

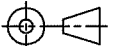
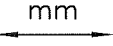
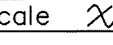


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List of "HFW__R-1/2STAE1LF" customer document

DOCUMENT NO.	LIST
SC-HFWR03	SPEC.
JSA96453	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__R-1/2STA__LF)
JSA96454	1mm SPACING SURFACE MOUNT FPC CONNECCTOR (HFW__R-1STA__LF)
JSA96455	1mm SPACING SURFACE MOUNT FPC CONNECCTOR (HFW__R-2STA__LF)
JSA96456	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.(HFW__R-1/2STAE1LF)
JSA96457	1mm SPACING SMT CONNECTOR (HFW__R-1STAE1LF)
JSA96458	1mm SPACING SMT CONNECTOR (HFW__R-2STAE1LF)
JSA96459	RECOMMENDED CABLE (FPC) (HFW__R-1/2STA)
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			
A	J05-0322	H.T	6/3/'05	angles	linear	scale 		1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST			
B	J06-0413	H.T	10/4/'06					(Cat. No. : HFW__R-1/2STAE1LF)			
C	J07-0161	H.T	3/15/'07								
		dr				FCI		dwg no		sheet 1 of 1	size
		enrg						JSA 96452			A4
		chr						type Product Customer Drawing			
		appd									
sheet index	revision	C									Rev C
sheet	1										

