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Configuration of Documents

P/N	Documents	No.	Title	CAT. No.
HFW_S-2STE1	Specification Connector dwg.	SC-HFWS01	CONNECTOR USED FOR FPC/FPC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING & SMT	HFW_S-2STE1
		JSA93586	CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-2ST
		JSA93585	1mm SPACING SURFACE MOUNT FPC/FPC CONNECTOR	HFW_S-2ST
		JSA93584	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-2STE1
		JSA93583	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	HFW_S-2STE1
HFW_S-6STE1	Cable dwg.	JSA93588	RECOMMENDED CABLE	HFW_S-2ST
		JSA93587	RECOMMENDED CABLE	HFW_S-2ST
	Specification Connector dwg.	SC-HFWS02	CONNECTOR USED FOR CIC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING & SMT	HFW_S-6STE1
		JSA93940	CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-6ST
		JSA93941	1mm SPACING SURFACE MOUNT CIC CONNECTOR	HFW_S-6ST
	Cable dwg.	JSA93942	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-6STE1
		JSA93943	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	HFW_S-6STE1
		JSA93944	RECOMMENDED CABLE	HFW_S-6ST

mat'l. code				surface 58 ISO 1302		tolerance 406 ISO 1101		projection 		product family 580F		CODE JP			
ltr		ecn no		dr		date		tolerances unless otherwise specified		title HFWS Documents Cofiguration		dwg no JSA 96063		sheet 1 of 1 size A4	
A		J04-0334		H.T		10/13/'04		angles							
B		J06-0435		H.T		10/26/'06		linear							
										mm					
										scale					
sheet index		revision sheet		B 1										Rev. B	

form: A4

PDM: Rev:B

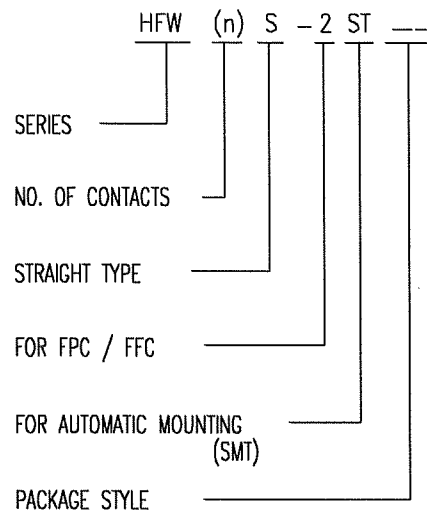
STATUS:Released

Printed: Nov 02, 2010

CAT. NO. & DIMENSIONS

(NOTE 3)	NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)				
			A ± 0.2	B ± 0.2	C ± 0.2	D ± 0.2	E ± 0.2
	4	HFW4S-2ST__	7	5.14	3	—	—
	5	HFW5S-2ST__	8	6.14	4	—	—
	6	HFW6S-2ST__	9	7.14	5	—	—
	7	HFW7S-2ST__	10	8.14	6	—	—
	8	HFW8S-2ST__	11	9.14	7	—	—
	9	HFW9S-2ST__	12	10.14	8	0.35	7.3
	10	HFW10S-2ST__	13	11.14	9	0.35	8.3
	11	HFW11S-2ST__	14	12.14	10	1.35	7.3
	12	HFW12S-2ST__	15	13.14	11	1.35	8.3
	13	HFW13S-2ST__	16	14.14	12	2.35	7.3
	14	HFW14S-2ST__	17	15.14	13	2.35	8.3
	15	HFW15S-2ST__	18	16.14	14	3.35	7.3
	16	HFW16S-2ST__	19	17.14	15	3.35	8.3
	17	HFW17S-2ST__	20	18.14	16	4.35	7.3
	18	HFW18S-2ST__	21	19.14	17	4.35	8.3
	19	HFW19S-2ST__	22	20.14	18	5.35	7.3
	20	HFW20S-2ST__	23	21.14	19	5.35	8.3
	21	HFW21S-2ST__	24	22.14	20	6.35	7.3
	22	HFW22S-2ST__	25	23.14	21	6.35	8.3
	23	HFW23S-2ST__	26	24.14	22	7.35	7.3
	24	HFW24S-2ST__	27	25.14	23	7.35	8.3
	25	HFW25S-2ST__	28	26.14	24	8.35	7.3
	26	HFW26S-2ST__	29	27.14	25	8.35	8.3
	27	HFW27S-2ST__	30	28.14	26	9.35	7.3
	28	HFW28S-2ST__	31	29.14	27	9.35	8.3
	29	HFW29S-2ST__	32	30.14	28	10.35	7.3
	30	HFW30S-2ST__	33	31.14	29	10.35	8.3
*	31	HFW31S-2ST__	34	32.14	30	11.35	7.3
	32	HFW32S-2ST__	35	33.14	31	11.35	8.3
*	33	HFW33S-2ST__	36	34.14	32	12.35	7.3

