

CAT. NO. & DIMENSIONS

(NOTE3)	NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)		
			A ± 0.2	B ± 0.2	C ± 0.1
	4	HFW4R-1/2ST__LF	6.6	3	5.14
	5	HFW5R-1/2ST__LF	7.6	4	6.14
	6	HFW6R-1/2ST__LF	8.6	5	7.14
	7	HFW7R-1/2ST__LF	9.6	6	8.14
	8	HFW8R-1/2ST__LF	10.6	7	9.14
	9	HFW9R-1/2ST__LF	11.6	8	10.14
	10	HFW10R-1/2ST__LF	12.6	9	11.14
	11	HFW11R-1/2ST__LF	13.6	10	12.14
	12	HFW12R-1/2ST__LF	14.6	11	13.14
	13	HFW13R-1/2ST__LF	15.6	12	14.14
	14	HFW14R-1/2ST__LF	16.6	13	15.14
	15	HFW15R-1/2ST__LF	17.6	14	16.14
	16	HFW16R-1/2ST__LF	18.6	15	17.14
	17	HFW17R-1/2ST__LF	19.6	16	18.14
	18	HFW18R-1/2ST__LF	20.6	17	19.14
	19	HFW19R-1/2ST__LF	21.6	18	20.14
	20	HFW20R-1/2ST__LF	22.6	19	21.14
	21	HFW21R-1/2ST__LF	23.6	20	22.14
	22	HFW22R-1/2ST__LF	24.6	21	23.14
	23	HFW23R-1/2ST__LF	25.6	22	24.14
	24	HFW24R-1/2ST__LF	26.6	23	25.14
	25	HFW25R-1/2ST__LF	27.6	24	26.14
	26	HFW26R-1/2ST__LF	28.6	25	27.14
	27	HFW27R-1/2ST__LF	29.6	26	28.14
*	28	HFW28R-1/2ST__LF	30.6	27	29.14
*	29	HFW29R-1/2ST__LF	31.6	28	30.14
	30	HFW30R-1/2ST__LF	32.6	29	31.14

REVISIONS

REV	DESCRIPTION	ECN	BY	DATE
A	Released	J04-0027	H.T	4/6/'04
B	Changed CAT.NO.	J05-0056	H.T	2/4/'05

CAT. NO. HFW (n) R - 1 ST __ LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE


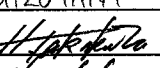
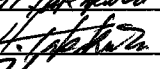
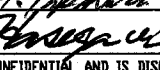
FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

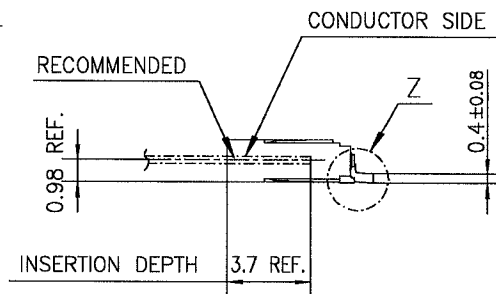
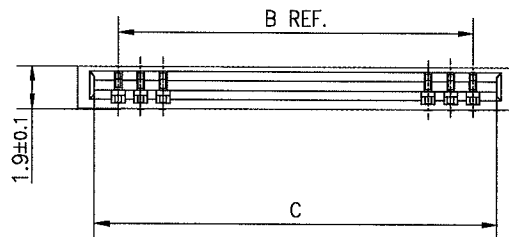
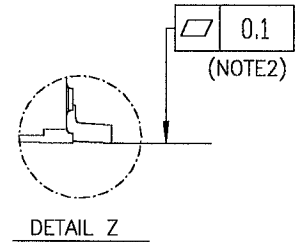
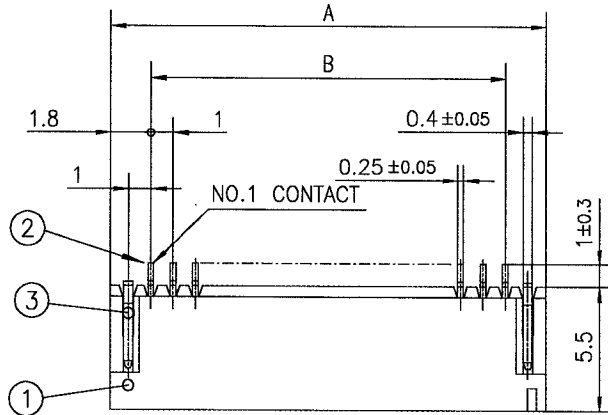
LEAD FREE

