

LIST

DOCUMENT NO.	LIST
SC-SFW12	SPEC.
JSA95866	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-5/6ST__LF)
JSA95867	1mm SPACING SMT CONNECTOR (SFW__R-5ST__LF)
JSA95868	1mm SPACING SMT CONNECTOR (SFW__R-6ST__LF)
JSA95869	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-5/6STE1LF)
JSA95870	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-5STE1LF)
JSA95871	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-6STE1LF)
JSA91675	RECOMMENDED CABLE (CIC) (SFW__R-5/6ST__)

[illegible]

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

CAT. NO.

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR CIC, CONTACT DIRECTION

5. LOWER CONTACT TYPE

6. UPPER CONTACT TYPE

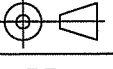
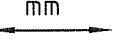
FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

LEAD FREE

NOTES

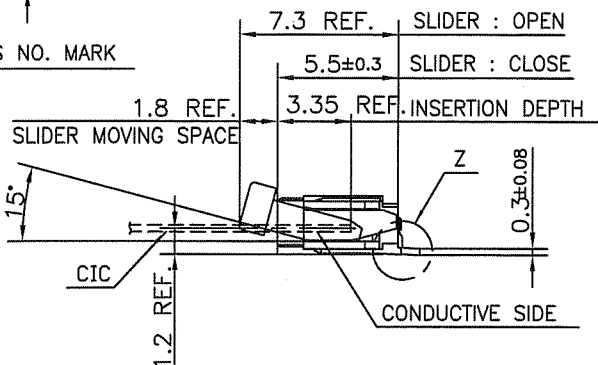
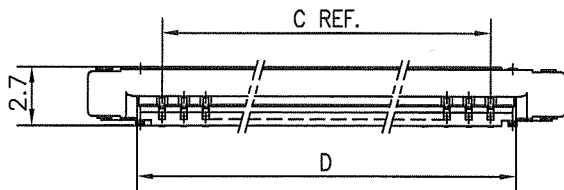
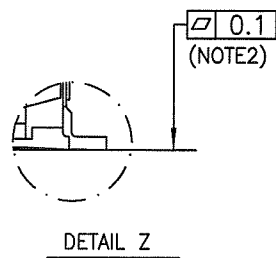
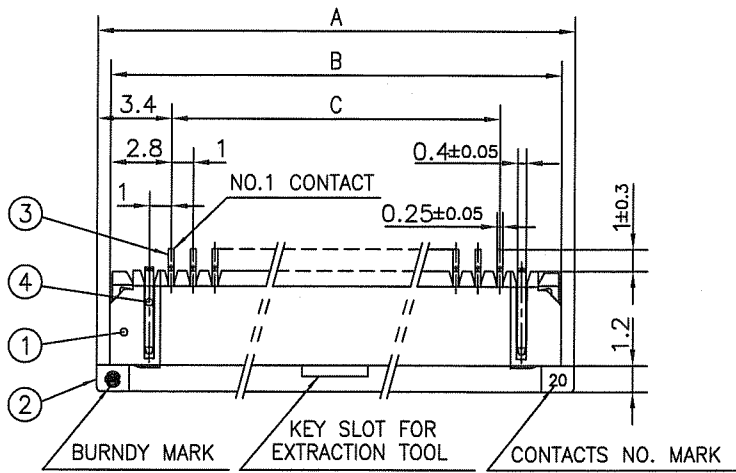
1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

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				title CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (CAT.NO. SFW__R-5/6ST__LF)				
AA	J05-0055	H.T.	2/4/'05	angles	linear	mm						
AB	J06-0398	H.T.	9/26/'06			scale $\times$						
AC	J09-0363	M.Y	2009-10-8									
				dr	H.YAMAGUCHI 2008-10-8				dwg no		sheet 1 of 1	size
				enrg	H.YAMAGUCHI 2008-10-8				JSA 95866		A4	
				chr	S. W. H. 2009-10-8							
				appd	S. O. H. 2009-10-8							
sheet index		revision	AC									Rev. AC

