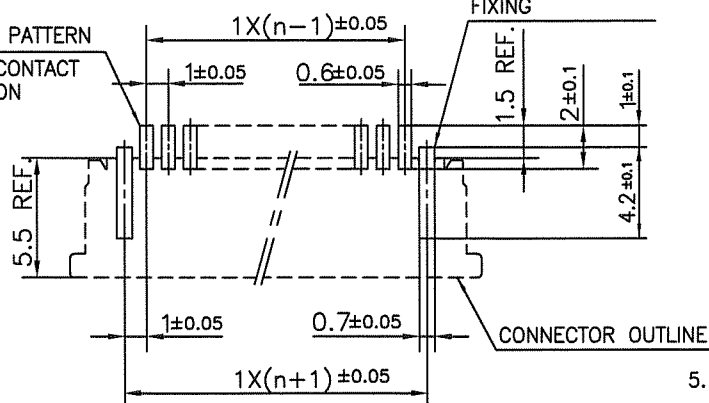


DETAIL Z



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

n : NO. OF CONTACTS

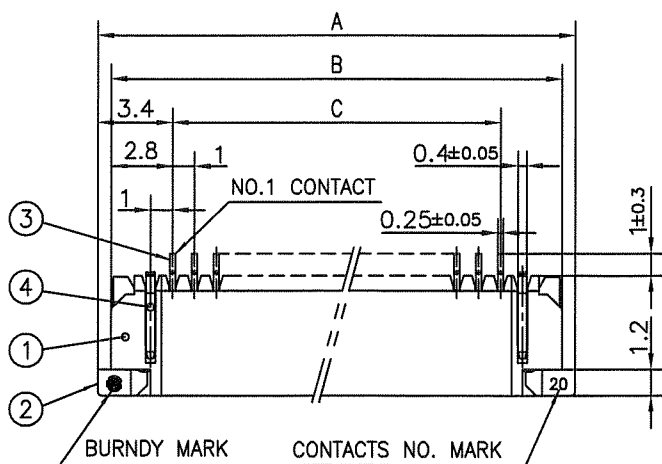
RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)BASIC PATTERN
NO.1 CONTACT
POSITION

NOTES

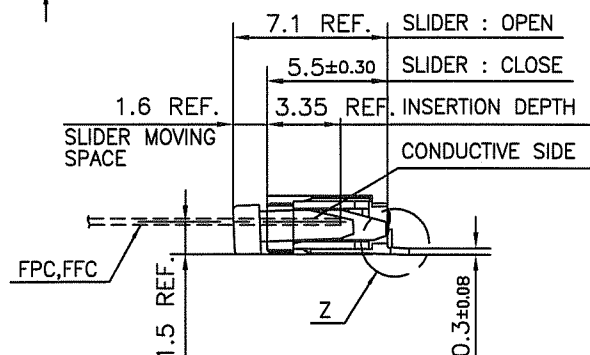
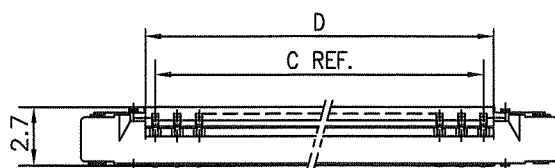
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES 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				mm		title			
B				angles linear ±0.2				mm		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3ST__LF)			
				dr		H. YAMAGUCHI		2008-10-27		dwg no		sheet 3 of 9	
				enr		H. YAMAGUCHI		2009-10-27		10102592		A4	
				chr		S. W. K.		2009-10-27		type		Product Customer Drawing	
				appd		P. D. L.		2009-10-27					
sheet index		revision sheet										Rev. B	



