

Configuration of Documents

P/N	Documents	No.	Title	CAT.No.
SFW_S-2ST(M)E9LF	Specification Connector dwg.	SC-SFWS03		
		JSA96516	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR	SFW_S-2ST_LF
		JSA96517	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR	SFW_S-2ST_LF
		JSA96518	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR	SFW_S-2STM_LF
		JSA97526	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	SFW_S-2ST_E9LF
	Cable dwg.	JSA97527	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	SFW_S-2ST_E9LF
		JS93340	RECOMMENDED CABLE	SFW_S-2ST_LF
		JS93341	RECOMMENDED CABLE	SFW_S-2ST_LF
	Manual	BJM-SFWS101		
SFW_S-6ST(M)E9LF	Specification Connector dwg.	SC-SFWS04		
		JSA96521	CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR	SFW_S-6ST_LF
		JSA96522	1mm SPACING SURFACE MOUNT CIC CONNECTOR	SFW_S-6ST_LF
		JSA96523	1mm SPACING SURFACE MOUNT CIC CONNECTOR	SFW_S-6STM_LF
		JSA97528	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	SFW_S-6ST_E9LF
	Cable dwg.	JSA97529	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	SFW_S-6ST_E9LF
		JS93904	RECOMMENDED CABLE	SFW_S-6ST_LF
		BJM-SFWS102		

