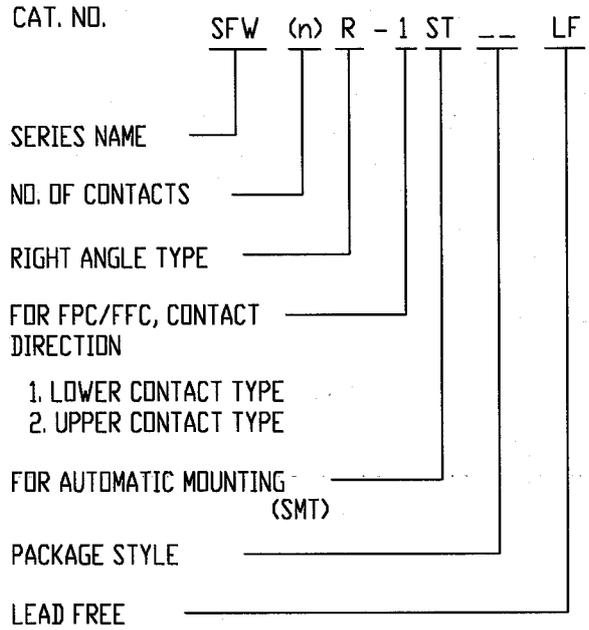


REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat.No	J05-0055	H.T	2/4/05

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

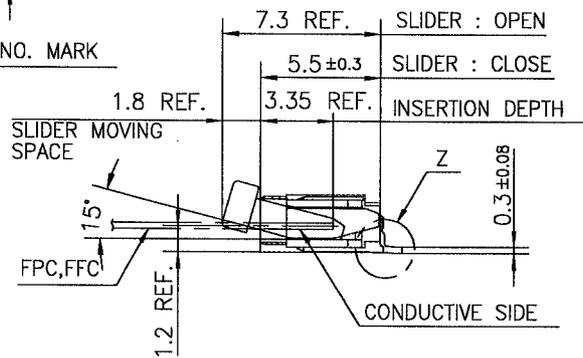
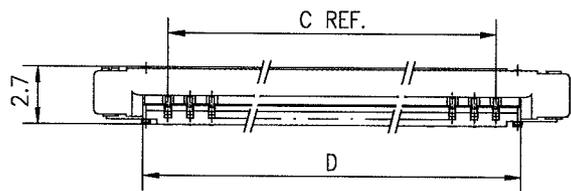
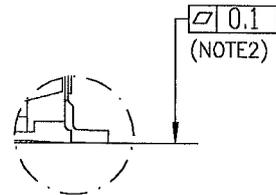
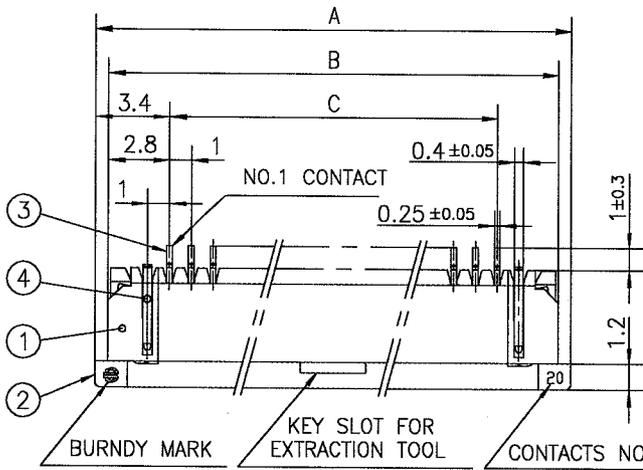


NOTES

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

SHEET INDEX	ISSUE	AA															
	SH NO.	1															
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY	TITLE								
LINEAR			ENGR	<i>H. Kobayashi</i>		DATE	2/9/05			CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2ST__LF)							
			CHK	<i>H. Kobayashi</i>		DATE	2/9/05			THIRD ANGLE PROJ	PRODUCT FAMILY						
ANGLES			APPD	<i>H. Kobayashi</i>		DATE	2/9/05		UNIT	MM		58JF				CODE JP	
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										SCALE	SIZE	DWG. NO.	REV	SHEET	
DF-140A REV A												-	A	JSA 95854	AA	1 of 1	

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Coplanarity	J04-0180	H.T	7/2/'04
AB	Changed Cat. No.	J05-0055	H.T	2/4/'05
AC	Added heat resistance	J05-0736	H.T	10/28/'05



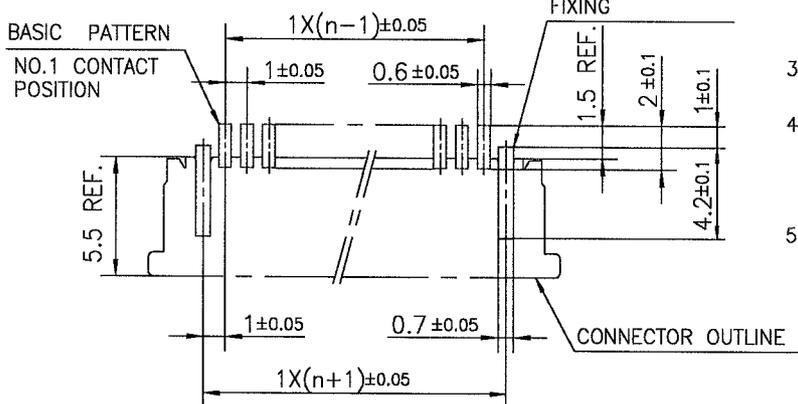
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

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.

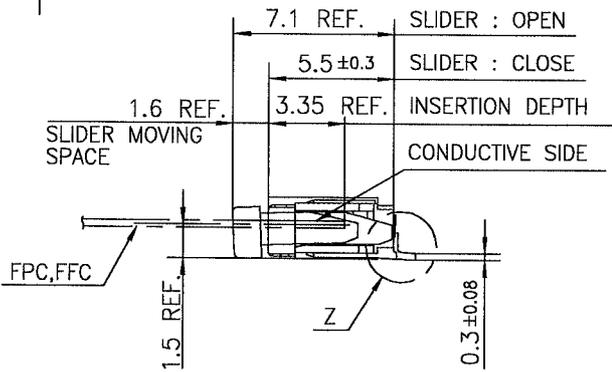
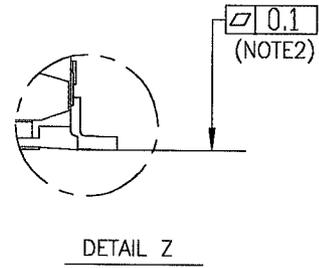
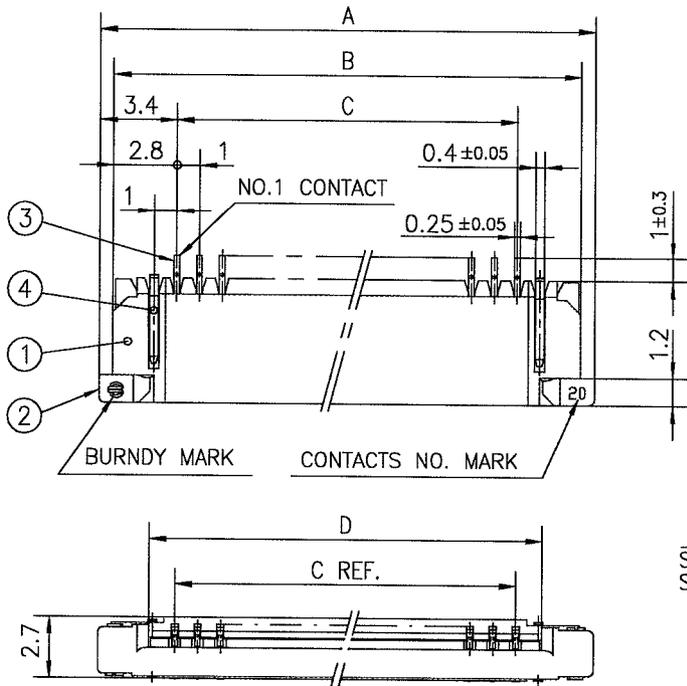
RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



SHEET INDEX	ISSUE	AC						<b>TITLE</b> 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1ST__LF)			
	SH NO.	1									
LINEAR	TOLERANCES UNLESS OTHERWISE SPECIFIED	DR	DATE	CUSTOMER COPY	<b>PRODUCT FAMILY</b> 58JF <b>CODE JP</b>						
	±0.2	ENGR	10/21/05	THIRD ANGLE PROJ							
		CHR	10/31/05	UNIT							
ANGLES		APPD	11/11/05	MM							
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.				SCALE	SIZE	DWG. NO.	REV	SHEET	
DF-140A REV A						-	A	JSA 95855	AC	1 of 1	

SC\_SF10 JSA95854

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	CHANGED COPLANARITY	J04-0180	H.T	7/2/04
AB	CHANGED CAT. NO.	J05-0055	H.T	2/4/05
AC	Added heat resistance	J05-0736	H.T	10/28/05



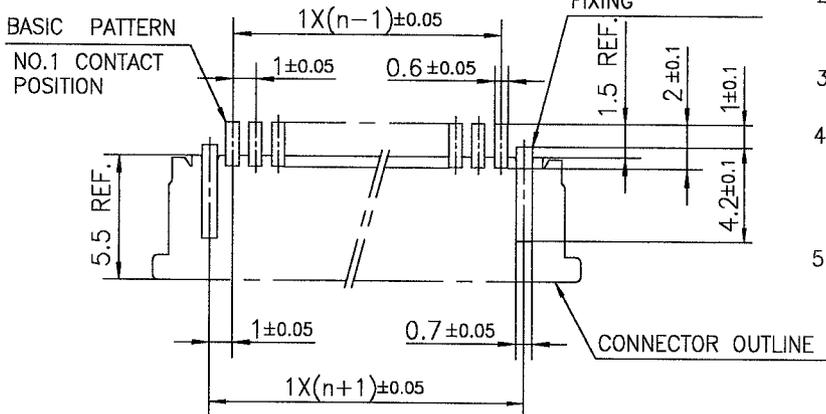
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

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 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.

