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1

2

List of "HFW__R-1/2STE1LF" customer document

DOCUMENT NO.	LIST
SC-HFWR02	SPEC.
JSA95923	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__R-1/2ST_LF)
JSA95924	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (HFW__R-1ST_LF)
JSA95925	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (HFW__R-2ST_LF)
JSA95926	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.(HFW__R-1/2STE1LF)
JSA95927	1mm SPACING SMT CONNECTOR (HFW__R-1STE1LF)
JSA95928	1mm SPACING SMT CONNECTOR (HFW__R-2STE1LF)
JSA93573	RECOMMENDED CABLE (FPC) (HFW__R-1/2__)
JSA93574	RECOMMENDED CABLE (FFC) (HFW__R-1/2__)
BJM-HFWR101	HANDLING PROCEDURES

mat'l. code				surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection		product family 58NF		CODE JP		
ltr	ecn no	dr	date	tolerances, unless otherwise specified				mm		title 1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST (Cat. No. : HFW__R-1/2STE1LF)		
A	J05-0056	H.T	'05/2/4	angles	linear							
B	J06-0413	H.T	10/4/'06					scale $\propto$				
				dr	10/14/06				dwg no		sheet 1 of 1	size
				enr	10/20/06				JSA 96335		A4	
				chr	10/12/06							
				appd	10/12/06							
sheet index		revision sheet		B	1					type Product Customer Drawing		Rev. B

form: A4

1

2

CAT. NO. & DIMENSIONS

(NOTE3)	NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)		
			A ± 0.2	B ± 0.2	C ± 0.1
	4	HFW4R-1/2ST__LF	6.6	3	5.14
	5	HFW5R-1/2ST__LF	7.6	4	6.14
	6	HFW6R-1/2ST__LF	8.6	5	7.14
	7	HFW7R-1/2ST__LF	9.6	6	8.14
	8	HFW8R-1/2ST__LF	10.6	7	9.14
	9	HFW9R-1/2ST__LF	11.6	8	10.14
	10	HFW10R-1/2ST__LF	12.6	9	11.14
	11	HFW11R-1/2ST__LF	13.6	10	12.14
	12	HFW12R-1/2ST__LF	14.6	11	13.14
	13	HFW13R-1/2ST__LF	15.6	12	14.14
	14	HFW14R-1/2ST__LF	16.6	13	15.14
	15	HFW15R-1/2ST__LF	17.6	14	16.14
	16	HFW16R-1/2ST__LF	18.6	15	17.14
	17	HFW17R-1/2ST__LF	19.6	16	18.14
	18	HFW18R-1/2ST__LF	20.6	17	19.14
	19	HFW19R-1/2ST__LF	21.6	18	20.14
	20	HFW20R-1/2ST__LF	22.6	19	21.14
	21	HFW21R-1/2ST__LF	23.6	20	22.14
	22	HFW22R-1/2ST__LF	24.6	21	23.14
	23	HFW23R-1/2ST__LF	25.6	22	24.14
	24	HFW24R-1/2ST__LF	26.6	23	25.14
	25	HFW25R-1/2ST__LF	27.6	24	26.14
	26	HFW26R-1/2ST__LF	28.6	25	27.14
	27	HFW27R-1/2ST__LF	29.6	26	28.14
*	28	HFW28R-1/2ST__LF	30.6	27	29.14
*	29	HFW29R-1/2ST__LF	31.6	28	30.14
	30	HFW30R-1/2ST__LF	32.6	29	31.14

CAT. NO. HFW (n) R - 1 ST __ LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