form: A4

1

2

PDM: Rev:C

STATUS:Released

Printed: Feb 18, 2008

CAT. NO. & DIMENSIONS

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

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

GOLD PLATING

PACKAGE STYLE

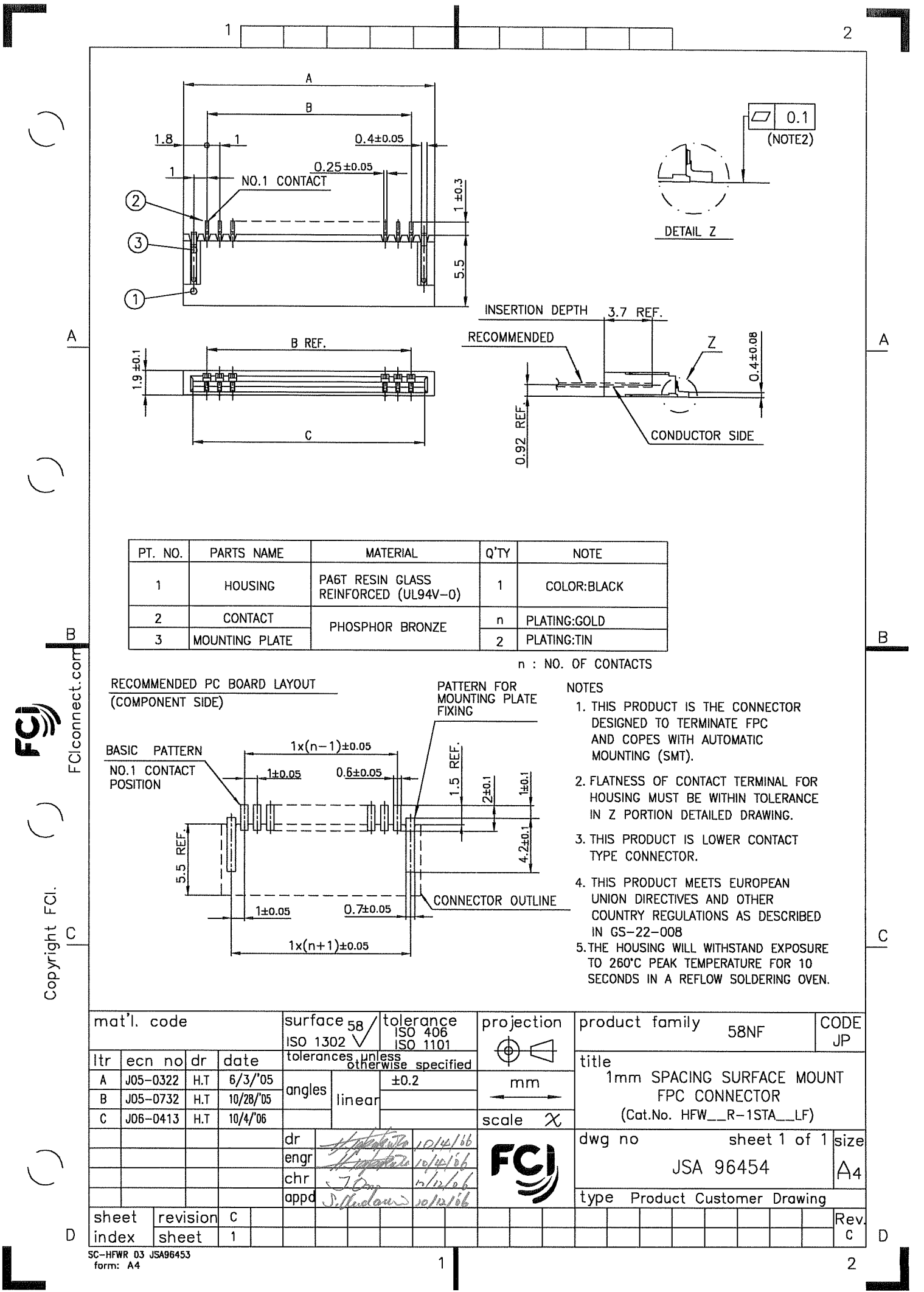
LEAD FREE

NOTES

- THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC 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 406 ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J05-0322	H.T	6/3/05	angles linear		mm		CAT NO.TABLE FOR 1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-1/2STA__LF)			
B	J06-0413	H.T	10/4/06			scale X		dwg no sheet 1 of 1 size			
				dr		10/4/06		JSA 96453 A4			
				enrg		10/4/06					
				chr		12/12/06					
				appd		12/12/06					
sheet index		revision B						type Product Customer Drawing		Rev. B	
sheet 1											

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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:GOLD
3	MOUNTING PLATE		2	PLATING:TIN

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

BASIC PATTERN
NO.1 CONTACT
POSITION

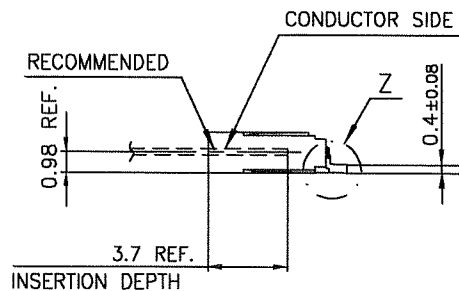
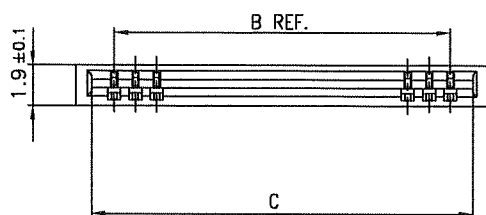
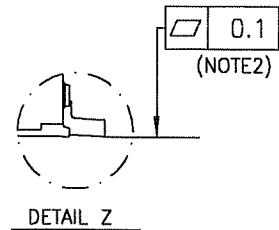
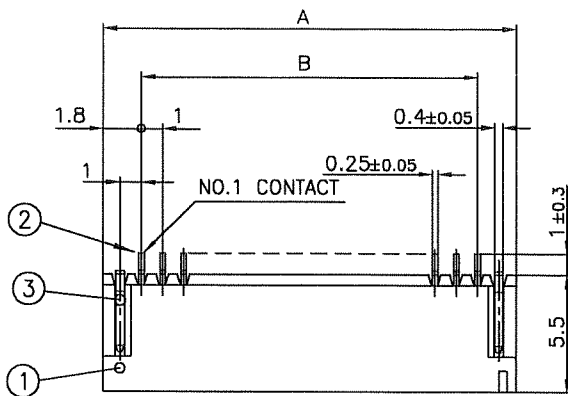
PATTERN FOR
MOUNTING PLATE
FIXING

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER 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	tolerance ISO 406	projection	product family 58NF	CODE JP
				ISO 1302	ISO 1101			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
A	J05-0322	H.T	6/3/'05	angles linear	±0.2	mm	1mm SPACING SURFACE MOUNT FPC CONNECTOR	
B	J05-0732	H.T	10/28/'05				(Cat.No. HFWR_R-1STA_LF)	
C	J06-0413	H.T	10/4/'06			scale X		
				dr	10/4/06	FCJ	dwg no	sheet 1 of 1 size
				enr	10/4/06		JSA 96454	A4
				chr	12/12/06			
				appd	10/12/06			
sheet index	revision	C					type Product Customer Drawing	
	sheet	1						Rev. C