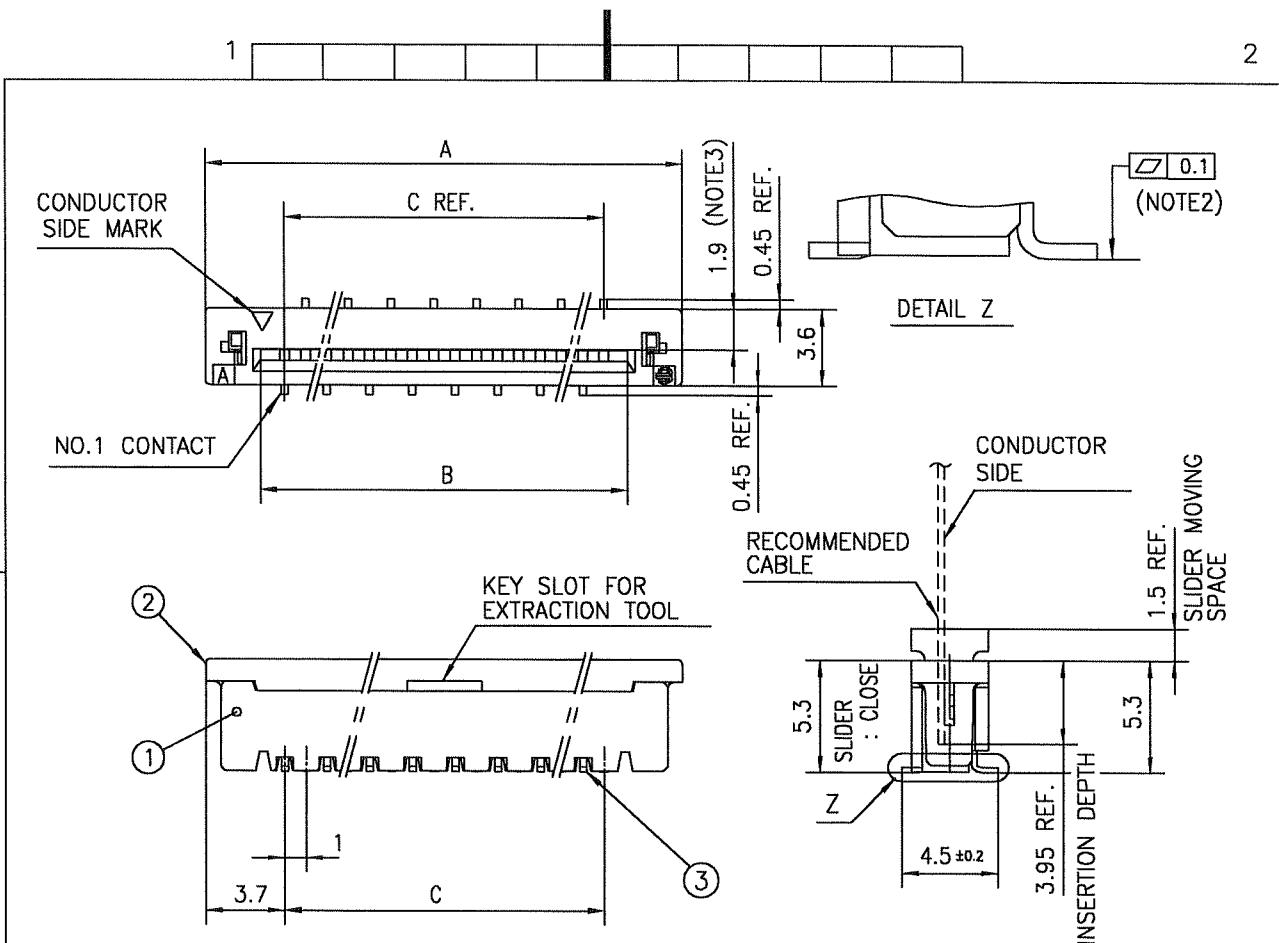
CAT. NO. & DIMENSIONS

NOTE3	NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)		
			A ±0.2	B ±0.2	C ±0.2
	4	SFW4S-2ST-LF	10.4	5.24	3
	5	SFW5S-2ST-LF	11.4	6.24	4
	6	SFW6S-2ST-LF	12.4	7.24	5
*	7	SFW7S-2ST-LF	13.4	8.24	6
	8	SFW8S-2ST-LF	14.4	9.24	7
*	9	SFW9S-2ST-LF	15.4	10.24	8
	10	SFW10S-2ST-LF	16.4	11.24	9
	11	SFW11S-2ST-LF	17.4	12.24	10
*	12	SFW12S-2ST-LF	18.4	13.24	11
	13	SFW13S-2ST-LF	19.4	14.24	12
	14	SFW14S-2ST-LF	20.4	15.24	13
	15	SFW15S-2ST-LF	21.4	16.24	14
	16	SFW16S-2ST-LF	22.4	17.24	15
	17	SFW17S-2ST-LF	23.4	18.24	16
*	18	SFW18S-2ST-LF	24.4	19.24	17
*	19	SFW19S-2ST-LF	25.4	20.24	18
	20	SFW20S-2ST-LF	26.4	21.24	19
*	21	SFW21S-2ST-LF	27.4	22.24	20
	22	SFW22S-2ST-LF	28.4	23.24	21
	23	SFW23S-2ST-LF	29.4	24.24	22
	24	SFW24S-2ST-LF	30.4	25.24	23
*	25	SFW25S-2ST-LF	31.4	26.24	24
	26	SFW26S-2ST-LF	32.4	27.24	25
*	27	SFW27S-2ST-LF	33.4	28.24	26
	28	SFW28S-2ST-LF	34.4	29.24	27
	29	SFW29S-2ST-LF	35.4	30.24	28
	30	SFW30S-2ST-LF	36.4	31.24	29
*	31	SFW31S-2ST-LF	37.4	32.24	30
*	32	SFW32S-2ST-LF	38.4	33.24	31

NOTES

1. THIS PRODUCT IS THE CONNECTOR, DESIGNED TO TERMINATE FPC/FFC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A.B.C.
3. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK

mat'l. code			surface 58 ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection	product family	58SF	CODE JP
litr			date		tolerances unless otherwise specified				
A			2005-6-22		angles		mm		
B			2005-8-30		linear		scale X		
C			2006-10-19						
D			2007-8-9		dr		dwg no		
					engr		sheet 1 of 1		
					chr		size		
					appd		JSA 96516		
sheet		revision	D						
index		sheet	1						



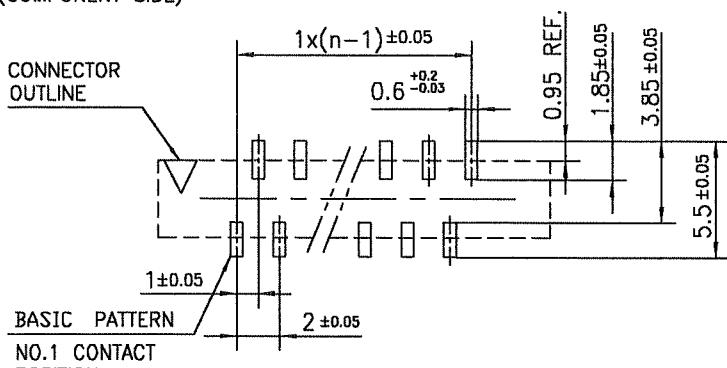
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	GLASS FILLED THERMOPLASTIC RATED. (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN Ni UNDER PLATED(LEAD FREE)

