

CAT. No.

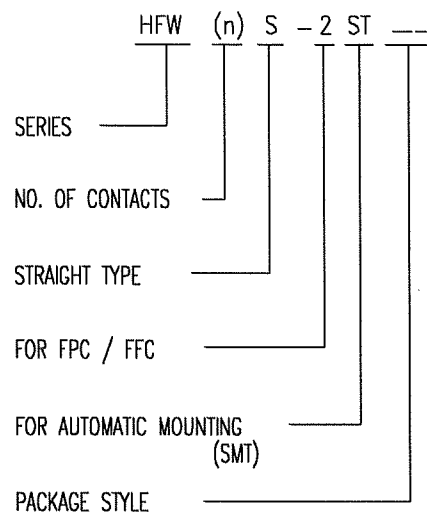
P/N	Documents	No.	Title	CAT. No.
HFWS_S-2STE1	Specification Connector dwg.	SC-HFWS01 JSA93586 JSA93585 JSA93584 JSA93583 JSA93588 JSA93587	CONNECTOR USED FOR FPC/FPC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING & SMT CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR 1mm SPACING SURFACE MOUNT FPC/FPC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

[illegible]

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

n : NO. OF CONTACTS

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1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPEs 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.

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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.

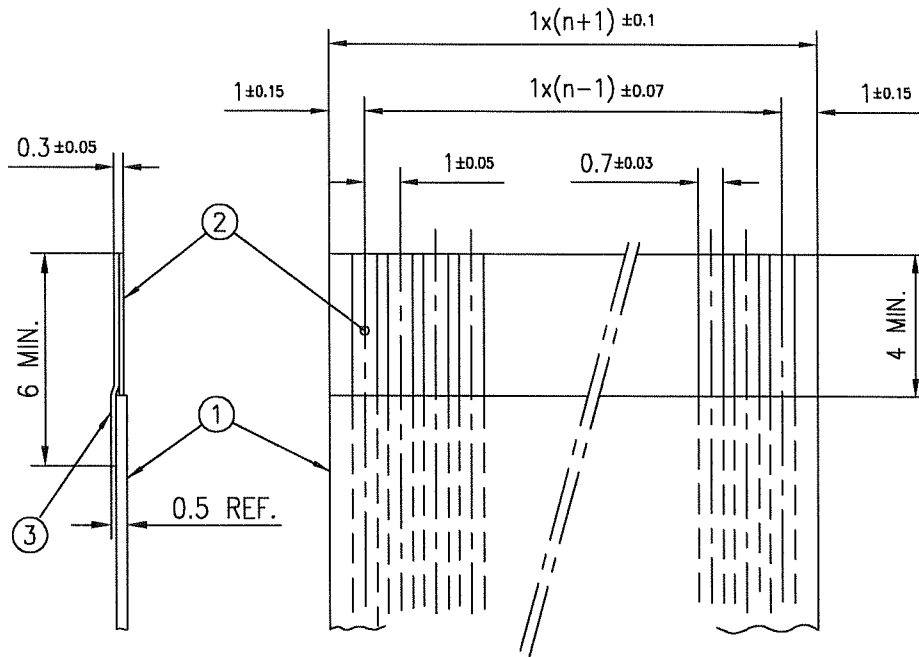
mat'l. code				surface 58 / tolerance ISO 406 ISO 1101		projection		product family 580F		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title			
AA	J04-0334	H.T	Oct.13,'04			mm		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-2STE1)			
AB	J06-0435	H.T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



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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	

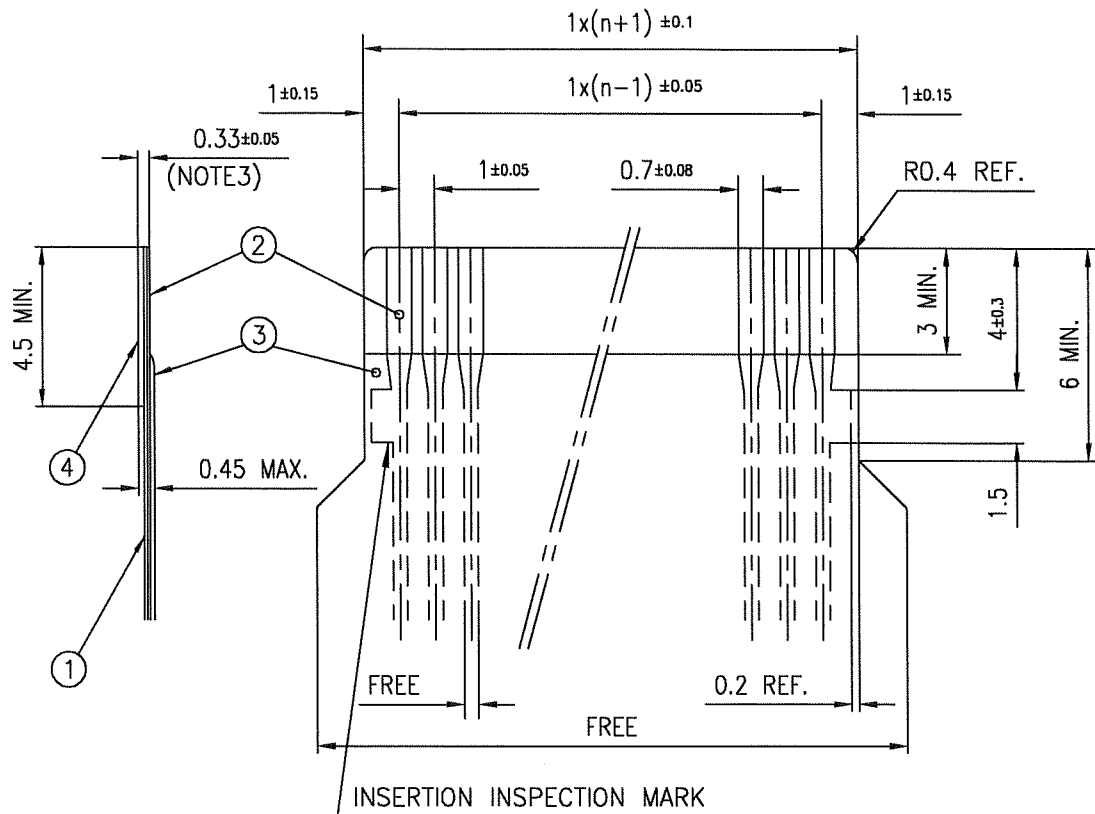
NOTES

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	
ltr	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	
				engr				JSA 93588		A4	
				chr				type		Product Customer Drawing	
				appd							
sheet index	revision sheet	AB	1							Rev. AB	

RECOMMENDED CABLE (FPC)

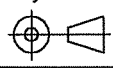
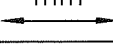
n : NO. OF CONDUCTORS



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 $\propto$		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	