DETAIL Z

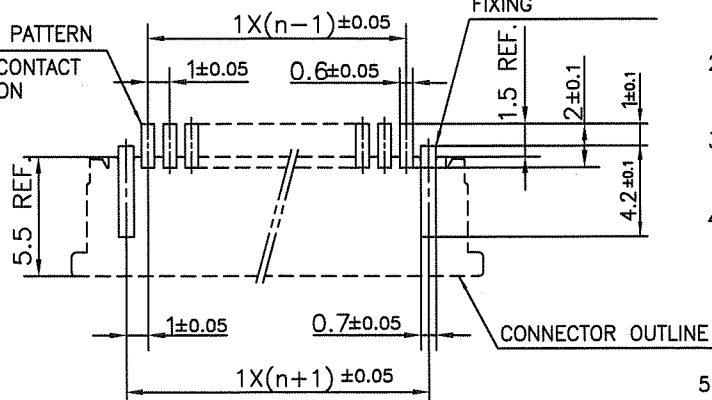


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER		1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

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/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 WITH CABLE LOCK MECHANISM.
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		title			
B										1mm SPACING SMT CONNECTOR			
										(Cat. No. SFW__R-4ST__LF)			
				angles		linear		mm					
								scale					
				dr		M. YAMASHITA		2009-10-27		dwg no		sheet 4 of 9	
				engr		M. YAMASHITA		2009-10-27		10102592		size A4	
				chr		B. Watanabe		2009-10-27		type		Product Customer Drawing	
				appd		S. Okada		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-3/4STE5LF	22.4	16	—
5	SFW5R-3/4STE5LF	30.4	24	—
6	SFW6R-3/4STE5LF	30.4	24	—
7	SFW7R-3/4STE5LF	30.4	24	—
8	SFW8R-3/4STE5LF	30.4	24	—
9	SFW9R-3/4STE5LF	30.4	24	—
10	SFW10R-3/4STE5LF	30.4	24	—
11	SFW11R-3/4STE5LF	30.4	24	—
12	SFW12R-3/4STE5LF	30.4	24	—
13	SFW13R-3/4STE5LF	38.4	32	28.4
14	SFW14R-3/4STE5LF	38.4	32	28.4
15	SFW15R-3/4STE5LF	38.4	32	28.4
16	SFW16R-3/4STE5LF	38.4	32	28.4
17	SFW17R-3/4STE5LF	50.4	44	40.4
18	SFW18R-3/4STE5LF	50.4	44	40.4
19	SFW19R-3/4STE5LF	50.4	44	40.4
20	SFW20R-3/4STE5LF	50.4	44	40.4
21	SFW21R-3/4STE5LF	50.4	44	40.4
22	SFW22R-3/4STE5LF	50.4	44	40.4
23	SFW23R-3/4STE5LF	50.4	44	40.4
24	SFW24R-3/4STE5LF	50.4	44	40.4
25	SFW25R-3/4STE5LF	50.4	44	40.4
26	SFW26R-3/4STE5LF	50.4	44	40.4
27	SFW27R-3/4STE5LF	50.4	44	40.4
28	SFW28R-3/4STE5LF	62.4	56	52.4
29	SFW29R-3/4STE5LF	62.4	56	52.4
30	SFW30R-3/4STE5LF	62.4	56	52.4

CAT. NO.

SFW (n) R - 3 ST E5 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3. LOWER CONTACT TYPE