n : NO. OF CONTACTS

NOTES

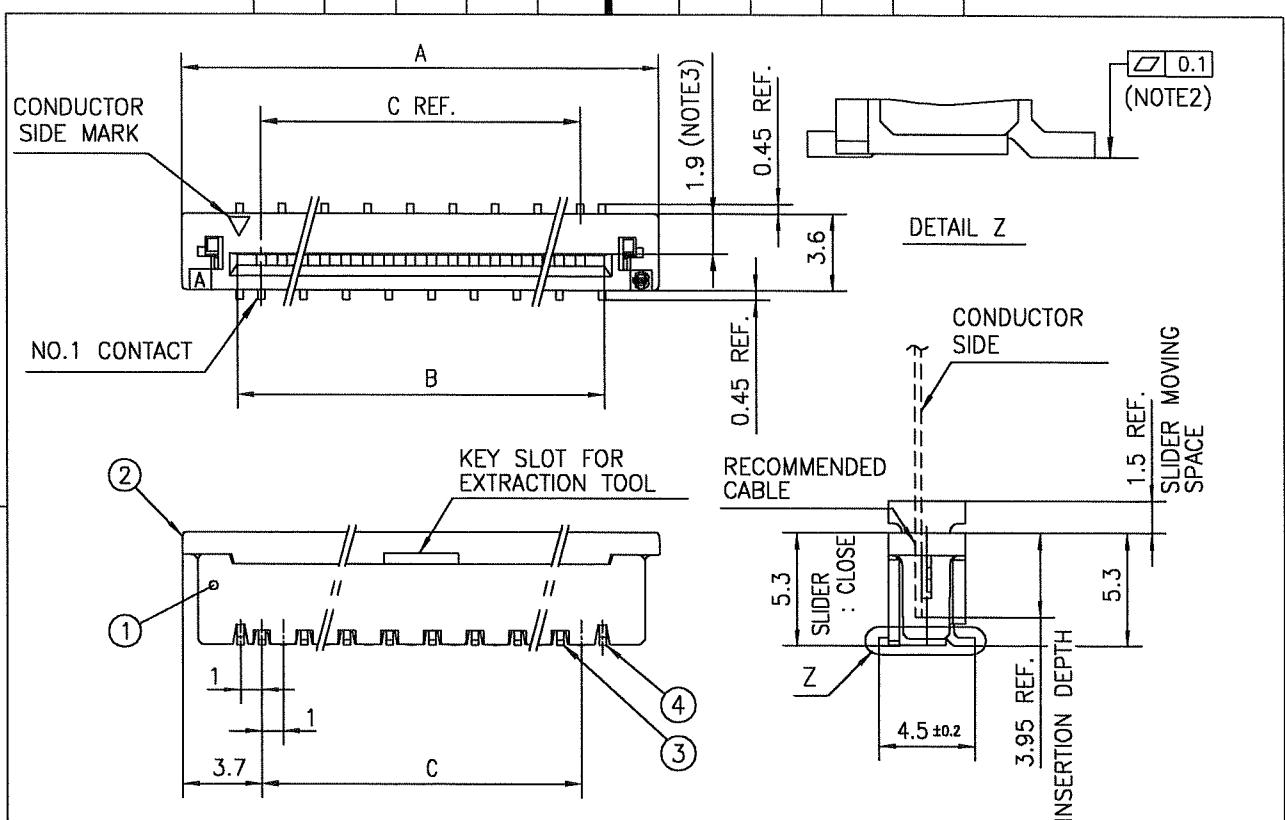
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS DIMENSION IS SPACE FOR THE NOZZLE OF MOUNTER.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER 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 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection	product family	58SF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (CAT.No.SFW__S-2ST__LF)	
A	J05-0377	H.T	6/22/05	angles	linear	±0.2	dwg no	sheet 1 of 1	size
B	J05-0731	H.T	10/28/05				JSA 96517		A4
C	J06-0430	H.T	10/19/06				type	Product Customer Drawing	
		dr					Rev.		
		engr							
		chr							
		appd							
sheet	revision	C							
index	sheet	1							