LEAD FREE

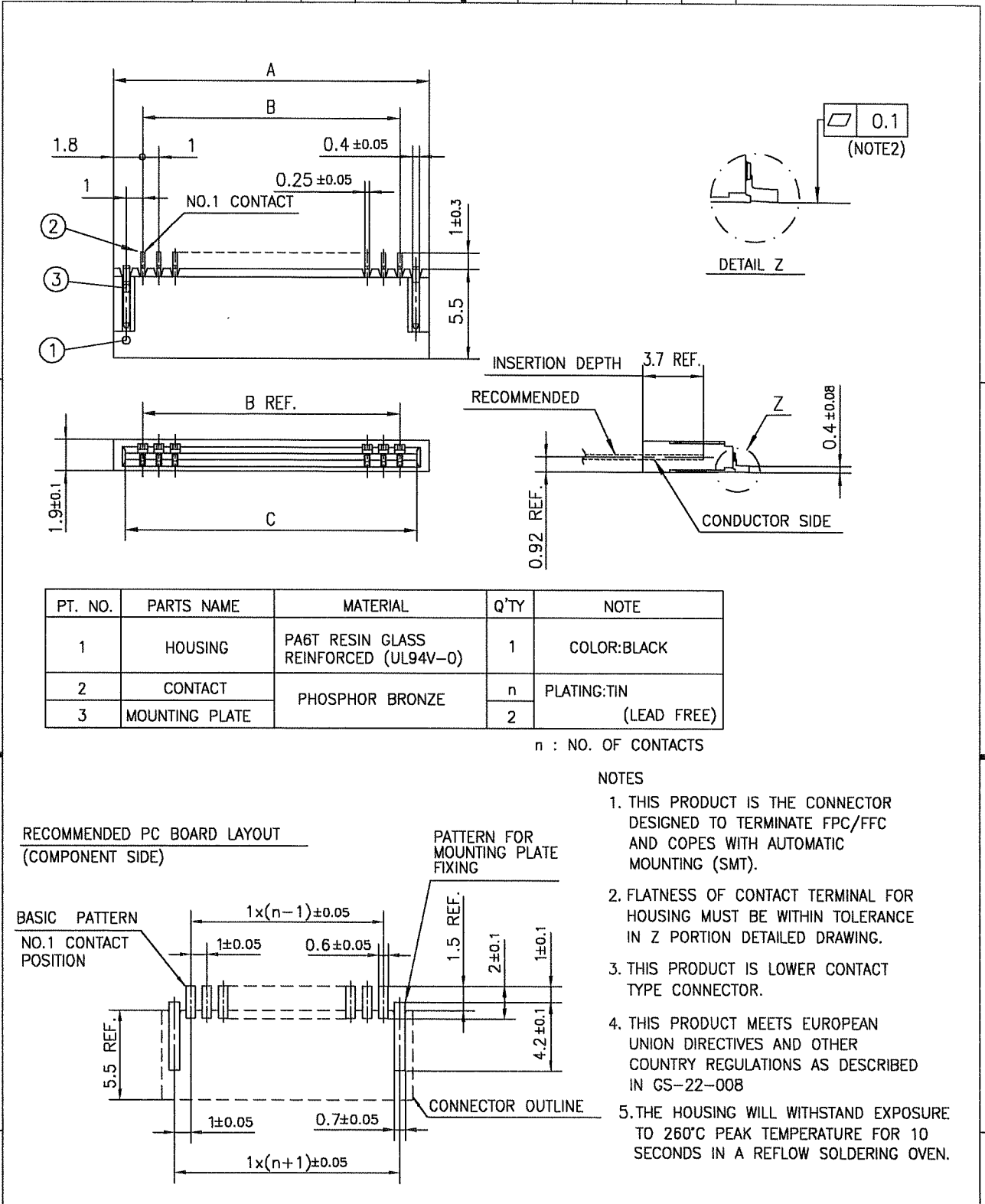
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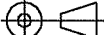
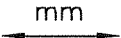
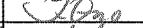
- THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
- SEE PART DRAWINGS FOR DIMENSIONS A~C.
- PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