4. UPPER CONTACT TYPE

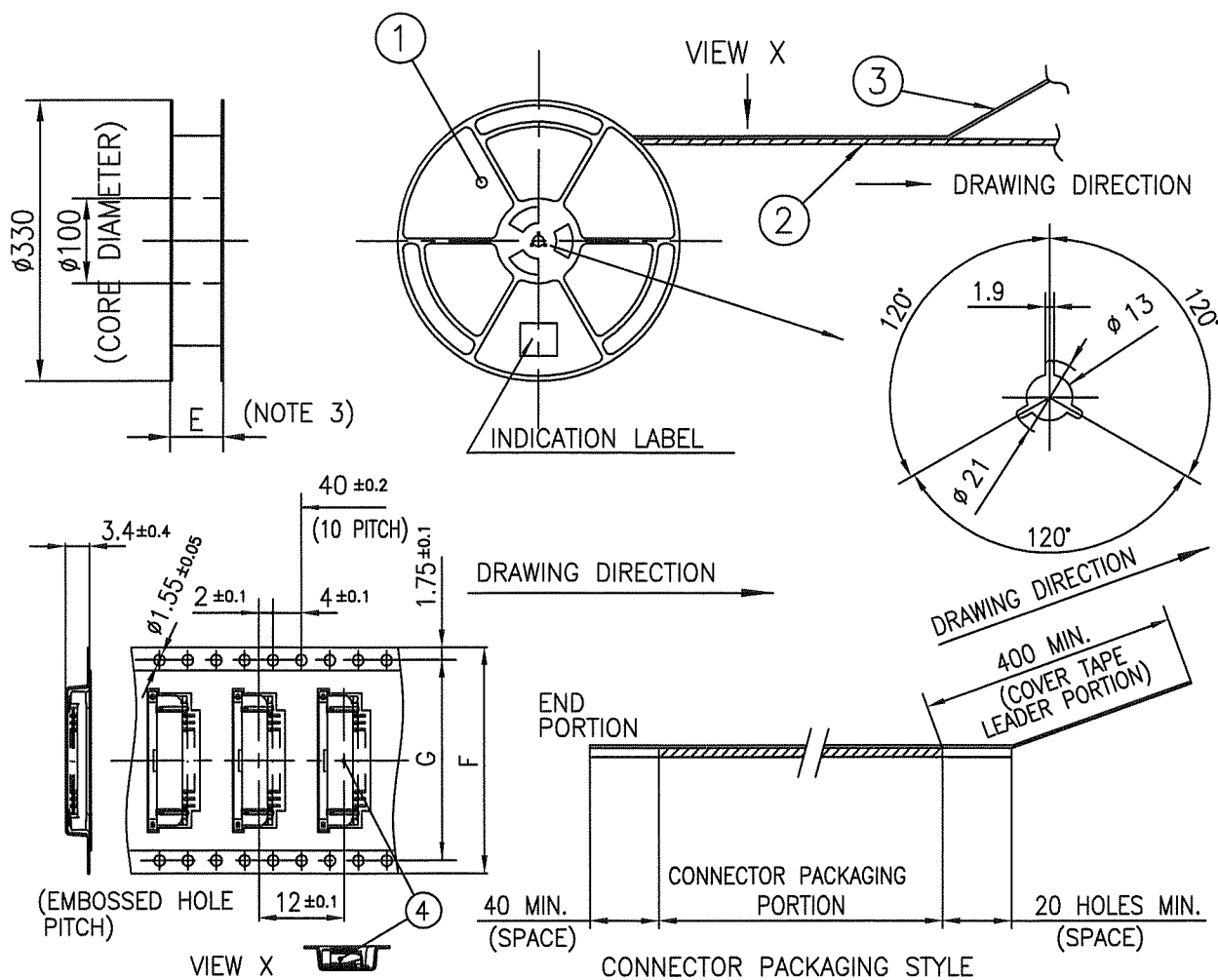
FOR AUTOMATIC MOUNTING
(SMT)TAPE PACKAGING FOR E5
(1500pcs PER REEL)

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.
4. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

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 CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STE5LF)			
B				angles	linear								
				dr	M.YAMASAKI	2009-10-27	FCI		dwg no		sheet 5 of 9	size	
				engr	M.YAMASAKI	2009-10-27			10102592		A4		
				chr	S. Withers	2009-10-27			type		Product Customer Drawing		
				appd	S. Oshida	2009-10-27							
sheet index	revision sheet												Rev. B