NOTES

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

SHEET INDEX	ISSUE	B														
	SH NO.	1														
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR		M. MIZUTANI		DATE		2/4/05		CUSTOMER COPY		TITLE CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. HFW__R-1/2ST__LF)			
LINEAR			ENGR				2/4/05		THIRD ANGLE PROJ		UNIT		MM		PRODUCT FAMILY 58JF	
			CHK				2/4/05				INCH				CODE JP	
ANGLES			APPR				2/4/05									
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.																
DF-140A REV A	SCALE X										SIZE A	DWG. NO. JSA 95923		REV B	SHEET 1 OF 1	

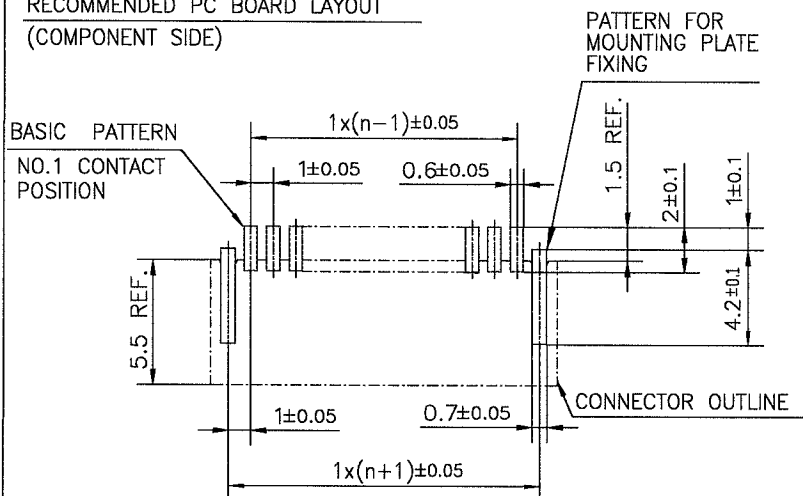
REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	Released	J04-0027	H.T	4/6/04
B	Changed CAT.NO.	J05-0056	H.T	2/4/05
C	Added heat resistance	J05-0732	H.T	10/28/05



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN (LEAD FREE)
3	MOUNTING PLATE		2	

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPS WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR 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

SHEET INDEX	ISSUE	C											TITLE 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (Cat. No. HFW__R-2ST__LF)				
	SH NO.	1															
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR		DATE		CUSTOMER COPY		PRODUCT FAMILY 58JF				CODE JP				
±0.2			ENGR		10/21/05		THIRD ANGLE PROJ										
LINEAR			CHK		10/21/05		UNIT		MM		INCH		SCALE X	SIZE A	DWG. NO. JSA 95925	REV C	SHEET 1 OF 1
ANGLES			APPD		11/11/05												
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.																	

JSA95923

CAT. NO. & DIMENSIONS

(NOTE4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			E ± 5	F ± 0.3	G ± 0.1
	4	HFW4R-1/2STE1LF	28.4	24	—
	5	HFW5R-1/2STE1LF	28.4	24	—
	6	HFW6R-1/2STE1LF	28.4	24	—
	7	HFW7R-1/2STE1LF	28.4	24	—
	8	HFW8R-1/2STE1LF	28.4	24	—
	9	HFW9R-1/2STE1LF	28.4	24	—
	10	HFW10R-1/2STE1LF	28.4	24	—
	11	HFW11R-1/2STE1LF	28.4	24	—
	12	HFW12R-1/2STE1LF	28.4	24	—
	13	HFW13R-1/2STE1LF	28.4	24	—
	14	HFW14R-1/2STE1LF	28.4	24	—
	15	HFW15R-1/2STE1LF	36.4	32	28.4
	16	HFW16R-1/2STE1LF	36.4	32	28.4
	17	HFW17R-1/2STE1LF	36.4	32	28.4
	18	HFW18R-1/2STE1LF	36.4	32	28.4
	19	HFW19R-1/2STE1LF	48.4	44	40.4
	20	HFW20R-1/2STE1LF	48.4	44	40.4
	21	HFW21R-1/2STE1LF	48.4	44	40.4
	22	HFW22R-1/2STE1LF	48.4	44	40.4
	23	HFW23R-1/2STE1LF	48.4	44	40.4
	24	HFW24R-1/2STE1LF	48.4	44	40.4
	25	HFW25R-1/2STE1LF	48.4	44	40.4
	26	HFW26R-1/2STE1LF	48.4	44	40.4
	27	HFW27R-1/2STE1LF	48.4	44	40.4
*	28	HFW28R-1/2STE1LF	48.4	44	40.4
*	29	HFW29R-1/2STE1LF	48.4	44	40.4
	30	HFW30R-1/2STE1LF	60.4	56	52.4

