

Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)
[HFW10R-2STZE1LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

List of "HFW__R-1/2STZE1LF" customer document

DOCUMENT NO.	LIST
SC-HFWR04	SPEC.
JSA96791	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__R-1/2STZ__LF)
JSA96792	1mm SPACING SURFACE MOUNT FPC CONNECTOR (HFW__R-1STZ__LF)
JSA96793	1mm SPACING SURFACE MOUNT FPC CONNECTOR (HFW__R-2STZ__LF)
JSA96794	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.(HFW__R-1/2STZE1LF)
JSA96795	1mm SPACING SMT CONNECTOR (HFW__R-1STZE1LF)
JSA96796	1mm SPACING SMT CONNECTOR (HFW__R-2STZE1LF)
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 ISO 1302		tolerance 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-1/2STZE1LF)			
A	J05-0653	H.T	10/12/05	angles	linear								
B	J06-0413	H.T	10/4/06					scale		dwg no JSA 96790			
				dr	10/14/06						sheet 1 of 1		size
				enr	10/10/06								A4
				chr	10/12/06								
				appd	10/12/06								
sheet index		revision sheet		B	1								Rev. B

CAT. NO. & DIMENSIONS

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

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

THIN TIN _____

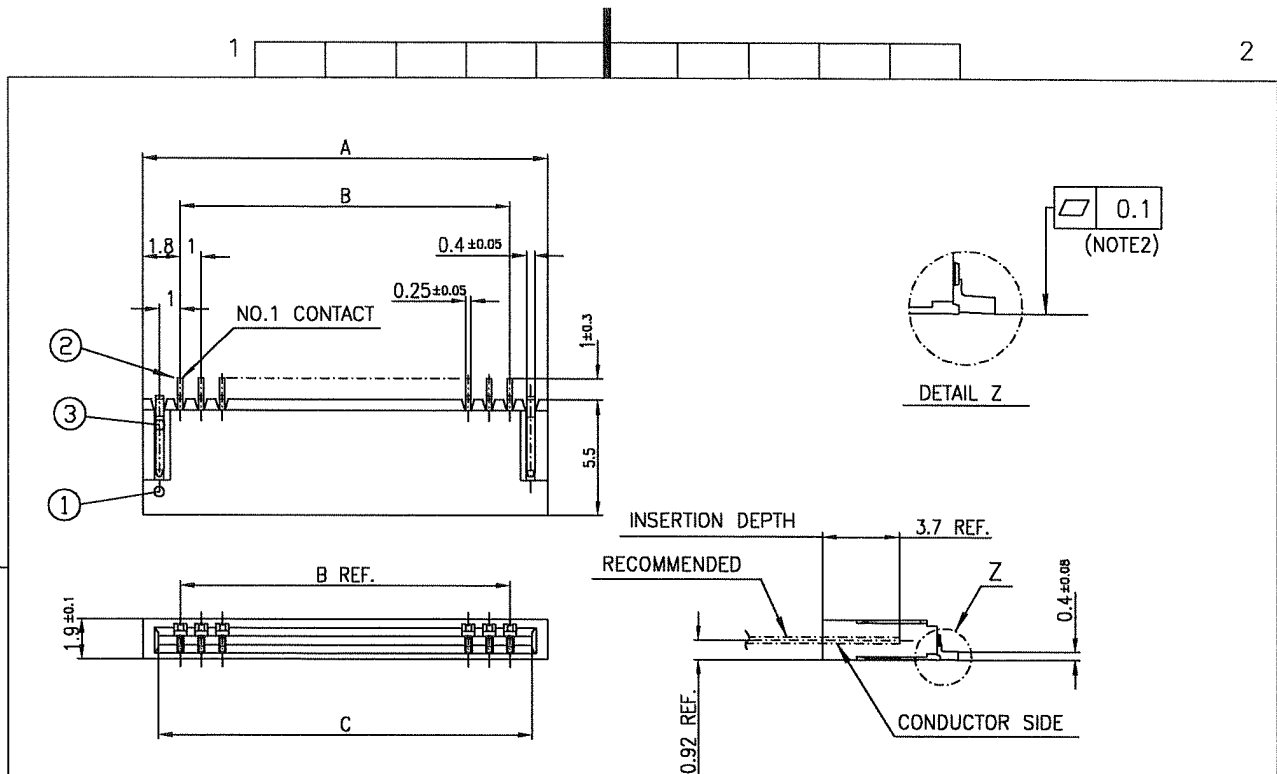
PACKAGE STYLE _____

LEAD FREE _____

NOTES

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

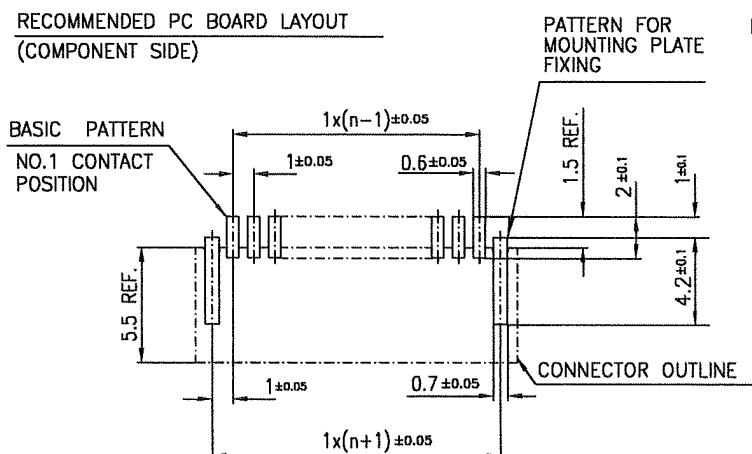
mat'l. code				surface 58 / tolerance ISO 1302 ✓ / ISO 406 / ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-1/2STZ__LF)			
A	J05-0653	H.T	10/12/05	angles	linear	scale X					
B	J06-0413	H.T	10/4/06					dwg no sheet 1 of 1 size JSA 96791 A4			
				dr 10/4/06		FCI		type Product Customer Drawing			
				engr 10/4/06							
				chr 10/12/06				Rev. B			
				appd 10/12/06							
sheet index	revision	B	1								



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

n : NO. OF CONTACTS

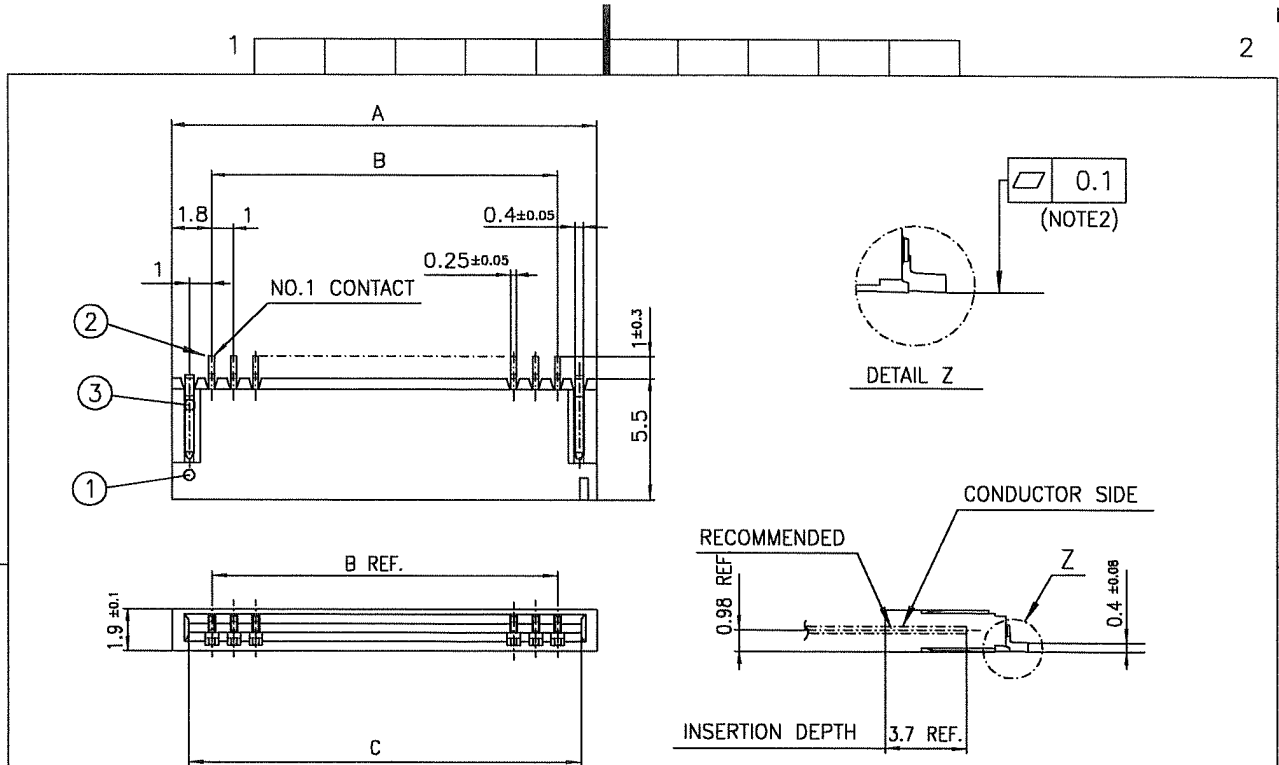
RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COTES 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

