

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

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


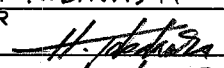
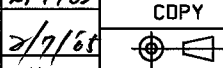

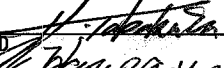
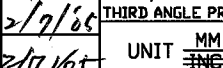
FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

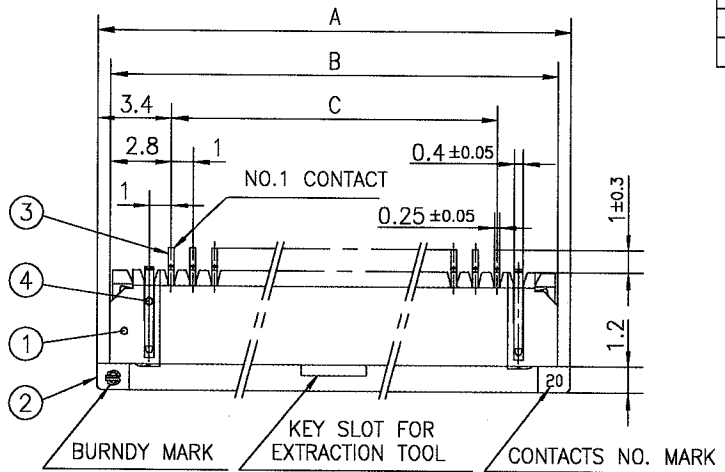
LEAD FREE

## NOTES

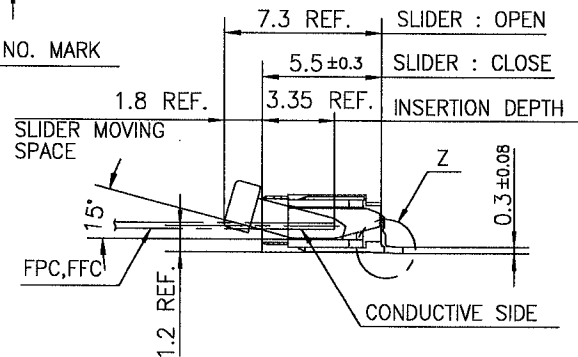
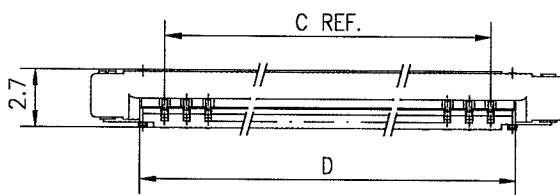
- THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
- SEE PART DRAWINGS FOR DIMENSIONS A~D.

SHEET INDEX	ISSUE	AA																												
	SH NO.	1																												
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR		A. KOBAYASHI		DATE		2/4/05		CUSTOMER COPY		TITLE CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2ST__LF)																	
LINEAR			ENGR				2/7/05				THIRD ANGLE PROJ																			
ANGLES			CHK				2/7/05				UNIT		MM		INCH		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 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



DETAIL Z



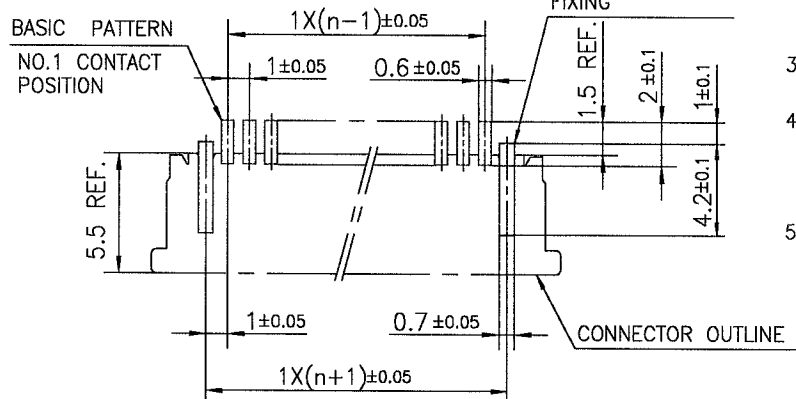
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

n : NO. OF CONTACTS

#### NOTES

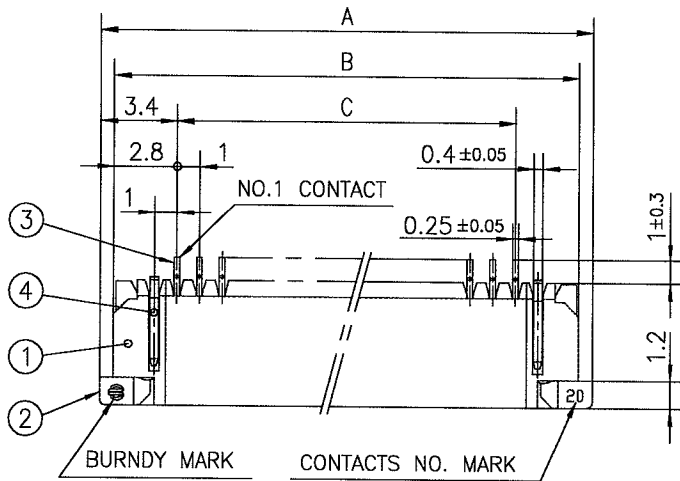
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY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

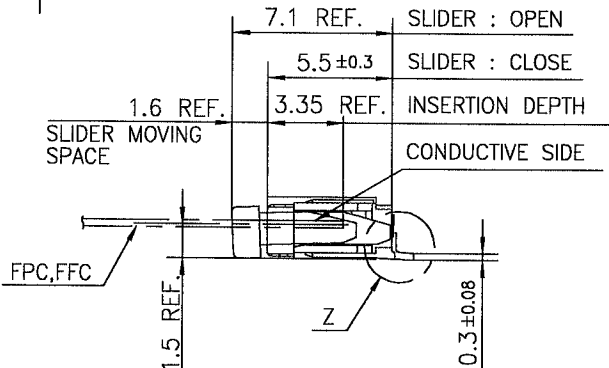
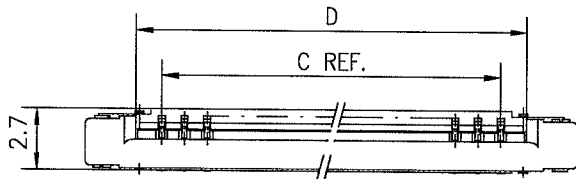


SHEET INDEX	ISSUE	AC					DATE	CUSTOMER COPY	TITLE	PRODUCT FAMILY	CODE JP		
	SH NO.	1											
TOLERANCES UNLESS OTHERWISE SPECIFIED	DR					DATE	THIRD ANGLE PROJ	UNIT	SCALE	SIZE	DWG. NO.	REV	SHEET
	ENGR					10/21/05							
	CHR					10/31/05							
LINEAR	±0.2	APPD					11/1/05	MM					
ANGLES							INCH						
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													

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



DETAIL Z



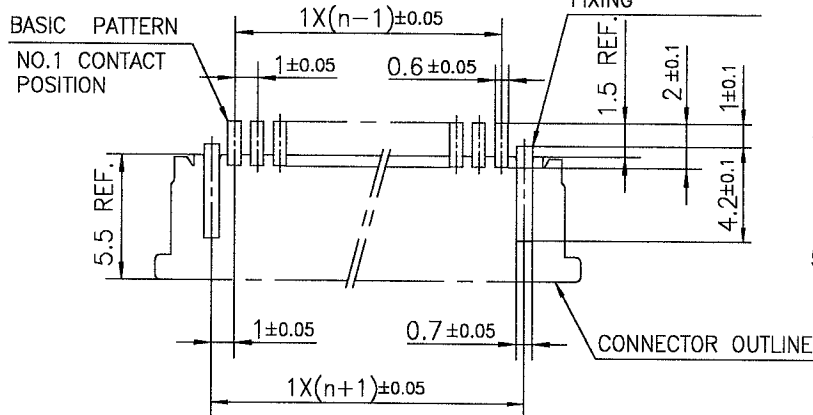
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

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)