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

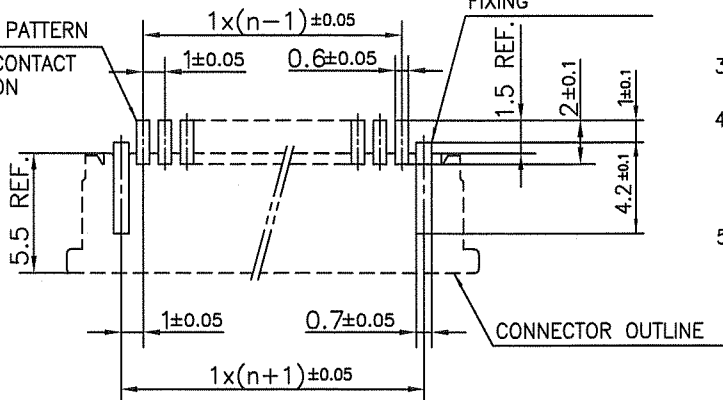
n : NO. OF CONTACTS

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC 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.

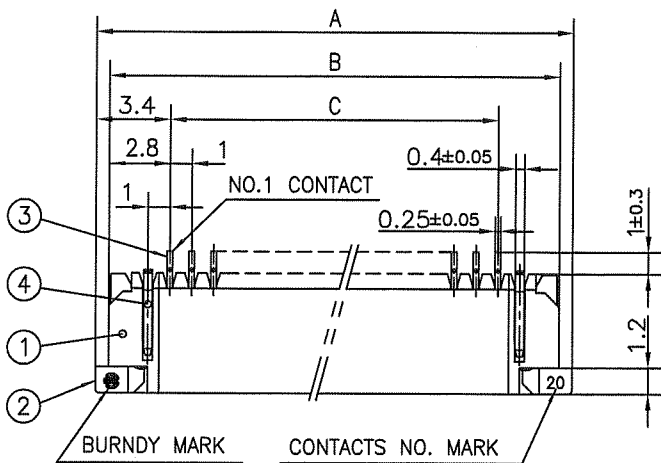
RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN
NO.1 CONTACT
POSITION

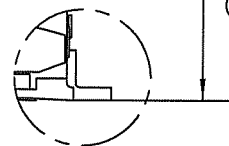


mat'l. code				surface 58 / tolerance ISO 1302		tolerance ISO 406 / ISO 1101		projection		product family 58RF		CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		±0.2		mm		title		
AA	J04-0180	H.T	7/2/'04	angles		linear		scale X		1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-5ST__LF)		
AB	J05-0055	H.T	2/4/'05									
AC	J05-0736	H.T	10/28/'05									
AD	J06-0398	H.T	9/26/'06	dr	M. YAMASHITA		2009-10-8			dwg no	sheet 1 of 1	size
AE	J09-0363	M.Y	2009-10-8	enr	M. YAMASHITA		2009-10-8			JSA 95867		
				chr	S. WILKINSON		2009-10-8					
				appd	S. Anderson		2009-10-8					
sheet index	revision	AE								type Product Customer Drawing		
	sheet	1										Rev. AE

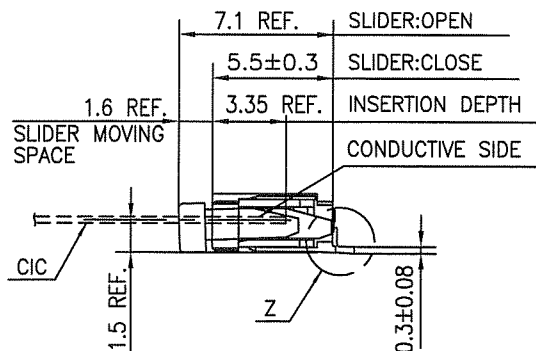
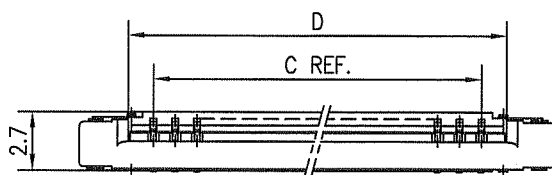
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0.1
(NOTE2)



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:BEIGE
3	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN
4	MOUNTING PLATE		2	

