

Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)
[HFW14S-2STE1](#)

For any questions, you can email us directly:
sales@integrated-circuit.com



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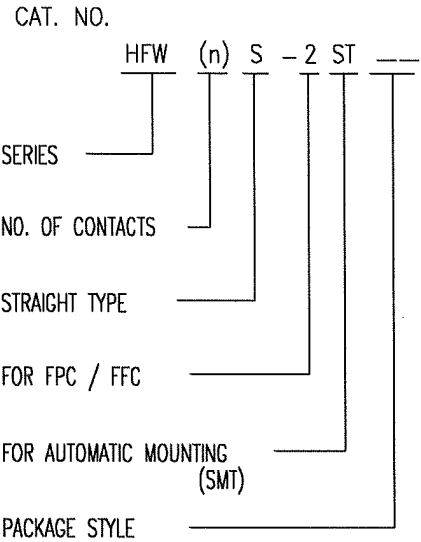
Configuration of Documents

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

mat'l. code				surface ^{5B} / tolerance		projection		product family		CODE	
				ISO 1302 ✓ / ISO 406				580F		JP	
ltr				tolerances unless otherwise specified		mm		title			
ecn no				angles		linear		HFWS Documents Cofiguration			
dr						scale \times		dwg no			
date								sheet 1 of 1 size			
A J04-0334 H.T 10/13/04								JSA 96063 A4			
B J06-0435 H.T 10/26/06								type Product Customer Drawing			
				dr				Rev.			
				enr				B			
				chr				1			
				appd							
sheet index				revision sheet							
				B							
				1							

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



NOTES

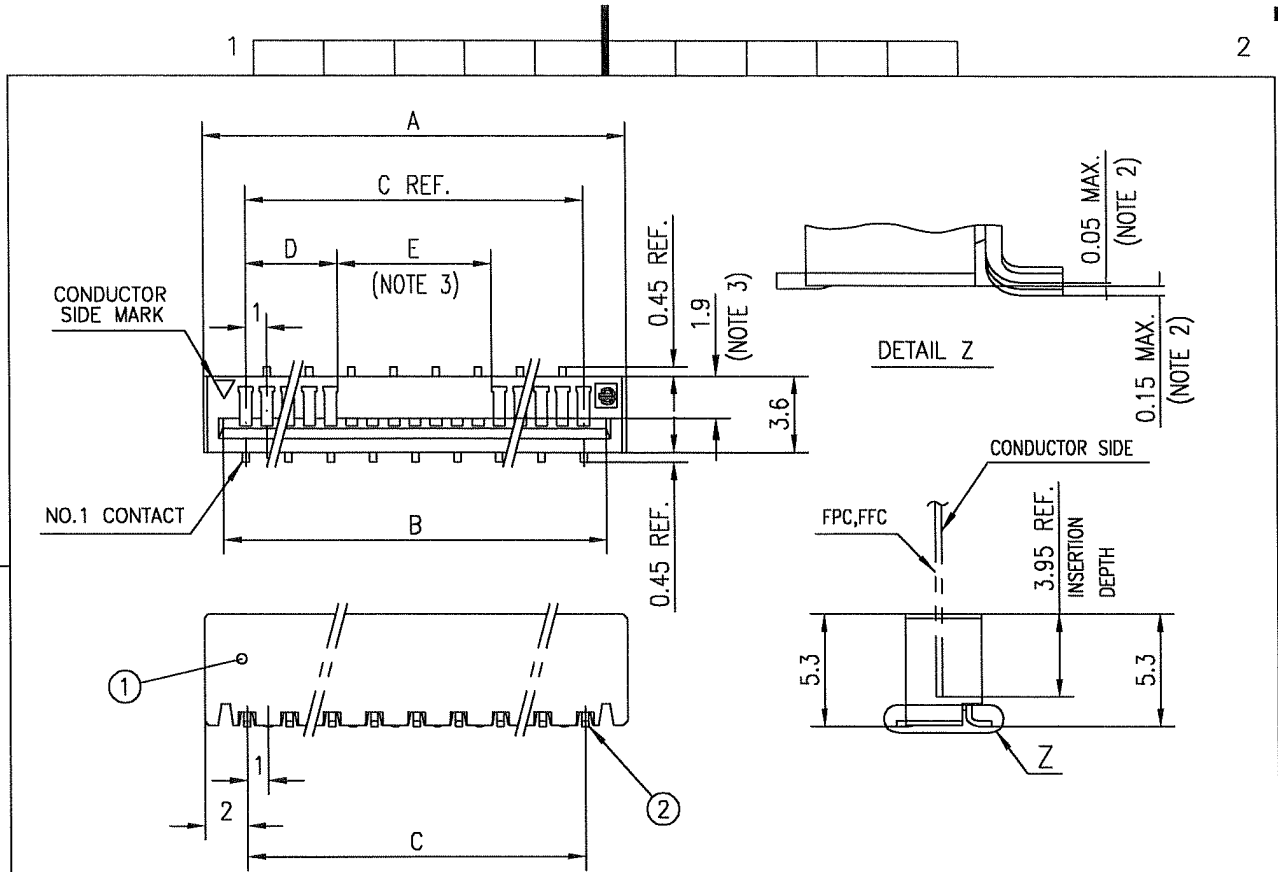
1. THIS PRODUCT IS THE CONNECTOR DSIGNED TO TERMINATE FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~E.
3. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