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



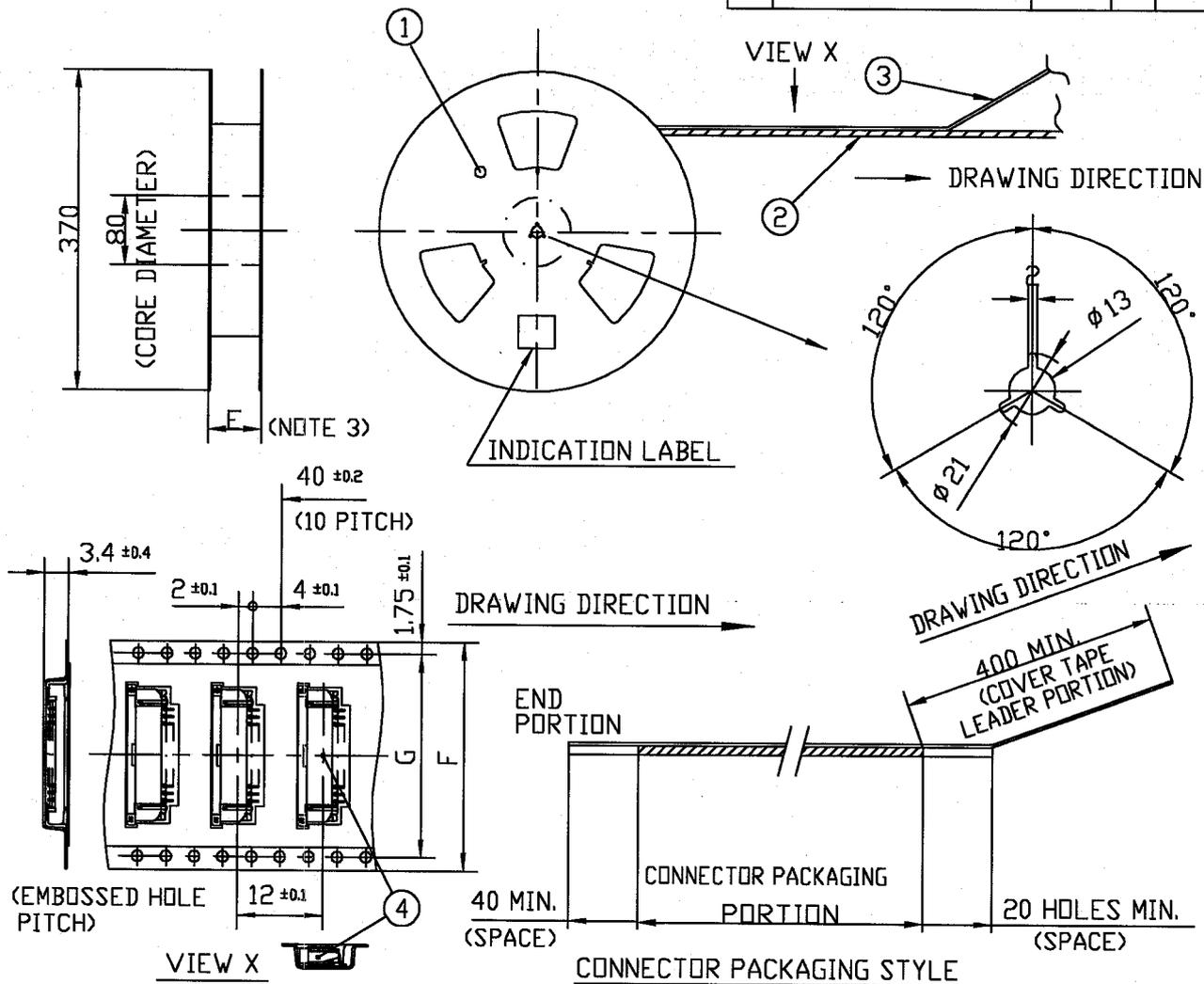
SHEET INDEX	ISSUE	AC										
	SH NO.	1										
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	DATE	CUSTOMER COPY	<p>TITLE</p> <p>1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2ST__LF)</p> <p>PRODUCT FAMILY 58JF</p> <p>CODE JP</p>							
LINEAR	±0.2	ENGR	10/21/05	THIRD ANGLE PROJ								
ANGLES		CHK	10/21/05	UNIT								
		APPB	11/1/05	MM								
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										
DF-140A REV A	SC_SFW10	JSA95854	SCALE	SIZE	DWG. NO.	REV	SHEET					
			-	A	JSA 95856	AC	1 of 1					





TOLERANCES  
UNLESS OTHERWISE SPECIFIED:  $\pm 5$ , ANGLE  $\pm 5^\circ$

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat. No.	J05-0055	H.T	2/4/05



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-1ST_LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

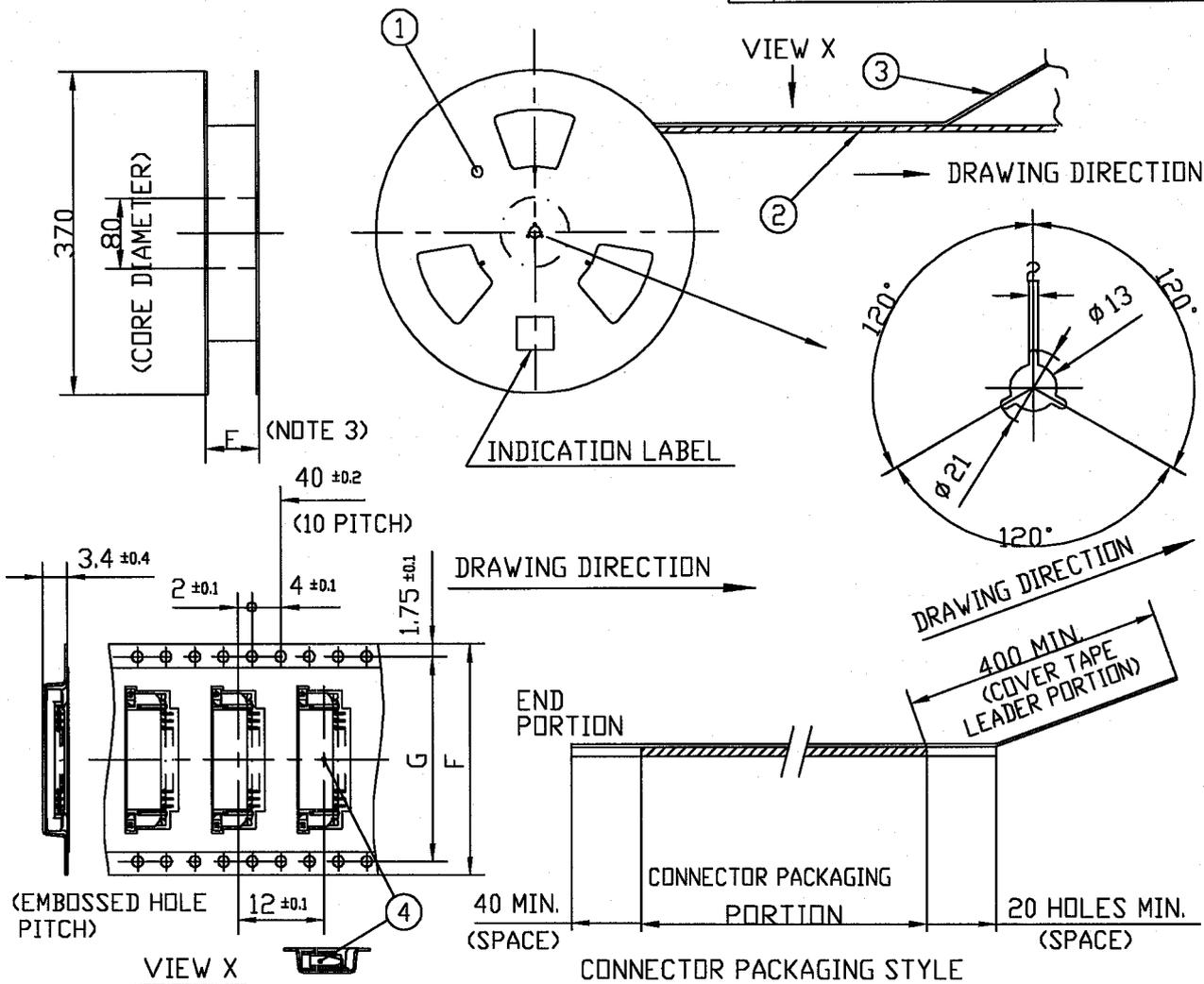
NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPEs 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.