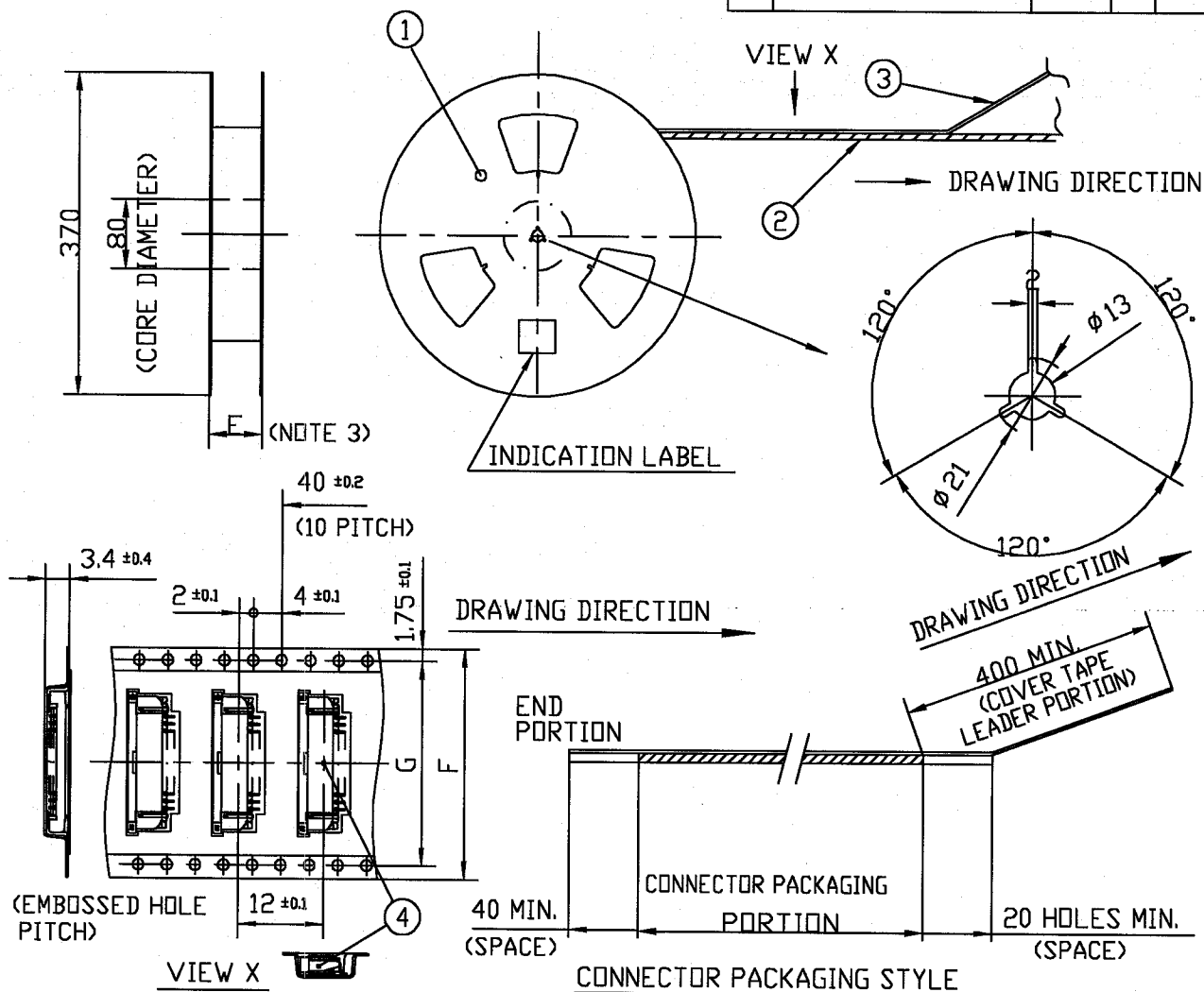


SHEET INDEX	ISSUE	AC												
	SH NO.	1												
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR		DATE		CUSTOMER COPY		TITLE 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2ST__LF)						
±0.2		ENGR		10/31/05		THIRD ANGLE PROJ								
LINEAR		CHK		10/31/05		UNIT		PRODUCT FAMILY		CODE				
ANGLES		APPB		11/1/05		MM		58JF		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 95856	AC	1 of 1
SC_SFW10 JSA95854														



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

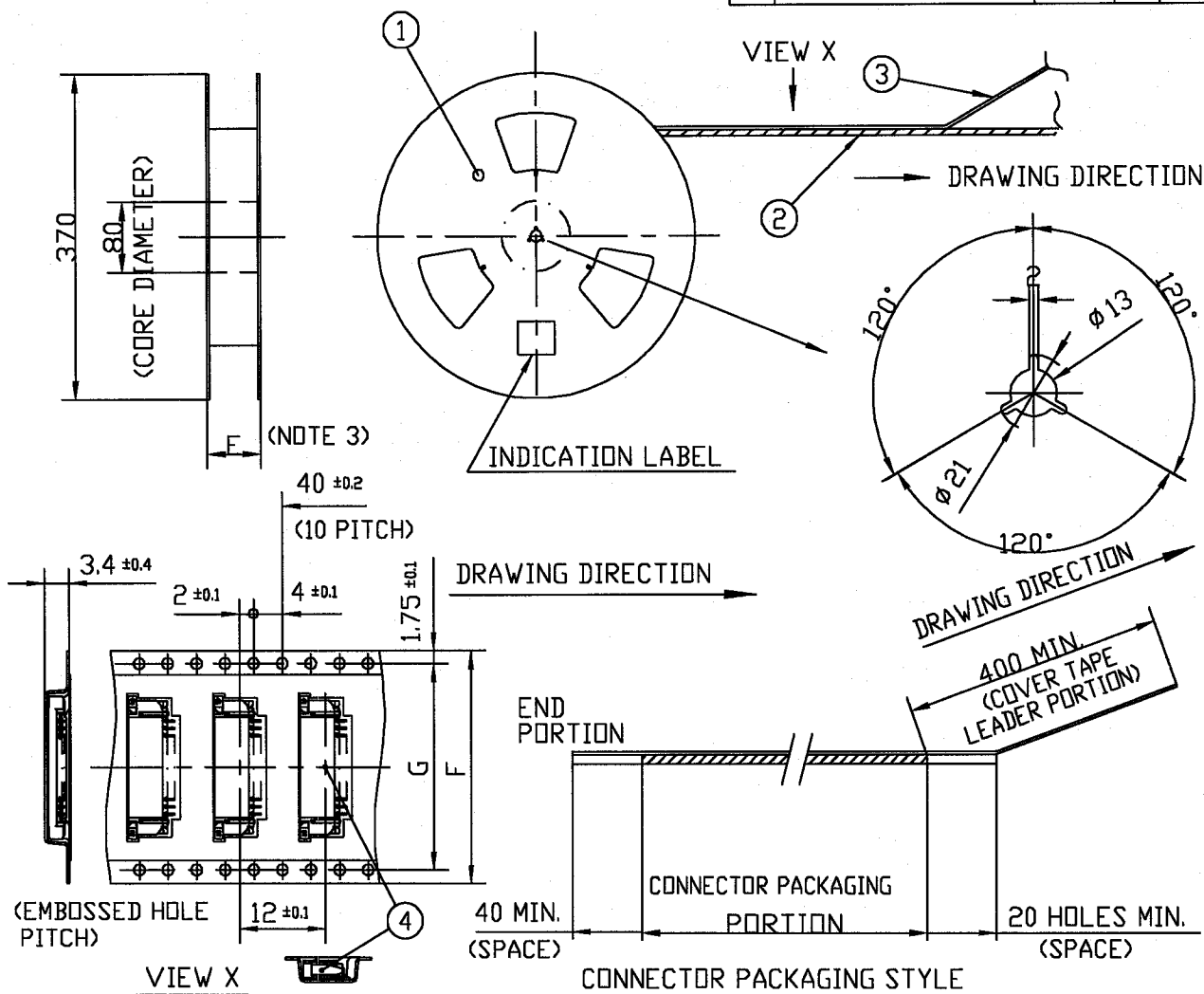
#### NOTES

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												
	SH NO.	1												
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER					
LINEAR			ENGR						THIRD ANGLE PROJ	TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-1STE1 LF)				
			CHK											
			APPD											
ANGLES								UNIT	MM		PRODUCT FAMILY			
								INCH		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 95858	AA	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