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE 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. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

REVISIONS

REV	DESCRIPTION	ECN	BY	DATE
A	Released	J04-0027	H.T	4/6/'04
B	Changed CAT.NO.	J05-0056	H.T	2/4/'05

CAT. NO. HFW (n) R - 1 ST E1 LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE


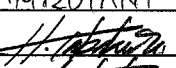

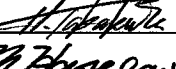

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

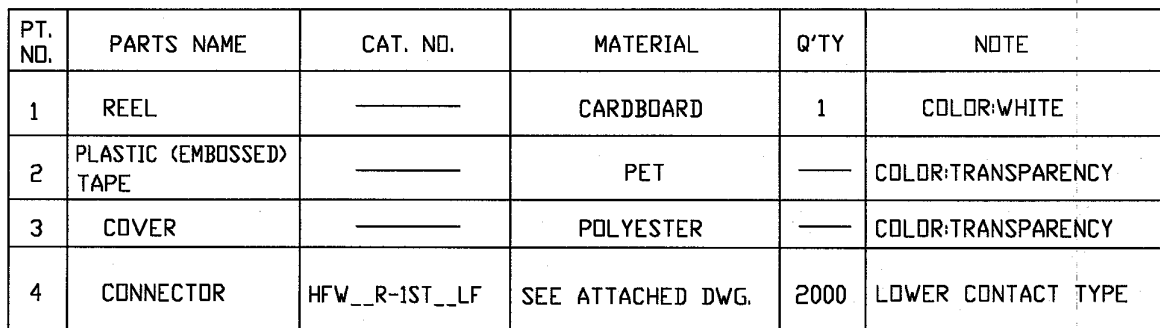
TAPE PACKAGING

LEAD FREE

SHEET INDEX	ISSUE	B																				
	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 CONN. (Cat.No. HFW__R-1/2STE1LF)									
LINEAR			ENGR				>1/4"±5				THIRD ANGLE PROJ											
ANGLES			CHK				>1/4"±5				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													X		A		JSA 95926		B		1 OF 1	

JSA95927,95928

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	Released	J04-0027	H.T	4/6/'04
B	Changed CAT.NO.	J05-0056	H.T	2/4/'05