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form: A4

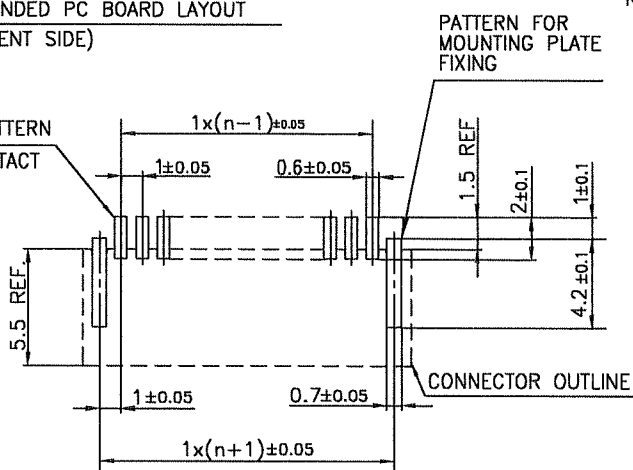


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:GOLD
3	MOUNTING PLATE		2	PLATING:TIN

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN
NO.1 CONTACT
POSITION



NOTES

- THIS PRODUCT IS THE CONNECTOR
- DESIGNED TO TERMINATE FPC AND COPS WITH AUTOMATIC MOUNTING (SMT).
- FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
- THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

mat'l. code				surface 58 / tolerance ISO 1302 ✓		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J05-0322	H.T	6/3/'05	angles linear		mm		1mm SPACING SURFACE MOUNT FPC CONNECTOR (Cat.No. HFW_R-2STA_LF)			
B	J05-0732	H.T	10/28/'05								
C	J06-0413	H.T	10/4/'06			scale X					
				dr		FCI		dwg no sheet 1 of 1 size			
				engr				JSA 96455 A4			
				chr				type Product Customer Drawing			
				appd							
sheet index		revision sheet 1								Rev. C	

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form: A4

CAT. NO. & DIMENSIONS

(NOTE4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			E ± 5	F ± 0.3	G ± 0.1
	4	HFW4R-1/2STAE1LF	28.4	24	—
	5	HFW5R-1/2STAE1LF	28.4	24	—
	6	HFW6R-1/2STAE1LF	28.4	24	—
	7	HFW7R-1/2STAE1LF	28.4	24	—
	8	HFW8R-1/2STAE1LF	28.4	24	—
	9	HFW9R-1/2STAE1LF	28.4	24	—
	10	HFW10R-1/2STAE1LF	28.4	24	—
	11	HFW11R-1/2STAE1LF	28.4	24	—
	12	HFW12R-1/2STAE1LF	28.4	24	—
	13	HFW13R-1/2STAE1LF	28.4	24	—
	14	HFW14R-1/2STAE1LF	28.4	24	—
	15	HFW15R-1/2STAE1LF	36.4	32	28.4
	16	HFW16R-1/2STAE1LF	36.4	32	28.4
	17	HFW17R-1/2STAE1LF	36.4	32	28.4
	18	HFW18R-1/2STAE1LF	36.4	32	28.4
	19	HFW19R-1/2STAE1LF	48.4	44	40.4
	20	HFW20R-1/2STAE1LF	48.4	44	40.4
	21	HFW21R-1/2STAE1LF	48.4	44	40.4
	22	HFW22R-1/2STAE1LF	48.4	44	40.4
	23	HFW23R-1/2STAE1LF	48.4	44	40.4
	24	HFW24R-1/2STAE1LF	48.4	44	40.4
	25	HFW25R-1/2STAE1LF	48.4	44	40.4
	26	HFW26R-1/2STAE1LF	48.4	44	40.4
	27	HFW27R-1/2STAE1LF	48.4	44	40.4
*	28	HFW28R-1/2STAE1LF	48.4	44	40.4
*	29	HFW29R-1/2STAE1LF	48.4	44	40.4
	30	HFW30R-1/2STAE1LF	60.4	56	52.4

CAT. NO.