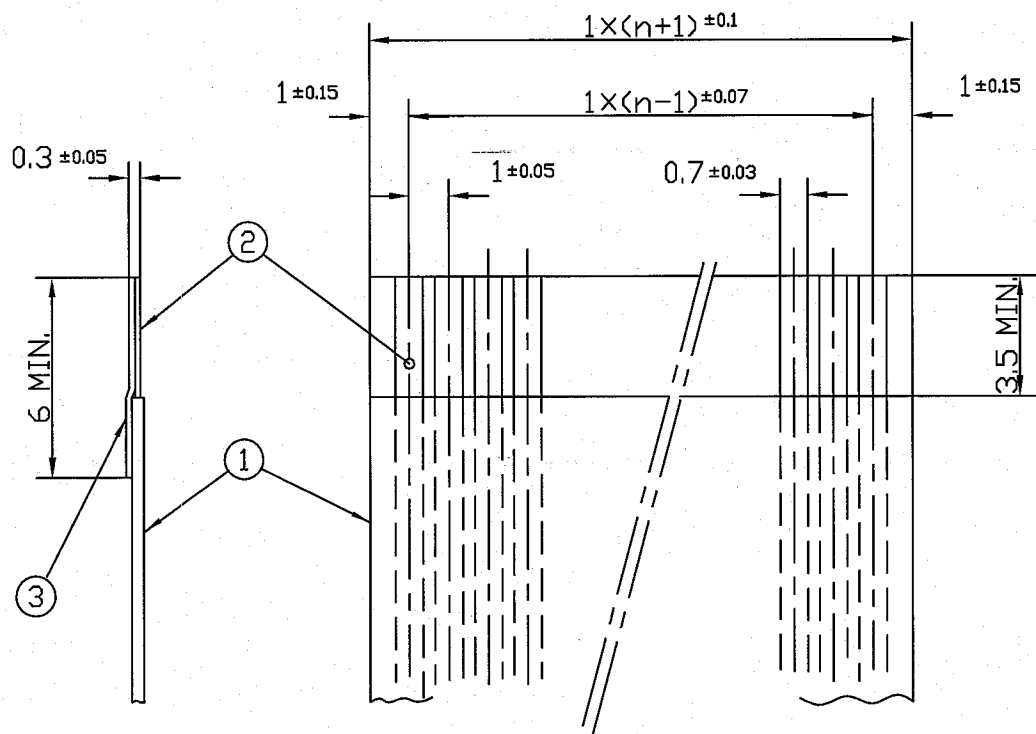
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

SHEET INDEX	ISSUE	AA																							
	SH NO.	1																							
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	A. KOBAYASHI		DATE	2/4/05		CUSTOMER COPY	<b>FCI</b> TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-2STE1 LF)															
LINEAR			ENGR																						
			CHK																						
ANGLES			APPD																						
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.							UNIT		MM		INCH											
DF-140A REV A			SC_SFW10 JSA95857							SCALE		A		DWG. NO.		JSA 95859		REV		AA		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 1μm MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL	

NOTES

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

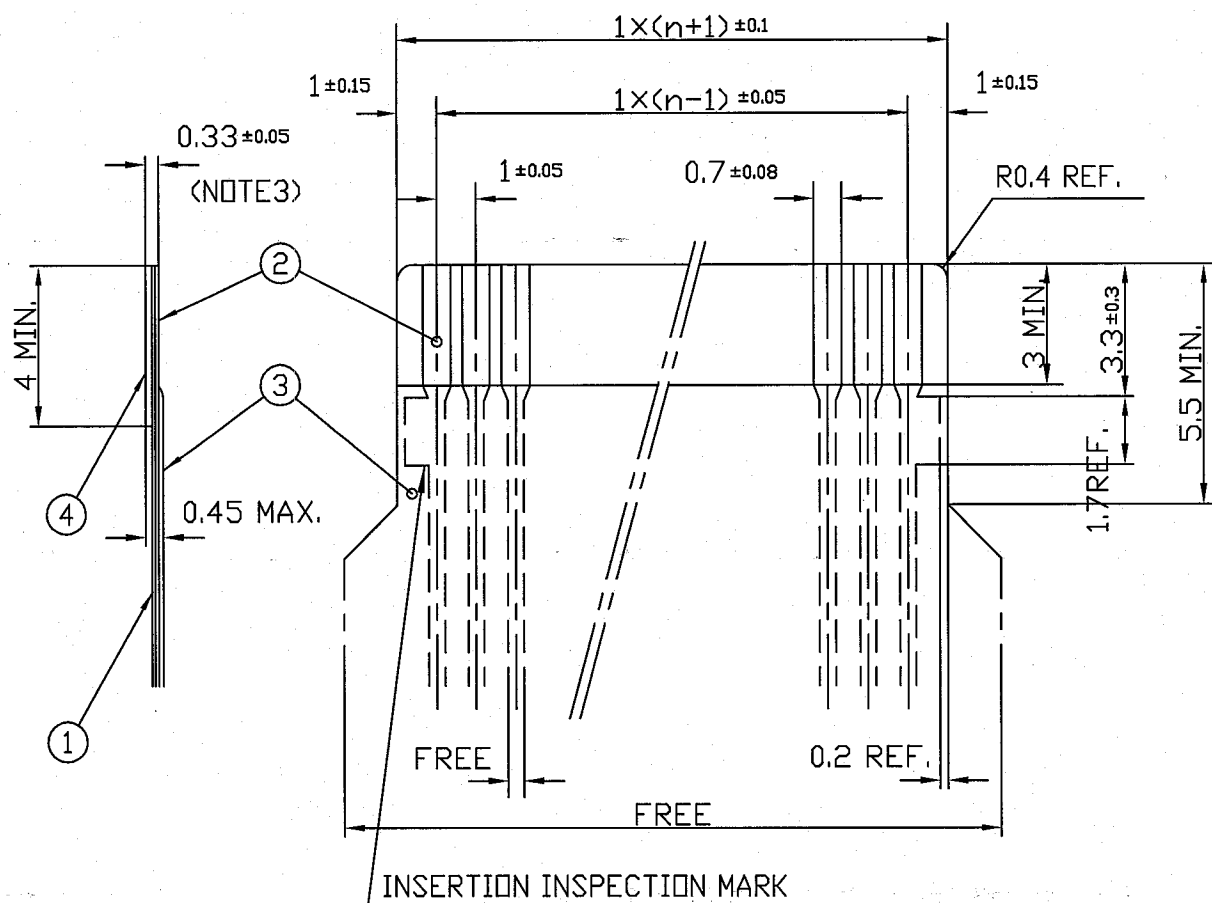
SHEET INDEX	ISSUE	AA											<div style="text-align: center;">  FCI </div>
	SH NO.	1											
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR A. KOBAYASHI		DATE 2/4/05		CUSTOMER COPY		TITLE RECOMMENDED CABLE (Cat. No. SFW__R-1/2__)  PRODUCT FAMILY				CODE JP
LINEAR			ENGR <i>[Signature]</i>		DATE 2/7/05		THIRD ANGLE PROJ						
ANGLES			CHK <i>[Signature]</i>		DATE 2/7/05		UNIT MM <del>INCH</del>						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 EITHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN KK.						SCALE		SIZE	DWG. NO.	
DF-140A REV A									-		A	JSA 91604	AA

## 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>		2/7/05		THIRD ANGLE PROJ					
ANGLES			CHK	<i>H. Takahara</i>		2/7/05		UNIT	MM		PRODUCT FAMILY		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 91605	AA	OF

## CAT. NO. &amp; 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

## NOTES

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

## REVISIONS

REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Cat. No.	J05-0055	H.T	2/4/'05

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

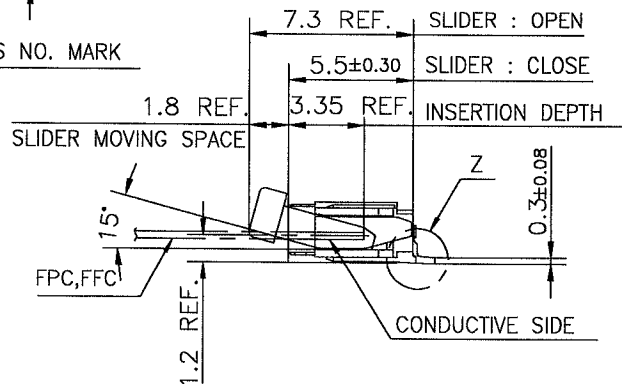
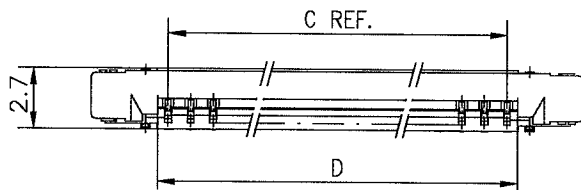
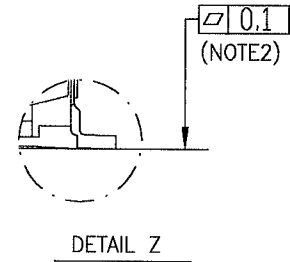
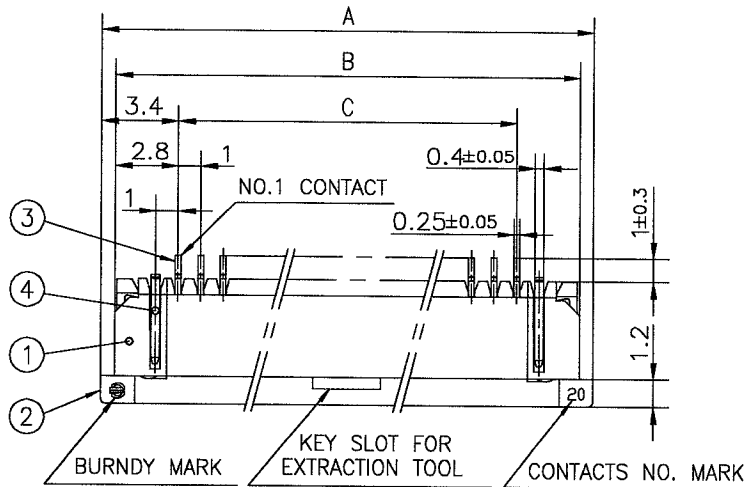
FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