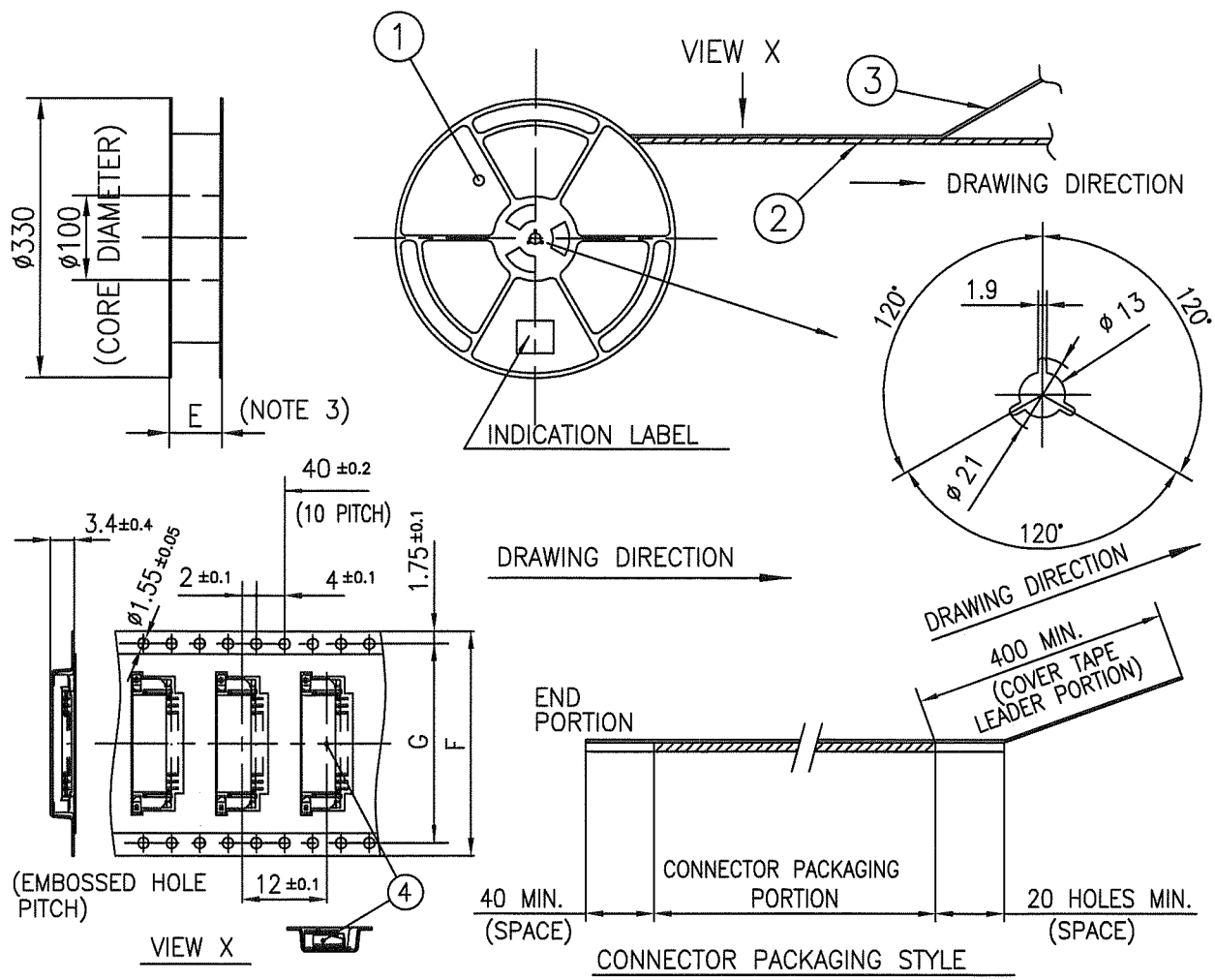


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE/BLACK
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR : TRANSPARENCY (CLEAR)
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFW__R-3ST__LF	SEE ATTACHED DWG.	1500	LOWER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM USED FOR FPC/FFC 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 mm		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3STE5LF)			
B													
				angles		linear		scale					
				±5°				X					
				dr		2009-10-27		FCI		dwg no		sheet 6 of 9	
				enr		2009-10-27				10102592		size A4	
				chr		2009-10-27							
				appd		2009-10-27							
sheet index		revision										Rev. B	
		sheet											