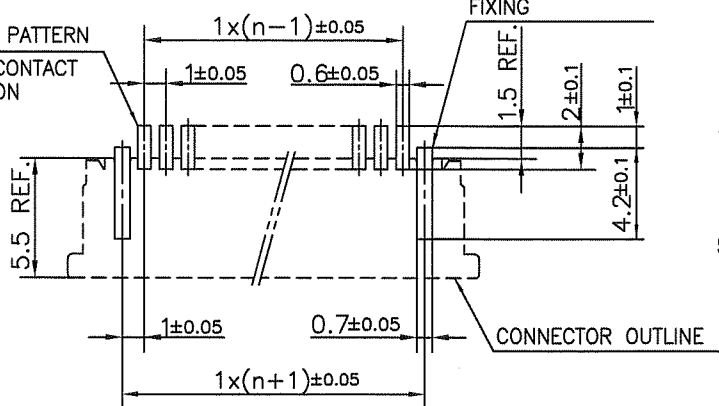
n : NO. OF CONTACTS

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC 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 DISCRIBED 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



mat'l. code				surface 58	tolerance ISO 1302	projection	product family 58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified	ISO 406	mm	title 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-6ST__LF)	
AA	J04-0180	H.T	7/2/'04	angles	ISO 1101			
AB	J05-0055	H.T	2/4/'05	linear	±0.2	scale	dwg no sheet 1 of 1 size JSA 95868 A4	
AC	J05-0736	H.T	10/28/'05					
AD	J06-0398	H.T	9/26/'06	dr	M.YAMASHITA	2009-10-8	type Product Customer Drawing	
AE	J09-0363	M.Y	2009-10-8	enr	M.YAMASHITA	2009-10-8		
				chr	S. H. H. H.	2009-10-8	Rev. AE	
				appd	S. H. H. H.	2009-10-8		
sheet index	revision	AE	1					

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CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-5/6STE1LF	20.4	16	—
5	SFW5R-5/6STE1LF	28.4	24	—
6	SFW6R-5/6STE1LF	28.4	24	—
7	SFW7R-5/6STE1LF	28.4	24	—
8	SFW8R-5/6STE1LF	28.4	24	—
9	SFW9R-5/6STE1LF	28.4	24	—
10	SFW10R-5/6STE1LF	28.4	24	—
11	SFW11R-5/6STE1LF	28.4	24	—
12	SFW12R-5/6STE1LF	28.4	24	—
13	SFW13R-5/6STE1LF	36.4	32	28.4
14	SFW14R-5/6STE1LF	36.4	32	28.4
15	SFW15R-5/6STE1LF	36.4	32	28.4
16	SFW16R-5/6STE1LF	36.4	32	28.4
17	SFW17R-5/6STE1LF	48.4	44	40.4
18	SFW18R-5/6STE1LF	48.4	44	40.4
19	SFW19R-5/6STE1LF	48.4	44	40.4
20	SFW20R-5/6STE1LF	48.4	44	40.4
21	SFW21R-5/6STE1LF	48.4	44	40.4
22	SFW22R-5/6STE1LF	48.4	44	40.4
23	SFW23R-5/6STE1LF	48.4	44	40.4
24	SFW24R-5/6STE1LF	48.4	44	40.4
25	SFW25R-5/6STE1LF	48.4	44	40.4
26	SFW26R-5/6STE1LF	48.4	44	40.4
27	SFW27R-5/6STE1LF	48.4	44	40.4
28	SFW28R-5/6STE1LF	60.4	56	52.4
29	SFW29R-5/6STE1LF	60.4	56	52.4
30	SFW30R-5/6STE1LF	60.4	56	52.4

CAT. NO.

SFW (n) R - 5 ST E1 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR CIC CONTACT DIRECTION