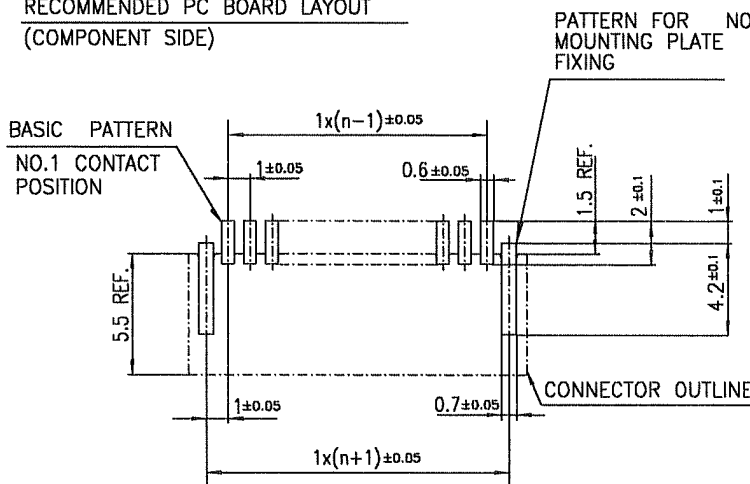
mat'l. code				surface 58	tolerance	projection	product family	CODE
				ISO 1302	ISO 406		58NF	JP
				tolerances unless otherwise specified			title	
ltr	ecn no	dr	date	angles	linear	mm	1mm SPACING SURFACE MOUNT FPC CONNECTOR (Cat.No. HFW__R-1STZ__LF)	
A	J05-0653	H.T	10/12/'05		±0.2			
B	J06-0413	H.T	10/4/'06					
				dr	10/4/'06	FCI	dwg no	
				enrg	10/4/'06		sheet 1 of 1	
				chr	10/12/'06		JSA 96792	
				appd	10/12/'06		size	
sheet	revision	B					type	
index	sheet	1					Product Customer Drawing	
							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	CONTACT POINT:THIN TIN
3	MOUNTING PLATE		2	TIN

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



- NOTES
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC 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 / tolerance ISO 1302 V / ISO 406 ISO 1101	projection	product family 58NF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified	mm	title 1mm SPACING SURFACE MOUNT FPC CONNECTOR (Cat.No. HFW__R-2STZ__LF)	
A	J05-0653	H.T	10/12/05	angles			
B	J06-0413	H.T	10/4/06	linear			
				dr	FCI	dwg no	sheet 1 of 1 size
				engr		JSA 96793	A4
				chr		type Product Customer Drawing	
				appd			
sheet index	revision	B					Rev. B