HFW (n) R - 1 ST A 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)
 GOLD PLATING
 TAPE PACKAGING
 LEAD FREE

NOTES

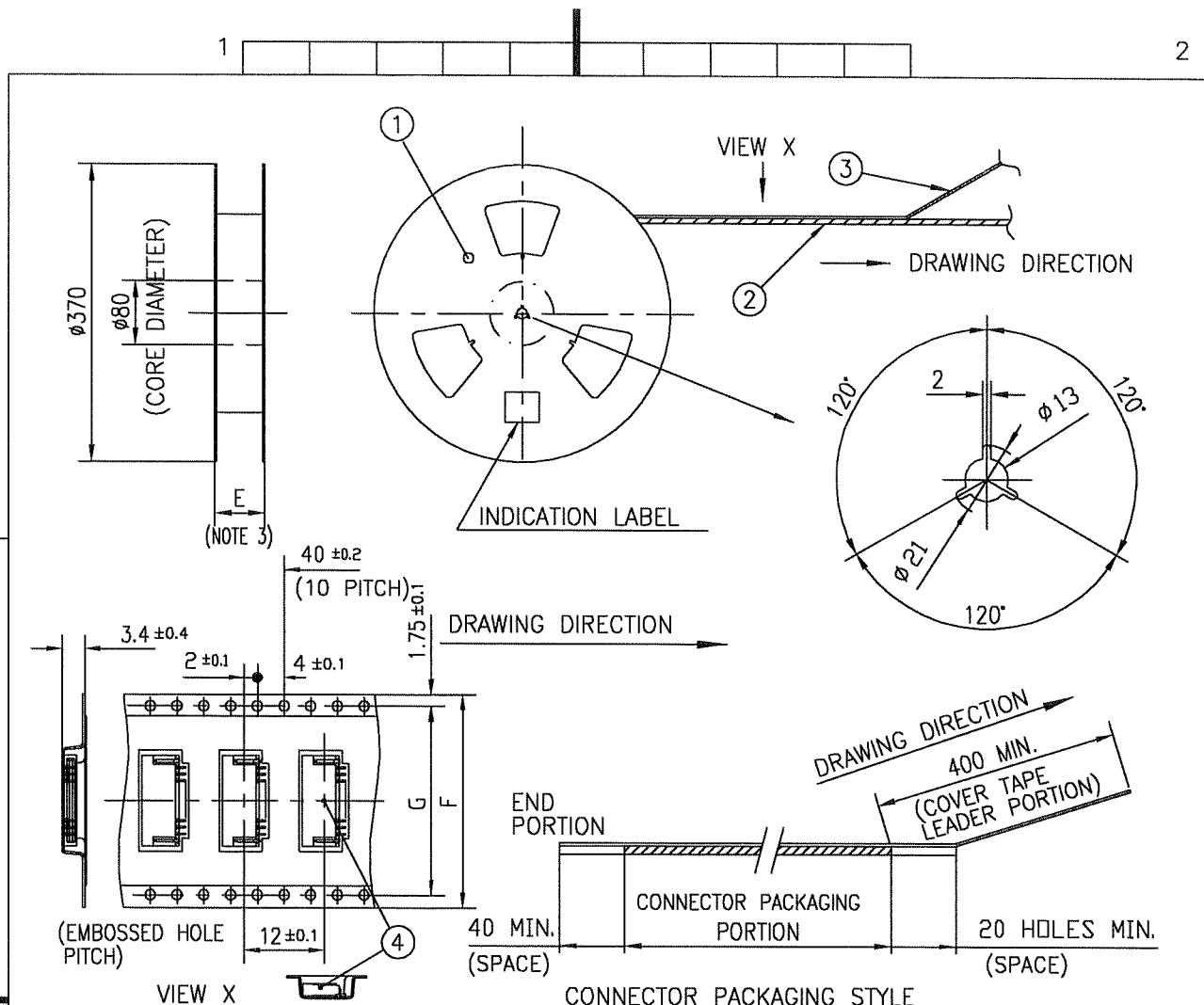
- THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COPE WITH AUTOMATIC MOUNTING (SMT).
- THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
- SEE PART DRAWINGS FOR DIMENSIONS E~G.
- PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

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		mm		scale		title			
A	J05-D322	H.T	6/3/'05	angles	linear	mm		X		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN (Cat.No. HFW__R-1/2STAE1LF)			
B	J06-D413	H.T	10/4/'06										
				dr	10/10/06					dwg no sheet 1 of 1 size			
				enr	10/10/06					JSA 96456 A4			
				chr	10/12/06								
				appd	10/12/06								
sheet index		revision	B									Rev. B	
		sheet	1										