LEAD FREE

SHEET INDEX	ISSUE	AA																			
	SH NO.	1																			
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)												
LINEAR			ENGR <i>H. Takahara</i>		2/7/05		 THIRD ANGLE PROJ														
ANGLES			CHK <i>H. Takahara</i>		2/7/05		UNIT MM <del>INCH</del>		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 A	DWG. NO. JSA 95860	REV AA	SHEET 1 of 1		

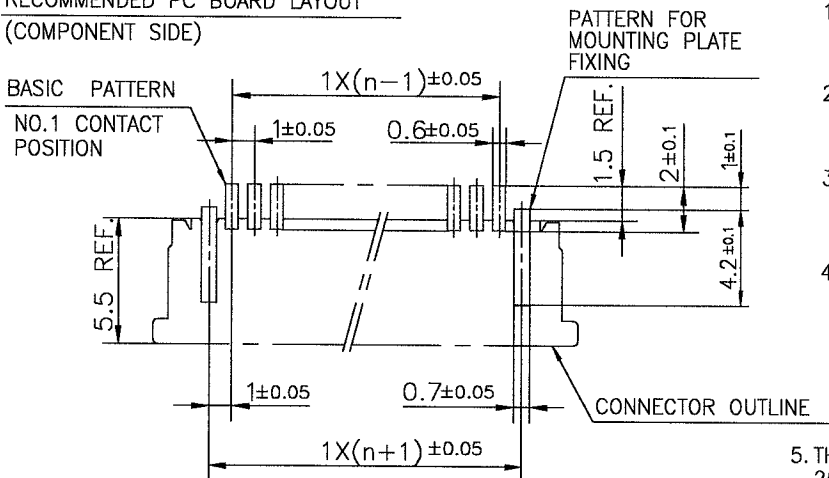
REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Coplanarity	J04-0180	H.T	7/2/'04
AB	Changed Cat. No.	J05-0055	H.T	2/4/'05
AC	Added heat resistance	J05-0736	H.T	10/28/'05



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER		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

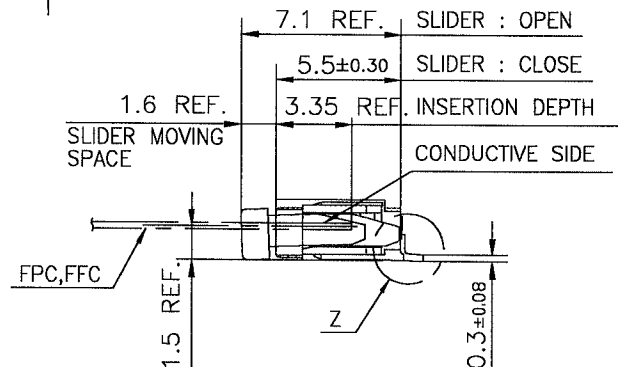
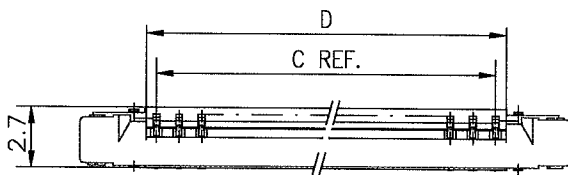
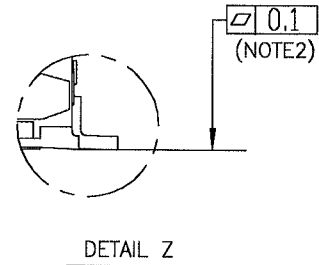
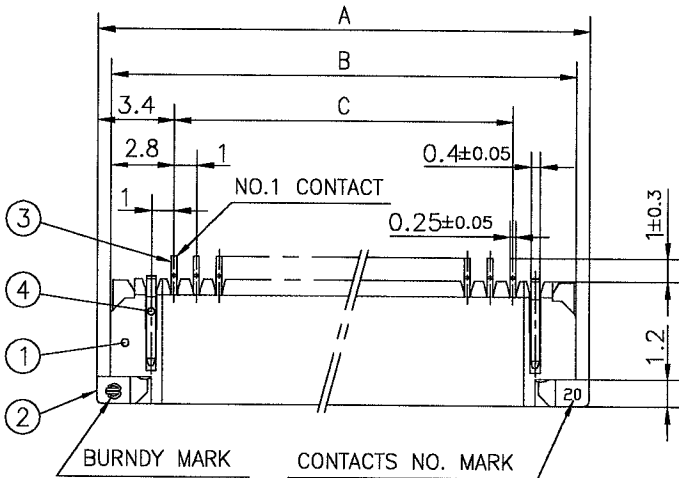
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES 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									TITLE	1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3ST__LF)			
	SH NO.	1													
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR		DATE		CUSTOMER COPY									
LINEAR	±0.2	ENGR		10/31/05		THIRD ANGLE PROJ									
		CHK		10/31/05											
ANGLES		APPB		11/1/05		UNIT		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 95861	AC	1 of 1

SC\_SFW11 JSA95860

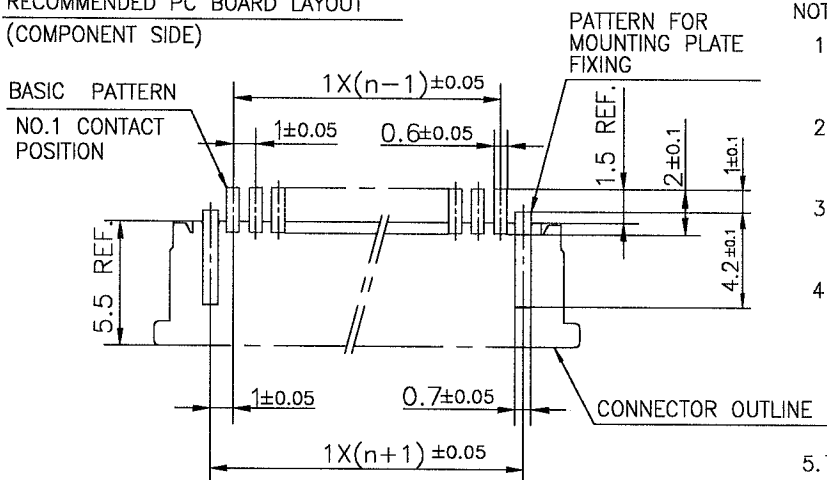
REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed Coplanarity	J04-0180	H.T	7/2/'04
AB	Changed Cat. No.	J05-0055	H.T	2/4/'05
AC	Added heat resistance	J05-0736	H.T	10/28/'05



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS 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)



#### 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													<div><div>A</div><div>FCI</div></div>		
	SH NO.	1															
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	<i>[Signature]</i>					DATE	10/28/05		CUSTOMER COPY	TITLE 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4ST__LF)				
LINEAR	±0.2		ENGR	<i>[Signature]</i>						10/31/05							
			CHK	<i>[Signature]</i>						10/31/05		THIRD ANGLE PROJ					
ANGLES			APPD	<i>[Signature]</i>						11/1/05		UNIT	MM INCH		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 95862	AC	1 OF 1