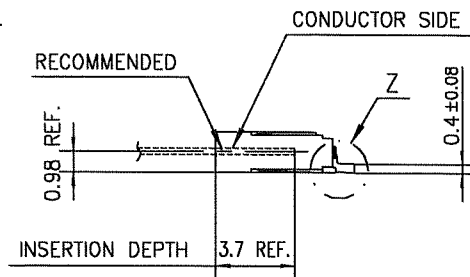
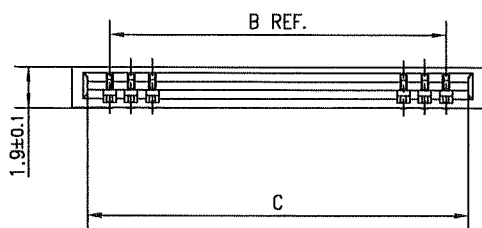
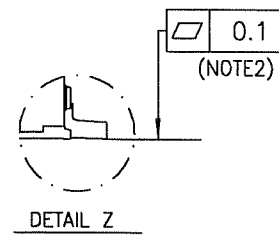
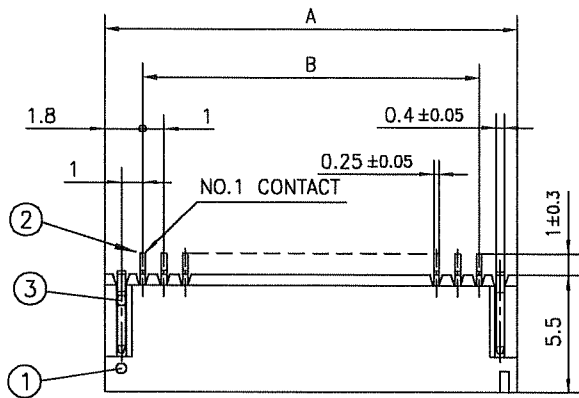
mat'l. code				surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J04-0027	H.T	4/6/04	angles	linear	mm		CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. HFW__R-1/2ST__LF)			
B	J05-0056	H.T	2/4/05			scale X		dwg no sheet 1 of 1 size			
C	J06-0413	H.T	10/4/06			FCI		JSA 95923 A4			
sheet index				revision C		type Product Customer Drawing		Rev. C			

SC-HFWR02 form: A4 JSA95924 95925 95926 95927 95928 93573 93574

2



mat'l. code				surface 58 ☒ tolerance ISO 1302 ☒ ISO 406 ☒ ISO 1101				projection 		product family 58NF				CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified						title 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (Cat.No. HFW__R-1ST__LF)					
A J04-0027 H.T 4/6/'04				angles linear ±0.2											
B J05-0056 H.T 2/4/'05								scale $\times$		dwg no sheet 1 of 1 size JSA 95924 A4					
C J05-0732 H.T 10/28/'05															
D J06-0413 H.T 10/4/'06				dr  10/12/'06						type Product Customer Drawing					
				enrg  10/12/'06											
				chr  10/12/'06											
				appd  10/12/'06											
sheet index		revision sheet		D 1											Rev. D

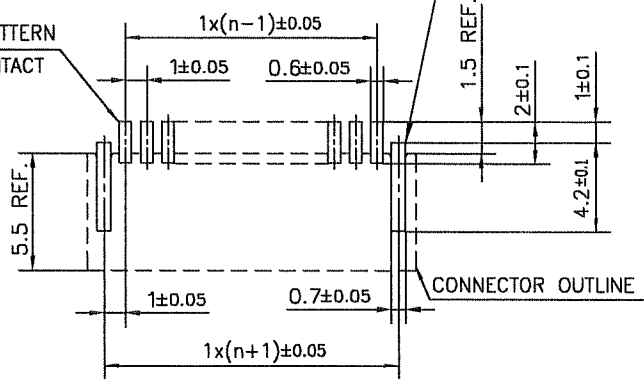


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN
3	MOUNTING PLATE		2	(LEAD FREE)

n : NO. OF CONTACTS

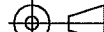
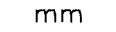
RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

BASIC PATTERN
NO.1 CONTACT
POSITION



NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.
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 58NF				CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified						title 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (Cat. No. HFW__R-2ST__LF)					
A	J04-0027	H.T	4/6/'04	angles	linear	±0.2									
B	J05-0056	H.T	2/4/'05												
C	J05-0732	H.T	10/28/'05				scale X		dwg no sheet 1 of 1 size JSA 95925 A4						
D	J06-0413	H.T	10/4/'06	dr	<i>H. J</i>										