1 2



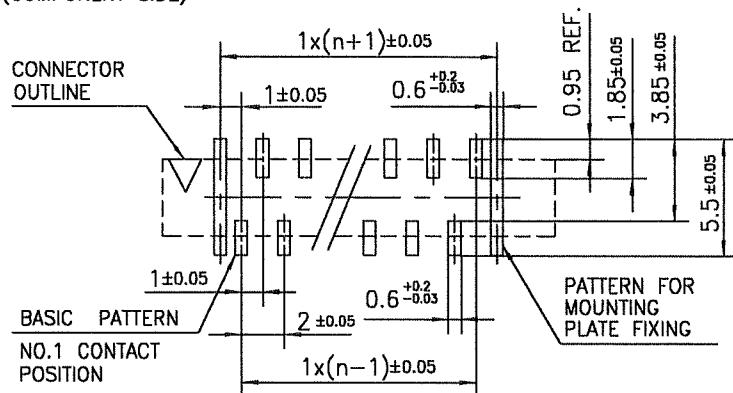
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	GLASS FILLED THERMOPLASTIC RATED. (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN Ni UNDER PLATED(LEAD FREE)
4	MOUNTING PLATE	BRASS	2	

n : NO. OF CONTACTS

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS DIMENSION IS SPACE FOR THE NOZZLE OF MOUNTER.
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.

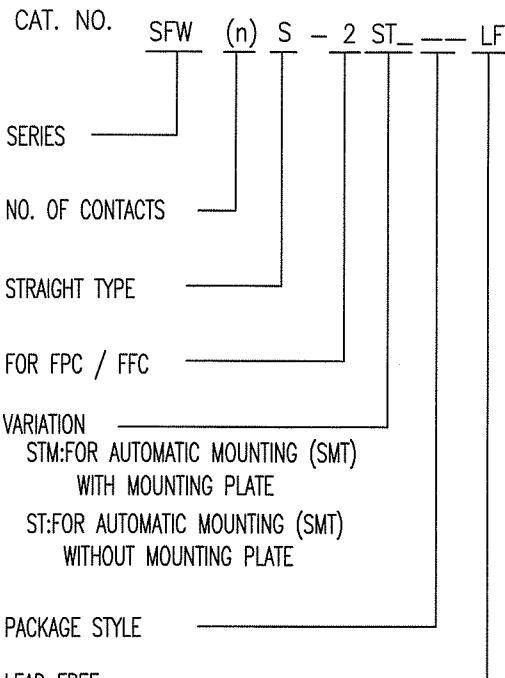
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RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



mat'l. code				surface 58 ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58SF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A	J05-0377	H.T	6/22/05	angles		±0.2	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (CAT.No.SFW_S-2STM_LF)		
B	J05-0731	H.T	10/28/05	linear		mm			
C	J06-0430	H.T	10/19/06			scale X			
		dr					dwg no		
		engr					sheet 1 of 1		
		chr					size		
		appd					A4		
sheet		revision	C						
index		sheet	1						