SC\_SFW11 JSA95860

## CAT. NO. &amp; DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-3/4STE1 LF	20.4	16	—
5	SFW5R-3/4STE1 LF	28.4	24	—
6	SFW6R-3/4STE1 LF	28.4	24	—
7	SFW7R-3/4STE1 LF	28.4	24	—
8	SFW8R-3/4STE1 LF	28.4	24	—
9	SFW9R-3/4STE1 LF	28.4	24	—
10	SFW10R-3/4STE1 LF	28.4	24	—
11	SFW11R-3/4STE1 LF	28.4	24	—
12	SFW12R-3/4STE1 LF	28.4	24	—
13	SFW13R-3/4STE1 LF	36.4	32	28.4
14	SFW14R-3/4STE1 LF	36.4	32	28.4
15	SFW15R-3/4STE1 LF	36.4	32	28.4
16	SFW16R-3/4STE1 LF	36.4	32	28.4
17	SFW17R-3/4STE1 LF	48.4	44	40.4
18	SFW18R-3/4STE1 LF	48.4	44	40.4
19	SFW19R-3/4STE1 LF	48.4	44	40.4
20	SFW20R-3/4STE1 LF	48.4	44	40.4
21	SFW21R-3/4STE1 LF	48.4	44	40.4
22	SFW22R-3/4STE1 LF	48.4	44	40.4
23	SFW23R-3/4STE1 LF	48.4	44	40.4
24	SFW24R-3/4STE1 LF	48.4	44	40.4
25	SFW25R-3/4STE1 LF	48.4	44	40.4
26	SFW26R-3/4STE1 LF	48.4	44	40.4
27	SFW27R-3/4STE1 LF	48.4	44	40.4
28	SFW28R-3/4STE1 LF	60.4	56	52.4
29	SFW29R-3/4STE1 LF	60.4	56	52.4
30	SFW30R-3/4STE1 LF	60.4	56	52.4

## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPE 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.

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

CAT. NO.

SFW (n) R - 3 ST E1 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)

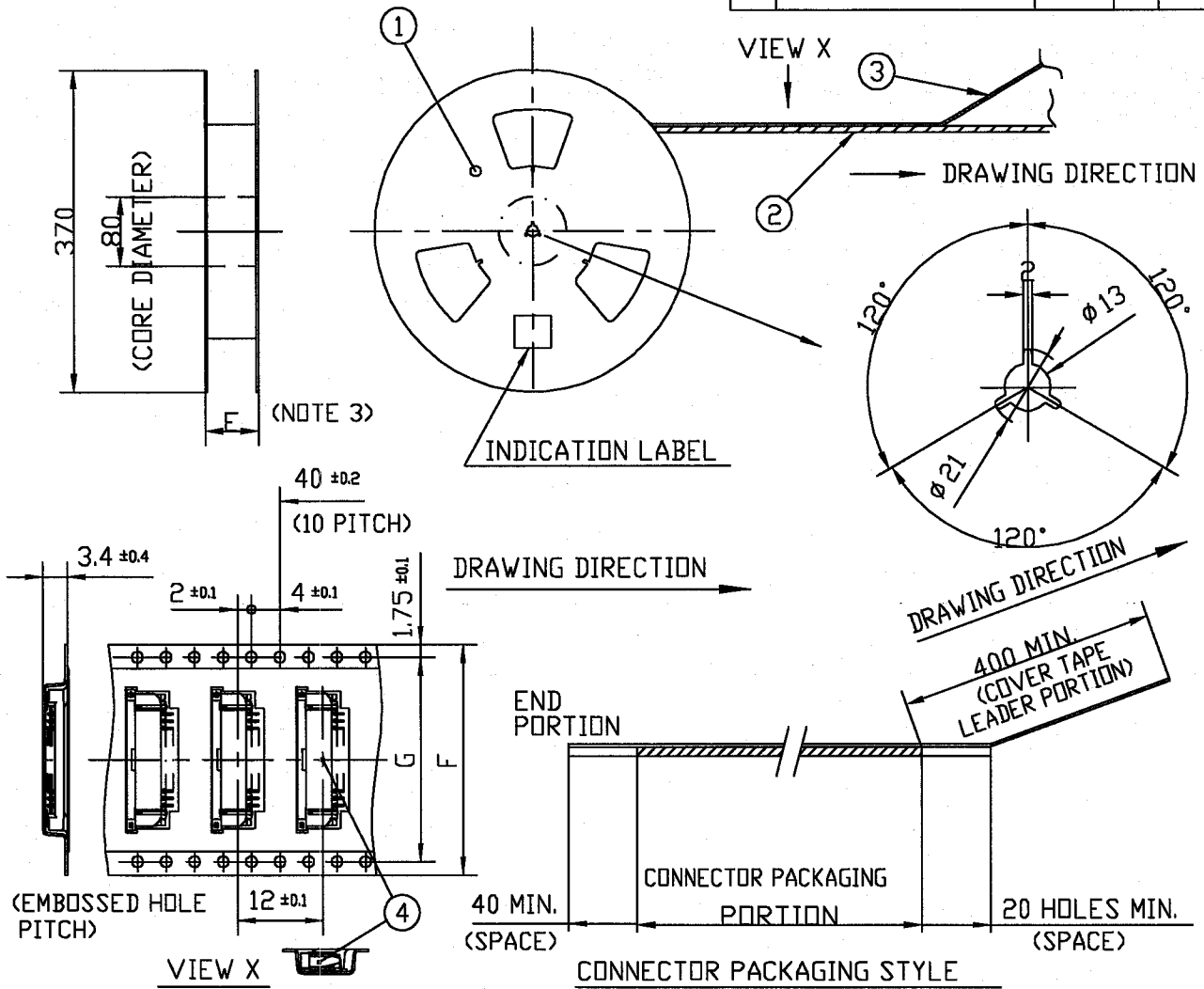
TAPE PACKAGING

LEAD FREE

SHEET INDEX	ISSUE	AA																									
	SH NO.	1																									
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR		A. KOBAYASHI		DATE		2/4/05		CUSTOMER COPY		TITLE CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STE1 LF)														
LINEAR			ENGR		<i>H. Taketani</i>		2/7/05		THIRD ANGLE PROJ		UNIT												MM		INCH		
ANGLES			CHK		<i>H. Taketani</i>		2/7/05		APPD		<i>M. Shinagawa</i>		2/7/05		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 95863		AA		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

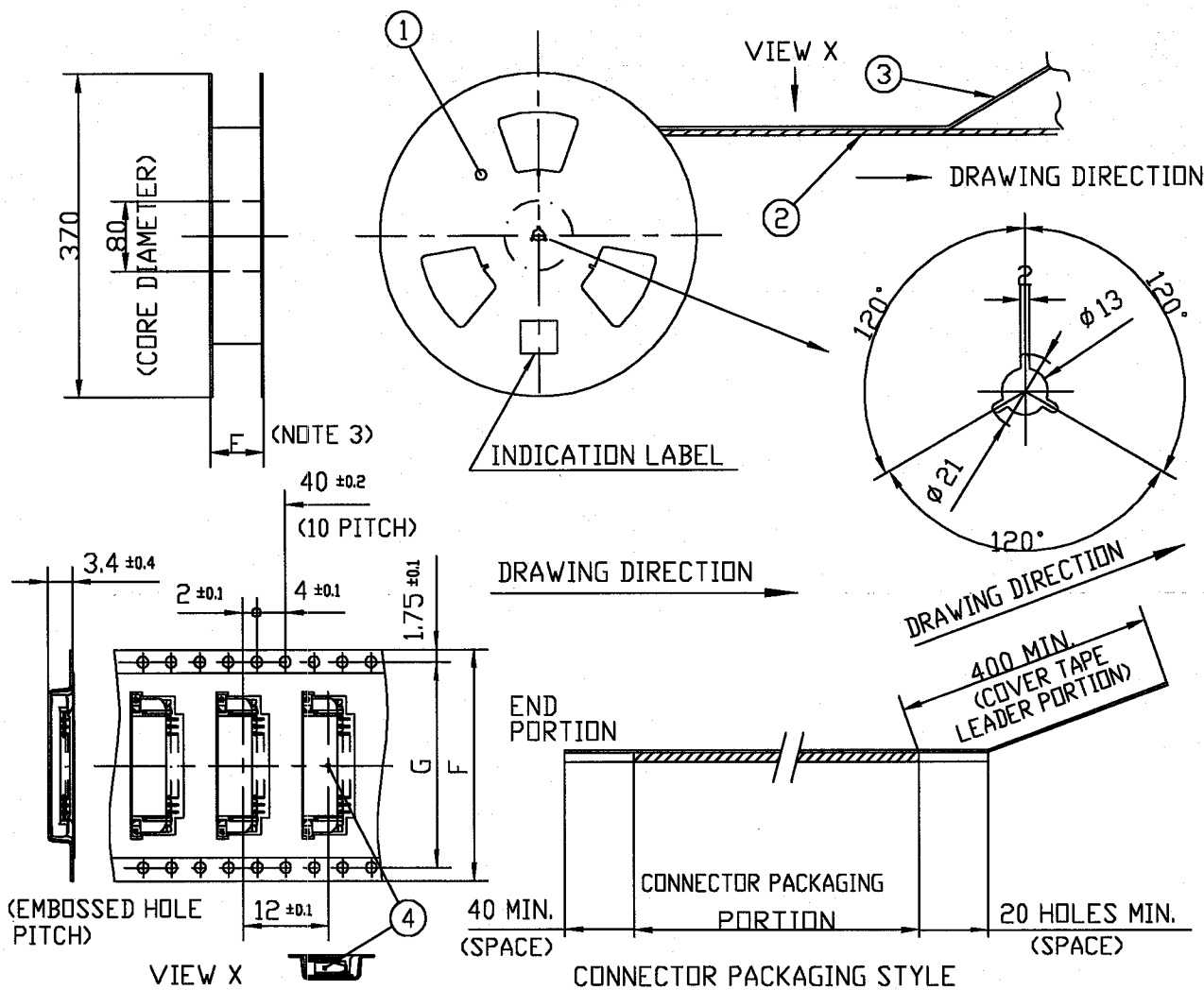
#### NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM 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	<b>TITLE</b> PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-3STE1 LF)							
LINEAR		ENGR	<i>[Signature]</i>			<i>[Signature]</i>		THIRD ANGLE PROJ 								
		CHR	<i>[Signature]</i>			<i>[Signature]</i>										
ANGLES		APPD	<i>[Signature]</i>			<i>[Signature]</i>		UNIT	MM <del>INCH</del>							
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 95864	AA	OF

