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Configuration of Documents

CAT. No.

Documents No.

Title

P/N

SC-HFWS05 CONNECTOR USED FOR PFC/PFC WITH 1mm CONTACT SPACING COPING WITH AUTOMATIC MOUNTING & SMT
 JSA97113 CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR
 JSA97114 1mm SPACING SURFACE MOUNT CONNECTOR
 JSA97115 CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.
 JSA97116 PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR
 JSA97117 RECOMMENDED CABLE
 JSA97118 RECOMMENDED CABLE

HFWS-4STZE1LF
 HFWS-4STZ-LF
 HFWS-4STZ-LF
 HFWS-4STZE1LF
 HFWS-4STZE1LF
 HFWS-4ST-
 HFWS-4ST-

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			
A	J06-0107	H.T	3/20/06	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">angles</div> <div style="margin-right: 10px;">linear</div> <div style="margin-right: 10px;">mm</div> <div>scale X</div> </div>										HFW_S Documents Configuration (1mm Contact Spacing connector)	
B	J06-0435	H.T	10/26/06												
				dr		10/26/06				dwg no		sheet 1 of 1	size		
				enrg		10/26/06				JSA 97119		A4			
				chr		10/26/06									
				appd		10/26/06									
sheet index	revision sheet	B	1									Rev. B			

form: A4

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

CAT. NO.

HFW (n) S - 4 ST Z __ LF
 SERIES
 NO. OF CONTACTS
 STRAIGHT TYPE
 VARIATION
 FOR AUTOMATIC MOUNTING (SMT)
 PLATING VARIATION
 PACKAGE STYLE
 LEAD FREE