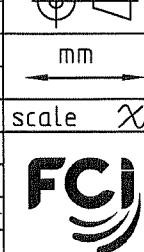
CAT. NO. & DIMENSIONS

(NOTE4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			D MAX.	E ± 0.3	F ± 0.1
	4	SFW4S-2ST_E9LF	30.4	24	—
	5	SFW5S-2ST_E9LF	30.4	24	—
	6	SFW6S-2ST_E9LF	30.4	24	—
*	7	SFW7S-2ST_E9LF	30.4	24	—
	8	SFW8S-2ST_E9LF	30.4	24	—
*	9	SFW9S-2ST_E9LF	30.4	24	—
	10	SFW10S-2ST_E9LF	30.4	24	—
	11	SFW11S-2ST_E9LF	30.4	24	—
*	12	SFW12S-2ST_E9LF	38.4	32	28.4
	13	SFW13S-2ST_E9LF	38.4	32	28.4
	14	SFW14S-2ST_E9LF	38.4	32	28.4
	15	SFW15S-2ST_E9LF	38.4	32	28.4
	16	SFW16S-2ST_E9LF	50.4	44	40.4
	17	SFW17S-2ST_E9LF	50.4	44	40.4
*	18	SFW18S-2ST_E9LF	50.4	44	40.4
*	19	SFW19S-2ST_E9LF	50.4	44	40.4
	20	SFW20S-2ST_E9LF	50.4	44	40.4
*	21	SFW21S-2ST_E9LF	50.4	44	40.4
	22	SFW22S-2ST_E9LF	50.4	44	40.4
	23	SFW23S-2ST_E9LF	50.4	44	40.4
	24	SFW24S-2ST_E9LF	50.4	44	40.4
*	25	SFW25S-2ST_E9LF	50.4	44	40.4
	26	SFW26S-2ST_E9LF	50.4	44	40.4
*	27	SFW27S-2ST_E9LF	62.4	56	52.4
	28	SFW28S-2ST_E9LF	62.4	56	52.4
	29	SFW29S-2ST_E9LF	62.4	56	52.4
	30	SFW30S-2ST_E9LF	62.4	56	52.4
*	31	SFW31S-2ST_E9LF	62.4	56	52.4
*	32	SFW32S-2ST_E9LF	62.4	56	52.4

