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### Configuration of Documents

P/N	Documents	No.	Title	CAT.No.
HFW_S-2STE1LF	Specification Connector dwg.	SC-HFWS03	CONNECTOR USED FOR FPC/FFC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-2ST1LF
		JSA96464	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-2ST_LF
		JSA96465	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR	HFW_S-2ST_LF
		JSA96466	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-2ST1LF
	Cable dwg.	JSA96467 JSA93588 JSA93587	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR RECOMMENDED CABLE	HFW_S-2ST1LF HFW_S-2ST_ HFW_S-2ST_
HFW_S-2STAE1LF	Specification Connector dwg.	SC-HFWS06	CONNECTOR USED FOR C/C WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-2STAE1LF
		JSA97359	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-2STA_LF
		JSA97370	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR	HFW_S-2STA_LF
		JSA97371	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-2STAE1LF
	Cable dwg.	JSA97372 JSA97373	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR RECOMMENDED CABLE	HFW_S-2STAE1LF HFW_S-2STA_
HFW_S-2STBE1LF	Specification Connector dwg.	SC-HFWS06	CONNECTOR USED FOR C/C WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-2STBE1LF
		JSA97359	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-2STB_LF
		JSA97360	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR	HFW_S-2STB_LF
		JSA97361	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-2STBE1LF
	Cable dwg.	JSA97362 JSA97363	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR RECOMMENDED CABLE	HFW_S-2STBE1LF HFW_S-2STB_
HFW_S-6STE1LF	Specification Connector dwg.	SC-HFWS04	CONNECTOR USED FOR C/C WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-6STE1LF
		JSA96468	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-6ST_LF
		JSA96469	1mm SPACING SURFACE MOUNT C/C CONNECTOR	HFW_S-6ST_LF
		JSA96470	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-6STE1LF
	Cable dwg.	JSA96471 JSA93944	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR RECOMMENDED CABLE	HFW_S-6STE1LF HFW_S-6ST_

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		
A	J05-0334	H.T	6/3/05	angles	linear	scale $\propto$		HFW_S Documents Configuration (1mm Contact Spacing connector)		
B	J06-0435	H.T	10/26/06					dwg no		sheet 1 of 1
C	J07-0481	H.T	2007-9-26					JSA96472		A4
D	J07-0502	H.T	2007-10-10	dr	<i>[Signature]</i> 2007-10-10			type Product Customer Drawing		
sheet index	revision sheet	D	1	enr	<i>[Signature]</i> 2007-10-10					Rev D
				chr	<i>[Signature]</i> 2007-10-10					
				appd	<i>[Signature]</i> 2007-10-10					