SHEET INDEX		ISSUE	AA											FCI	
		SH NO.	1												
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI	DATE	2/4/05	CUSTOMER COPY	TITLE					PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-1STE1 LF)			
LINEAR		ENGR	<i>[Signature]</i>	DATE	2/7/05	THIRD ANGLE PROJ	PRODUCT FAMILY					58JF			
ANGLES		CHK	<i>[Signature]</i>	DATE	2/7/05	UNIT	CODE					JP			
DO NOT SCALE PRINT		APPD	<i>[Signature]</i>	DATE	2/7/05	UNIT	SCALE					A			
DF-140A REV A		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										DWG. NO.		JSA 95858	
SC_SFW10 JSA95857												REV		AA	
												SHEET		1 OF 1	

TOLERANCES  
UNLESS OTHERWISE SPECIFIED:  $\pm 5$ , ANGLE  $\pm 5^\circ$

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat. No.	J05-0055	H.T	2/4/05



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-2ST_LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

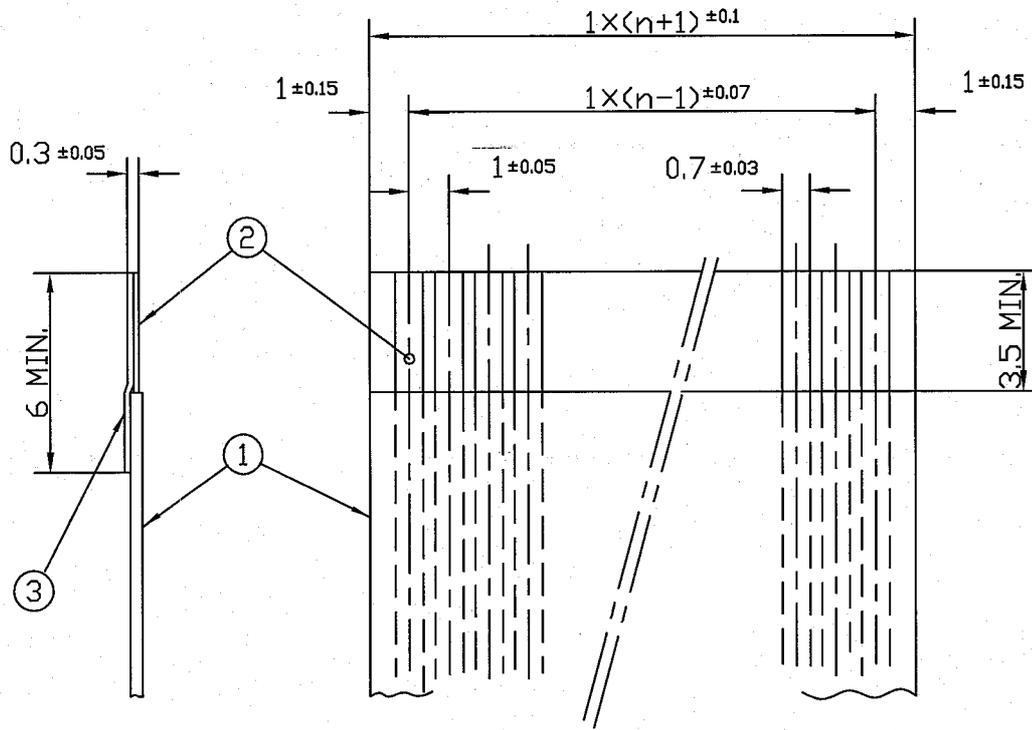
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.

SHEET INDEX	ISSUE	AA					<b>A</b> <b>FCI</b>
	SH NO.	1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI	DATE	2/4/05	CUSTOMER COPY	TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-2STE1 LF)
LINEAR		ENGR	<i>H. Kobayashi</i>		2/7/05	THIRD ANGLE PROJ	
		CHK	<i>H. Kobayashi</i>		2/7/05		
ANGLES		APPD	<i>M. Hasegawa</i>		2/7/05	UNIT	PRODUCT FAMILY
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.				MM	58JF
DF-140A REV A	SC_SF10	JSA95857	SCALE	SIZE	DWG. NO.	REV	CODE
			-	A	JSA 95859	AA	JP
							SHEET
							1 OF 1

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed form.	J05-0055	T.H	2/4/05

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 1 μm MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL	_____

NOTES

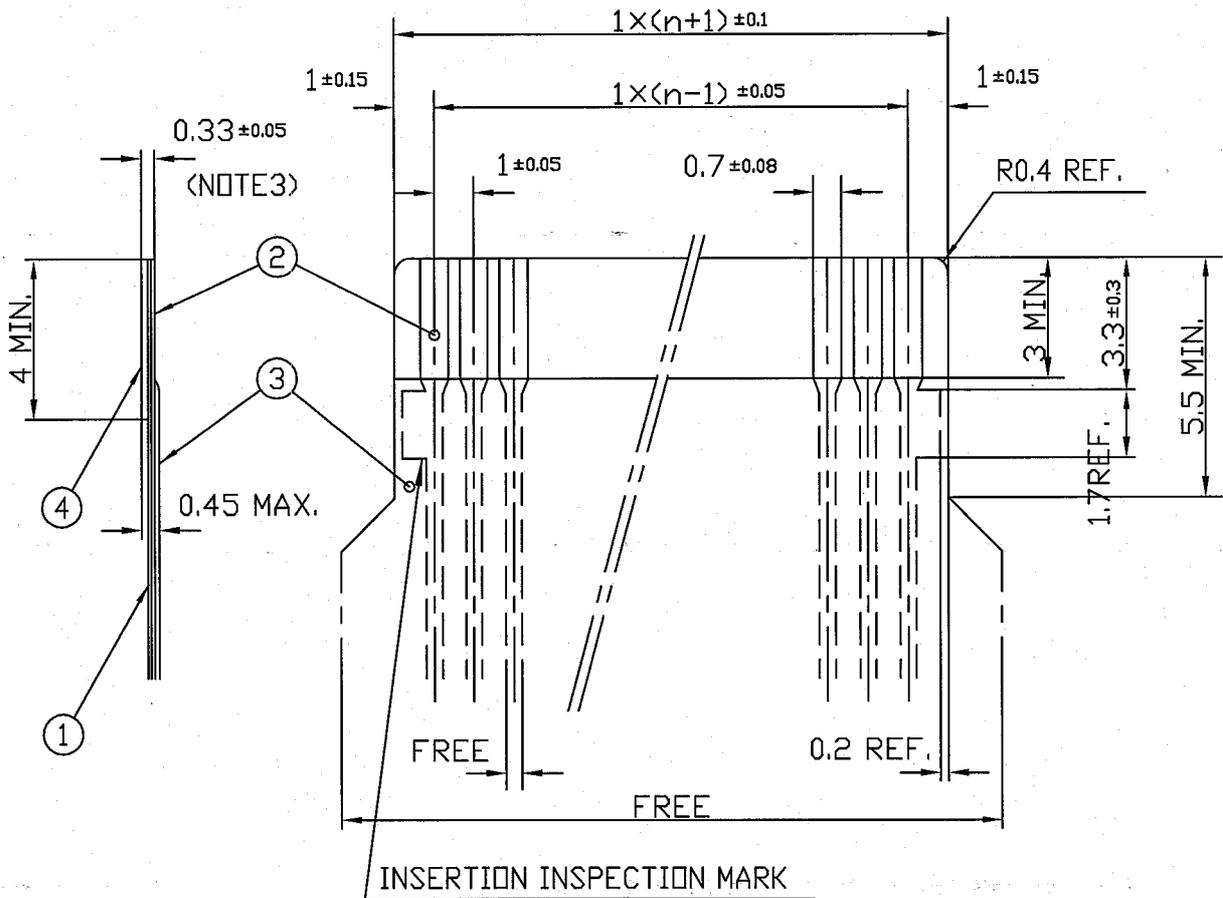
1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.

SHEET INDEX	ISSUE	AA																
	SH NO.	1																
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY	TITLE									
LINEAR		ENGR	<i>H. Takahashi</i>		DATE	2/7/05			RECOMMENDED CABLE									
		CHK	<i>H. Takahashi</i>		DATE	2/7/05			(Cat. No. SFW__R-1/2__)									
ANGLES		APPD	<i>H. Takahashi</i>		DATE	2/7/05		THIRD ANGLE PROJ	PRODUCT FAMILY									
								UNIT	MM	CODE JP								
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO EITHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN KK.										SCALE	SIZE	DWG. NO.	REV	SHEET		
DF-140A REV A												-	A	JSA 91604	AA	DF		

RECOMMENDED CABLE (FPC)

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed form.	J05-0055	T.H	2/4/05

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL (PLATING : SOLDER 1μm 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.

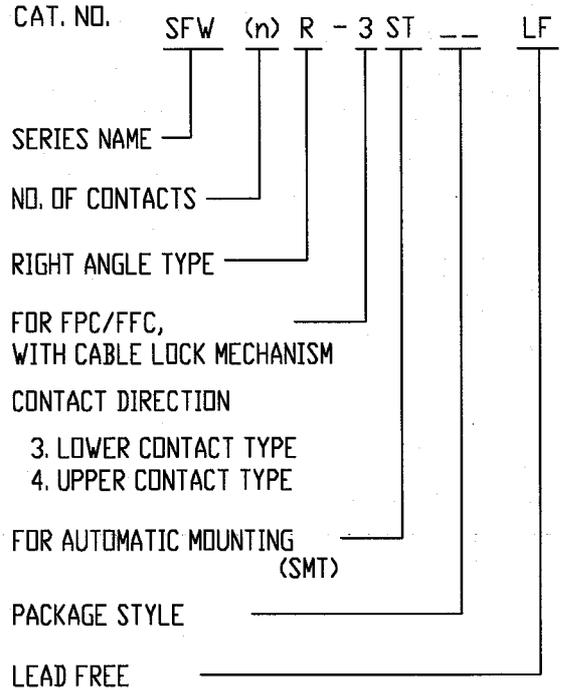
SHEET INDEX	ISSUE	AA											
	SH NO.	1											
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY	TITLE			RECOMMENDED CABLE (Cat. No. SFW__R-1/2__)	
LINEAR		ENGR	<i>H. Takahara</i>		DATE	2/7/05		THIRD ANGLE PROJ	PRODUCT FAMILY				CODE JP
ANGLES		CHK	<i>H. Takahara</i>		DATE	2/7/05		UNIT	MM			REV	
DO NOT SCALE PRINT		APPD	<i>M. Takahara</i>		DATE	2/17/05		UNIT	INCH			AA	
DF-140A REV A		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.						SCALE	A	DWG. NO.	JSA 91605	REV	AA
												OF	