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

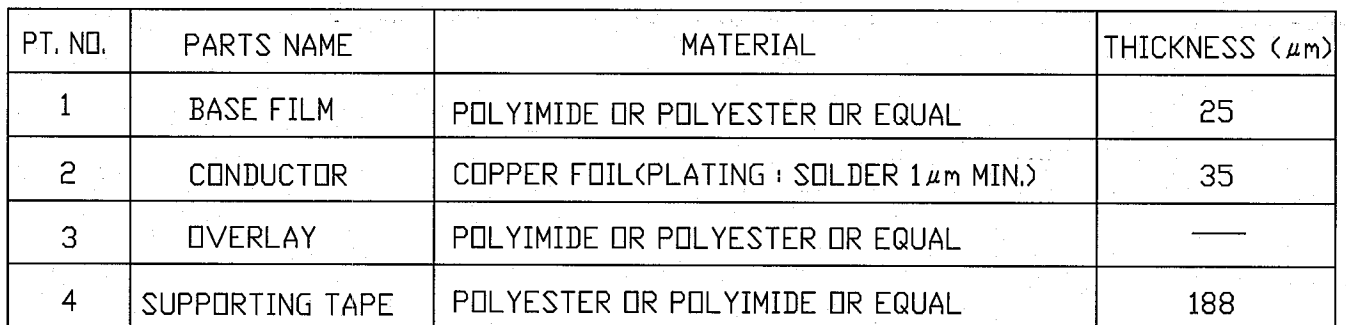






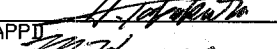
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	CARDBOARD	1	COLOR: WHITE
2	PLASTIC (EMBOSS) TAPE	—	PET	—	COLOR: TRANSPARENCY
3	COVER	—	POLYESTER	—	COLOR: TRANSPARENCY
4	CONNECTOR	SFW__R-4ST__LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

#### 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	<div style="text-align: center;"> </div> <b>TITLE</b> PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STE1 LF)																
LINEAR			ENGR	<i>H. Kobayashi</i>			2/7/05																					
ANGLES			CHK	<i>H. Kobayashi</i>			2/7/05	THIRD ANGLE PROJ																				
			APPD	<i>M. Kobayashi</i>			2/7/05	UNIT $\frac{MM}{INCH}$																				
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.										PRODUCT FAMILY	58JF			CODE JP											
DF-140A REV A			SCALE										SIZE	A			DWG. NO.	JSA 95865			REV	AA			SHEET	OF		

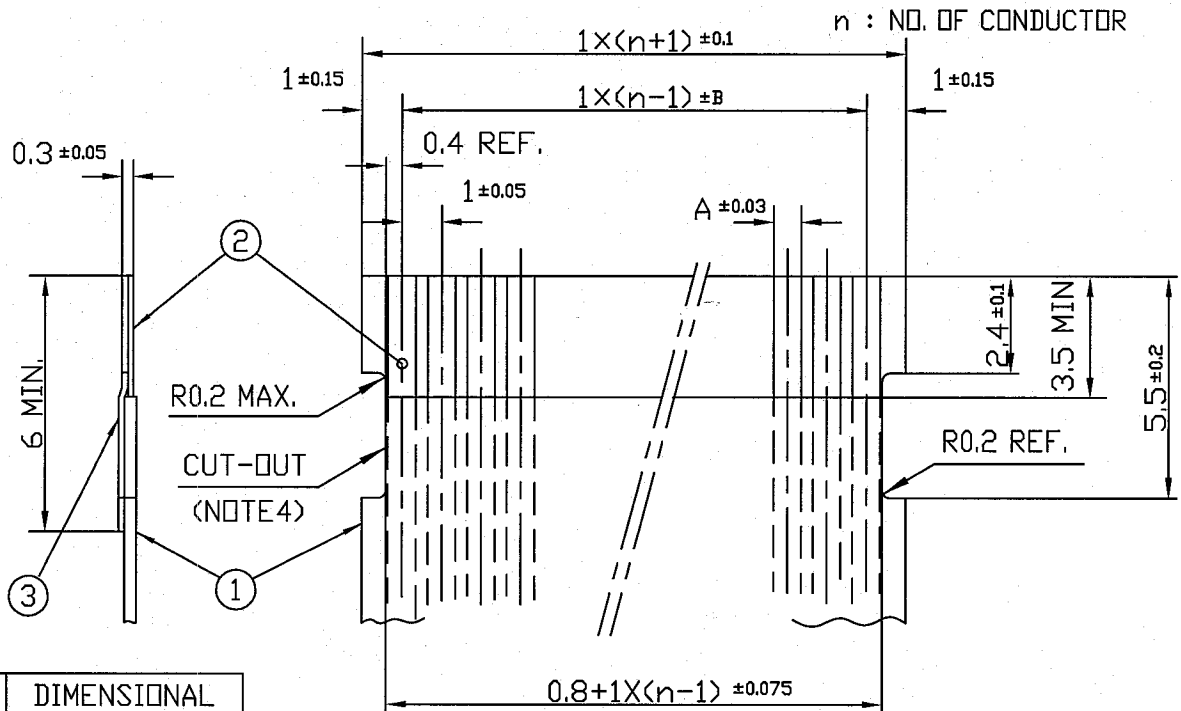
RECOMMENDED CABLE (FPC)

- |                                       |        |    |   |   |  |  |        |   |  |  |                       |                |       |   |            |   |       |
|---------------------------------------|--------|----|---|---|--|--|--------|---|--|--|-----------------------|----------------|-------|---|------------|---|-------|
| SHEET<br>INDEX                        | ISSUE  | AA |   |   |  |  |        |   |  |  |                       |                |       |   |            |  |       |
|                                       | SH NO. | 1  |   |   |  |  |        |   |  |  |                       |                |       |   |            |   |       |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |        |    | DR  | A. KOBAYASHI  |  |  | DATE   | 2/4/05  |  |  | CUSTOMER COPY         |                |       | TITLE<br>RECOMMENDED CABLE<br>(Cat. No. SFW__R-3/4__)<br> |            |   |       |
| LINEAR                                |        |    | ENGR  |  |  |  | 2/7/05 |  |  |  | THIRD ANGLE PROJ      |                |       |   |            |   |       |
|                                       |        |    | CHK   |  |  |  | 2/7/05 |   |  |  |                       |                |       |   |            |   |       |
|                                       |        |    | APPR  |  |  |  | 2/7/05 | UNIT  |  |  | MM<br><del>INCH</del> |                |       |   |            |   |       |
| ANGLES                                |        |    |   |   |  |  |        |   |  |  |                       | PRODUCT FAMILY |       |   | CODE<br>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 93212  | AA  | OF    |

## RECOMMENDED CABLE (FFC)

## REVISIONS


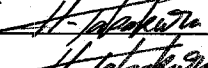
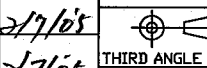
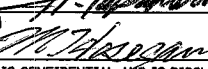
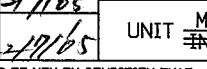
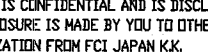
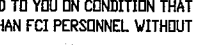
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed form.	J05-0055	H.T	2/4/'05



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

- NOTES 1. THIS DRAWING INDICATES THE FFC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
2. NO BURR AT EACH PORTION.
3. NO PEELING IN COMMON USE.
4. THERE IS A POSSIBILITY THAT THE CUT-OUT CROSSES THE CONDUCTOR BECAUSE OF DIMENSIONAL TOLERANCE.
5. 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__)				
		ENGR				2/7/05				THIRD ANGLE PROJ						
LINEAR		CHK				2/7/05				UNIT		PRODUCT FAMILY CODE JP				
ANGLES		APPD				2/7/05				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 KK.										SCALE	SIZE	DWG. NO.	REV	SHEET
DF-140A REV A												-	A	JSA 93213	AA	OF



Technical drawing of a 10-pin connector. The drawing includes a top view, a side view, and a detail view (DETAIL Z).