5. LOWER CONTACT TYPE

6. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

NOTES

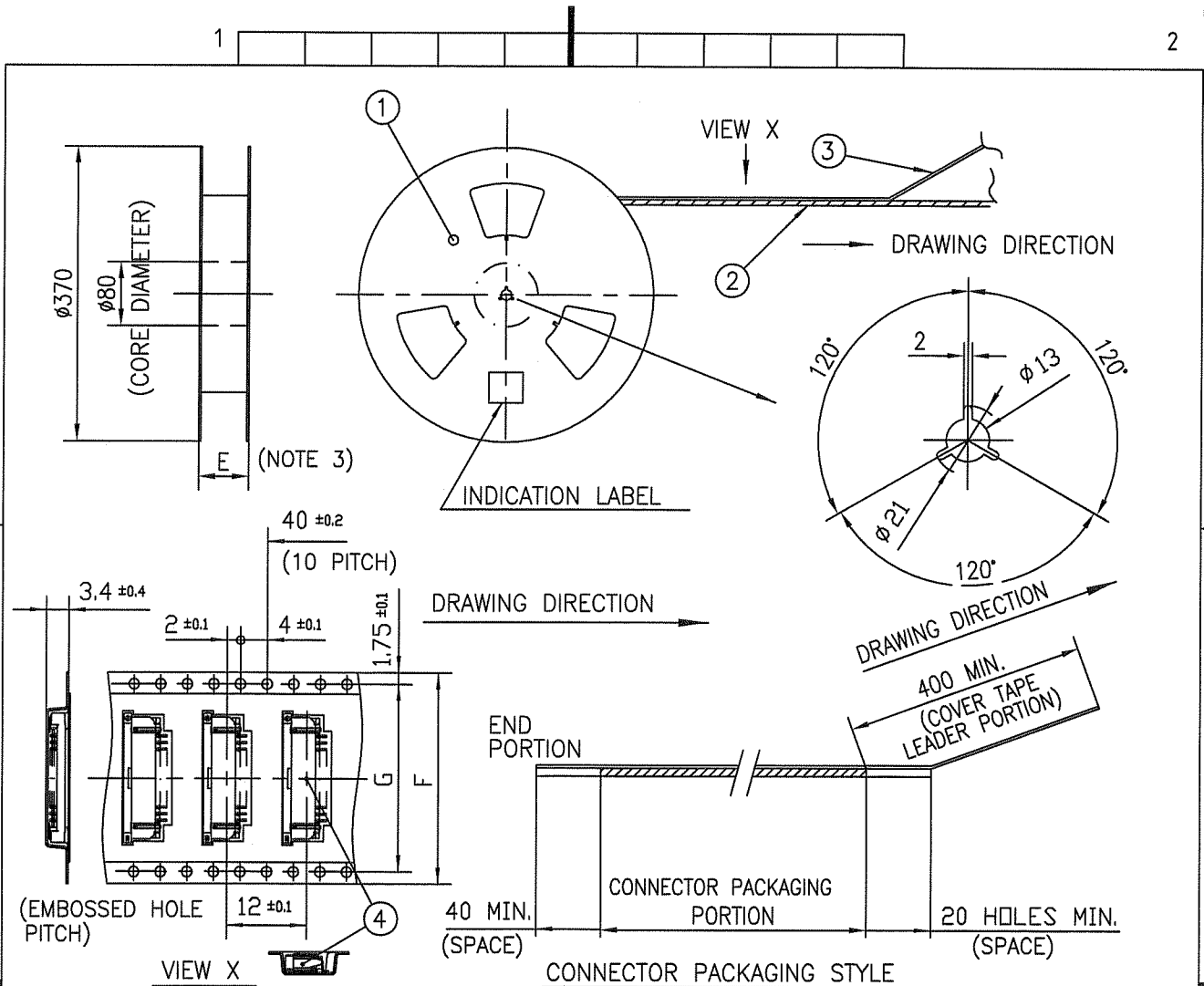
1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.

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-5/6STE1LF)			
AA	J05-0055	H.T.	2/4/05	angles	linear	scale $\times$		dwg no sheet 1 of 1 size			
AB	J06-0398	H.T.	9/26/06					JSA 95869 A4			
AC	J09-0363	M.Y	2009-10-8					type Product Customer Drawing			
sheet index		revision	AC							Rev. AC	

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2



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-5ST__LF	SEE ATTACHED DWG	2000	LOWER CONTACT TYPE