mat'l. code				surface ⁵⁸ / tolerance ISO 1302 ✓ / 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	AB	1									Rev. AB



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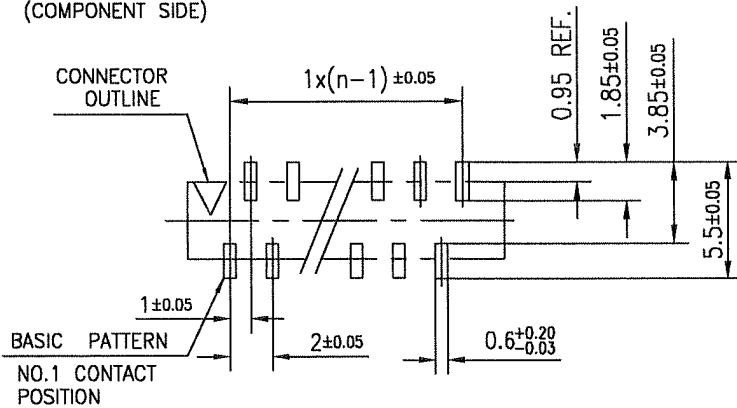
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PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN ALLOY

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
 (COMPONENT SIDE)



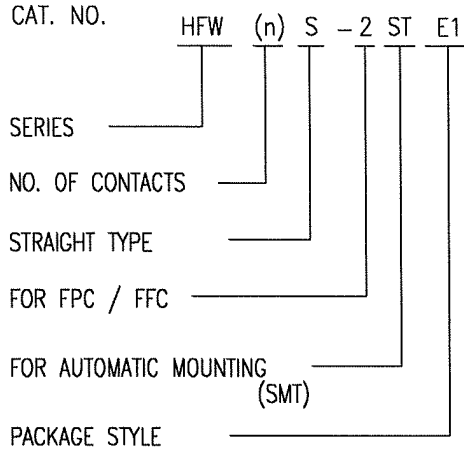
NOTES

1. THIS PRODUCT IS THE CONNECTOR DSIGNED 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.

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 ±0.2		1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (CAT.No.HFW__S-2ST__)			
AB	J06-0435	H.T	10/26/'06	scale X		dwg no		sheet 1 of 1 size	
				dr		JSA 93585		A4	
				enr		type		Product Customer Drawing	
				chr					
				appd					
sheet index		revision sheet		AB 1		Rev. AB		D	