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1

2



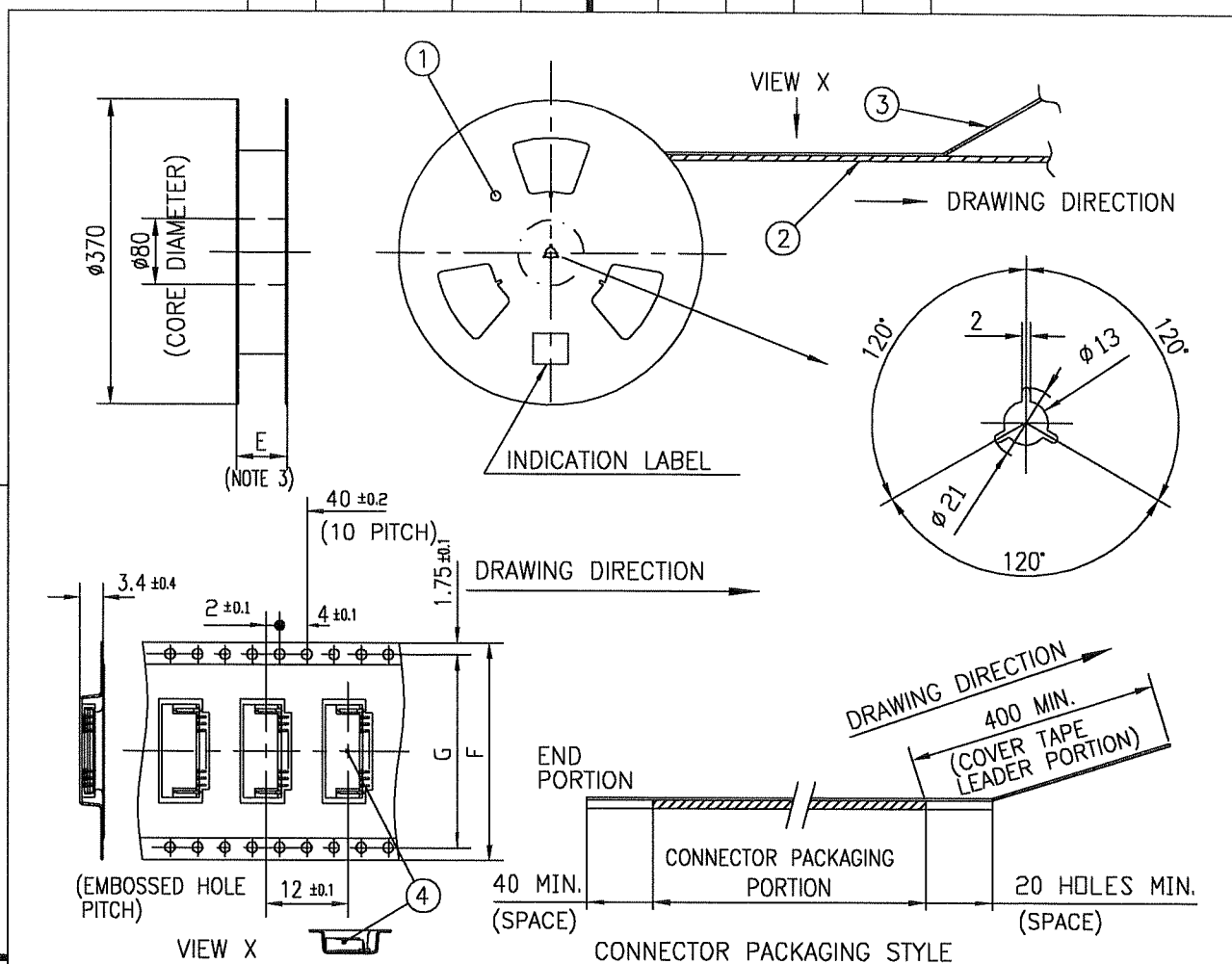
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSD) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__R-1STA__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

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

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			
A	J05-0322	H.T	6/3/'05	angles linear				mm		1mm SPACING SMT CONNECTOR			
B	J06-0413	H.T	10/4/'06	±5'				scale X		(Cat.No. HFW__R-1STAE1LF)			
				dr		10/4/06				dwg no		sheet 1 of 1	
				enr		10/4/06				JSA 96457		size A4	
				chr		10/12/06							
				appd		10/12/06							
sheet index		revision sheet 1										Rev. B	