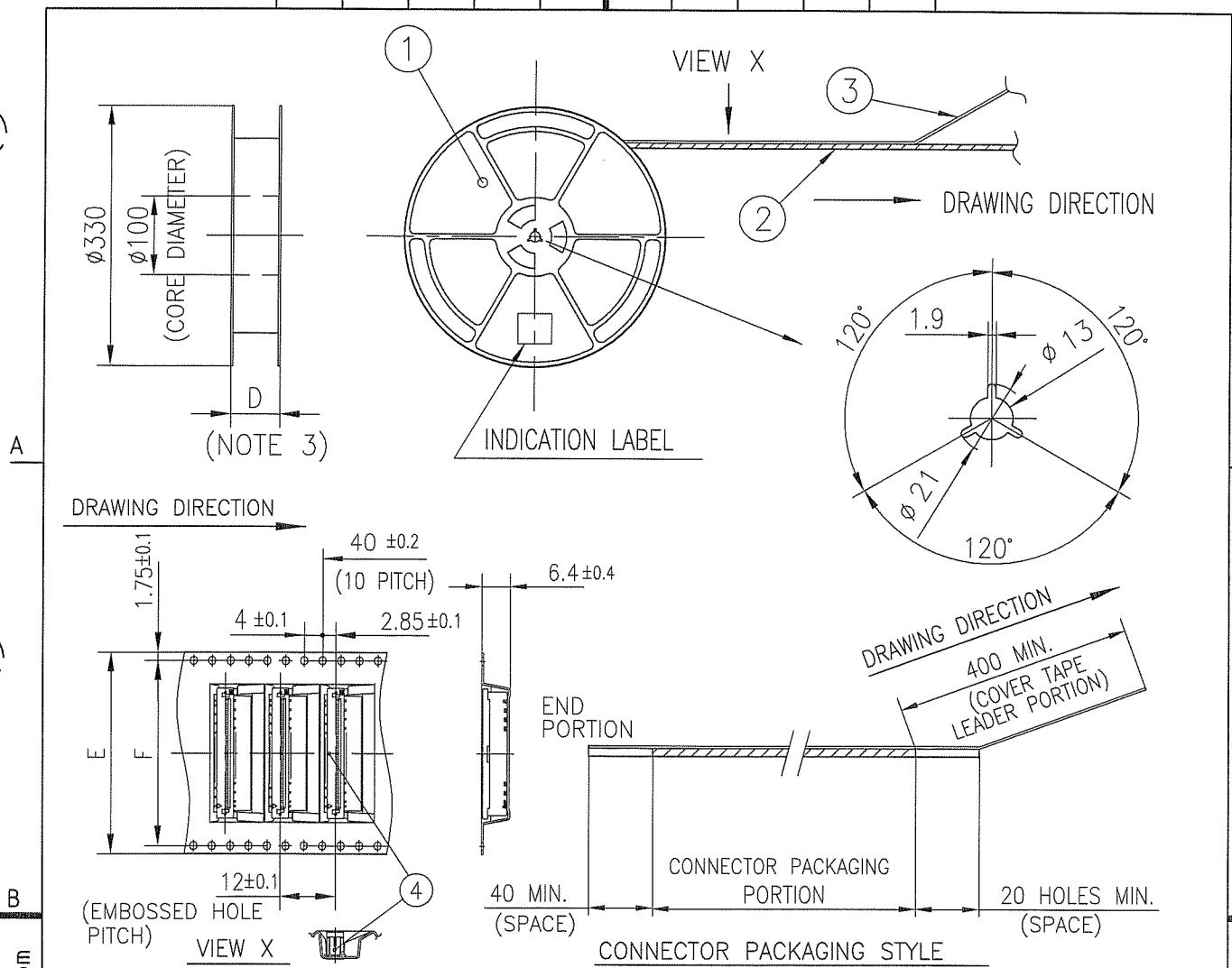


NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS D~F.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.



mat'l. code			surface 58 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection	product family	58SF	CODE JP
ltr	ecn no	dr	date		tolerances unless otherwise specified			mm	title	CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.SFW__S-2ST_E9LF)
A	J09-0202	M.Y	2009-5-25		angles	linear				
							scale			
			dr	M.YAHASICIA		2009-5-25		dwg no	sheet 1 of 1	size
			engr	M.YAHASICIA		2009-5-25		JSA 97526		A4
			chr	S. Muthu		2009-5-25				
			appd	S. Muthu		2009-5-25				
sheet	revision	A								Rev.
index	sheet	1								A



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSSED) TAPE	_____	PET	—	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	—	COLOR : TRANSPARENCY
4	CONNECTOR	SFW__S-2ST_LF	SEE ATTACHED DWG.	500	_____

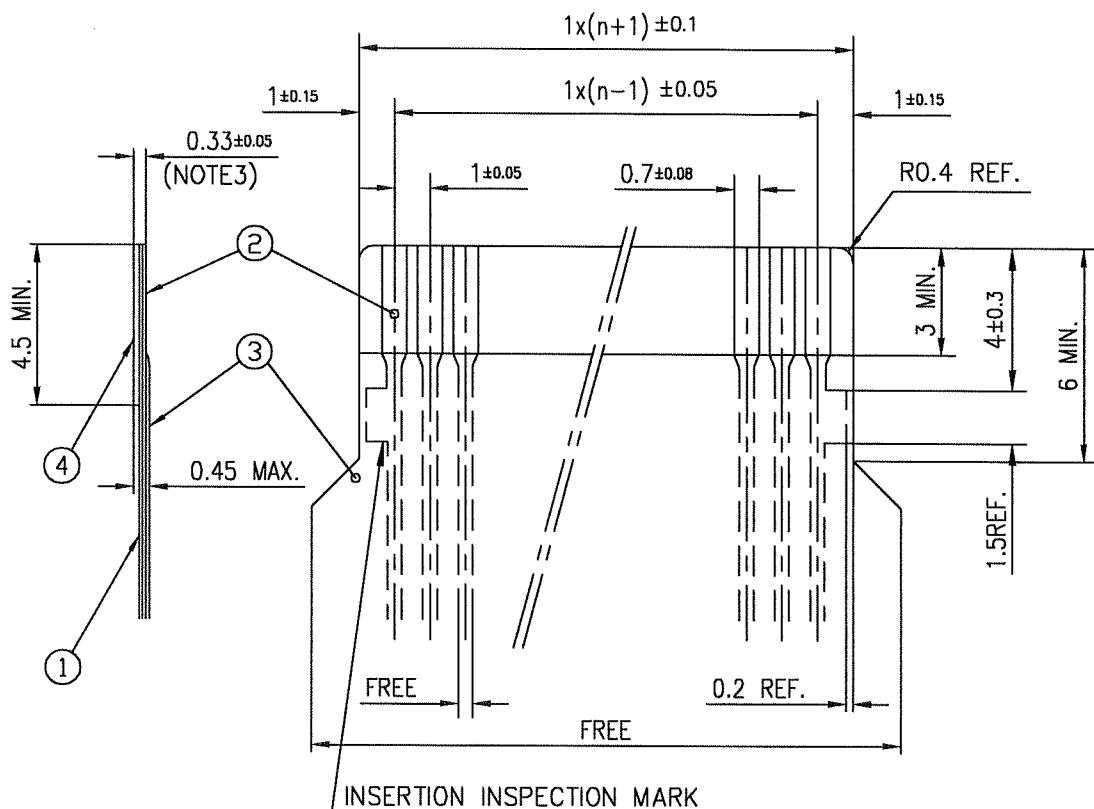
NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPIES 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 (EMBOSSED) TAPE AND REEL.
3. F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface	tolerance	projection	product family	CODE		
				ISO 1302	ISO 406 ISO 1101		58SF	JP		
Ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
A	J09-0202	M.Y	2009-5-25	angles	±5	mm	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__S-2ST_E9LF)			
				linear		scale	dwg no			
				±5°			sheet 1 of 1			
				dr	M.YAMADA	2009-5-25	size			
				engr	M.YAMADA	2009-5-25	A4			
				chr	S.Morita	2009-5-25				
				appd	J.Dickason	2009-5-25				
sheet		revision	A							
index		sheet	1							