SC-HFWR02 JSA95923
form: A4

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2



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CAT. NO. & DIMENSIONS

(NOTE4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			E ± 5	F ± 0.3	G ± 0.1
	4	HFW4R-1/2STE1LF	28.4	24	—
	5	HFW5R-1/2STE1LF	28.4	24	—
	6	HFW6R-1/2STE1LF	28.4	24	—
	7	HFW7R-1/2STE1LF	28.4	24	—
	8	HFW8R-1/2STE1LF	28.4	24	—
	9	HFW9R-1/2STE1LF	28.4	24	—
	10	HFW10R-1/2STE1LF	28.4	24	—
	11	HFW11R-1/2STE1LF	28.4	24	—
	12	HFW12R-1/2STE1LF	28.4	24	—
	13	HFW13R-1/2STE1LF	28.4	24	—
	14	HFW14R-1/2STE1LF	28.4	24	—
	15	HFW15R-1/2STE1LF	36.4	32	28.4
	16	HFW16R-1/2STE1LF	36.4	32	28.4
	17	HFW17R-1/2STE1LF	36.4	32	28.4
	18	HFW18R-1/2STE1LF	36.4	32	28.4
	19	HFW19R-1/2STE1LF	48.4	44	40.4
	20	HFW20R-1/2STE1LF	48.4	44	40.4
	21	HFW21R-1/2STE1LF	48.4	44	40.4
	22	HFW22R-1/2STE1LF	48.4	44	40.4
	23	HFW23R-1/2STE1LF	48.4	44	40.4
	24	HFW24R-1/2STE1LF	48.4	44	40.4
	25	HFW25R-1/2STE1LF	48.4	44	40.4
	26	HFW26R-1/2STE1LF	48.4	44	40.4
	27	HFW27R-1/2STE1LF	48.4	44	40.4
*	28	HFW28R-1/2STE1LF	48.4	44	40.4
*	29	HFW29R-1/2STE1LF	48.4	44	40.4
	30	HFW30R-1/2STE1LF	60.4	56	52.4

CAT. NO.

HFW (n) R - 1 ST E1 LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

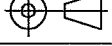
FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

NOTES

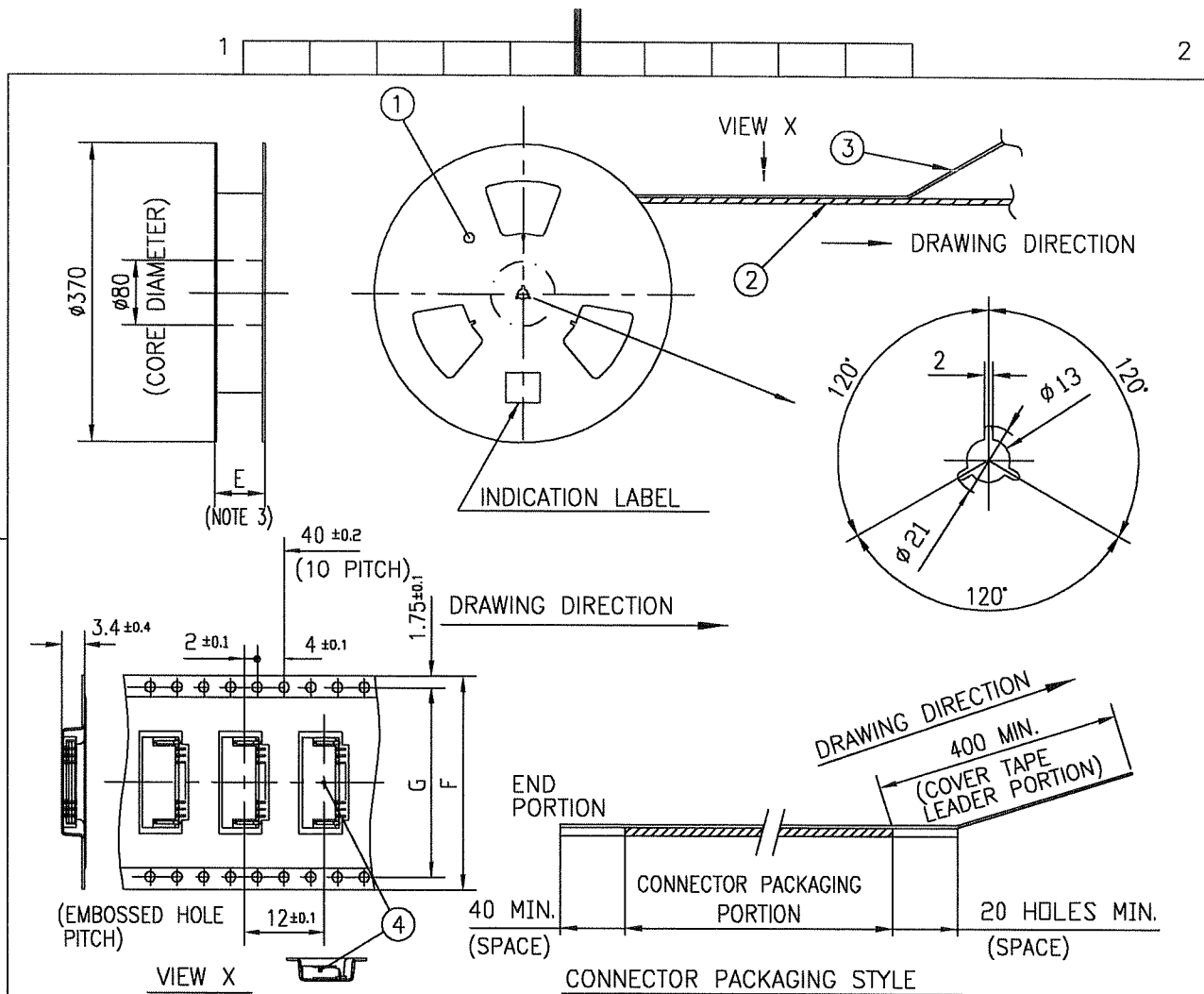
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPS WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