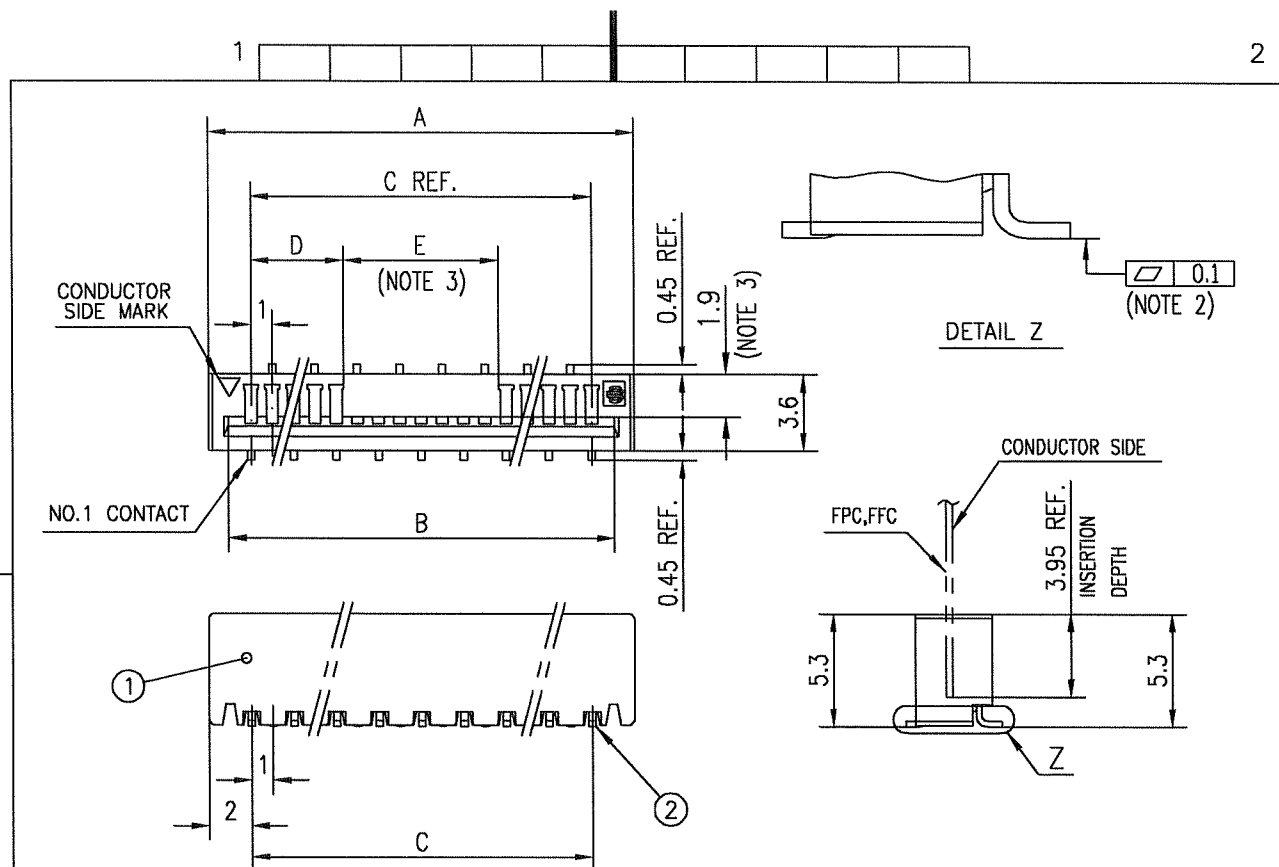
NOTES

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.

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	J06-0107	H.T	3/20/06	angles	linear	scale X		CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-4STZ__LF)			
B	J06-0435	H.T	10/26/06					dwg no sheet 1 of 1 size			
				dr	10/26/06	FCI		JSA 97113 A4			
				engr	10/26/06			type Product Customer Drawing			
				chr	10/26/06						
				appd	10/27/06						
sheet index	revision	B									Rev. B
	sheet	1									

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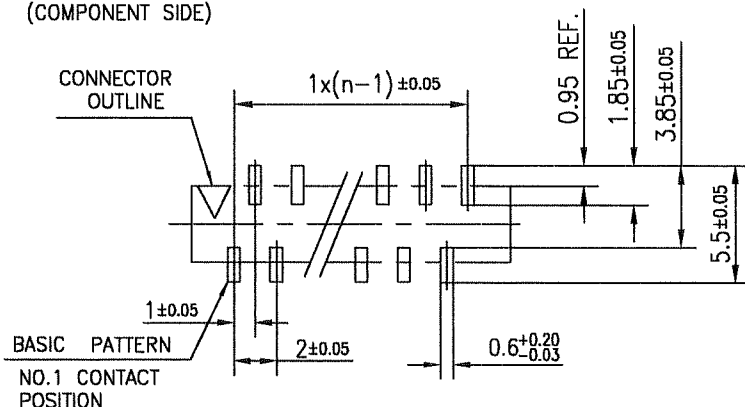
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PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:THIN TIN

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 SOLDERIN OVEN.

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	J06-0107	H.T	3/20/06	±0.2		mm		1mm SPACING SURFACE MOUNT CONNECTOR			
B	J06-0435	H.T	10/26/06	angles	linear	scale X		(CAT.No.HFW__S-4STZ__LF)			
				dr	10/26/06			dwg no		sheet 1 of 1	
				engr	10/26/06			JSA 97114		size A4	
				chr	10/26/06			type		Product Customer Drawing	
				appd	10/27/06						
sheet index		revision B								Rev. B	
sheet 1											