CAT. NO. & DIMENSIONS

REVISIONS

REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat. No.	J05-0055	H.T	2/4/05

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

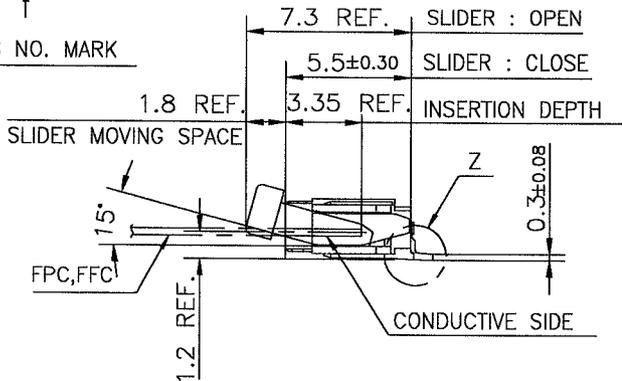
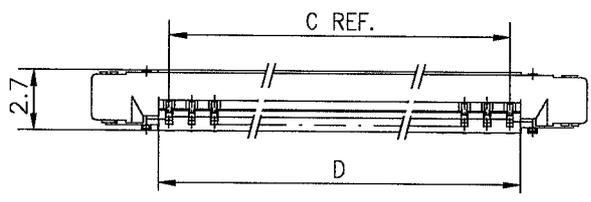
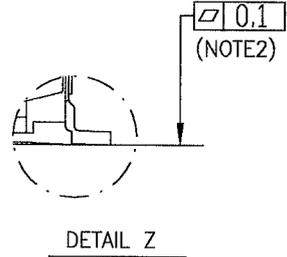
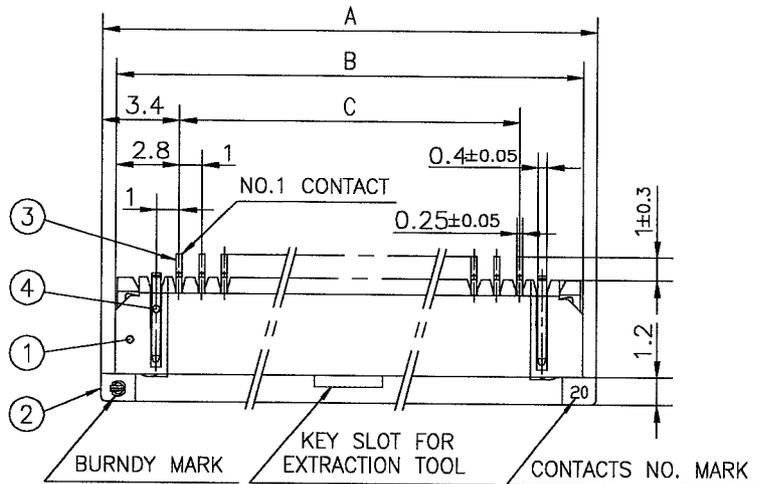


NOTES

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

SHEET INDEX	ISSUE	AA													
	SH NO.	1													
LINEAR	TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY	TITLE CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4ST__LF) PRODUCT FAMILY 58JF CODE JP					
	ANGLES		ENGR	<i>H. Takahashi</i>			<i>2/7/05</i>		THIRD ANGLE PROJ						
			CHK	<i>H. Takahashi</i>			<i>2/7/05</i>		UNIT <del>MM</del> INCH						
		APPD	<i>M. Takahashi</i>			<i>2/7/05</i>									
DO NOT SCALE PRINT										THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.					
DF-140A REV A										SCALE	SIZE	DWG. NO.	REV	SHEET	
										-	A	JSA 95860	AA	1 of 1	

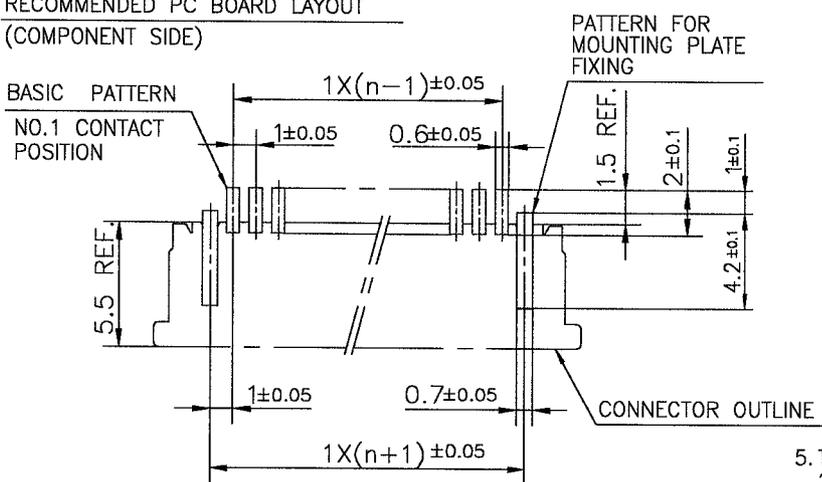
REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Coplanarity	J04-0180	H.T	7/2/'04
AB	Changed Cat. No.	J05-0055	H.T	2/4/'05
AC	Added heat resistance	J05-0736	H.T	10/28/'05



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

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)

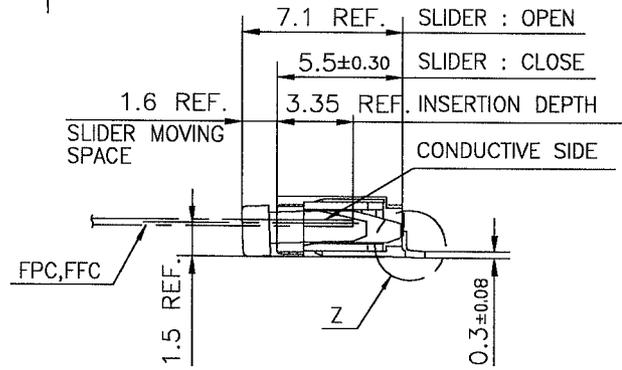
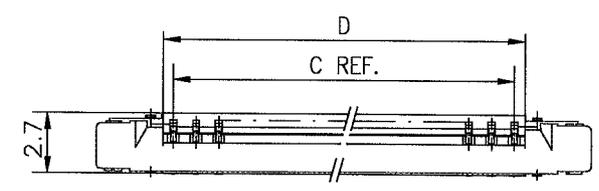
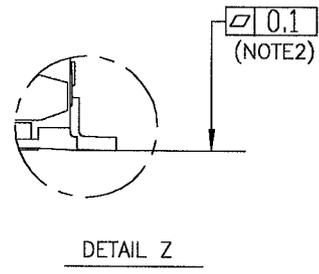
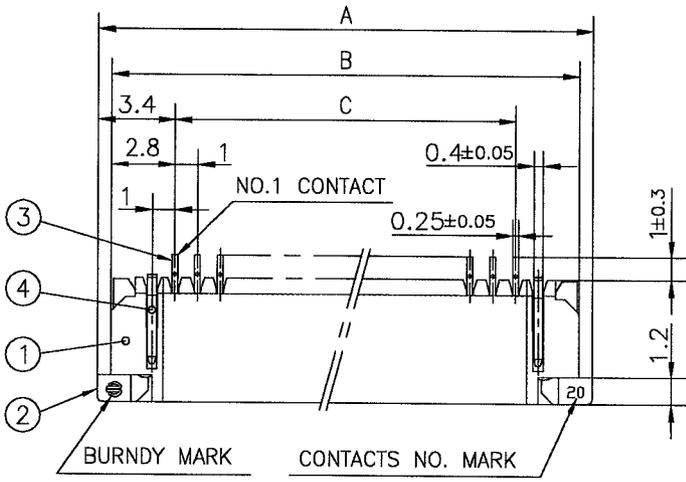


NOTES

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 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.

SHEET INDEX	ISSUE	AC								
	SH NO.	1								
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	DATE	CUSTOMER COPY	TITLE 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3ST__LF)					
LINEAR	±0.2	ENGR	10/31/05	THIRD ANGLE PROJ						
ANGLES		CHK	10/31/05	UNIT	PRODUCT FAMILY	58JF	CODE JP			
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.			SCALE	SIZE	DWG. NO.	REV	SHEET	
DF-140A REV A					-	A	JSA 95861	AC	1 of 1	
SC_SFW11 JSA95860										

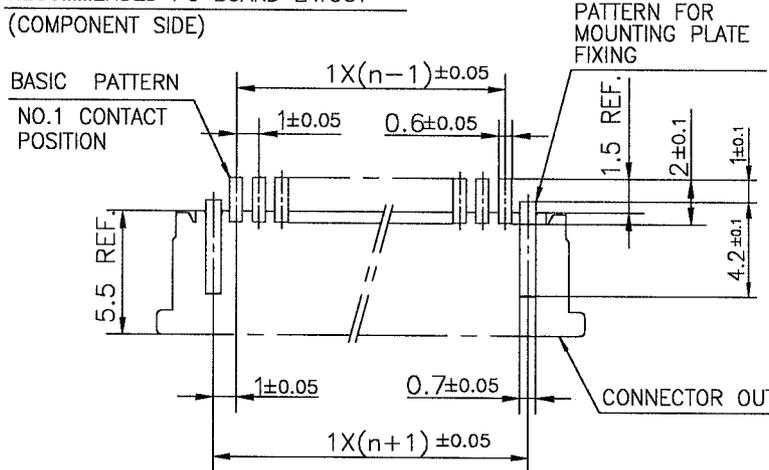
REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Coplanarity	J04-0180	H.T	7/2/04
AB	Changed Cat. No.	J05-0055	H.T	2/4/05
AC	Added heat resistance	J05-0736	H.T	10/28/05



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)



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.