mat'l. code				surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		 mm scale X		title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (Cat.No. HFW__R-1/2STE1LF)			
A	J04-0027	H.T	4/6/04	angles	linear						
B	J05-0056	H.T	2/4/05								
C	J06-0413	H.T	10/4/06								
				dr	10/4/06			dwg no sheet 1 of 1 size JSA 95926 A4			
				enrg	10/4/06						
				chr	10/12/06						
				appd	10/12/06						
sheet index		revision	C							Rev. c	

SC-HFWR02 JSA95923 95927 95928
form: A4

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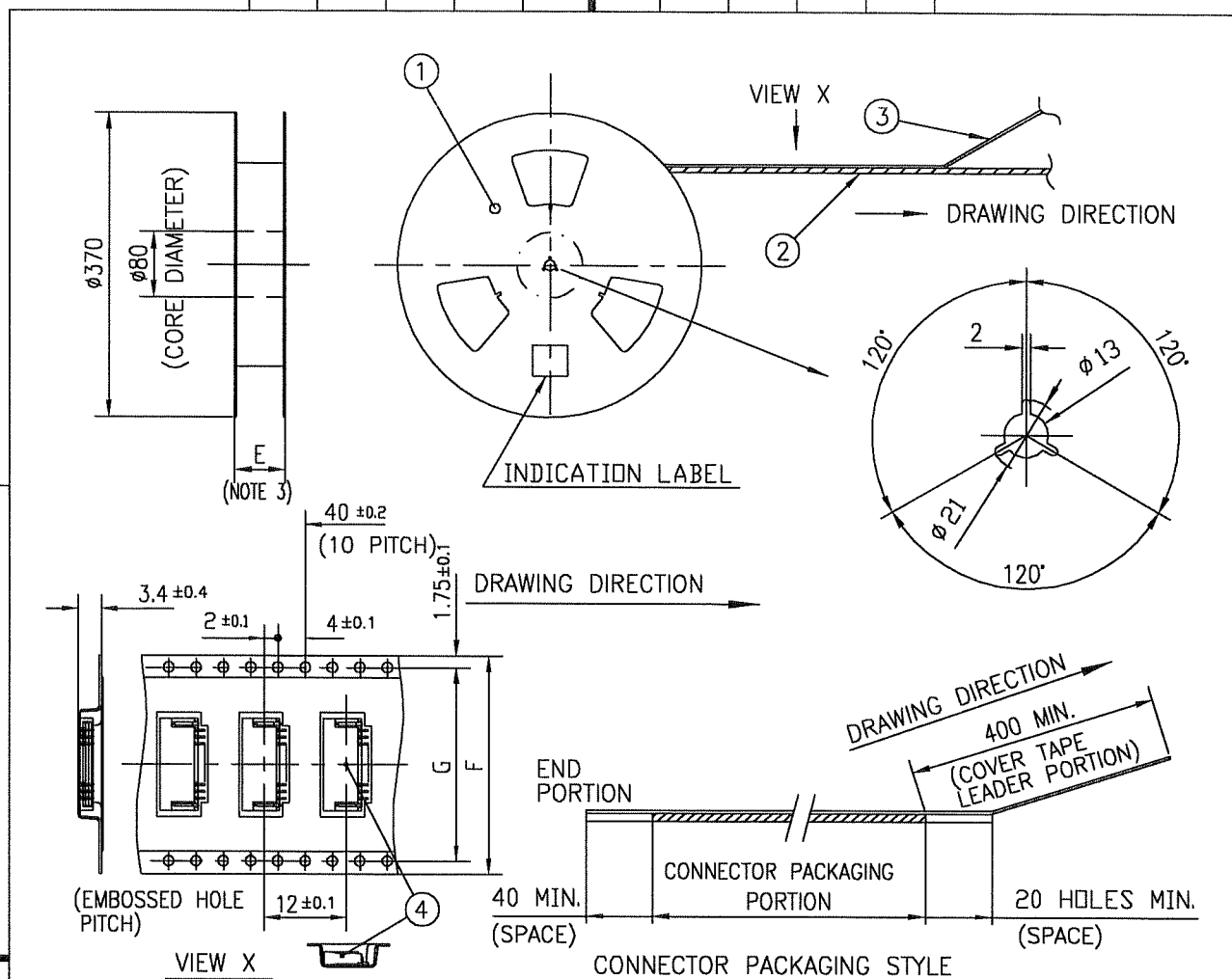
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__R-1ST__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE 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 (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface 58 / tolerance ISO 1302 ✓ / ISO 406 / ISO 1101	projection	product family 58NF	CODE JP
ltr	ecn no	dr	date	tolerances, unless otherwise specified	mm	title 1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-1STE1LF)	
A	J04-0027	H.T	4/6/'04	angles			
B	J05-0056	H.T	2/4/'05	linear			
C	J06-0413	H.T	10/4/'06	±5'			
				dr	FCI	dwg no sheet 1 of 1 size JSA 95927 A4	
				enr			
				chr			
				appd			
sheet index	revision	C				type Product Customer Drawing	
	sheet	1					