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CAT. NO. & DIMENSIONS

(NOTE 4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE 2)	DIMENSIONS (NOTE 3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-4STZE1LF	28.4	24	—
	5	HFW5S-4STZE1LF	28.4	24	—
	6	HFW6S-4STZE1LF	28.4	24	—
	7	HFW7S-4STZE1LF	28.4	24	—
	8	HFW8S-4STZE1LF	28.4	24	—
	9	HFW9S-4STZE1LF	28.4	24	—
	10	HFW10S-4STZE1LF	28.4	24	—
	11	HFW11S-4STZE1LF	28.4	24	—
	12	HFW12S-4STZE1LF	28.4	24	—
	13	HFW13S-4STZE1LF	28.4	24	—
	14	HFW14S-4STZE1LF	36.4	32	28.4
	15	HFW15S-4STZE1LF	36.4	32	28.4
	16	HFW16S-4STZE1LF	36.4	32	28.4
	17	HFW17S-4STZE1LF	36.4	32	28.4
	18	HFW18S-4STZE1LF	48.4	44	40.4
	19	HFW19S-4STZE1LF	48.4	44	40.4
	20	HFW20S-4STZE1LF	48.4	44	40.4
	21	HFW21S-4STZE1LF	48.4	44	40.4
	22	HFW22S-4STZE1LF	48.4	44	40.4
	23	HFW23S-4STZE1LF	48.4	44	40.4
	24	HFW24S-4STZE1LF	48.4	44	40.4
	25	HFW25S-4STZE1LF	48.4	44	40.4
	26	HFW26S-4STZE1LF	48.4	44	40.4
	27	HFW27S-4STZE1LF	48.4	44	40.4
	28	HFW28S-4STZE1LF	48.4	44	40.4
	29	HFW29S-4STZE1LF	60.4	56	52.4
	30	HFW30S-4STZE1LF	60.4	56	52.4
*	31	HFW31S-4STZE1LF	60.4	56	52.4
	32	HFW32S-4STZE1LF	60.4	56	52.4
*	33	HFW33S-4STZE1LF	60.4	56	52.4

CAT. NO.

HFW (n) S - 4 ST Z E1 LF

SERIES

NO. OF CONTACTS

STRAIGHT TYPE

VARIATION

FOR AUTOMATIC MOUNTING

(SMT)

PLATING VARIATION

PACKAGE STYLE

LEAD FREE

NOTES

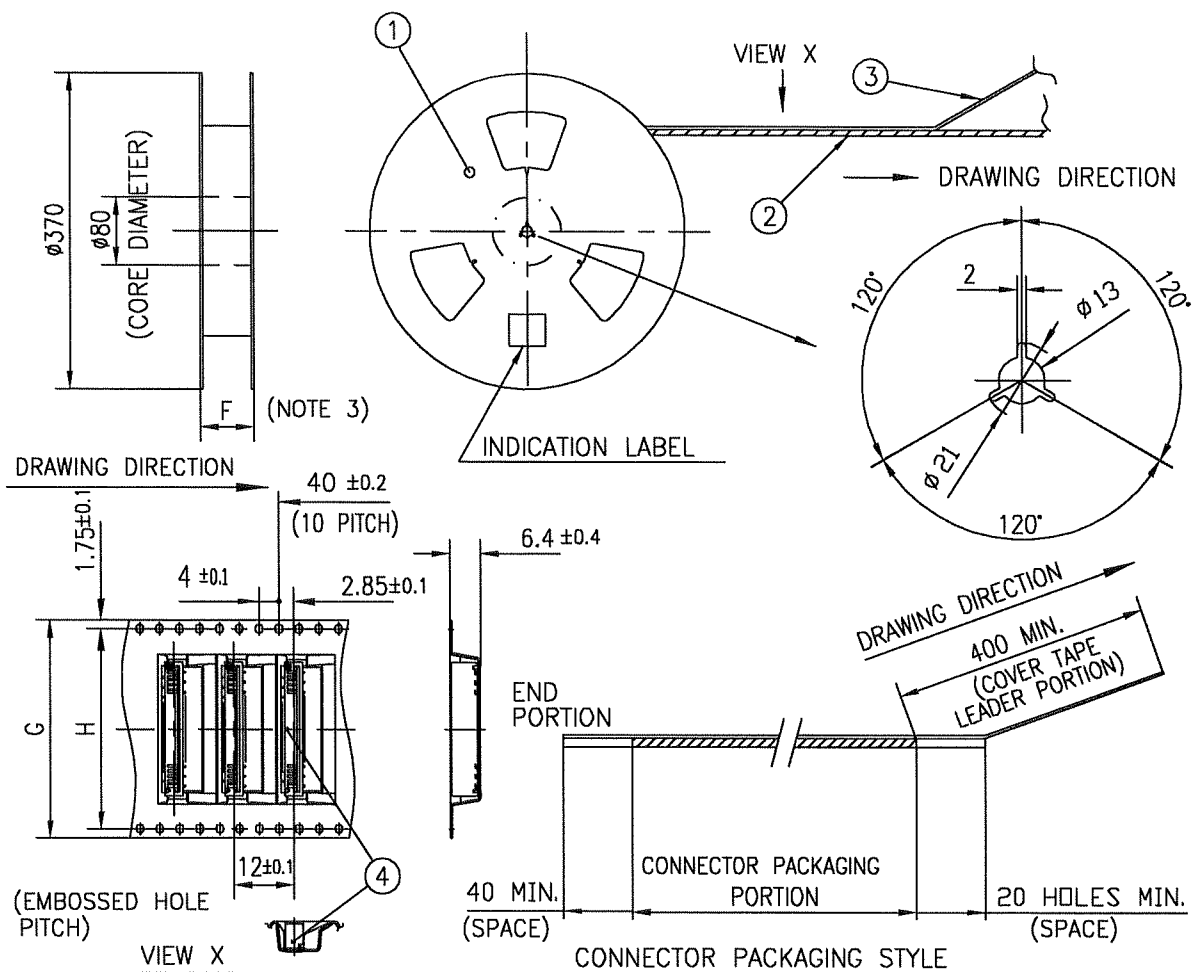
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS F~H.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