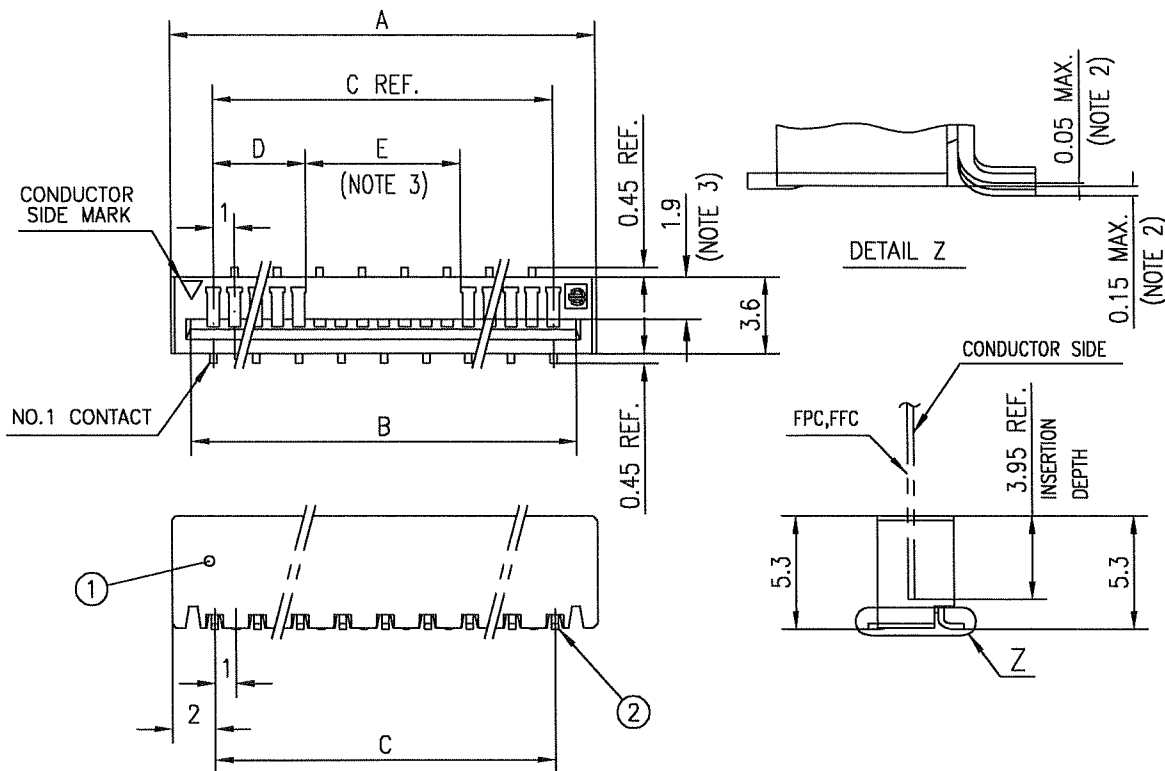
CAT. NO.