NOTES

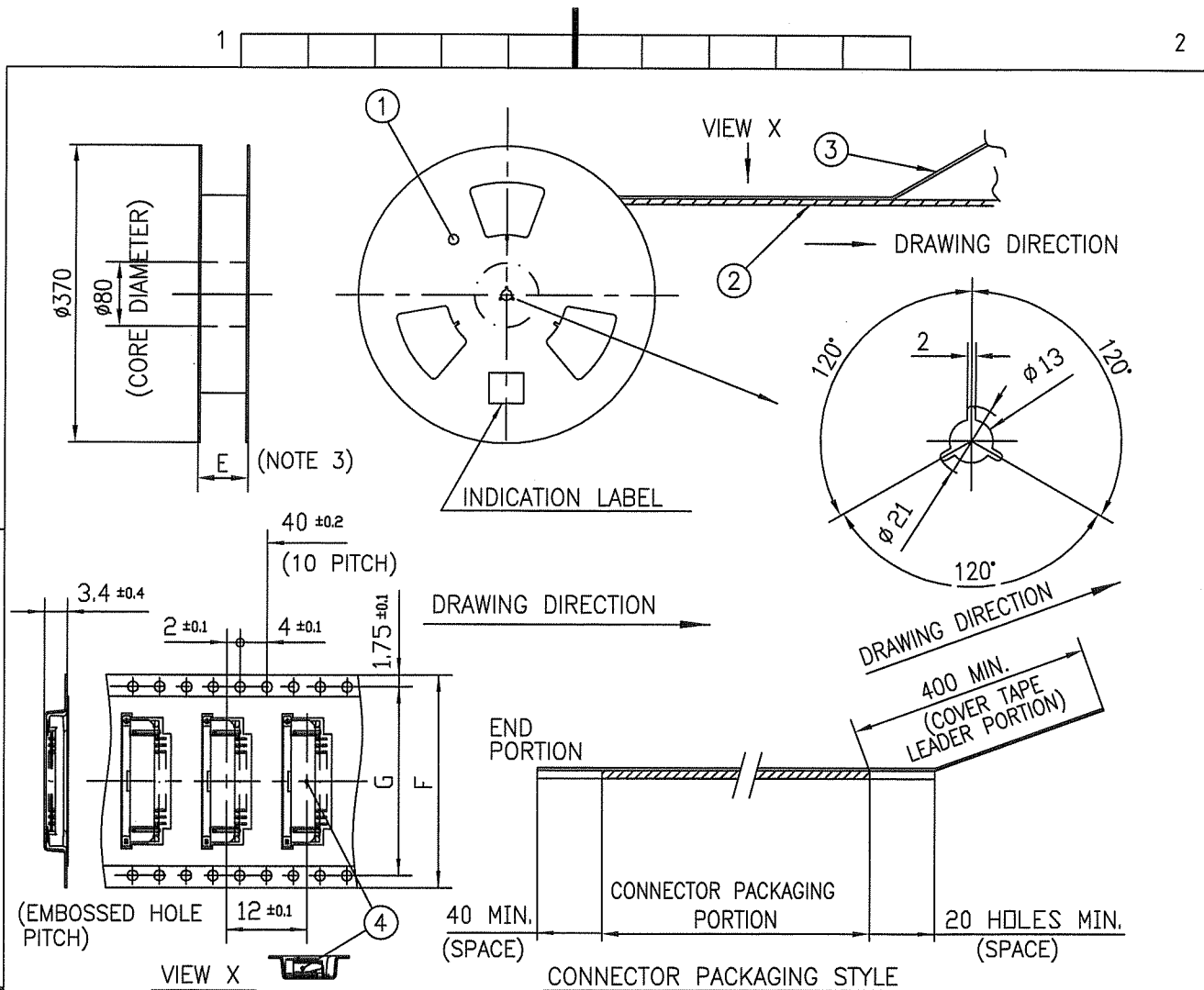
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface	tolerance	projection	product family	CODE
				ISO 1302	ISO 406	ISO 1101	58RF	JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title	
AA	J05-0055	H.T.	2/4/05	angles	linear	mm	PLASTIC TAPE PACKAGED	
AB	J06-0398	H.T.	9/26/06	±5°			1mm SPACING SMT CONNECTOR	
AC	J09-0363	M.Y.	2009-10-8	±5°		scale	(CAT. NO. SFW__R-5STE1LF)	
				dr	H.YAMASHITA	2009-10-8	dwg no	
				enr	H.YAMASHITA	2009-10-8	sheet 1 of 1	
				chr	S. Nishida	2009-10-8	JSA 95870	
				appd	S. Nishida	2009-10-8	type Product Customer Drawing	
sheet index	revision	AC						Rev.
	sheet	1						AC

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2



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-6ST__LF	SEE ATTACHED DWG	2000	UPPER CONTACT TYPE