CAT. NO. & DIMENSIONS

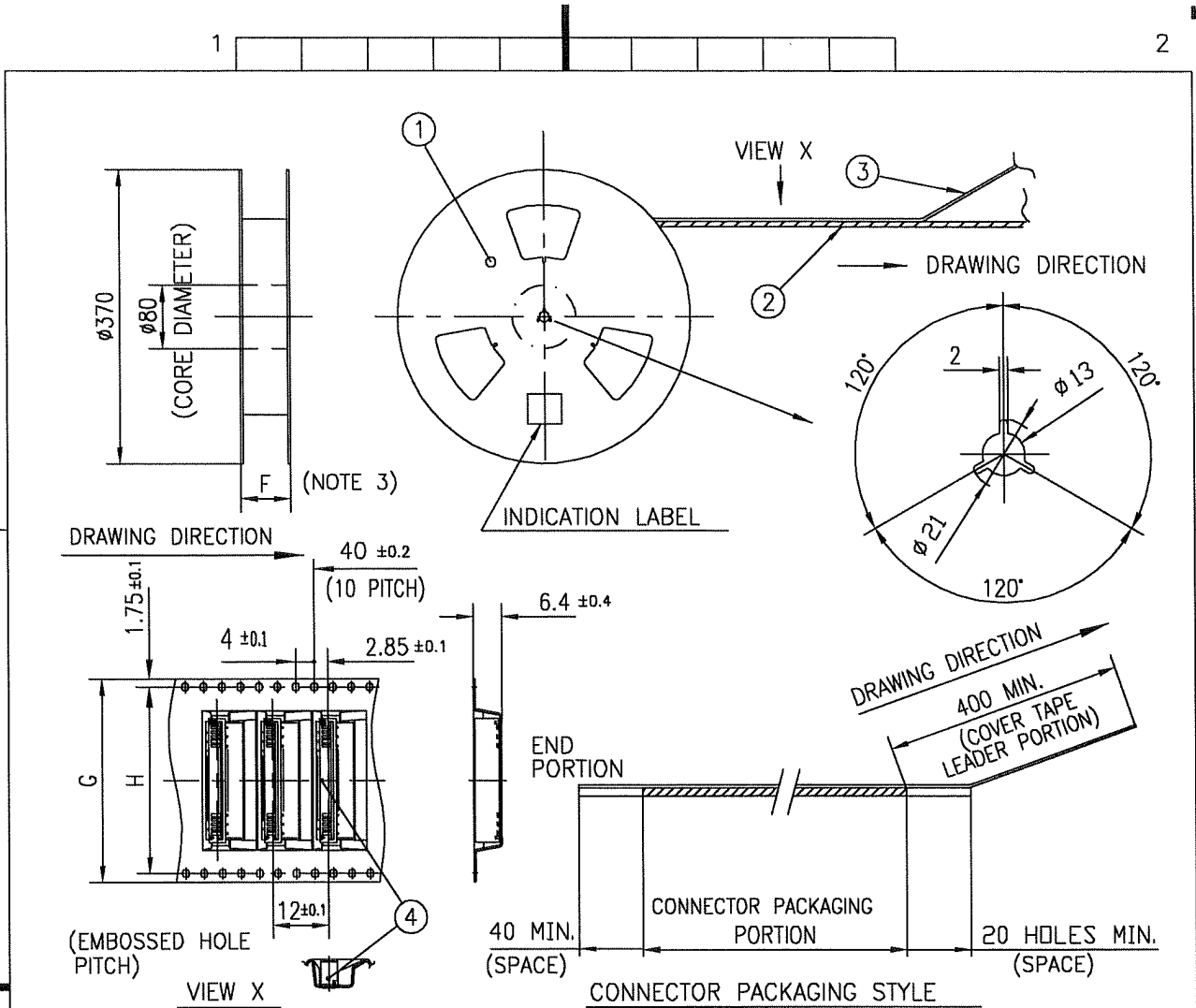
(NOTE.4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-2STE1	28.4	24	—
	5	HFW5S-2STE1	28.4	24	—
	6	HFW6S-2STE1	28.4	24	—
	7	HFW7S-2STE1	28.4	24	—
	8	HFW8S-2STE1	28.4	24	—
	9	HFW9S-2STE1	28.4	24	—
	10	HFW10S-2STE1	28.4	24	—
	11	HFW11S-2STE1	28.4	24	—
	12	HFW12S-2STE1	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



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 F~H.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

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		scale X		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-2STE1)			
AB J06-0435 H.T 10/26/'06				dr		FCI		dwg no JSA 93584		sheet 1 of 1 size A4	
				enrg				type Product Customer Drawing			
				chr							
				appd							
sheet index		revision sheet 1		AB						Rev. AB	



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

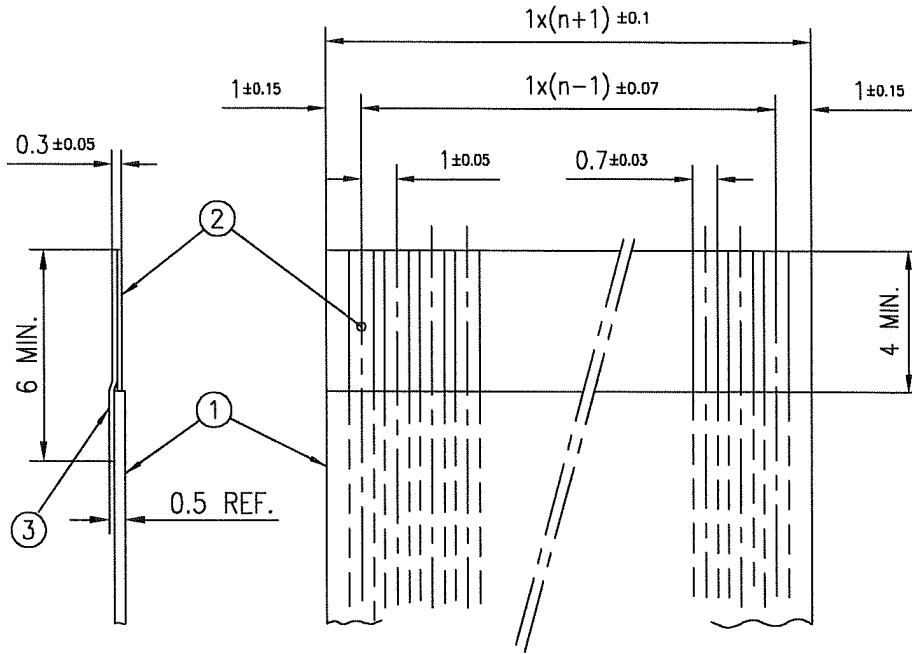
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPER 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.
- F DIMENSION IS PORTION OF THE CORE.