CAT. NO. & DIMENSIONS

(NOTE4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			E ± 5	F ± 0.3	G ± 0.1
	4	HFW4R-1/2STZE1LF	28.4	24	—
	5	HFW5R-1/2STZE1LF	28.4	24	—
	6	HFW6R-1/2STZE1LF	28.4	24	—
	7	HFW7R-1/2STZE1LF	28.4	24	—
	8	HFW8R-1/2STZE1LF	28.4	24	—
	9	HFW9R-1/2STZE1LF	28.4	24	—
	10	HFW10R-1/2STZE1LF	28.4	24	—
	11	HFW11R-1/2STZE1LF	28.4	24	—
	12	HFW12R-1/2STZE1LF	28.4	24	—
	13	HFW13R-1/2STZE1LF	28.4	24	—
	14	HFW14R-1/2STZE1LF	28.4	24	—
	15	HFW15R-1/2STZE1LF	36.4	32	28.4
	16	HFW16R-1/2STZE1LF	36.4	32	28.4
	17	HFW17R-1/2STZE1LF	36.4	32	28.4
	18	HFW18R-1/2STZE1LF	36.4	32	28.4
	19	HFW19R-1/2STZE1LF	48.4	44	40.4
	20	HFW20R-1/2STZE1LF	48.4	44	40.4
	21	HFW21R-1/2STZE1LF	48.4	44	40.4
	22	HFW22R-1/2STZE1LF	48.4	44	40.4
	23	HFW23R-1/2STZE1LF	48.4	44	40.4
	24	HFW24R-1/2STZE1LF	48.4	44	40.4
	25	HFW25R-1/2STZE1LF	48.4	44	40.4
	26	HFW26R-1/2STZE1LF	48.4	44	40.4
	27	HFW27R-1/2STZE1LF	48.4	44	40.4
*	28	HFW28R-1/2STZE1LF	48.4	44	40.4
*	29	HFW29R-1/2STZE1LF	48.4	44	40.4
	30	HFW30R-1/2STZE1LF	60.4	56	52.4

CAT. NO.

HFW (n) R - 1 ST Z 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)