form: A4

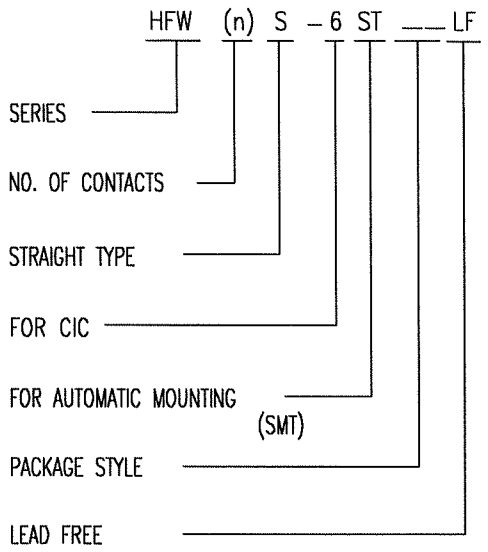
1

2

CAT. NO. & DIMENSIONS

(NOTE3)	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-6ST__LF	7	5.14	3	—	—
	5	HFW5S-6ST__LF	8	6.14	4	—	—
	6	HFW6S-6ST__LF	9	7.14	5	—	—
	7	HFW7S-6ST__LF	10	8.14	6	—	—
	8	HFW8S-6ST__LF	11	9.14	7	—	—
	9	HFW9S-6ST__LF	12	10.14	8	0.35	7.3
	10	HFW10S-6ST__LF	13	11.14	9	0.35	8.3
	11	HFW11S-6ST__LF	14	12.14	10	1.35	7.3
	12	HFW12S-6ST__LF	15	13.14	11	1.35	8.3
	13	HFW13S-6ST__LF	16	14.14	12	2.35	7.3
	14	HFW14S-6ST__LF	17	15.14	13	2.35	8.3
	15	HFW15S-6ST__LF	18	16.14	14	3.35	7.3
	16	HFW16S-6ST__LF	19	17.14	15	3.35	8.3
	17	HFW17S-6ST__LF	20	18.14	16	4.35	7.3
	18	HFW18S-6ST__LF	21	19.14	17	4.35	8.3
	19	HFW19S-6ST__LF	22	20.14	18	5.35	7.3
	20	HFW20S-6ST__LF	23	21.14	19	5.35	8.3
	21	HFW21S-6ST__LF	24	22.14	20	6.35	7.3
	22	HFW22S-6ST__LF	25	23.14	21	6.35	8.3
	23	HFW23S-6ST__LF	26	24.14	22	7.35	7.3
	24	HFW24S-6ST__LF	27	25.14	23	7.35	8.3
	25	HFW25S-6ST__LF	28	26.14	24	8.35	7.3
	26	HFW26S-6ST__LF	29	27.14	25	8.35	8.3
	27	HFW27S-6ST__LF	30	28.14	26	9.35	7.3
	28	HFW28S-6ST__LF	31	29.14	27	9.35	8.3
	29	HFW29S-6ST__LF	32	30.14	28	10.35	7.3
	30	HFW30S-6ST__LF	33	31.14	29	10.35	8.3
*	31	HFW31S-6ST__LF	34	32.14	30	11.35	7.3
	32	HFW32S-6ST__LF	35	33.14	31	11.35	8.3
*	33	HFW33S-6ST__LF	36	34.14	32	12.35	7.3

CAT. NO.



NOTES

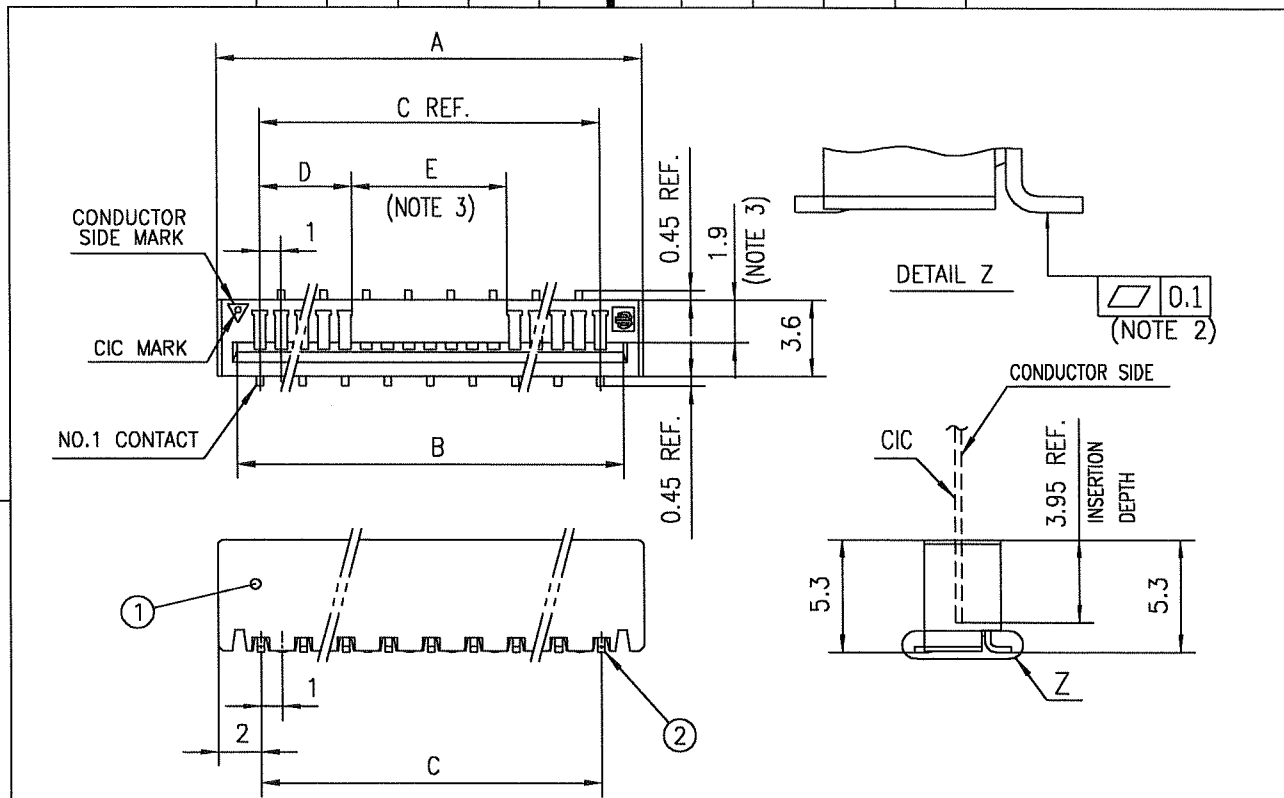
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~E.
3. PLEASE CONSULT US IN CASE OF USING PARTS WITH \* MARK.