SC-HFWR02 JSA95926
form: A4



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSED) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__R-2ST__-LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

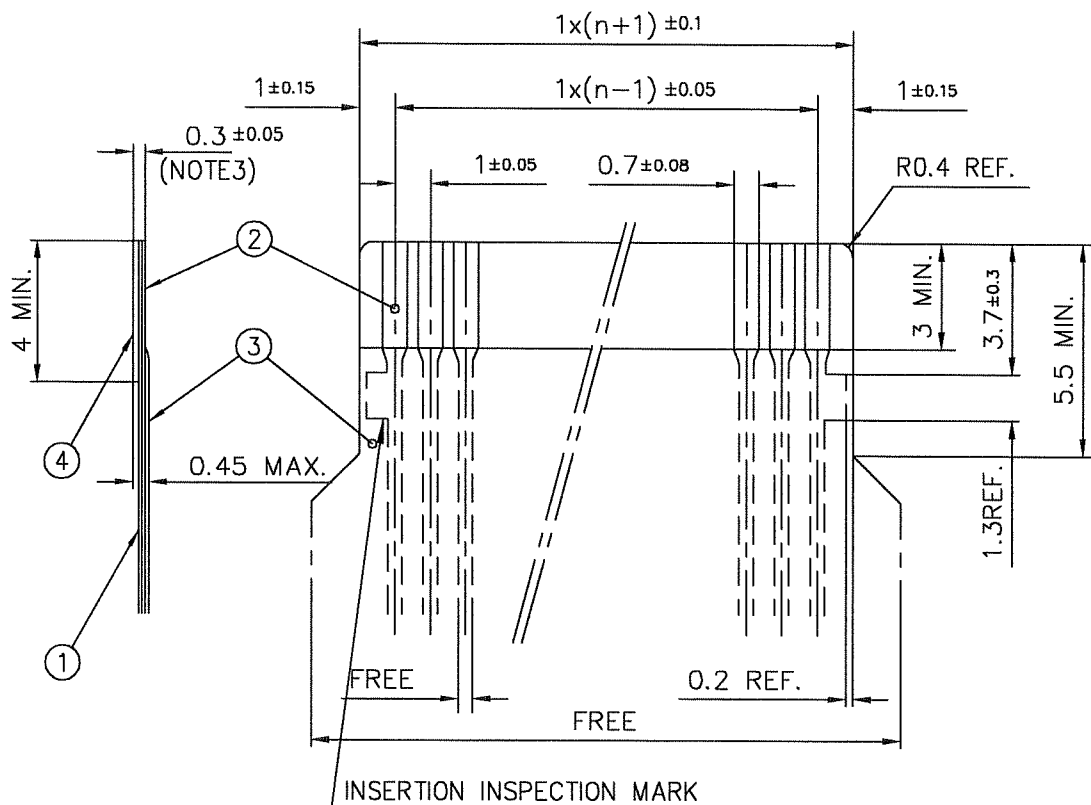
- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSED) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J04-0027	H.T	4/6/'04	angles linear		mm		1mm SPACING SMT CONNECTOR			
B	J05-0056	H.T	2/4/'05	±5'		scale X		(Cat.No. HFW__R-2STE1LF)			
C	J06-0413	H.T	10/4/'06	dr		12/10/06		dwg no			
				enr		10/10/06		sheet 1 of 1			
				chr		10/10/06		JSA 95928			
				appd		10/10/06		type Product Customer Drawing			
sheet index		revision sheet		C						Rev. c	

