Configuration of Ducuments

P/N	Documents	No.	Title	CAT.No.
HFW_S-2STE1LF	Specification	SC-HFWS03	CONNECTOR USED FOR FPC/FFC WITH 1mm CONTACT SPACING COPING WITH AUTOMATION MOUNTING &SMT	HFW_S-2ST1LF
	Connector dwg.	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-2STE1LF
		JSA96467	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	HFW_S-2STE1LF
	Cable dwg.	JSA93588	RECOMMENDED CABLE	HFW_S-2ST_
		JSA93587	RECOMMENDED CABLE	HFW_S-2ST_
HFW_S-2STAE1LF	Specification	SC-HFWS06	CONNECTOR USED FOR CIC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-2STAE1LF
	Connector dwg.	JSA97369	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
		JSA97372	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	HFW_S-2STAE1LF
	Cable dwg.	JSA97373	RECOMMENDED CABLE	HFW_S-2STA_
HFW_S-2STBE1LF	Specification	SC-HFWS06	CONNECTOR USED FOR CIC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-2STBE1LF
	Connector dwg.	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
		JSA97362	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	HFW_S-2STBE1LF
	Cable dwg.	JSA97363	RECOMMENDED CABLE	HFW_S-2STB_
HFW_S-6STE1LF	Specification	SC-HFWS04	CONNECTOR USED FOR CIC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING &SMT	HFW_S-6STE1LF
	Connector dwg.	JSA96468	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR	HFW_S-6ST_LF
		JSA96469	1mm SPACING SURFACE MOUNT CIC CONNECTOR	HFW_S-6ST_LF
		JSA96470	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.	HFW_S-6STE1LF
		JSA96471	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR	HFW_S-6STE1LF
	Cable dwg.	JSA93944	RECOMMENDED CABLE	HFW_S-6ST_

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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-2STA__LF	7	5.14	3	—	—
	5	HFW5S-2STA__LF	8	6.14	4	—	—
	6	HFW6S-2STA__LF	9	7.14	5	—	—
	7	HFW7S-2STA__LF	10	8.14	6	—	—
	8	HFW8S-2STA__LF	11	9.14	7	—	—
	9	HFW9S-2STA__LF	12	10.14	8	0.35	7.3
	10	HFW10S-2STA__LF	13	11.14	9	0.35	8.3
	11	HFW11S-2STA__LF	14	12.14	10	1.35	7.3
	12	HFW12S-2STA__LF	15	13.14	11	1.35	8.3
	13	HFW13S-2STA__LF	16	14.14	12	2.35	7.3
	14	HFW14S-2STA__LF	17	15.14	13	2.35	8.3
	15	HFW15S-2STA__LF	18	16.14	14	3.35	7.3
	16	HFW16S-2STA__LF	19	17.14	15	3.35	8.3
	17	HFW17S-2STA__LF	20	18.14	16	4.35	7.3
	18	HFW18S-2STA__LF	21	19.14	17	4.35	8.3
	19	HFW19S-2STA__LF	22	20.14	18	5.35	7.3
	20	HFW20S-2STA__LF	23	21.14	19	5.35	8.3
	21	HFW21S-2STA__LF	24	22.14	20	6.35	7.3
	22	HFW22S-2STA__LF	25	23.14	21	6.35	8.3
	23	HFW23S-2STA__LF	26	24.14	22	7.35	7.3
	24	HFW24S-2STA__LF	27	25.14	23	7.35	8.3
	25	HFW25S-2STA__LF	28	26.14	24	8.35	7.3
	26	HFW26S-2STA__LF	29	27.14	25	8.35	8.3
	27	HFW27S-2STA__LF	30	28.14	26	9.35	7.3
	28	HFW28S-2STA__LF	31	29.14	27	9.35	8.3
	29	HFW29S-2STA__LF	32	30.14	28	10.35	7.3
	30	HFW30S-2STA__LF	33	31.14	29	10.35	8.3
*	31	HFW31S-2STA__LF	34	32.14	30	11.35	7.3
	32	HFW32S-2STA__LF	35	33.14	31	11.35	8.3
*	33	HFW33S-2STA__LF	36	34.14	32	12.35	7.3

CAT. NO.