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-4STZE1LF)				
A	J06-0107	H.T	3/20/06	angles	linear	mm						
B	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 97115		A4	
				chr	10/26/06							
				appd	10/27/06							
sheet index		revision B								Rev. B		

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

NOTES

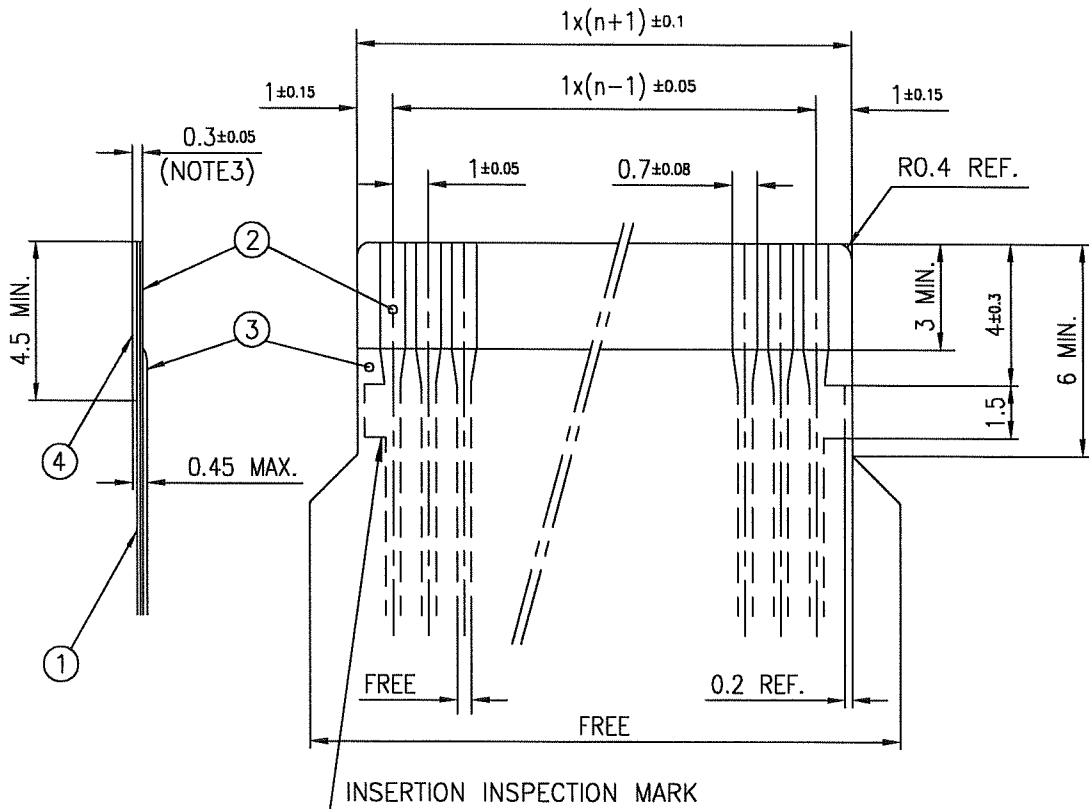
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSD) TAPE AND REEL.
3. F DIMENSION IS PORTION OF THE CORE.