NOTES

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

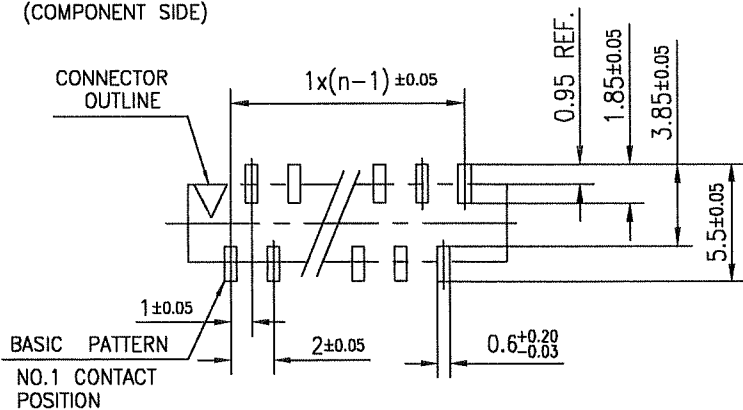
mat'l. code				surface 58 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 580F		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-2ST__)			
AA	J04-0334	H.T	Oct.13,'04	angles		linear		scale X		dwg no		sheet 1 of 1 size	
AB	J06-0435	H.T	10/26/'06							JSA 93586		A4	
				dr		10/26/06				type		Product Customer Drawing	
				enr		10/26/06							
				chr		10/26/06							
				appd		10/27/06							
sheet index		revision sheet 1										Rev. AB	



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 ALLOY

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 MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS DIMENSION IS SPACE FOR THE NOZZLE OF MOUNTER.

mat'l. code				surface 58	tolerance ISO 406	projection	product family 580F	CODE JP
ltr	ecn no	dr	date	ISO 1302	ISO 1101	mm	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (CAT.No.HFW__S-2ST__)	sheet 1 of 1 size A4
AA	J04-0334	H.T	Oct.13,'04	tolerances unless otherwise specified	±0.2			
AB	J06-0435	H.T	10/26/'06	angles	linear	scale X	dwg no JSA 93585	type Product Customer Drawing
				dr	10/26/06	FCI		
				engr	10/26/06			
				chr	10/26/06			
				appd	10/27/06			
sheet index	revision	AB						Rev. AB

SC-HFWS01 JSA93586
form: A4

CAT. NO. & DIMENSIONS

(NOTE.4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-2STE1	28.4	24	—
	5	HFW5S-2STE1	28.4	24	—
	6	HFW6S-2STE1	28.4	24	—
	7	HFW7S-2STE1	28.4	24	—
	8	HFW8S-2STE1	28.4	24	—
	9	HFW9S-2STE1	28.4	24	—
	10	HFW10S-2STE1	28.4	24	—
	11	HFW11S-2STE1	28.4	24	—
	12	HFW12S-2STE1	28.4	24	—
	13	HFW13S-2STE1	28.4	24	—
	14	HFW14S-2STE1	36.4	32	28.4
	15	HFW15S-2STE1	36.4	32	28.4
	16	HFW16S-2STE1	36.4	32	28.4
	17	HFW17S-2STE1	36.4	32	28.4
	18	HFW18S-2STE1	48.4	44	40.4
	19	HFW19S-2STE1	48.4	44	40.4
	20	HFW20S-2STE1	48.4	44	40.4
	21	HFW21S-2STE1	48.4	44	40.4
	22	HFW22S-2STE1	48.4	44	40.4
	23	HFW23S-2STE1	48.4	44	40.4
	24	HFW24S-2STE1	48.4	44	40.4
	25	HFW25S-2STE1	48.4	44	40.4
	26	HFW26S-2STE1	48.4	44	40.4
	27	HFW27S-2STE1	48.4	44	40.4
	28	HFW28S-2STE1	48.4	44	40.4
	29	HFW29S-2STE1	60.4	56	52.4
	30	HFW30S-2STE1	60.4	56	52.4
*	31	HFW31S-2STE1	60.4	56	52.4
	32	HFW32S-2STE1	60.4	56	52.4
*	33	HFW33S-2STE1	60.4	56	52.4