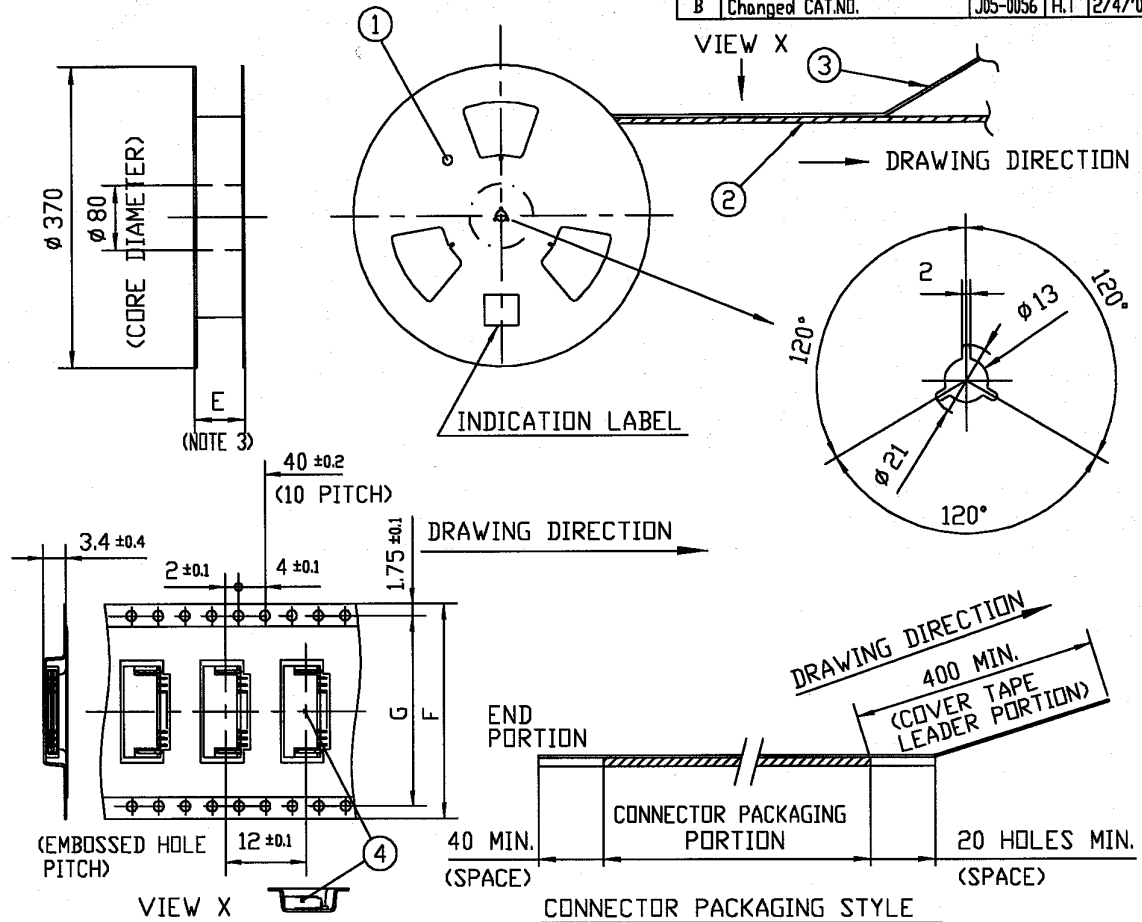


1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPELS WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSSED) TAPE AND REEL.
3. E DIMENSION IS PORTION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

[illegible]

TOLERANCES
UNLESS OTHERWISE SPECIFIED: ± 5 , ANGLE ± 5

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	Released	J04-0027	H.T	4/6/04
B	Changed CAT.NO.	J05-0056	H.T	2/4/05



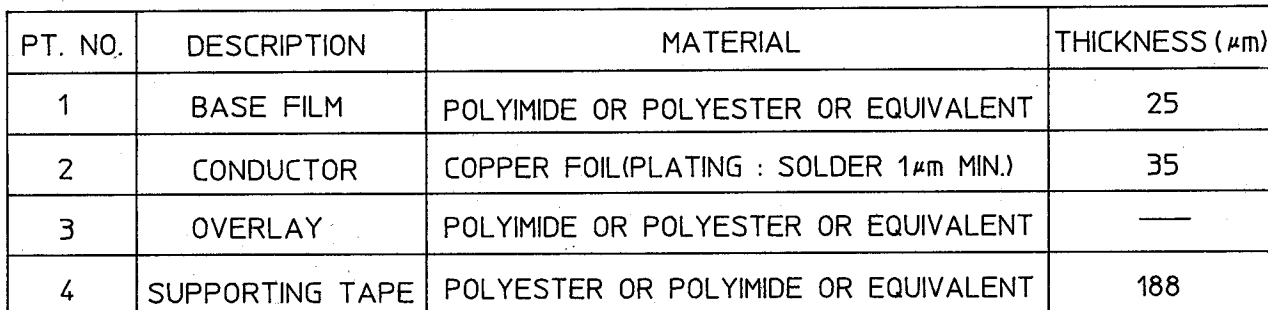
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	CARDBOARD	1	COLOR: WHITE
2	PLASTIC (EMBOSSED) TAPE	—	PET	—	COLOR: TRANSPARENCY
3	COVER	—	POLYESTER	—	COLOR: TRANSPARENCY
4	CONNECTOR	HFV__R-2ST__LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES