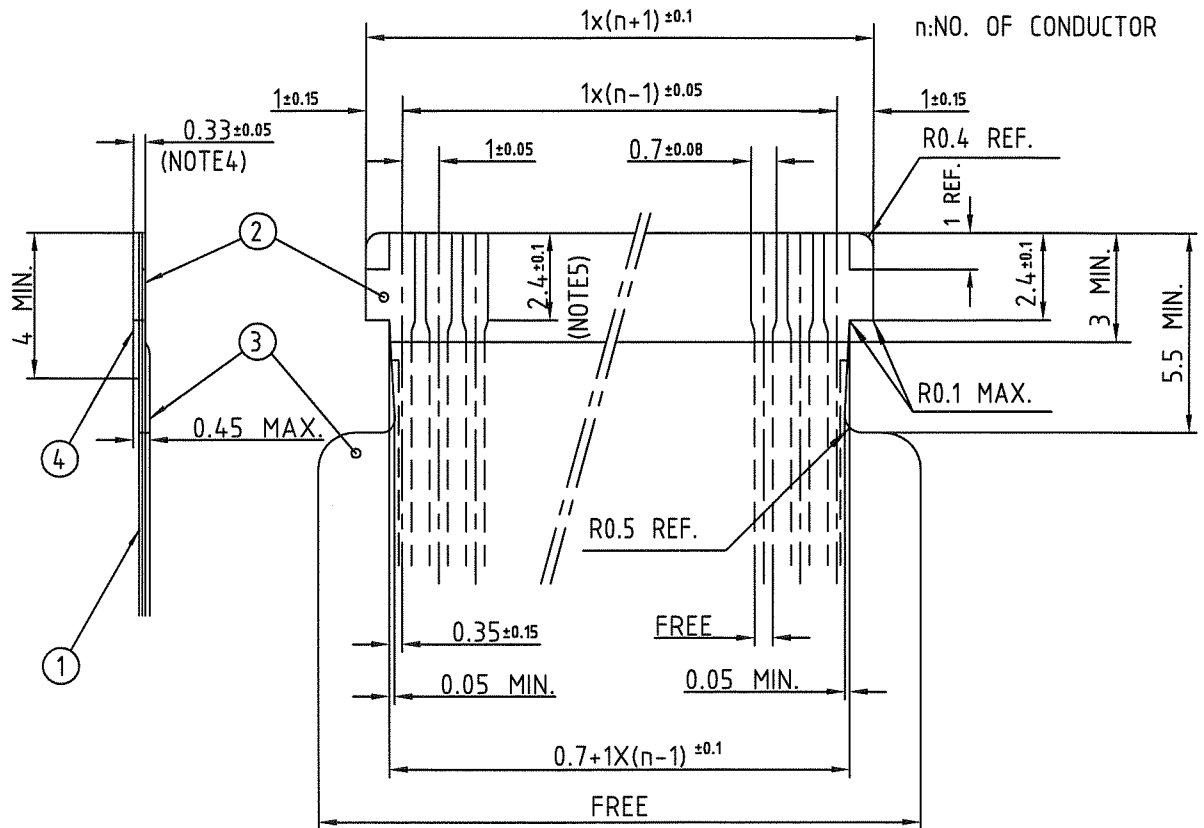


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE/BLACK
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR : TRANSPARENCY (CLEAR)
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFW__R-4ST__LF	SEE ATTACHED DWG.	1500	UPPER CONTACT TYPE

- NOTES
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM USED FOR FPC/FFC 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 B				ecn no		dr		date		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STE5LF)		dwg no 10102592	
angles				linear		±5		mm		scale X		sheet 7 of 9	
±5°												size A4	
dr				engr		chr		appd		FCCI		type Product Customer Drawing	
sheet index				revision sheet								Rev. B	

RECOMMENDED CABLE (FPC)