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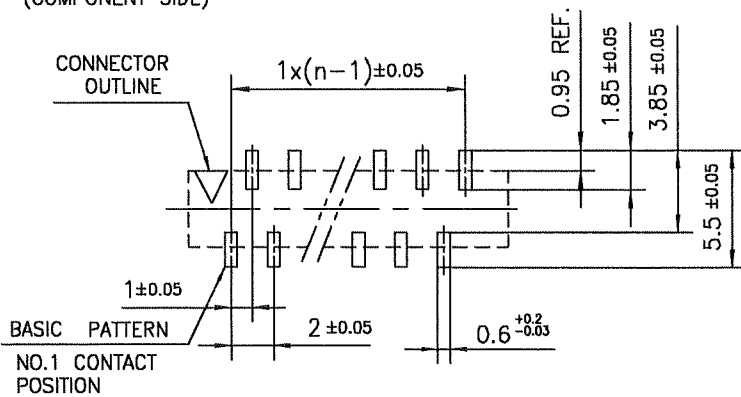
mat'l. code				surface 58 / tolerance ISO 1302 ✓ / ISO 406 / ISO 1101		projection		product family 580F		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-6ST__LF)				
A	J05-0334	H.T	6/3/05	angles	linear	scale X		dwg no JSA 96468		sheet 1 of 1 size A4		
B	J06-0435	H.T	10/26/06	dr	<i>H. J. J. 10/26/06</i>			type Product Customer Drawing				
				enr	<i>H. J. J. 10/26/06</i>							
				chr	<i>R. S. 10/26/06</i>							
				app	<i>S. Mudans 10/27/06</i>							
sheet index	revision sheet	B	1									Rev. B



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

n : NO. OF CONTACTS

**RECOMMENDED PC BOARD LAYOUT  
(COMPONENT SIDE)**



**NOTES**

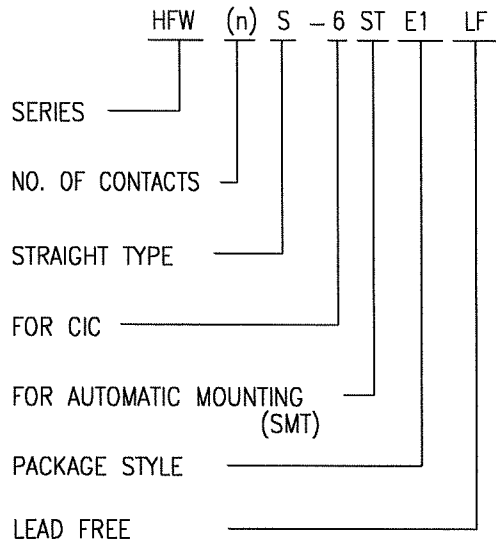
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS DIMENSION IS SPACE FOR THE NOZZLE OF MOUNTER.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY 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.