CAT. NO. HFW (n) S - 2 ST E1

SERIES

NO. OF CONTACTS

STRAIGHT TYPE

FOR FPC / FFC

FOR AUTOMATIC MOUNTING (SMT)

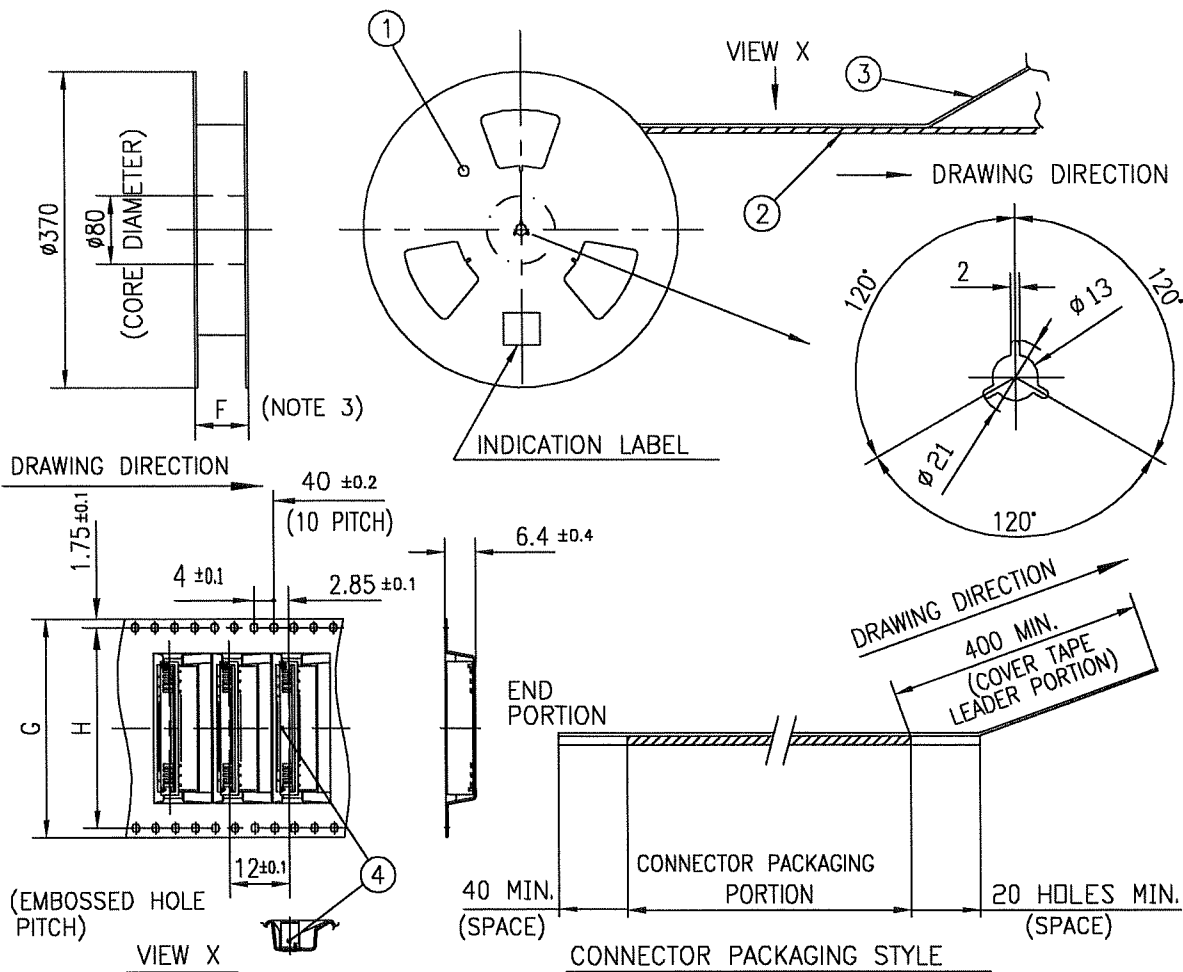
PACKAGE STYLE

NOTES

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

mat'l. code				surface 58 / tolerance ISO 406 ISO 1101		projection		product family 580F		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified				title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-2STE1)				
AA	J04-0334	H.T	Oct.13,'04	angles	linear	mm						
AB	J06-0435	H.T	10/26/'06			scale X						
				dr	10/26/'06				dwg no		sheet 1 of 1	size
				engr	10/26/'06				JSA 93584		A4	
				chr	10/26/'06							
				appd	10/27/'06							
sheet index		revision sheet 1								Rev. AB		