**Top View Dimensions:**

- A: Overall length
- B: Length to the start of the contacts
- C: Length to the end of the contacts
- 3.4: Distance from the left edge to the first contact
- 2.8: Distance between contacts
- 1: Contact width
- 0.4±0.05: Contact pitch
- 0.25±0.05: Contact thickness
- 1±0.3: Contact height
- 1.2: Distance from the bottom edge to the contacts
- 20: Contact number

**Callouts:**

- NO.1 CONTACT
- BURNDY MARK
- KEY SLOT FOR EXTRACTION TOOL
- CONTACTS NO. MARK

**Side View Dimensions:**

- C REF.: Reference length
- D: Overall width
- 2.7: Width of the contacts

**DETAIL Z:**

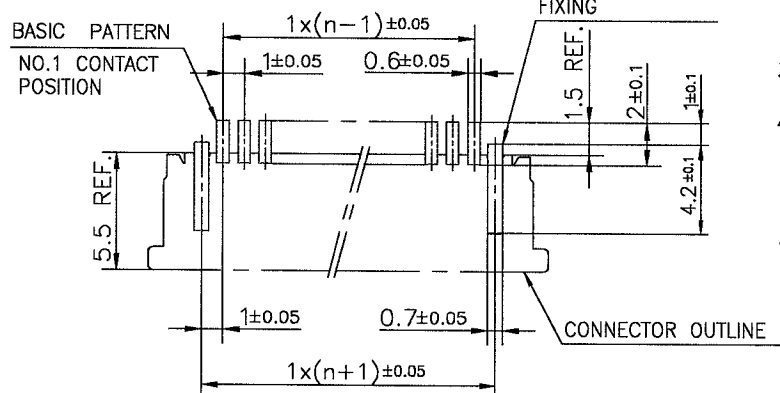
- 0.1: Detail dimension
- (NOTE2)

**Slider and Insertion Details:**

- 7.3 REF.: Reference length for slider
- SLIDER : OPEN
- 5.5±0.3: Slider moving space
- SLIDER : CLOSE
- 3.35 REF.: Reference length for insertion depth
- INSERTION DEPTH
- 1.8 REF.: Reference length for slider moving space
- SLIDER MOVING SPACE
- 15°: Angle of the slider
- CIC: Contact Insertion Channel
- CONDUCTIVE SIDE
- 0.3±0.08: Distance from the bottom edge to the contacts

n : NO. OF CONTACTS  
NOTES

BASIC	PATTERN
NO.1 CONTACT POSITION	

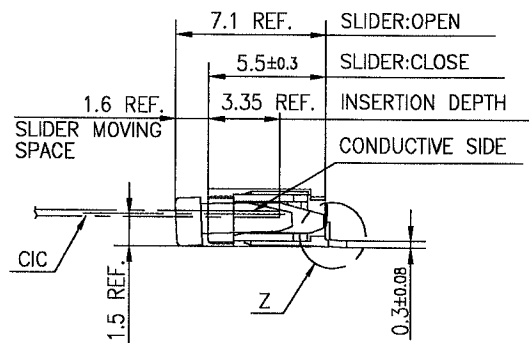
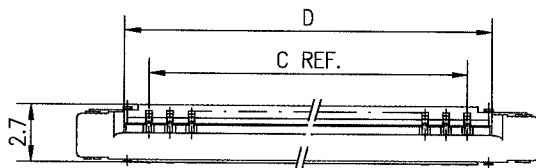


1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS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

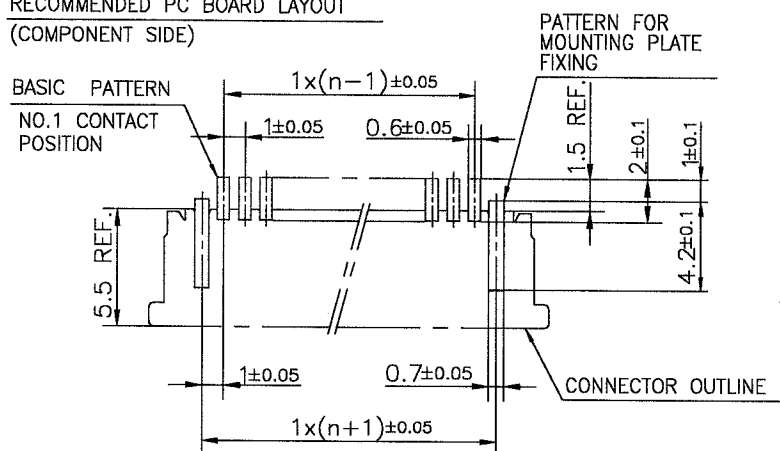
SC-SFW12 JSA95866

Technical drawing of a contact assembly with dimensions and labels:

- Overall width:  $A$
- Distance from left edge to first contact:  $B$
- Distance between contacts:  $C$
- Distance from left edge to first contact:  $3.4$
- Distance between contacts:  $2.8$
- Distance between contacts:  $1$
- Distance between contacts:  $0.4 \pm 0.05$
- Distance between contacts:  $0.25 \pm 0.05$
- Distance between contacts:  $1 \pm 0.3$
- Distance between contacts:  $1.2$
- Distance between contacts:  $20$
- Labels: NO.1 CONTACT, BURNDY MARK, CONTACTS NO. MARK
- Dimensions:  $0.4 \pm 0.05$ ,  $0.25 \pm 0.05$ ,  $1 \pm 0.3$ ,  $1.2$ ,  $20$
- Callouts: 1, 2, 3, 4

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)



1. THIS PRODUCT IS THE CONNECTOR USED FOR CIC 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 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.

Printed: Nov 24, 2005

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. (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      \_\_\_\_\_