HFW (n) S – 2 ST A __ LF

- SERIES
- NO. OF CONTACTS
- STRAIGHT TYPE
- FOR FPC / FFC
- FOR AUTOMATIC MOUNTING (SMT)
- VARIATION GOLD PLATING
- PACKAGE STYLE
- LEAD FREE

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.

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ltr	ecn no	dr	date
A	J07-0502	H.T	2007-10-10

mat'l. code

surface ISO 1302 58

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles | linear

projection

mm

scale X

dr engr chr appd — 2007-10-10

product family 580F | CODE JP

title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-2STA__LF)

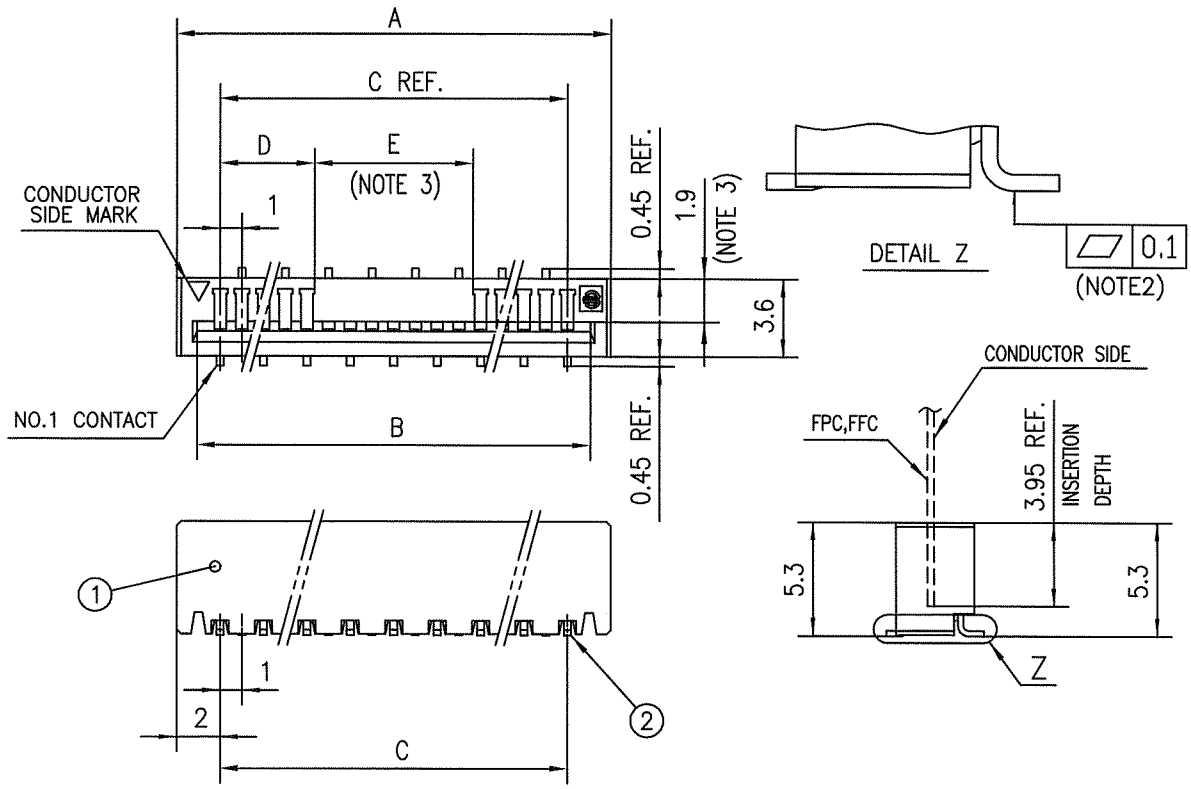
dwg no JSA 97369 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision sheet	A 1	Rev. A