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

SHEET INDEX	ISSUE	B													
	SH. NO.	1													
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	H. MIZUTANI			DATE	2/4/05			CUSTOMER COPY				
LINEAR			ENGR				2/4/05								
			CHK				2/4/05	THIRD ANGLE PROJ.							
ANGLES			APPD				2/4/05	UNIT: $\frac{MM}{INCH}$							
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PRODUCT FAMILY 58JF													CODE JP		
SCALE X SIZE A DWG. NO. JSA 95928													REV B SHEET 1 OF 1		

n : NO. OF CONDUCTORS



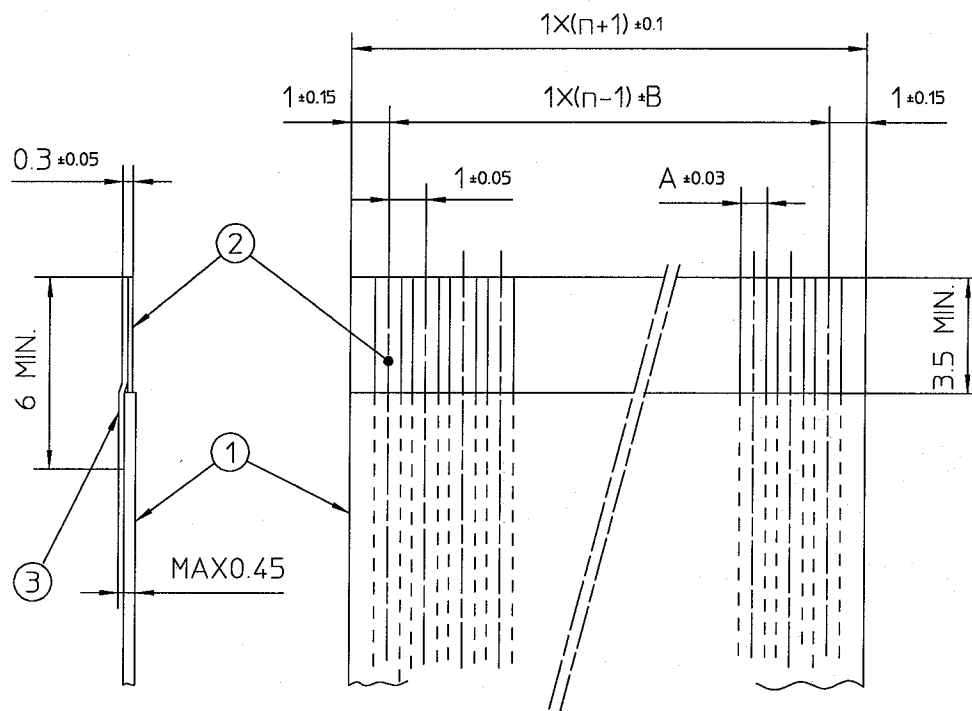
1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.

				SCALE	X	RECOMMENDED CABLE	
				DIM. IN	mm	CAT. NO.	
				DESIGNED	M. Yokoshima	HFW__R-1/2__	
REV.	DATE	DESCRIPTION	CKD.	DRAWN	M. Iituba	DRAWING NO.	REV.
MATERIAL				CHECKED	S. Onoto	JSA 93573	0
				APPROVED	K. Asai		
				DATE	Mar. 7 '96		

FILE

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTORS




(NOTE 3)	DIMENSION A	TOLERANCE B
1	0.7	0.1
2	0.6	0.07

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

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. BOTH COMBINATION IS ALLOWED.

					SCALE	×	RECOMMENDED CABLE	
					DIM. IN	mm	CAT. NO.	
					DESIGNED	M.Yokoshima	HFW__R-1/2__	
					DRAWN	M.Iituka	DRAWING NO.	REV.
					CHECKED	S.Omote	JSA 93574	1
1	'02 4-30	DIMENTION CHANGED	T.M	H.T.	APPROVED	K.Asai	 DF-136 REV.B	
REV.	DATE	DESCRIPTION	DWN.	APPD.	DATE	Mar.1.'96		

FILE