SC-HFWR02 JSA95926
form: A4

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



PT. NO.	DESCRIPTION	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 ✓		tolerance ISO 406 ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title RECOMMENDED CABLE (Cat. No. HFW__R-1/2__)			
A	J06-0413	H.T	10/4/'06										
				angles		linear		scale X		dwg no JSA 93573 sheet 1 of 1 size A4 type Product Customer Drawing			
sheet index				revision sheet		A 1				Rev. A			

form: A4

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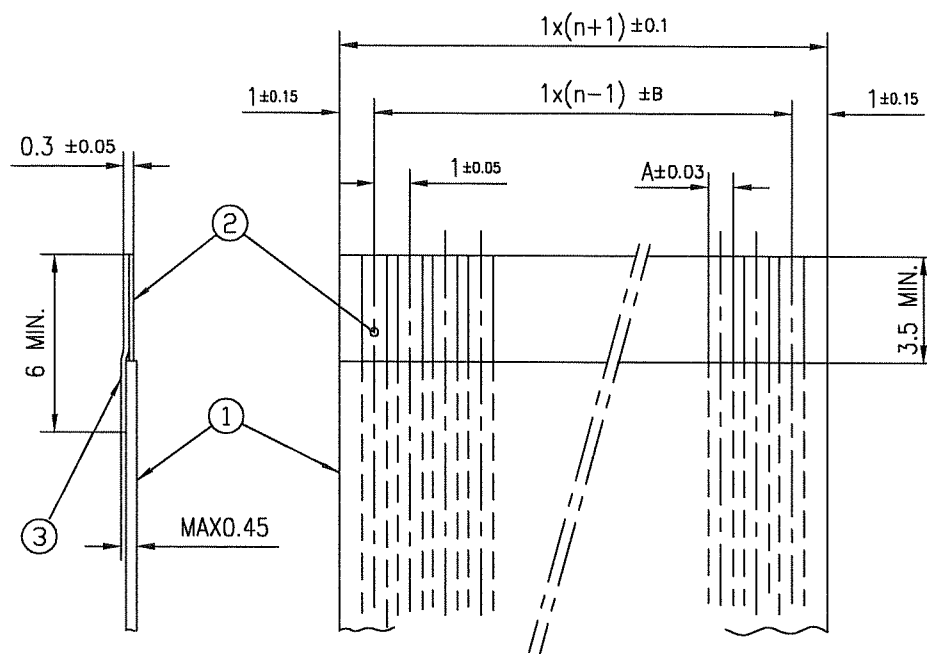
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RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTORS



(NOTE 3)	DIMENSION A	TOLERANCE B
1	0.7	0.1
2	0.6	0.07

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.
3. BOTH COMBINATION IS ALLOWED.

mat'l. code				surface 58 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection mm		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles		linear		title		RECOMMENDED CABLE	
1	—	T.M	4/30/'02							(Cat. No. HFW__R-1/2__)			
A	J06-0413	H.T	10/4/'06							dwg no		sheet 1 of 1	
				dr		12/10/06		12/10/06		JSA 93574		A4	
				enr		12/10/06		12/10/06		type		Product Customer Drawing	
				chr		10/12/06		10/12/06					
				appd		S. Gidau		10/12/06					
sheet index	revision sheet	A	1									Rev. A	

form: A4

1

2



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