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		mm		title			
A	J06-0107	H.T	3/20/06	angles		mm		PLASTIC TAPE PACKAGED			
B	J06-0435	H.T	10/26/06	linear		mm		1mm SPACING SMT CONNECTOR			
				±5°		scale X		(CAT.No.HFW__S-4STZE1LF)			
				dr		10/26/06		dwg no			
				engr		10/26/06		sheet 1 of 1 size			
				chr		10/26/06		JSA 97116 A4			
				appd		10/27/06		type Product Customer Drawing			
sheet index		revision B								Rev. B	
sheet 1											

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form: A4

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 : LEAD FREE)	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	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J06-0107	H.T	3/20/'06	angles linear		mm		RECOMMENDED CABLE			
B	J06-0435	H.T	10/26/'06			scale X		(CAT.No.HFW__S-4ST__)			
				dr		10/26/'06		dwg no			
				engr		10/26/'06		sheet 1 of 1			
				chr		10/26/'06		JSA 97117			
				appd		10/27/'06		size A4			
								type Product Customer Drawing			
sheet index		revision sheet		B						Rev. B	

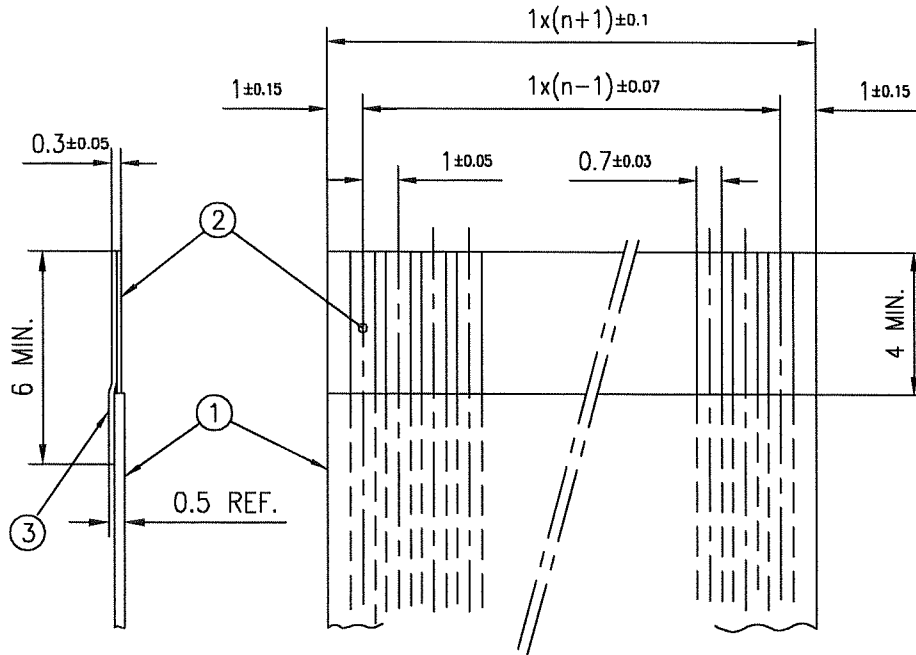
form: A4

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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: LEAD FREE
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				title			
A	J06-0107	H.T	3/20/06	angles	linear	mm		RECOMMENDED CABLE (CAT.No.HFW__S-4ST__)			
B	J06-0435	H.T	10/26/06			scale \propto					
				dr	<i>H. Nakamura</i> 10/26/06			dwg no		sheet 1 of 1	size
				enr	<i>H. Nakamura</i> 10/26/06			JSA 97118		A4	
				chr	<i>R. Shouji</i> 10/26/06						
				appd	<i>J. Nakamura</i> 10/27/06						
sheet index	revision	B									Rev. B

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

[HFW11S-4STZE1HLF](#) [HFW32S-4STZE5HLF](#) [HFW9S-4STZE1HLF](#) [HFW4S-4STZE1HLF](#) [HFW32S-4STZE1HLF](#)