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

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	_____

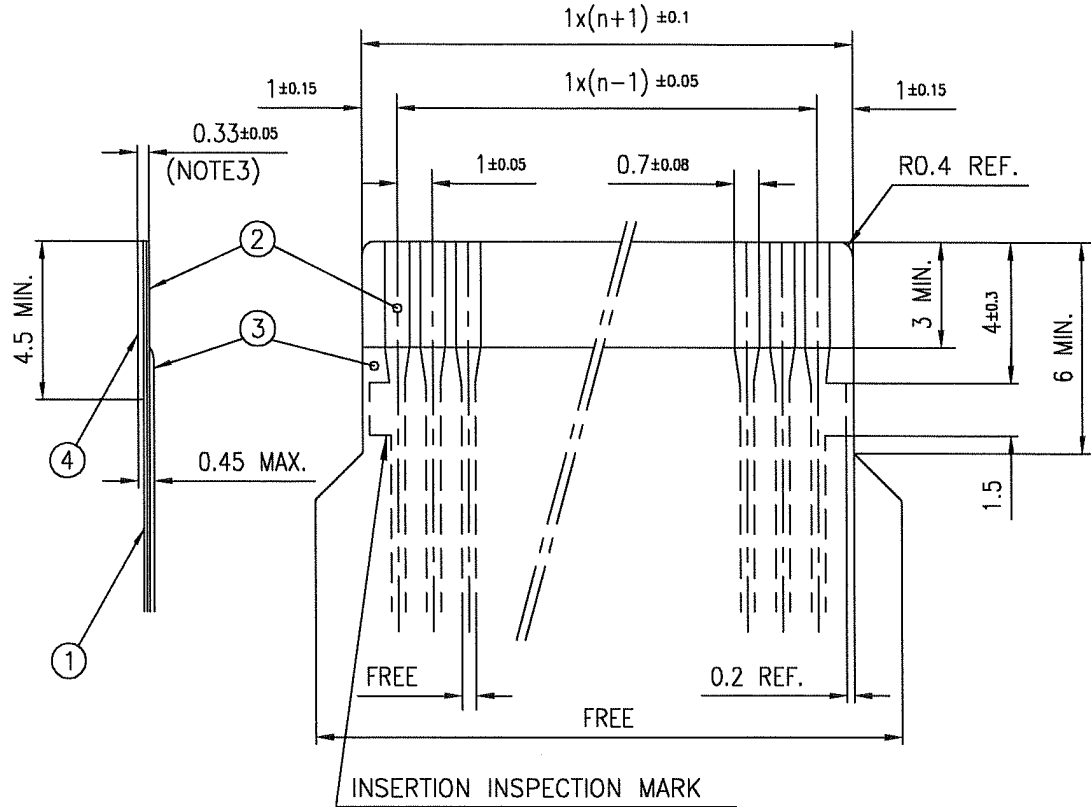
NOTES

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	
tolerances unless otherwise specified				angles linear		mm		title RECOMMENDED CABLE (CAT.No.HFW__S-2ST__)			
dr <i>[Signature]</i> 10/26/06				engr <i>[Signature]</i> 10/26/06		chr <i>[Signature]</i> 10/26/06		appd <i>[Signature]</i> 10/27/06		scale \times	
sheet index				revision sheet 1		sheet 1 of 1		size A4		type Product Customer Drawing	
sheet index				revision sheet 1		JSA 93588		Rev. AB		D	

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 1μm 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 $\sqrt{58}$ / 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 (CAT.No.HFW__S-2ST__)			
AB J06-0435 H.T 10/26/'06						scale \times		dwg no sheet 1 of 1 size			
				dr <i>H. S. Prasad</i> 10/26/06				JSA 93587 A4			
				enr <i>H. S. Prasad</i> 10/26/06				type Product Customer Drawing			
				chr <i>R. S. Prasad</i> 10/26/06							
				appd <i>S. Sudam</i> 10/27/06							
sheet index		revision sheet		AB 1						Rev. AB D	