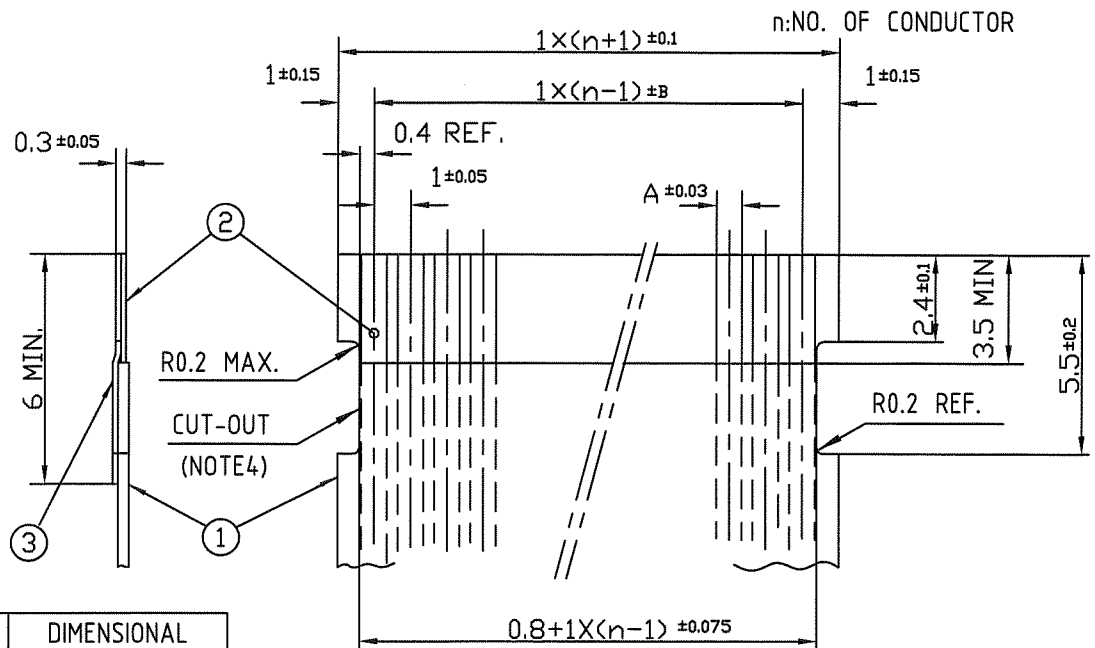


PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING : SOLDER 1um MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

- NOTES
1. THIS DRAWING INDICATES THE FPC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
 2. NO BURR AT EACH PORTION.
 3. NO PEELING IN COMMON USE.
 4. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
 5. THIS DIMENSION INDICATES THE RANGE FOR 0.7 ± 0.08 CONDUCTOR WIDTH.

mat'l. code				surface 58 ☒ tolerance ISO 1302 406 1101		projection		product family 58RF		CODE JP	
ltr B	ecn no	dr	date	tolerances unless otherwise specified		mm		title RECOMMENDED CABLE (Cat. No. SFW_R-3/4_)			
				angles	linear	scale X		dwg no 10102592 sheet 8 of 9 size A4			
				dr H.Y. MASHITA 2009-10-27	engr M.Y. MASHITA 2009-10-27	FCCI		type Product Customer Drawing			
				chr S. W. H. 2009-10-27	appd S. Chandra 2009-10-27			Rev. B			
sheet index		revision sheet									

RECOMMENDED CABLE (FFC)



KIND OF FFC (NOTE5)	DIMENSIONAL TOLERANCE	
	A	B
1	0.7	0.1
2	0.6	0.07

PT. NO.	PARTS NAME	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	
2	CONDUCTOR	COPPER FOIL	PLATING: TIN OR SOLDER 1μm MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL	

- NOTES
- THIS DRAWING INDICATES THE FFC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
 - NO BURR AT EACH PORTION.
 - NO PEELING IN COMMON USE.
 - THERE IS A POSSIBILITY THAT THE CUT-OUT CROSSES THE CONDUCTOR BECAUSE OF DIMENSIONAL TOLERANCE.
 - EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL TOLERANCE a AND b.

mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 58RF		CODE JP	
ltr B				ecn no		dr		date		title		RECOMMENDED CABLE (Cat. No. SFW_R-3/4_)	
				angles		linear		mm		scale X			
				dr		H. YAMAGUCHI		2009-10-27		dwg no		sheet 9 of 9	
				enr		H. YAMAGUCHI		2009-10-27		10102592		size A4	
				chr		S. Watanabe		2009-10-27		type		Product Customer Drawing	
				appd		J. Nakamura		2009-10-27					
sheet index		revision sheet										Rev. B	