THIN TIN

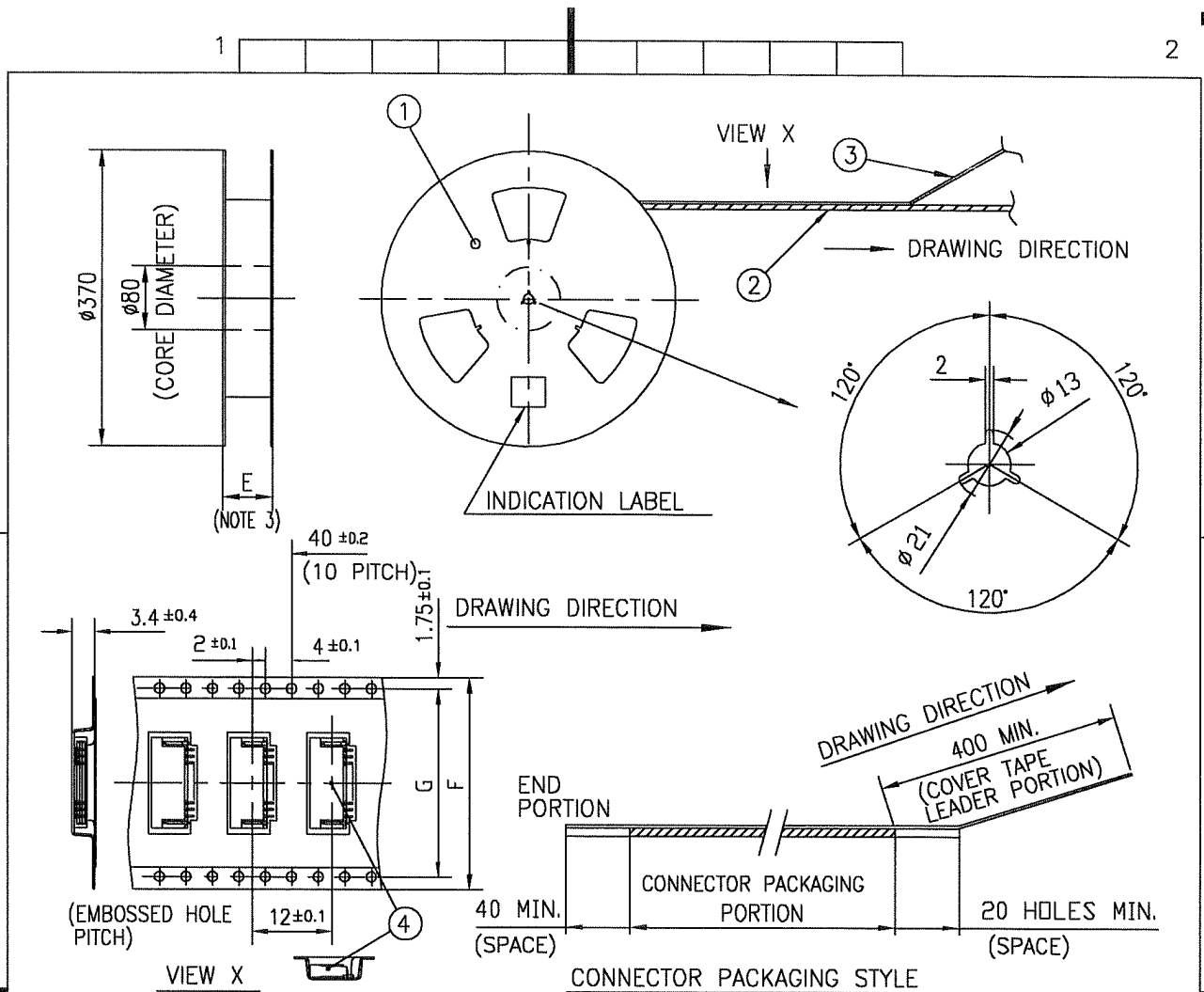
TAPE PACKAGING

LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COPE 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		title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN (Cat.No. HFW__R-1/2STZE1LF)			
A	J05-0653	H.T	10/12/'05	angles	linear						
B	J06-0413	H.T	10/4/'06			scale X		dwg no sheet 1 of 1 size JSA 96794 A4			
						FCI		type Product Customer Drawing			
sheet index	revision sheet	B	1							Rev. B	