SC-HFWS01 JSA93586 93583
form: A4



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:GRAY
2	PLASTIC (EMBOSSSED) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__S-2ST__	SEE ATTACHED DWG.	1000	_____

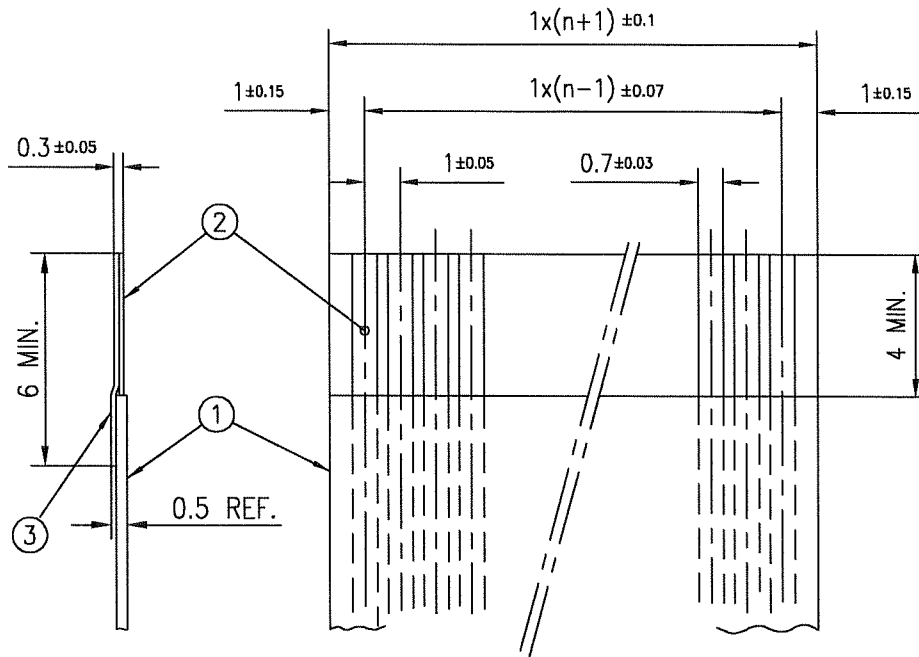
NOTES

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

mat'l. code				surface 58 / tolerance ISO 1302 ✓ / ISO 406 / ISO 1101		projection		product family 580F		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
AA	J04-0334	H.T	Oct.13,'04	±5		mm		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-2STE1)			
AB	J06-0435	H.T	10/26/'06	angles	linear	scale X		dwg no JSA 93583 sheet 1 of 1 size A4			
				±5'		FCI		type Product Customer Drawing			
				dr	10/26/'06						
				engr	10/26/'06						
				chr	10/26/'06						
				appd	10/27/'06						
sheet index	revision	AB									Rev. AB
	sheet	1									