SC-HFWS06 JSA97370,97371,97372,97373
form: A4

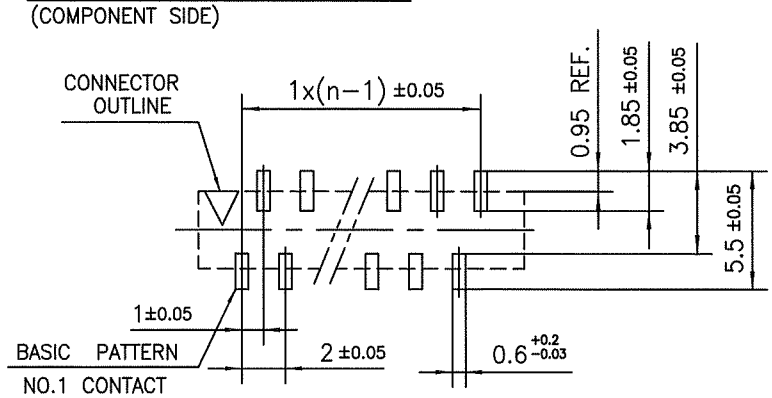
PDM: Rev:A STATUS:Released Printed: Apr 28, 2009



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 : GOLD

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.
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.

| | | |

CAT. NO. & DIMENSIONS

(NOTE.4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-2STAE1LF	28.4	24	—
	5	HFW5S-2STAE1LF	28.4	24	—
	6	HFW6S-2STAE1LF	28.4	24	—
	7	HFW7S-2STAE1LF	28.4	24	—
	8	HFW8S-2STAE1LF	28.4	24	—
	9	HFW9S-2STAE1LF	28.4	24	—
	10	HFW10S-2STAE1LF	28.4	24	—
	11	HFW11S-2STAE1LF	28.4	24	—
	12	HFW12S-2STAE1LF	28.4	24	—
	13	HFW13S-2STAE1LF	28.4	24	—
	14	HFW14S-2STAE1LF	36.4	32	28.4
	15	HFW15S-2STAE1LF	36.4	32	28.4
	16	HFW16S-2STAE1LF	36.4	32	28.4
	17	HFW17S-2STAE1LF	36.4	32	28.4
	18	HFW18S-2STAE1LF	48.4	44	40.4
	19	HFW19S-2STAE1LF	48.4	44	40.4
	20	HFW20S-2STAE1LF	48.4	44	40.4
	21	HFW21S-2STAE1LF	48.4	44	40.4
	22	HFW22S-2STAE1LF	48.4	44	40.4
	23	HFW23S-2STAE1LF	48.4	44	40.4
	24	HFW24S-2STAE1LF	48.4	44	40.4
	25	HFW25S-2STAE1LF	48.4	44	40.4
	26	HFW26S-2STAE1LF	48.4	44	40.4
	27	HFW27S-2STAE1LF	48.4	44	40.4
	28	HFW28S-2STAE1LF	48.4	44	40.4
	29	HFW29S-2STAE1LF	60.4	56	52.4
	30	HFW30S-2STAE1LF	60.4	56	52.4
*	31	HFW31S-2STAE1LF	60.4	56	52.4
	32	HFW32S-2STAE1LF	60.4	56	52.4
*	33	HFW33S-2STAE1LF	60.4	56	52.4

CAT. NO. HFW (n) S – 2 ST A E1 LF

- SERIES
- NO. OF CONTACTS
- STRAIGHT TYPE
- FOR FPC / FFC
- FOR AUTOMATIC MOUNTING (SMT)
- VARIATION GOLD PLATING
- PACKAGE STYLE
- LEAD FREE