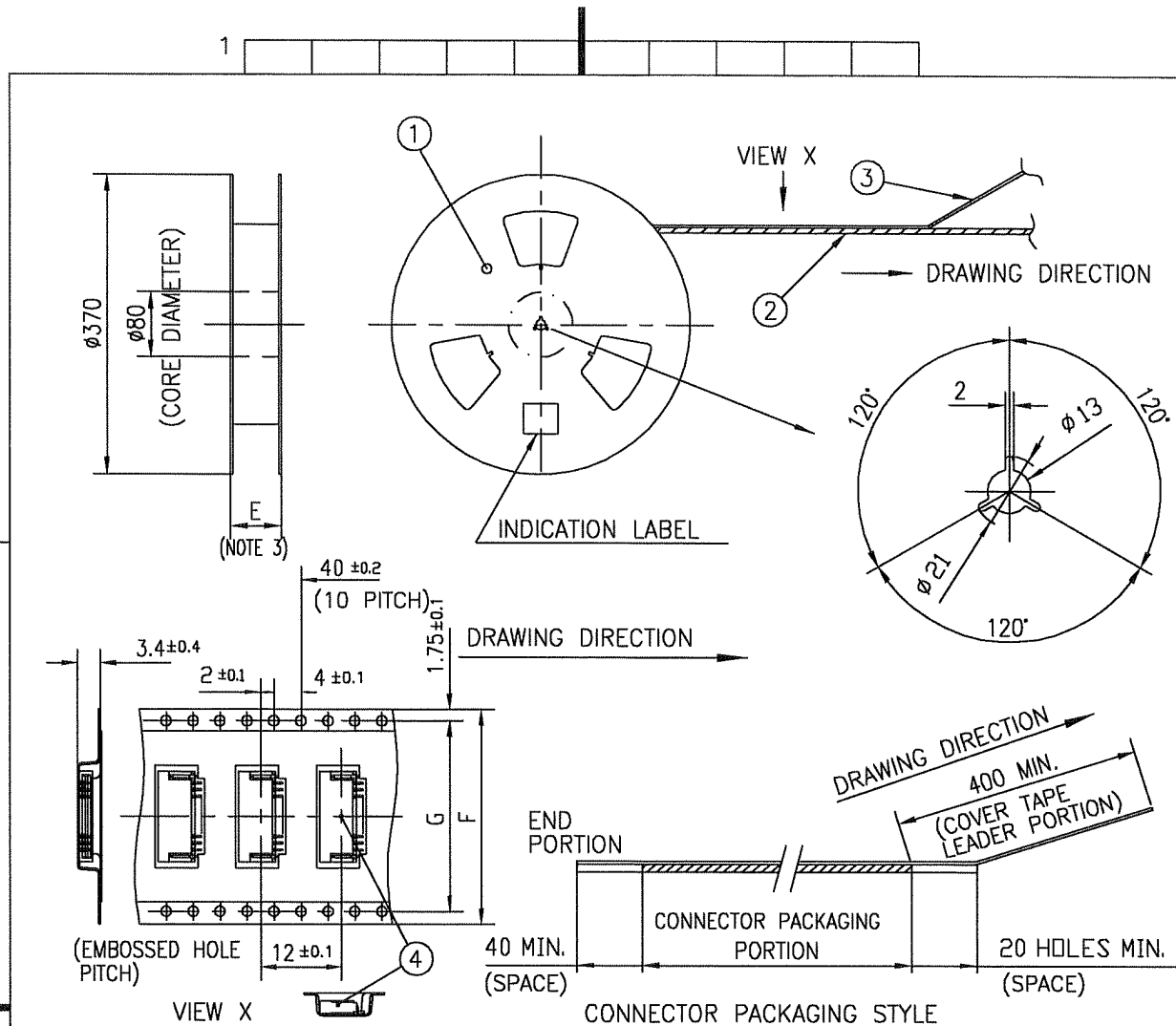


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSD) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__R-1STZ__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC AND CYPES 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.

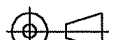
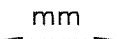
mat'l. code				surface 58 ISO 1302 ✓ tolerance ISO 406 ISO 1101	projection mm scale X	product family 58NF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		title 1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-1STZE1LF)	
A	J05-0653	H.T	10/12/'05	angles linear ±5'		dwg no JSA 96795	
B	J06-0413	H.T	10/4/'06	dr engr chr appd		sheet 1 of 1	size A4
sheet index				revision sheet 1		type Product Customer Drawing	
							Rev. B



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-2STZ__-LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

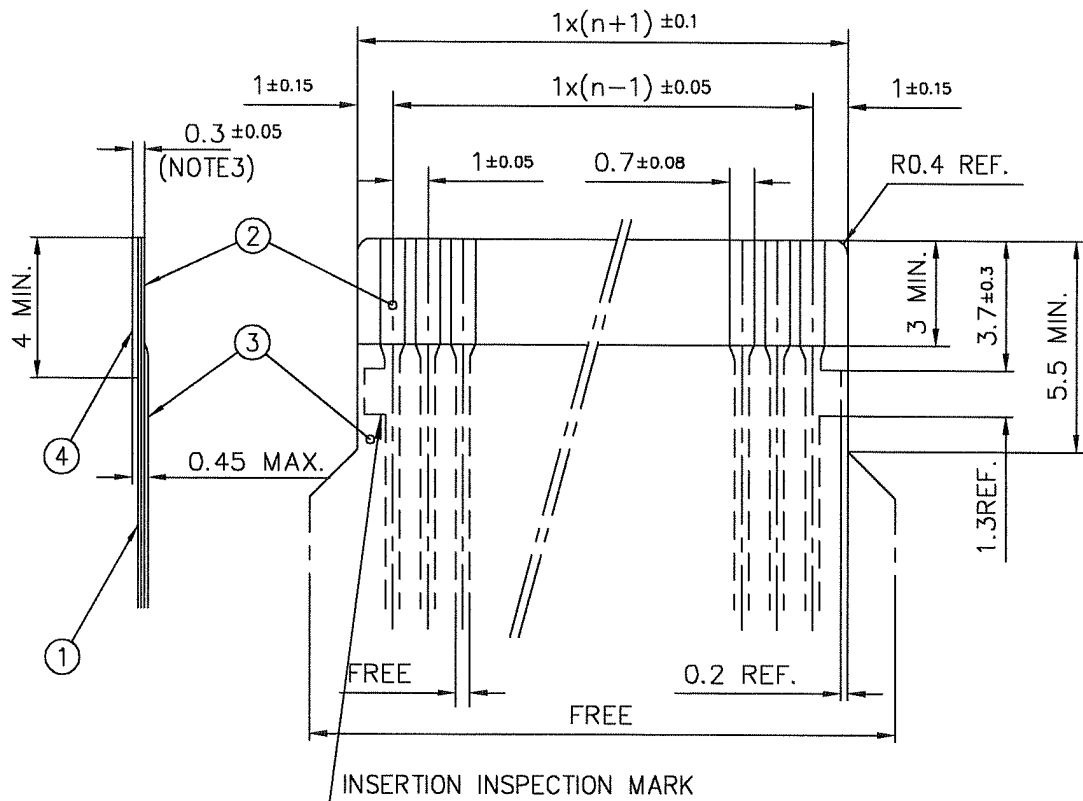
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC AND COPS 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 ☒ 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 SMT CONNECTOR (Cat.No. HFW__R-2STZE1LF)					
A	J05-0653	H.T	10/12/05	angles	linear	±5			scale $\propto$							
B	J06-0413	H.T	10/4/06			±5'										
				dr	<i>S. Anderson</i> 10/4/06					dwg no				sheet 1 of 1		size
				enr	<i>S. Anderson</i> 10/4/06					JSA 96796				A4		
				chr	<i>S. Anderson</i> 10/12/06					type Product Customer Drawing						
				appd	<i>S. Anderson</i> 10/12/06											
sheet index		revision		B												Rev. B
		sheet		1												