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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	HFWR__R-2STA__-LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

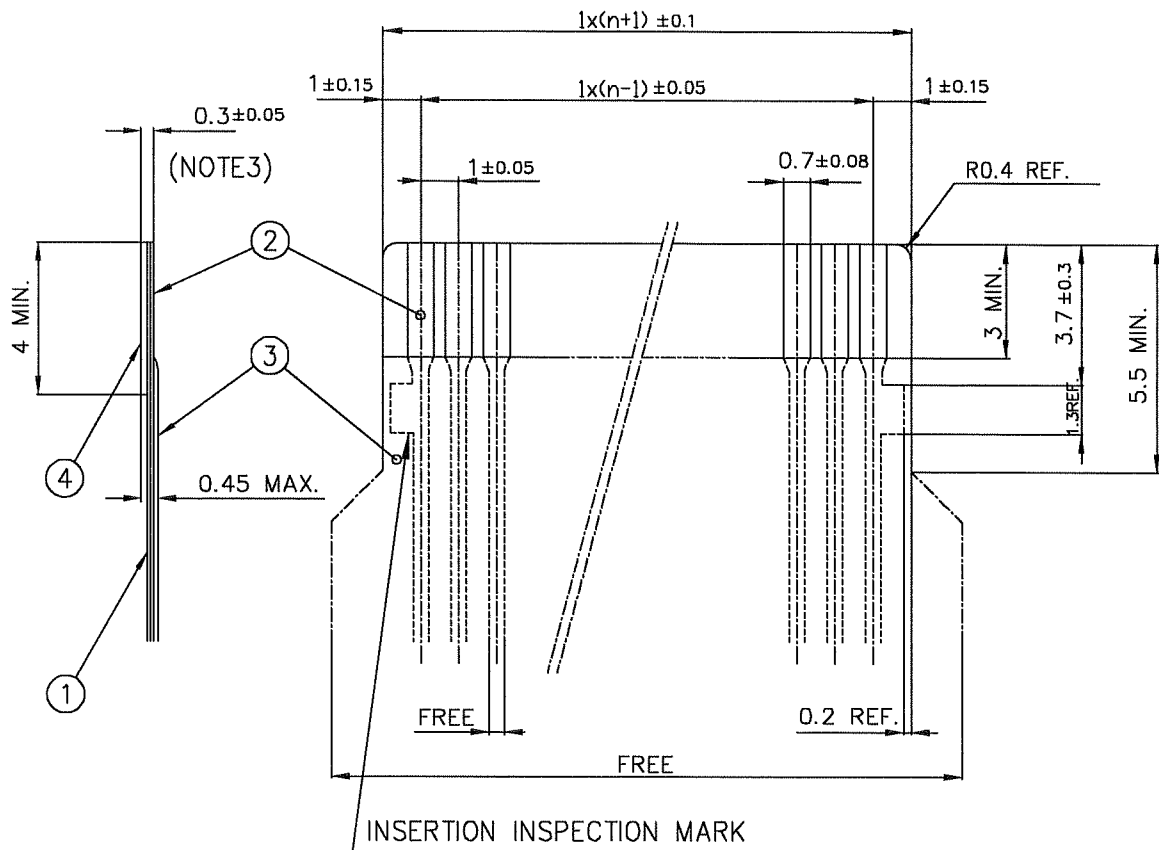
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE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

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		mm	title 1mm SPACING SMT CONNECTOR (Cat.No. HFWR__R-2STAE1LF)	
A	J05-0322	H.T	6/3/'05	angles	linear			
B	J06-0413	H.T	10/4/'06	±5'		scale	dwg no	
				dr	10/4/06	FCJ	sheet 1 of 1	
				enr	10/4/06		JSA 96458	
				chr	10/12/06		type Product Customer Drawing	
				appd	10/12/06			
sheet index	revision	B					Rev. B	
	sheet	1						

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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 : 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.

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				
A	J05-0322	H.T	6/2/'05							RECOMMENDED CABLE				
B	J06-0078	H.T	3/1/'06	angles	linear					HFW__R-1/2STA__				
C	J06-0413	H.T	10/4/'06					scale X						
				dr	10/4/06		FCI		dwg no				sheet 1 of 1	size
				enr	10/4/06				JSA 96459				A4	
				chr	10/12/06									
				appd	10/12/06									
sheet index		revision sheet		c									Rev. c	

form: A4

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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