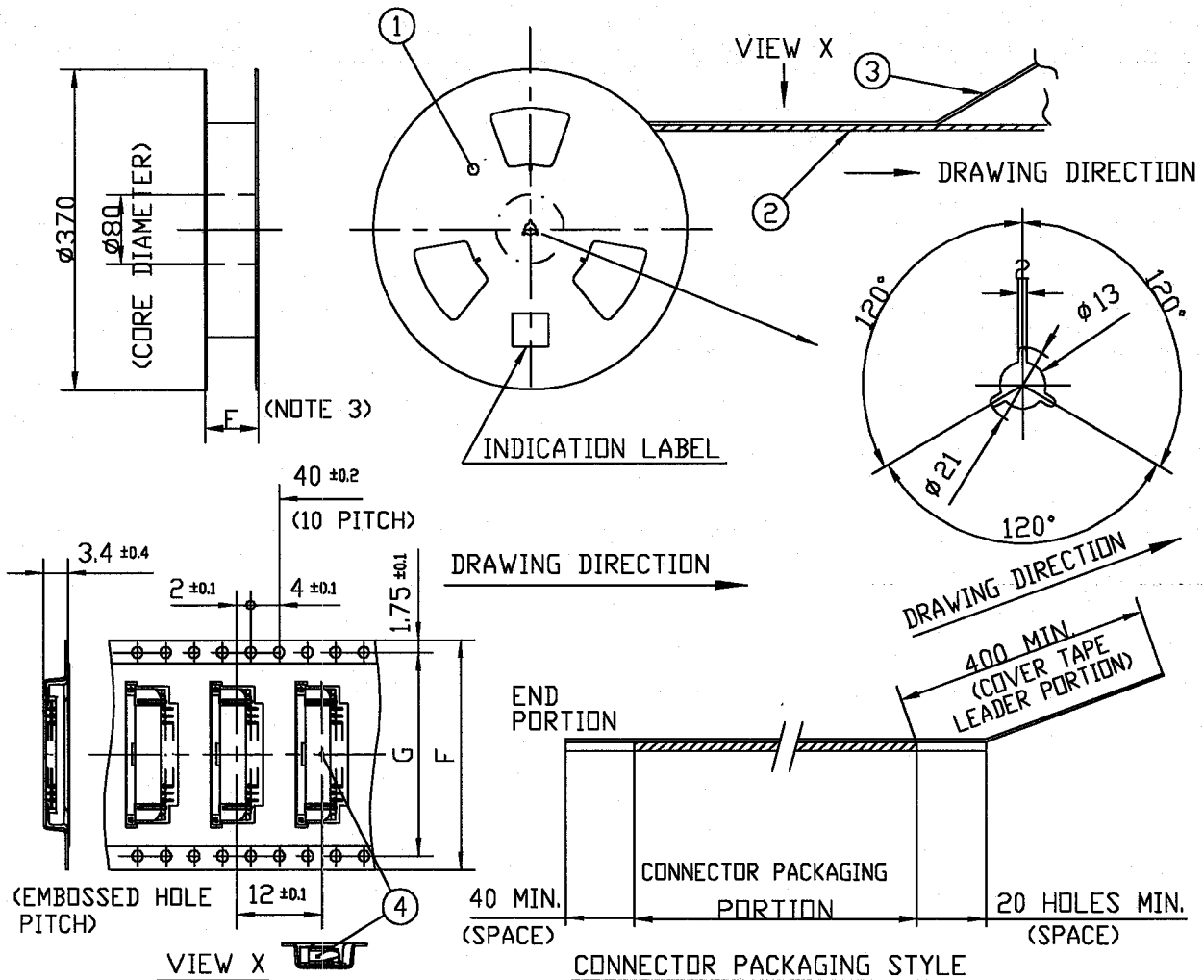
### NOTES

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

SHEET INDEX	ISSUE	AA																		
	SH NO.	1																		
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR		M. MIZUTANI		DATE		2/4/05		CUSTOMER COPY		TITLE CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.NO. SFW__R-5/6STE1LF)  PRODUCT FAMILY 58JF CODE JP								
LINEAR		ENGR		<i>H. Takahashi</i>		DATE		2/7/05		 THIRD ANGLE PROJ										
		CHK		<i>H. Takahashi</i>		DATE		2/7/05												
		APPD		<i>M. Hasegawa</i>		DATE		2/7/05												
ANGLES										UNIT		MM		INCH						
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																2	A	JSA 95869	AA	1 OF 1

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

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



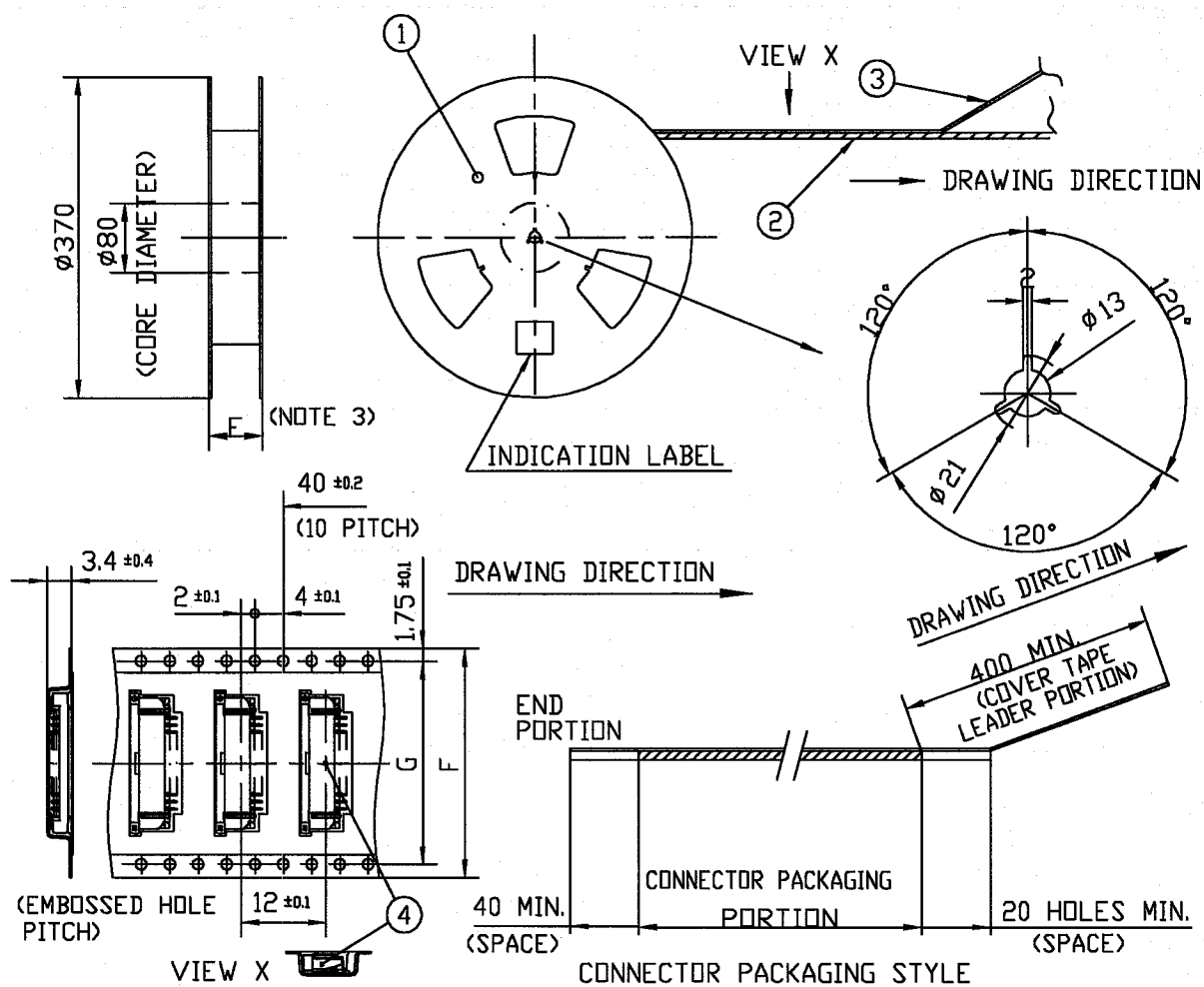
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW_R-5ST_LF	SEE ATTACHED DWG	2000	LOWER CONTACT TYPE

#### NOTES

- 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												
	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											
ANGLES			CHK											
			APPD											
			THIRD ANGLE PROJ		UNIT		MM		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										X	A	JSA 95870	AA	1 OF 1

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

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.


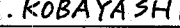



SHEET INDEX	ISSUE	AA														 <b>FCI</b>								
	SH NO.	1																						
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	M. MIZUTANI			DATE	2/17/05			CUSTOMER COPY			TITLE PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.NO. SFW__R-6STE1LF)										
LINEAR			ENGR				2/17/05			 THIRD ANGLE PROJ.														
			CHK				2/17/05																	
ANGLES			APPD				2/17/05			UNIT			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.											PRODUCT FAMILY			58JF			CODE JP				
DF-140A REV A														SCALE		SIZE		DWG. NO.			REV		SHEET	
														X		A		JSA 95871			AA		1 OF 1	

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
1	Insertion inspection mark added.			4/12/'93
AA	Changed form.	J05-0055	H.T	2/4/'05

Technical drawing of a 100mm wide, 5.5mm high inspection mark. The drawing shows a central area with vertical lines and a central gap. Dimensions include  $1 \times (n+1) \pm 0.1$ ,  $1 \times (n-1) \pm 0.05$ ,  $0.3 \pm 0.05$ ,  $1 \pm 0.15$ ,  $1 \pm 0.05$ ,  $0.7 \pm 0.08$ , R0.4 REF., 3 MIN.,  $3.3 \pm 0.3$ , 1.7 REF., 0.2 REF., 0.45 MAX., 4 MIN., and 5.5 MIN. Callouts 1, 2, 3, and 4 point to specific features. The text "INSERTION INSPECTION MARK" is at the bottom.

PT. NO.	PARTS NAME	MATERIAL	THICKNESS ( $\mu\text{m}$ )	
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																	
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR A. KOBAYASHI	DATE 2/4/05	CUSTOMER COPY	TITLE  RECOMMENDED CABLE  (Cat. No. SFW__R-5/6__ )													
LINEAR			ENGR 	2/7/05															
			CHK 	2/7/05		THIRD ANGLE PROJ													
			APPD 	2/7/05	UNIT MM <del>INCH</del>														
ANGLES						PRODUCT FAMILY												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 A	DWG. NO. JSA 91675	REV AA	SHEET 0F
DF-140A REV A															SCALE	SIZE	DWG. NO.	REV	SHEET