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTOR



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	

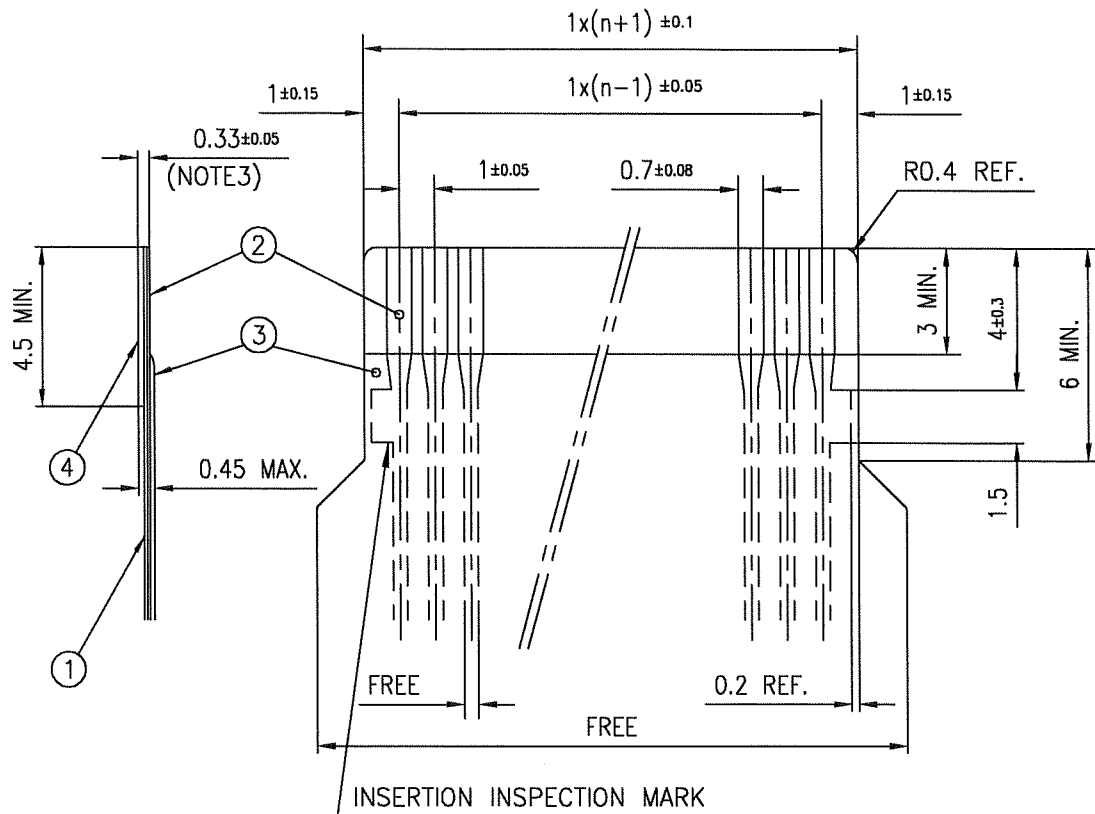
NOTES

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

mat'l. code				surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection		product family 580F		CODE JP	
litr ecn no dr date				tolerances unless otherwise specified		mm		title			
AA J04-0334 H.T. Oct.13,'04				angles linear		mm		RECOMMENDED CABLE			
AB J06-0435 H.T. 10/26/'06						scale X		(CAT.No.HFW__S-2ST__)			
				dr		FCI		dwg no sheet 1 of 1 size			
				enr				JSA 93588 A4			
				chr				type Product Customer Drawing			
				appd							
sheet index		revision sheet		AB 1						Rev. AB	

RECOMMENDED CABLE (FPC)

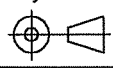
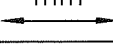
n : NO. OF CONDUCTORS



PT. NO.	DISCRIPTION	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUIVALENT	25
2	CONDUCTOR	COPPER FOIL(PLATING : SOLDER $1\mu\text{m}$ MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUIVALENT	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUIVALENT	188

NOTES

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

mat'l. code				surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection 		product family 580F		CODE JP	
litr ecn no dr date				tolerances unless otherwise specified				title RECOMMENDED CABLE (CAT.No.HFW__S-2ST__)			
AA J04-0334 H.T Oct.13,'04				angles linear		mm					
AB J06-0435 H.T 10/26/'06						scale $\times$		dwg no sheet 1 of 1 size JSA 93587 A4			
				dr 10/26/06				type Product Customer Drawing			
				engr 10/26/06							
				chr 10/26/06							
				appd S. Chudam 10/27/06							
sheet index		revision AB								Rev. AB	