SHEET INDEX	ISSUE	AC										
	SH NO.	1										
TOLERANCES UNLESS OTHERWISE SPECIFIED	DR	<i>M. ...</i>	DATE	10/28/05	CUSTOMER COPY							
	ENGR	<i>H. ...</i>	DATE	10/21/05	THIRD ANGLE PROJ							
	CHK	<i>H. ...</i>	DATE	10/21/05	UNIT	MM						
	APPD	<i>S. ...</i>	DATE	11/1/05	INCH							
LINEAR	±0.2											
ANGLES												
DO NOT SCALE PRINT THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.												
DF-140A REV A	SC_SFW11 JSA95860											

**FCI**

TITLE  
1mm SPACING SMT CONNECTOR  
(Cat. No. SFW\_\_R-4ST\_\_LF)

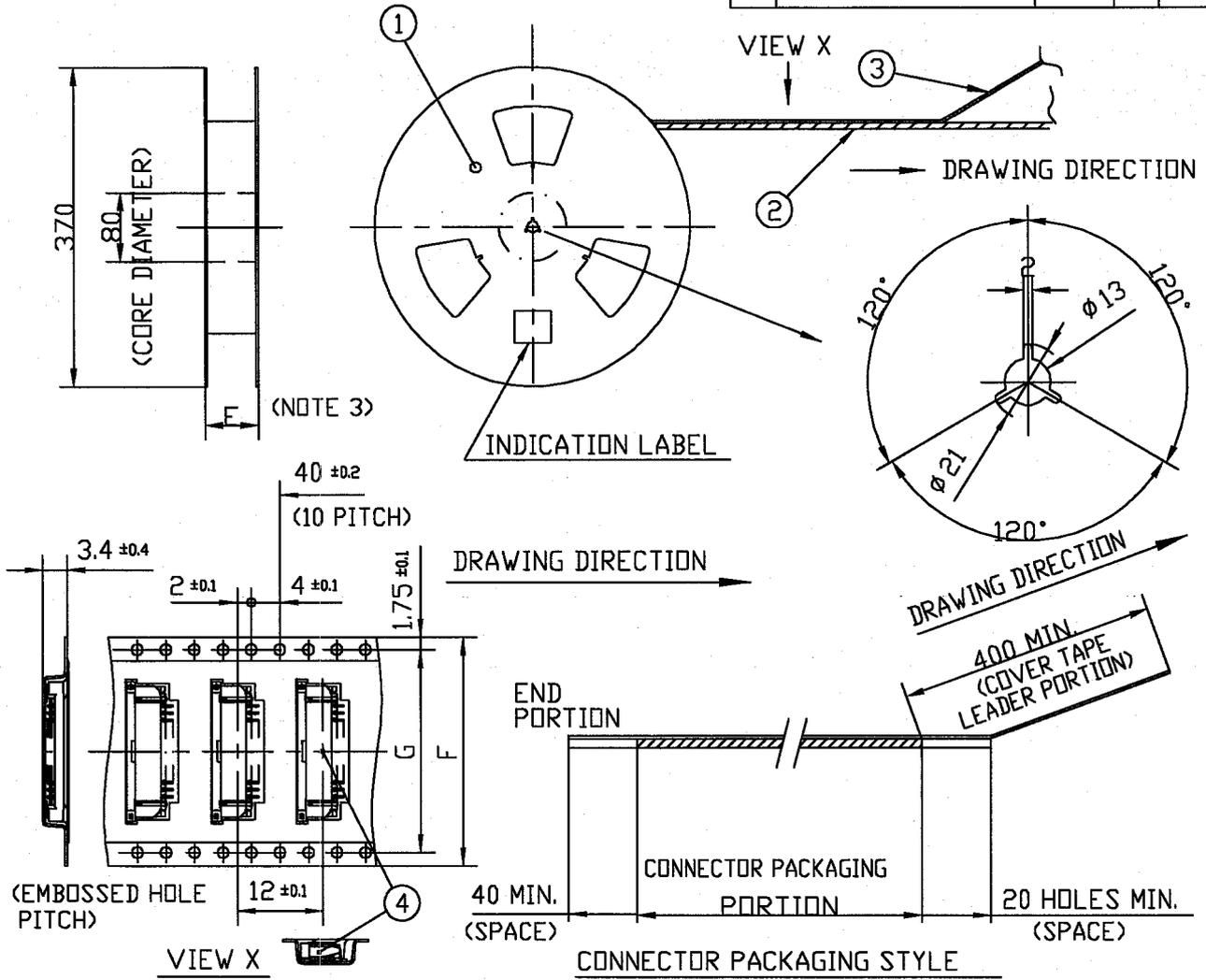
PRODUCT FAMILY: 58JF      CODE JP

SCALE: -      SIZE: A      DWG. NO.: JSA 95862      REV: AC      SHEET: 1 OF 1



TOLERANCES  
UNLESS OTHERWISE SPECIFIED:  $\pm 5$ , ANGLE  $\pm 5$

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat. No.	J05-0055	H.T	2/4/05



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-3ST_LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

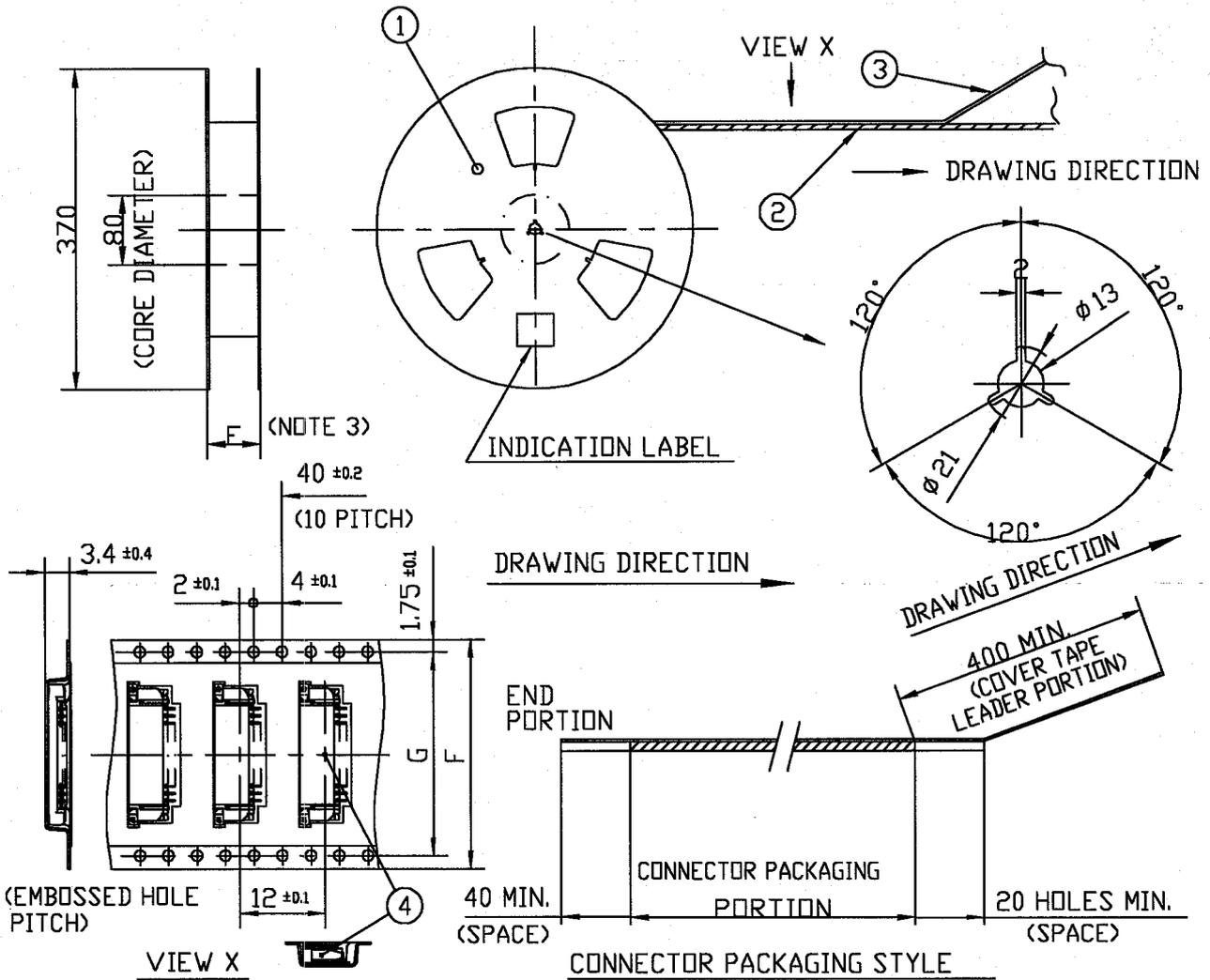
- NOTES
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
  - SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
  - E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

SHEET INDEX	ISSUE	AA																		
	SH NO.	1																		
TOLERANCES UNLESS OTHERWISE SPECIFIED	DR	A. KOBAYASHI		DATE	2/4/05	CUSTOMER COPY		TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-3STE1 LF)												
	ENGR	<i>[Signature]</i>		DATE	2/7/05															
	CHR	<i>[Signature]</i>		DATE	2/7/05															
LINEAR	APPD	<i>[Signature]</i>		DATE	2/7/05	THIRD ANGLE PROJ	UNIT	MM	INCH	PRODUCT FAMILY	58JF	CODE	JP							
ANGLES											SCALE	—	SIZE	A	DWG. NO.	JSA 95864	REV	AA	SHEET	OF

DO NOT SCALE PRINT THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.