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 1mm SPACING SURFACE MOUNT CIC CONNECTOR (CAT.No.HFW__S-6ST__LF)	
A	J05-0334	H.T	6/3/'05	angles	±0.2			
B	J05-0731	H.T	10/28/'05	linear				
C	J06-0435	H.T	10/26/'06			scale	dwg no JSA 96469	
				dr	H. [Signature]	10/26/06	sheet 1 of 1 size A4	
				enr	H. [Signature]	10/26/06	type Product Customer Drawing	
				chr	R. [Signature]	10/26/06	Rev. C	
				appd	S. [Signature]	10/27/06	D	
sheet index	revision	C	1					

CAT. NO. & DIMENSIONS

(NOTE4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ±0.3	H ±0.1
	4	HFW4S-6STE1LF	28.4	24	—
	5	HFW5S-6STE1LF	28.4	24	—
	6	HFW6S-6STE1LF	28.4	24	—
	7	HFW7S-6STE1LF	28.4	24	—
	8	HFW8S-6STE1LF	28.4	24	—
	9	HFW9S-6STE1LF	28.4	24	—
	10	HFW10S-6STE1LF	28.4	24	—
	11	HFW11S-6STE1LF	28.4	24	—
	12	HFW12S-6STE1LF	28.4	24	—
	13	HFW13S-6STE1LF	28.4	24	—
	14	HFW14S-6STE1LF	36.4	32	28.4
	15	HFW15S-6STE1LF	36.4	32	28.4
	16	HFW16S-6STE1LF	36.4	32	28.4
	17	HFW17S-6STE1LF	36.4	32	28.4
	18	HFW18S-6STE1LF	48.4	44	40.4
	19	HFW19S-6STE1LF	48.4	44	40.4
	20	HFW20S-6STE1LF	48.4	44	40.4
	21	HFW21S-6STE1LF	48.4	44	40.4
	22	HFW22S-6STE1LF	48.4	44	40.4
	23	HFW23S-6STE1LF	48.4	44	40.4
	24	HFW24S-6STE1LF	48.4	44	40.4
	25	HFW25S-6STE1LF	48.4	44	40.4
	26	HFW26S-6STE1LF	48.4	44	40.4
	27	HFW27S-6STE1LF	48.4	44	40.4
	28	HFW28S-6STE1LF	48.4	44	40.4
	29	HFW29S-6STE1LF	60.4	56	52.4
	30	HFW30S-6STE1LF	60.4	56	52.4
*	31	HFW31S-6STE1LF	60.4	56	52.4
	32	HFW32S-6STE1LF	60.4	56	52.4
*	33	HFW33S-6STE1LF	60.4	56	52.4

CAT. NO.