NOTES

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

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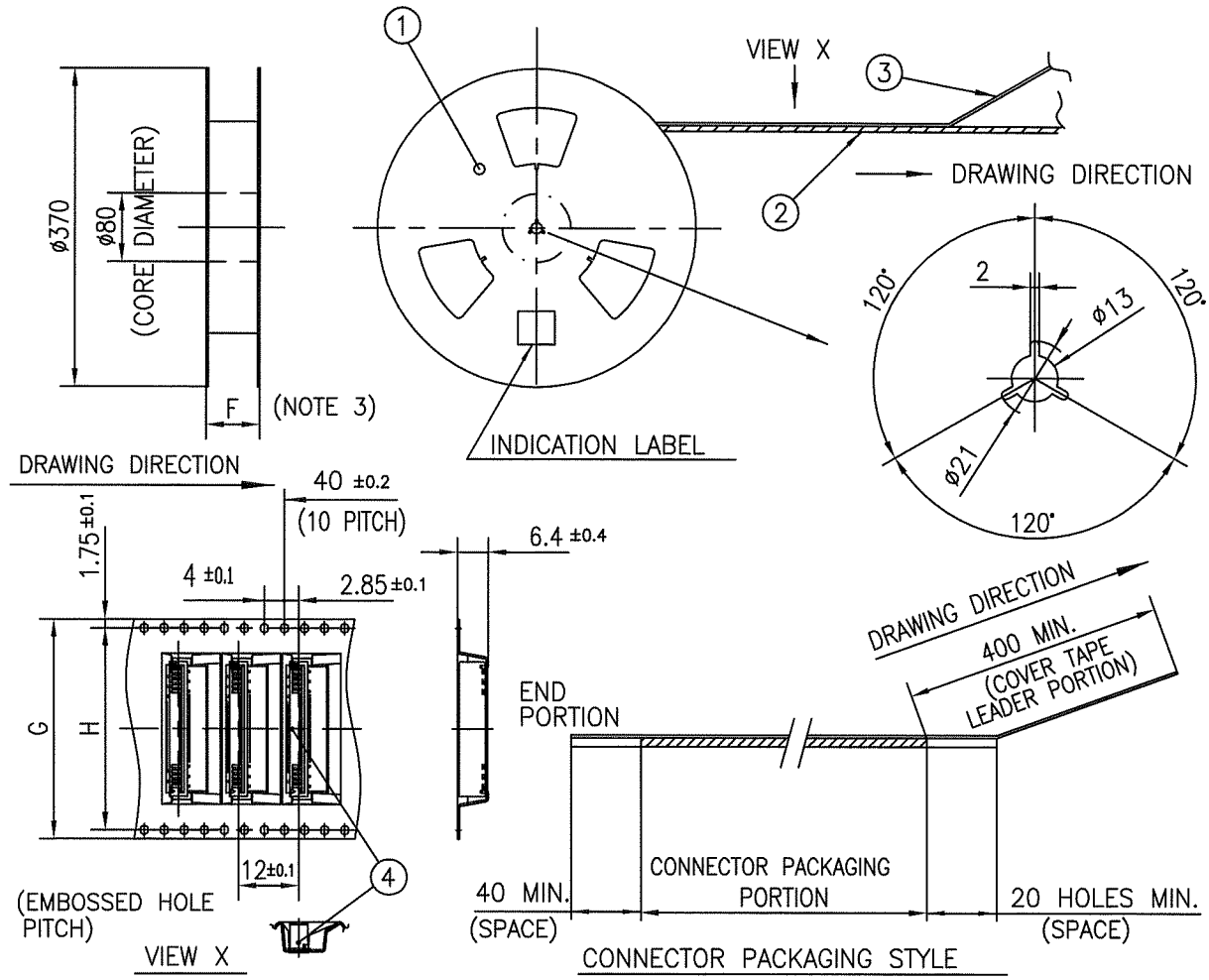
mat'l. code	surface ISO 1302 58	tolerance ISO 406 ISO 1101	projection	product family 580F	CODE JP
ltr ecn no dr date: A J07-0502 H.T 2007-10-10	tolerances unless otherwise specified: angles, linear		mm	title: CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-2STAE1LF)	
			scale X		
dr H. Tanaka 2007-10-10				dwg no JSA 97371	sheet 1 of 1 size A4
engr H. Tanaka 2007-10-10					
chr R. Shimizu 2007-10-10				type Product Customer Drawing	
appd S. Nakano 2007-10-10					
sheet index / revision sheet: A 1					Rev. A

SC-HFWS06 JSA97369 97372
form: A4

PDM: Rev:A STATUS:Released Printed: Apr 28, 2009



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-2STA__LF	SEE ATTACHED DWG.	1000	———

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC 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 (EMBOSSED) TAPE AND REEL.
3. F DIMENSION IS PORTION OF THE CORE.

ltr	ecn no	dr	date
A	J07-0502	H.T	2007-10-10

mat'l. code | surface ISO 1302 58 | tolerance ISO 406 ISO 1101 | projection | product family 580F | CODE JP

tolerances unless otherwise specified: angles ±5° | linear ±5 | mm | scale X

dr	H.Takeuchi	2007-10-10
engr	H.Takeuchi	2007-10-10
chr	K. Shoji	2007-10-10
appd	S. Nakano	2007-10-10

title: PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-2STAE1LF)

dwg no JSA 97372 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision	A
	sheet	1