TOLERANCES  
UNLESS OTHERWISE SPECIFIED:  $\pm 5$ , ANGLE  $\pm 5^\circ$

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat. No.	J05-0055	H.T	2/4/05



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-4ST__LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

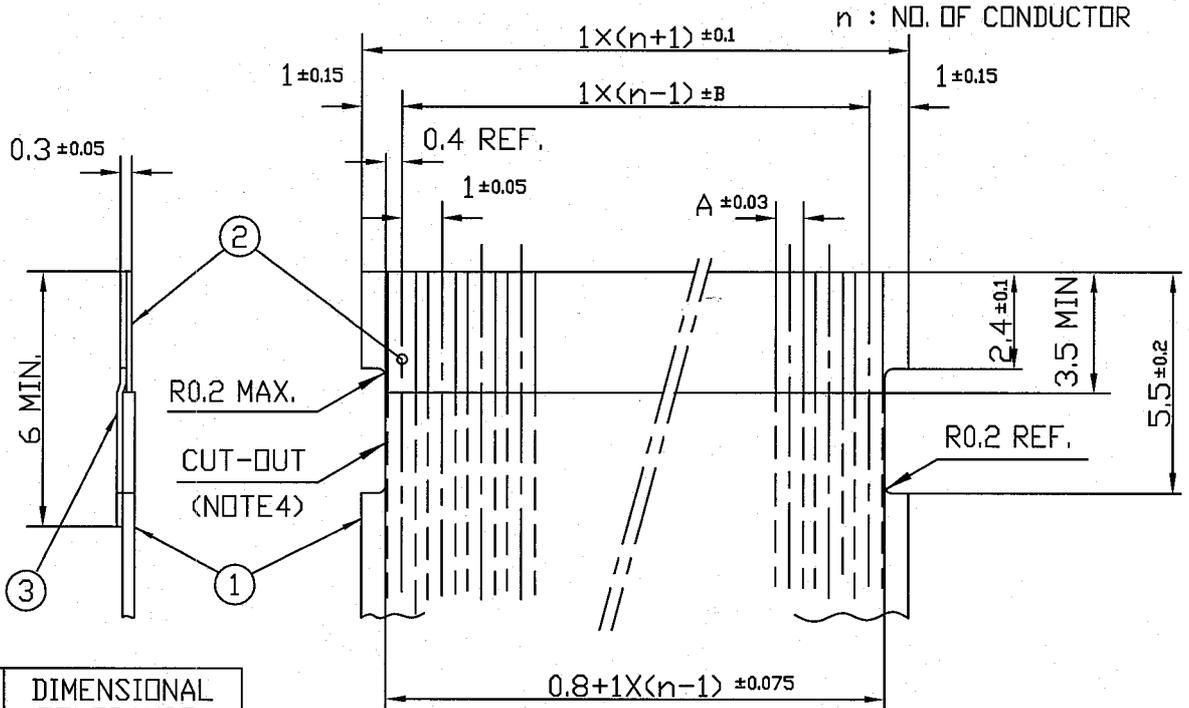
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS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

SHEET INDEX	ISSUE	AA														
	SH NO.	1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY		TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STE1 LF)						
LINEAR		ENGR	<i>H. Kobayashi</i>		DATE	2/7/05										
ANGLES		CHK	<i>H. Kobayashi</i>		DATE	2/9/05		THIRD ANGLE PROJ		PRODUCT FAMILY		58JF	CODE JP			
DO NOT SCALE PRINT		APPD	<i>M. Kobayashi</i>		DATE	2/17/05		UNIT		MM	INCH	SCALE	SIZE	DWG. NO.	REV	SHEET
DF-140A REV A		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										-	A	JSA 95865	AA	DF



RECOMMENDED CABLE (FFC)

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed form.	J05-0055	H.T	2/4/05



KIND OF FFC (NOTE 5)	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	_____

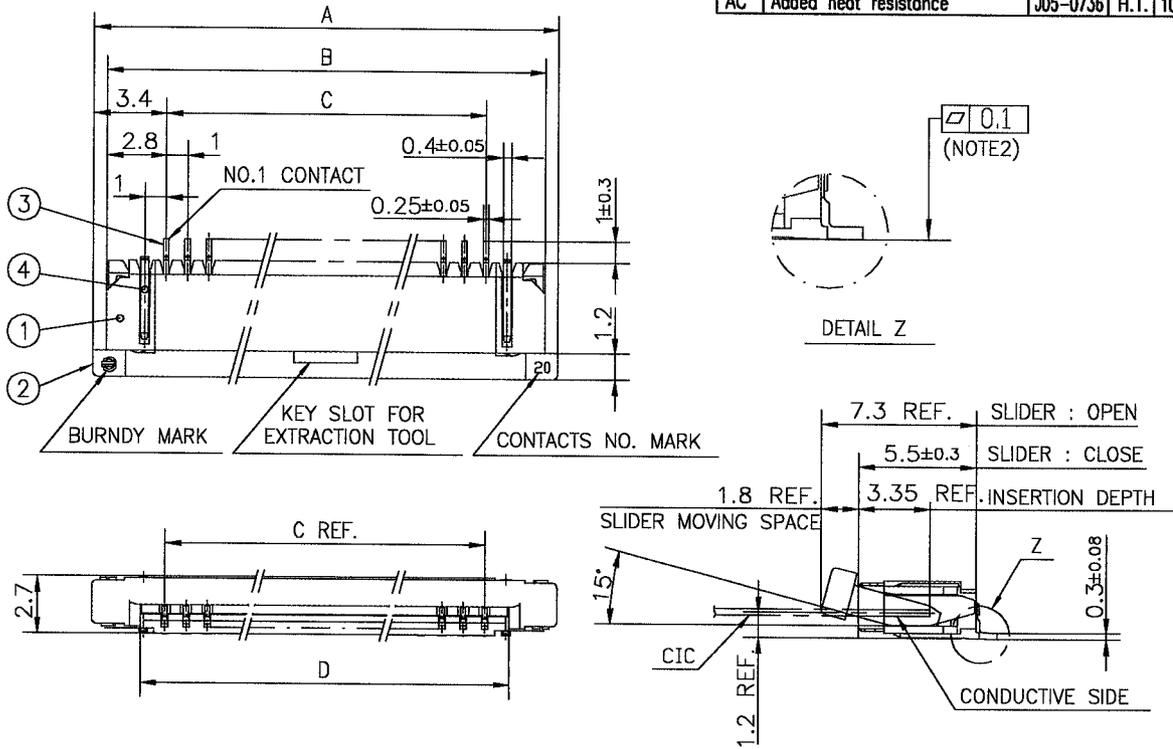
- NOTES
- THIS DRAWING INDICATES THE FFC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
  - NO BURR AT EACH PORTION.
  - NO PEELING IN COMMON USE.
  - THERE IS A POSSIBILITY THAT THE CUT-OUT CROSSES THE CONDUCTOR BECAUSE OF DIMENSIONAL TOLERANCE.
  - EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL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

SHEET INDEX	ISSUE	AA										
	SH NO.	1										
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY		TITLE RECOMMENDED CABLE (Cat. No. SFW__R-3/4__ )		
LINEAR		ENGR	<i>H. Takahashi</i>		DATE	2/7/05		THIRD ANGLE PROJ				
ANGLES		CHK	<i>H. Takahashi</i>		DATE	2/7/05		UNIT		PRODUCT FAMILY		CODE JP
DO NOT SCALE PRINT		APPD	<i>M. Takahashi</i>		DATE	2/17/05		UNIT		SCALE		REV
DF-140A REV A		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN KK.						SIZE		DWG. NO.		SHEET
								A		JSA 93213		OF



REVISIONS

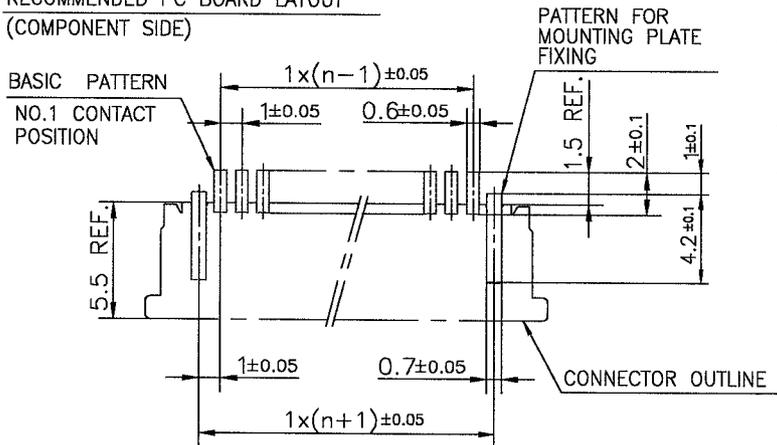
REV	DESCRIPTION	ECN	BY	DATE
AA	CHANGED COPLANARITY	J04-0180	H.T	7/2/'04
AB	Changed CAT.NO.	J05-0055	H.T.	2/4/'05
AC	Added heat resistance	J05-0736	H.T.	10/28/'05



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		2	

n : NO. OF CONTACTS  
NOTES

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)