NOTES

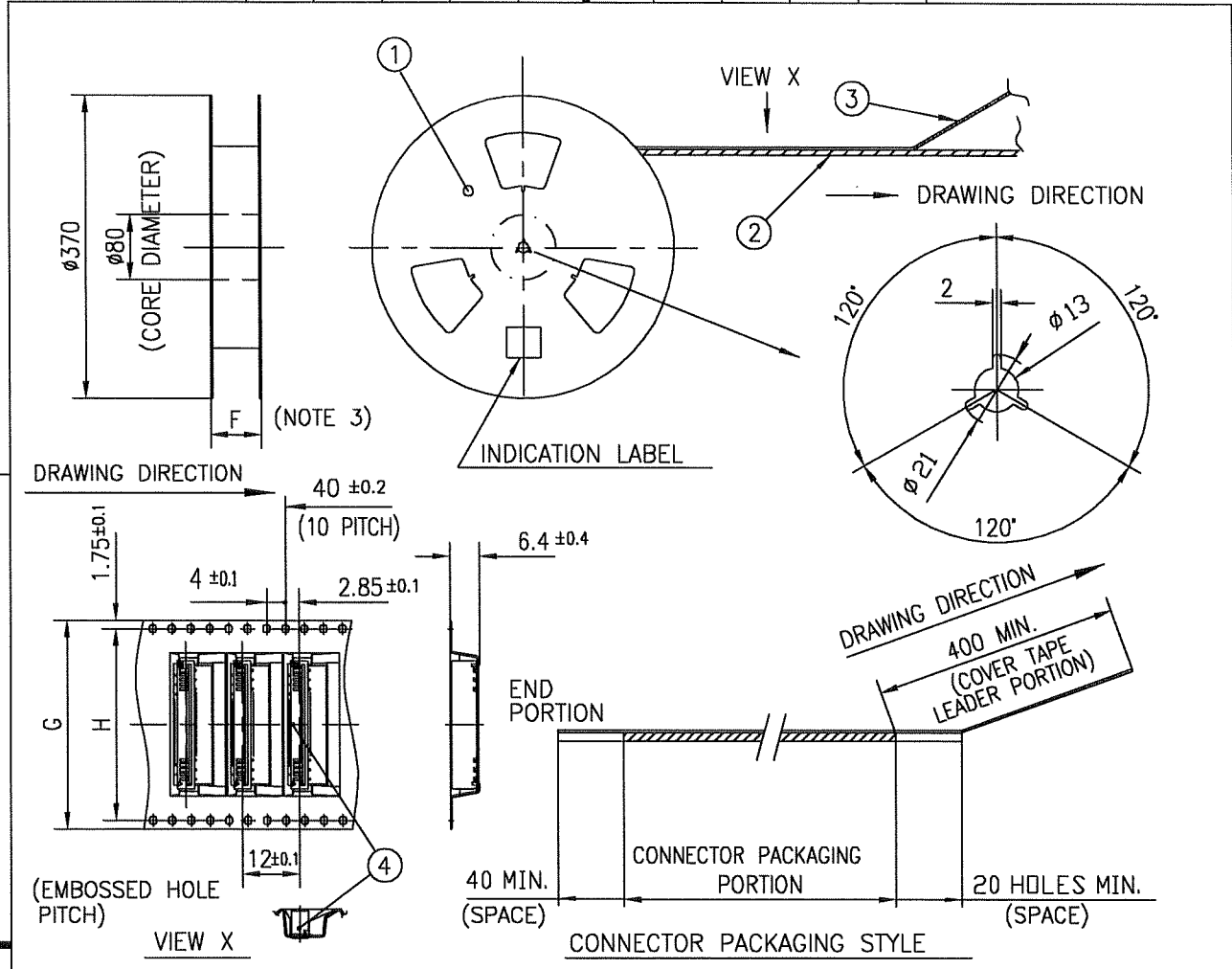
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS F~G.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH \* MARK.



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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				title			
A	J05-0334	H.T	6/3/05	angles linear				CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No. HFW__S-6STE1LF)			
B	J06-0435	H.T	10/26/06								
				dr <i>H. Takahashi</i> 10/26/06				dwg no		sheet 1 of 1 size	
				enr <i>H. Takahashi</i> 10/26/06				JSA 96470		A4	
				chr <i>K. Shouji</i> 10/24/06				type Product Customer Drawing			
				app <i>S. Dardam</i> 10/27/06							
sheet index		revision sheet		B 1						Rev. B	



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:GRAY
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__S-6ST__LF	SEE ATTACHED DWG.	1000	_____