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



A

A

B

B

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

NOTES

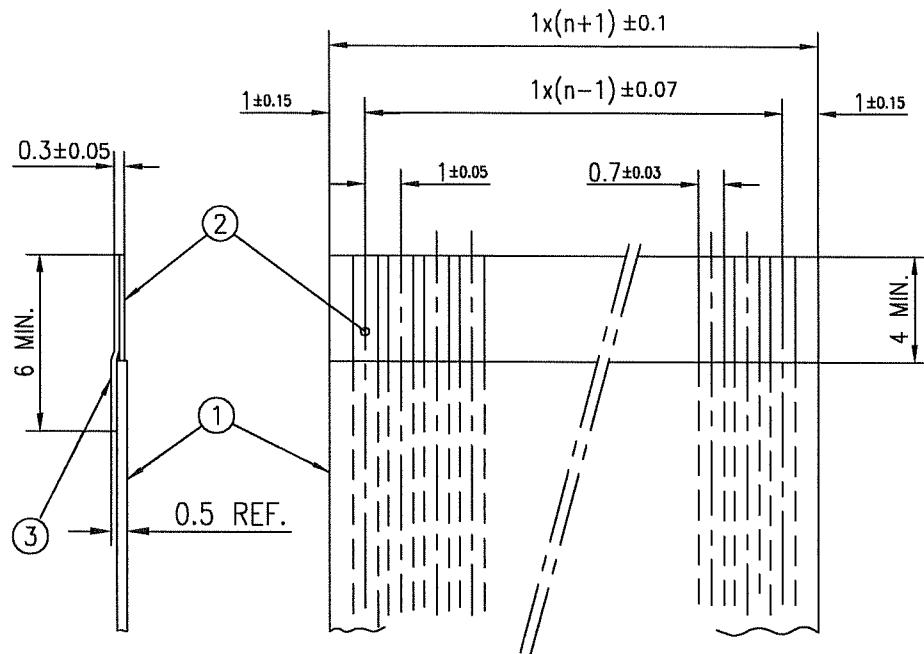
1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.

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mat'l. code				surface 58 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection	product family	58SF	CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	RECOMMENDED CABLE (CAT.No.SFW__S-2ST___)			
AA	J04-0333	H.T	0x.13.04	angles		linear					
AB	J06-0430	H.T	10/19/06				scale \times				
				dr	1/1/06	10/19/06		dwg no			
				engr	1/1/06	10/19/06		sheet 1 of 1			
				chr	2. Show	10/19/06		size			
				appd	S. Undam	10/20/06		JSA 93340			
sheet		revision	AB								
index		sheet	1								

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTORS



A

A

B

B

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PT. NO.	DESCRIPTION	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT	_____
2	CONDUCTOR	COPPER FOIL	PLATING: TIN OR SOLDER 1 μ m MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT	_____

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.

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mat'l. code				surface 58 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection	product family	58SF	CODE JP			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	RECOMMENDED CABLE (CAT.No.SFW__S-2ST____)				
AA	J04-0333	H.T	Oct.13.'04	angles		linear						
AB	J06-0430	H.T	10/19/'06									
				dr	<i>10/19/06</i>		mm					
				engr	<i>10/19/06</i>							
				chr	<i>R. Shouye</i>		scale X					
				appd	<i>P. Nudan</i>	10/20/06						
sheet	revision	AB										
index	sheet	1										



dwg no sheet 1 of 1 size
JSA 93341 A4

type Product Customer Drawing

Rev.
AB