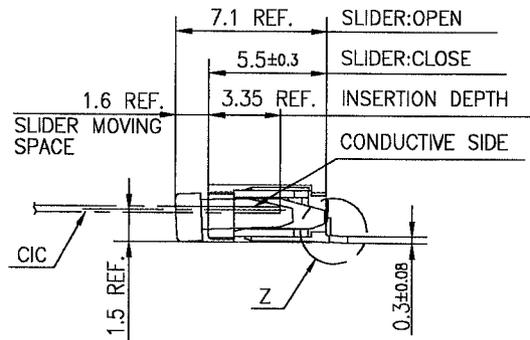
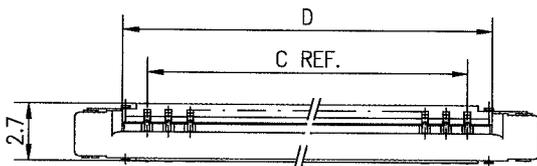
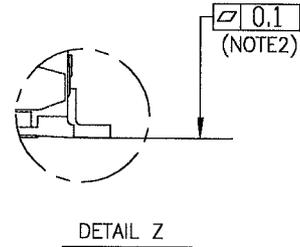
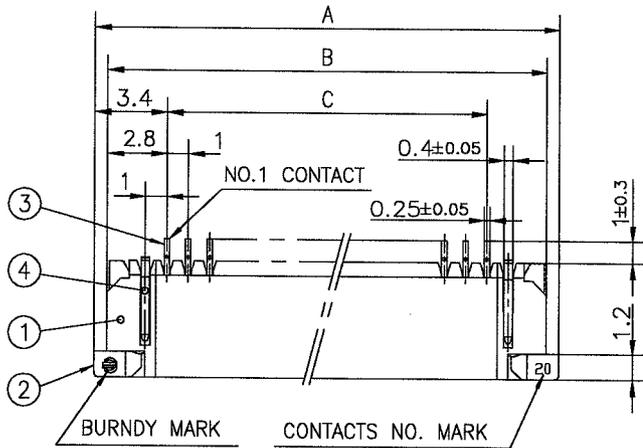
1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS 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.

SHEET INDEX	ISSUE	AC											TITLE			
	SH NO.	1														
TOLERANCES UNLESS OTHERWISE SPECIFIED	DR	<i>M. Moriyama</i>	DATE	10/28/05	CUSTOMER COPY	TITLE	1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-5ST__LF)					PRODUCT FAMILY	58JF	CODE JP		
	±0.2	ENGR	<i>K. Takahashi</i>	DATE											10/24/05	
LINEAR	CHK	<i>K. Takahashi</i>	DATE	10/21/05	THIRD ANGLE PROJ.	UNIT	MM	INCH	SCALE	SIZE	DWG. NO.	REV	SHEET			
ANGLES	APPD	<i>S. Imai</i>	DATE	11/1/05	UNIT									MM	INCH	SCALE
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN KK.										SCALE	SIZE	DWG. NO.	REV	SHEET
DF-140A REV A		SC-SFW12 JSA95866										∞	A	JSA 95867	AC	1 OF 1



REVISIONS

REV	DESCRIPTION	ECN	BY	DATE
AA	CHANGED COPLANARITY	J04-0180	H.T	7/2/'04
AB	Changed CAT.NO.	J05-0055	H.T.	2/4/'05
AC	Added heat resistance	J05-0736	H.T.	10/28/'05



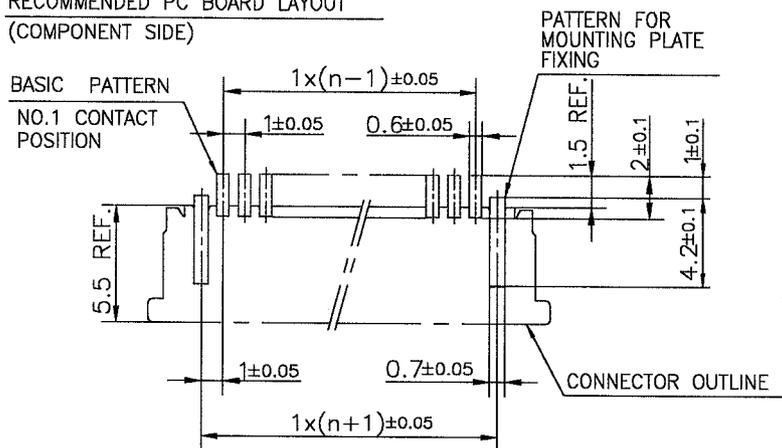
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BROWN
2	SLIDER		1	COLOR:BEIGE
3	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN
4	MOUNTING PLATE		2	

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)



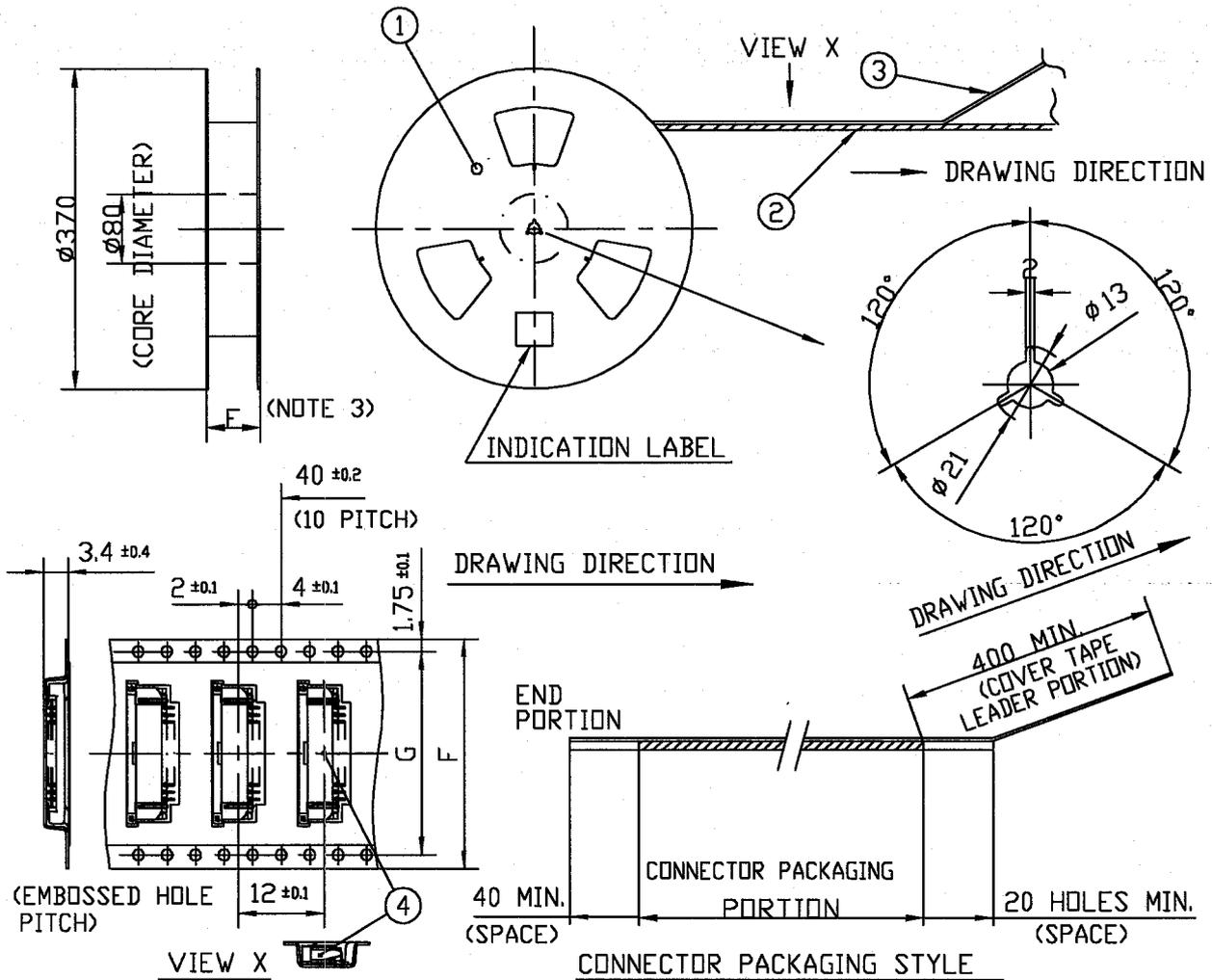
SHEET INDEX	ISSUE	AC													TITLE 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-6ST__LF)		
	SH NO.	1															PRODUCT FAMILY
LINEAR	TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	DATE		CUSTOMER COPY		THIRD ANGLE PROJ.		UNIT MM INCH		SCALE X A		DWG. NO. JSA 95868		REV SHEET AC 1 OF 1	
	±0.2		ENGR	12/21/05													
			CHK	12/21/05													
ANGLES			APPD	11/1/05													
DO NOT SCALE PRINT THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.																	