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 1μm MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUIVALENT	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUIVALENT	188

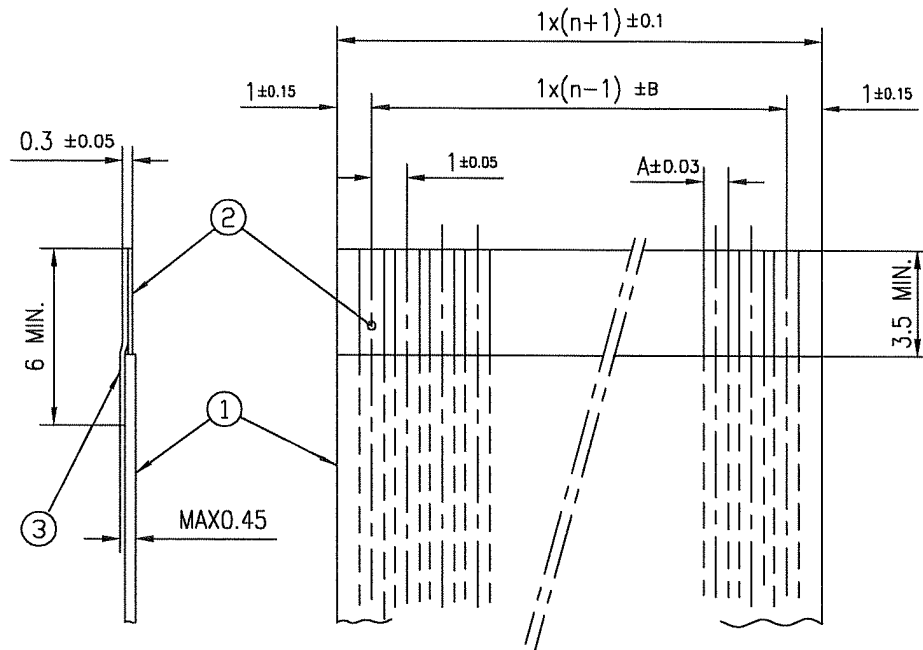
NOTES

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

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		product family 58NF		CODE JP	
ltr				ecn no		dr		date		title			
1				—		T.M		4/30/'02		RECOMMENDED CABLE			
A				J06-0413		H.T		10/4/'06		(Cat. No. HFW__R-1/2__)			
				angles		linear		mm					
								scale X					
				dr		10/12/06		FCI		dwg no		sheet 1 of 1 size	
				enr		10/12/06				JSA 93574		A4	
				chr		10/12/06							
				appd		10/12/06				type		Product Customer Drawing	
sheet index				revision		A						Rev. A	
sheet				1									