Rev. A

SC-HFWS06 JSA97371
form: A4

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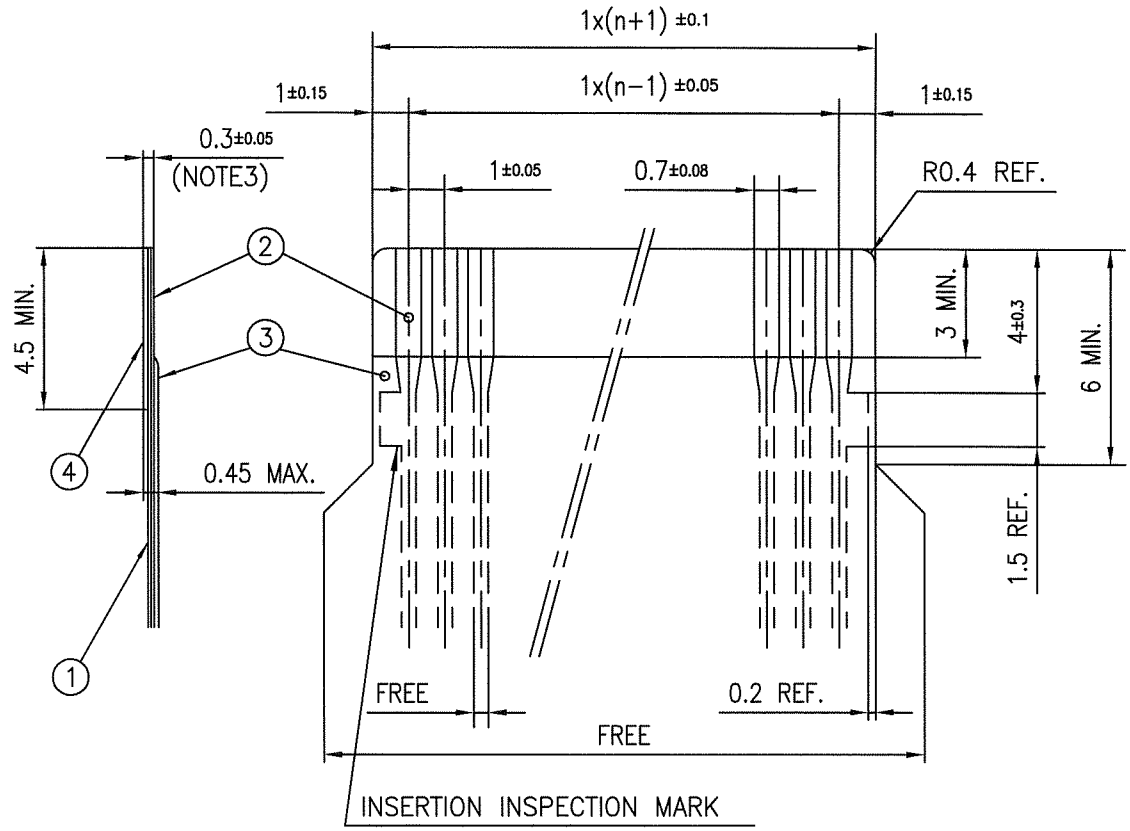
PDM: Rev:A STATUS:Released Printed: Apr 28, 2009

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 : GOLD.)	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.

ltr	ecn no	dr	date
A	J07-0502	H.T	2007-10-10

mat'l. code

surface ISO 1302 58

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles; linear

projection

mm

scale X

dr	H.Tokuyama	2007-10-10
engr	H.Tokuyama	2007-10-10
chr	R.Shouji	2007-10-10
appd	S.Okudaira	2007-10-10

product family 580F

CODE JP

title: RECOMMENDED CABLE (CAT.No.HFW__S-2STA__)

dwg no JSA 97373

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision	A
	sheet	1

Rev. A

form: A4

PDM: Rev:A STATUS:Released Printed: Apr 28, 2009

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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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