SC-SFW12 JSA95866



TOLERANCES  
UNLESS OTHERWISE SPECIFIED?±5, ANGLE ±5 °

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed CAT.NO.	J05-0055	H.T.	2/4/05



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

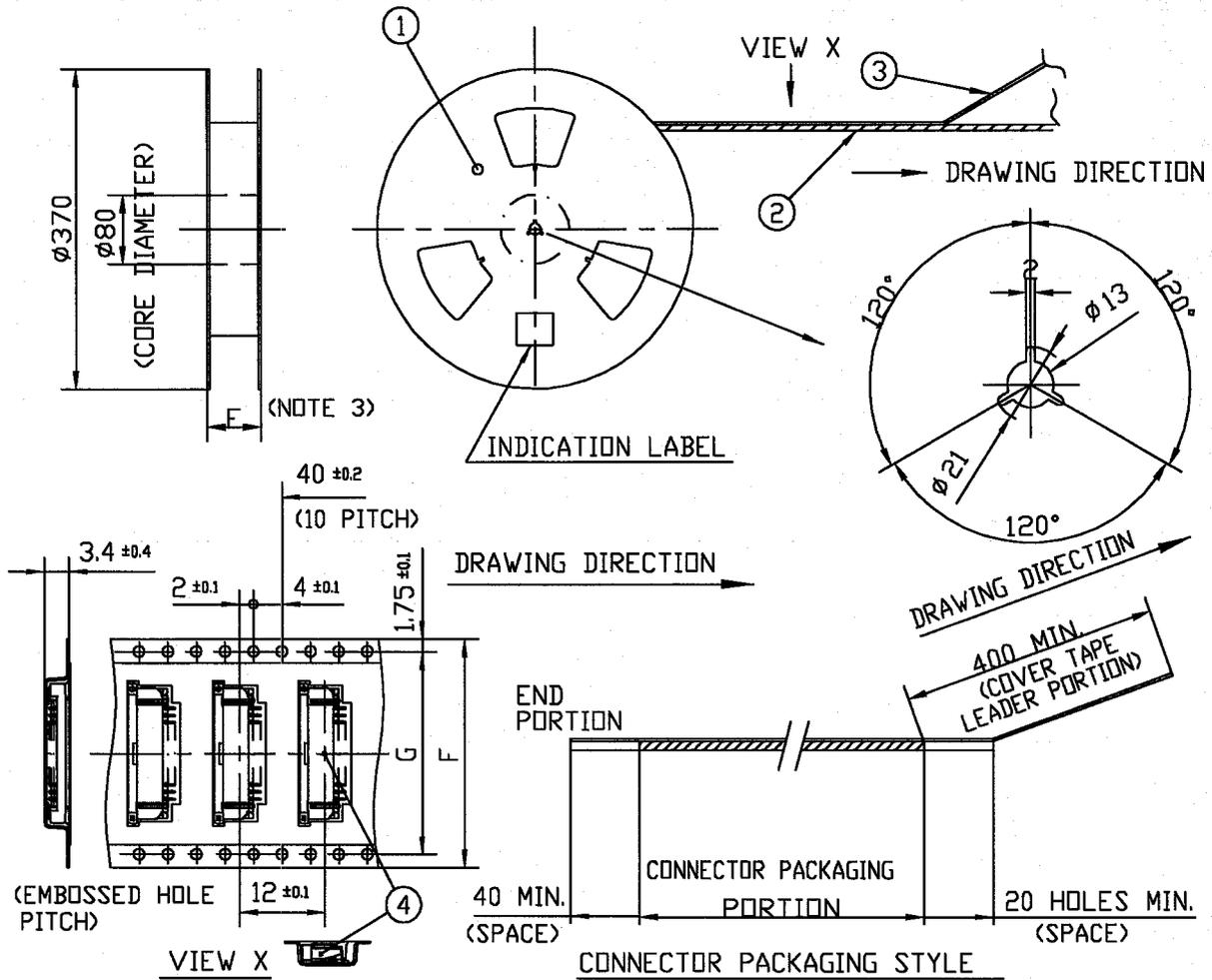
NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR CIC AND COPEs 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.

SHEET INDEX	ISSUE	AA									<b>A</b> <b>FCI</b>
	SH NO.	1									
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	M. MIZUTANI	DATE	2/4/05	CUSTOMER COPY		TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT. NO. SFW_R-5STE1LF)			
LINEAR		ENGR	<i>H. Takahara</i>	DATE	2/7/05	THIRD ANGLE PROJ					
ANGLES		CHK	<i>H. Takahara</i>	DATE	2/7/05	UNIT		PRODUCT FAMILY		58JF	CODE JP
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.				SCALE	SIZE	DWG. NO.	REV	SHEET	
DF-140A REV A						χ	A	JSA 95870	AA	1 OF 1	

TOLERANCES  
UNLESS OTHERWISE SPECIFIED: ±0.1, ANGLE ±5°

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed CAT.NO.	J05-0055	H.T.	2/4/'05



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

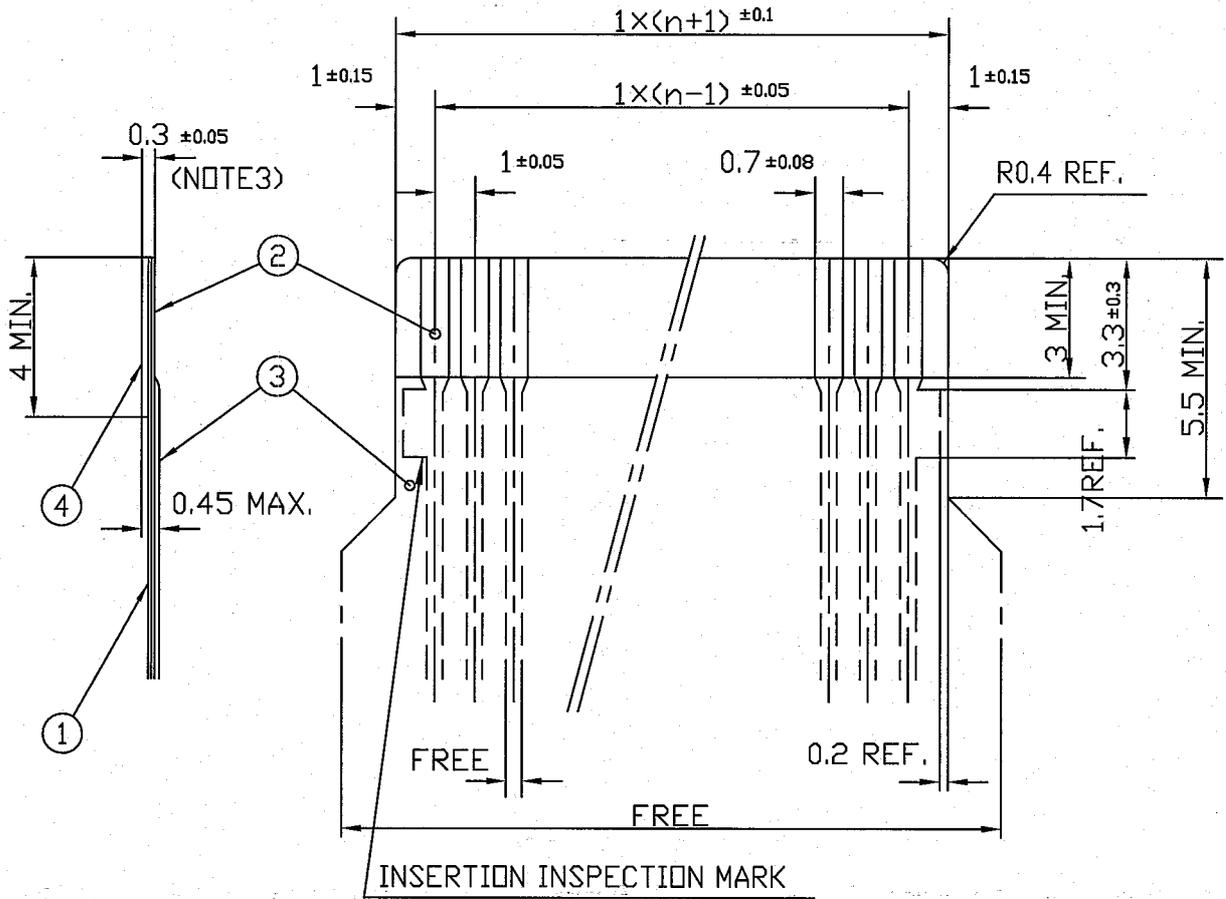
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

SHEET INDEX	ISSUE	AA								<b>A</b> <b>FCI</b>		
	SH NO.	1										
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	M. MIZUTANI	DATE	2/4/'05	CUSTOMER COPY	TITLE				
LINEAR			ENGR	<i>[Signature]</i>		2/1/05	THIRD ANGLE PROJ	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.NO. SFW_R-6STE1LF)				
			CHK	<i>[Signature]</i>		2/1/05		PRODUCT FAMILY				
			APP'D	<i>[Signature]</i>		2/17/05		58JF	CODE JP			
ANGLES				<i>[Signature]</i>		2/17/05	UNIT	MM	SCALE			
DO NOT SCALE PRINT			THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.				SCALE		SIZE	DWG. NO.	REV	SHEET
DF-140A REV A							X		A	JSA 95871	AA	1 OF 1

RECOMMENDED CABLE (CIC)

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
1	Insertion inspection mark added.			4/12/93
AA	Changed form.	J05-0055	H.T	2/4/05

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)	
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.

SHEET INDEX	ISSUE	AA										
	SH NO.	1										
LINEAR	TOLERANCES UNLESS OTHERWISE SPECIFIED	DR	A. KOBAYASHI	DATE	2/4/05	CUSTOMER COPY		TITLE	RECOMMENDED CABLE			
		ENGR	<i>H. Takahashi</i>	DATE	2/7/05	THIRD ANGLE PROJ		(Cat. No. SFW__R-5/6__)				
		CHK	<i>H. Takahashi</i>	DATE	2/7/05	UNIT	MM INCH	PRODUCT FAMILY				
ANGLES		APPD	<i>M. Sawada</i>	DATE	2/7/05			CODE JP				
DO NOT SCALE PRINT	THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.						SCALE	SIZE	DWG. NO.	REV	SHEET	
DF-140A REV A							-	A	JSA 91675	AA	0F	