NOTES

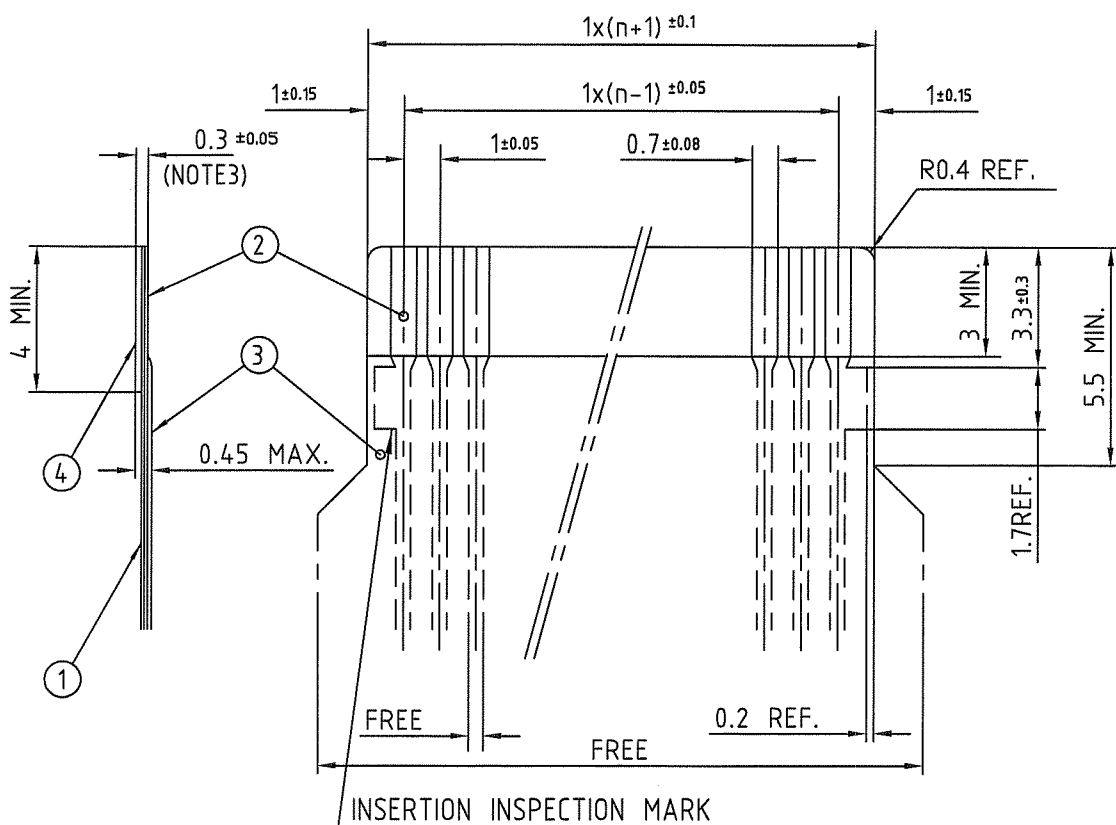
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ☒ ISO 1302 ☐ tolerance ☒ ISO 406 ☐ ISO 1101		projection		product family 58RF		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified				title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.NO. SFW__R-6STE1LF)				
AA	J05-0055	H.T.	2/4/05	angles	linear	mm						
AB	J06-0398	H.T.	9/26/06									
AC	J09-0363	M.Y.	2009-10-8	±5°		scale X						
				dr	MYAMASITA 2009-10-8				dwg no		sheet 1 of 1	size
				enr	MYAMASITA 2009-10-8				JSA 95871		A4	
				chr	S. K. H. 2009-10-8							
				appd	S. Chandra 2009-10-8							
sheet index		revision	AC									Rev. AC

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RECOMMENDED CABLE (CIC)

n:NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)	
1	BASE FILM	POLYESTER OR EQUAL	75	25
2	CONDUCTOR	CARBON PASTE OVER SILVER PASTE	10 MIN.	
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—	
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188	250

- 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		
lfr	ecn no	dr	date	tolerances unless otherwise specified		mm		title				
1	—	—	4/12/'93	angles	linear	mm		RECOMMENDED CABLE				
AA	J05-0055	H.T	2/4/'05			mm		(Cat. No. SFW_R-5/6_)				
AB	J06-0398	H.T	9/26/'06			scale X						
AC	J09-0363	M.Y	2009-10-8	dr	M.YAMASHITA	2009-10-8			dwg no		sheet 1 of 1	
				enr	M.YAMASHITA	2009-10-8			JSA 91675		size A4	
				chr	S. M. T. L.	2009-10-8						
				appd	S. de la Cruz	2009-10-8						
sheet index	revision	AC	1								Rev. AC	

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