NOTES

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. 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	
A		J05-0334		H.T.		6/3/'05		±5	
B		J06-0435		H.T.		10/26/'06		mm	
				angles				scale X	
				linear					
				±5'					
				dr		10/26/06			
				enr		10/26/06			
				chr		10/26/06			
				app		10/27/06			
sheet index		revision sheet		B		1		title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-6STE1LF) dwg no JSA 96471 sheet 1 of 1 size A4 type Product Customer Drawing	



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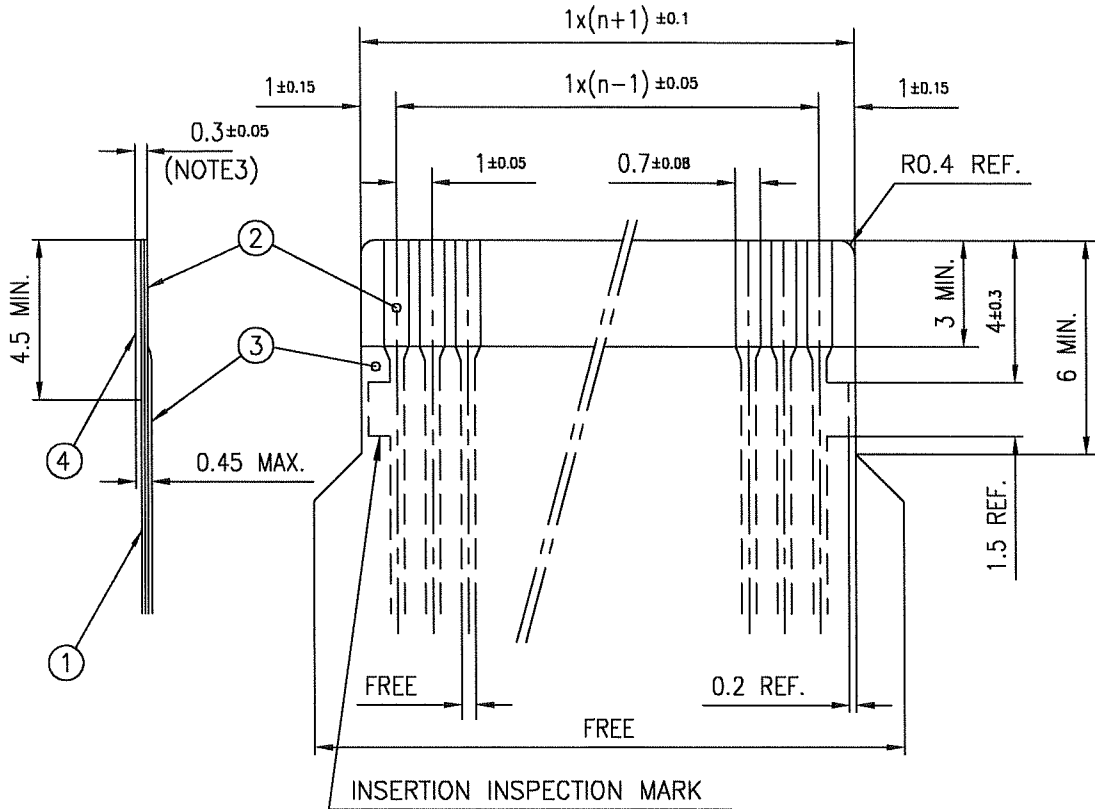
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D

D

RECOMMENDED CABLE (CIC)

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (μm)	
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.

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				title		RECOMMENDED CABLE		
AA	J04-0334	H.T	Oct.13,'04					mm		(CAT.No.HFW__S-6ST__)		
AB	J06-0435	H.T	10/26/'06	angles	linear	scale X		dwg no		sheet 1 of 1 size A4		
				dr	<i>H. Saito</i>	10/26/06			JSA 93944			
				enr	<i>H. Saito</i>	10/26/06			type Product Customer Drawing			
				chr	<i>R. Shouji</i>	10/26/06						
				appd	<i>S. Nishikawa</i>	10/27/06						
sheet index	revision sheet	AB	1									Rev. AB