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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 CONNECCTOR (HFW__R-1STZ_LF)
JSA96793	1mm SPACING SURFACE MOUNT FPC CONNECCTOR (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 X		dwg no sheet 1 of 1 size JSA 96790 A4			
												type Product Customer Drawing			
sheet index		revision sheet		B 1								Rev. B			

form: A4

1

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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 _____

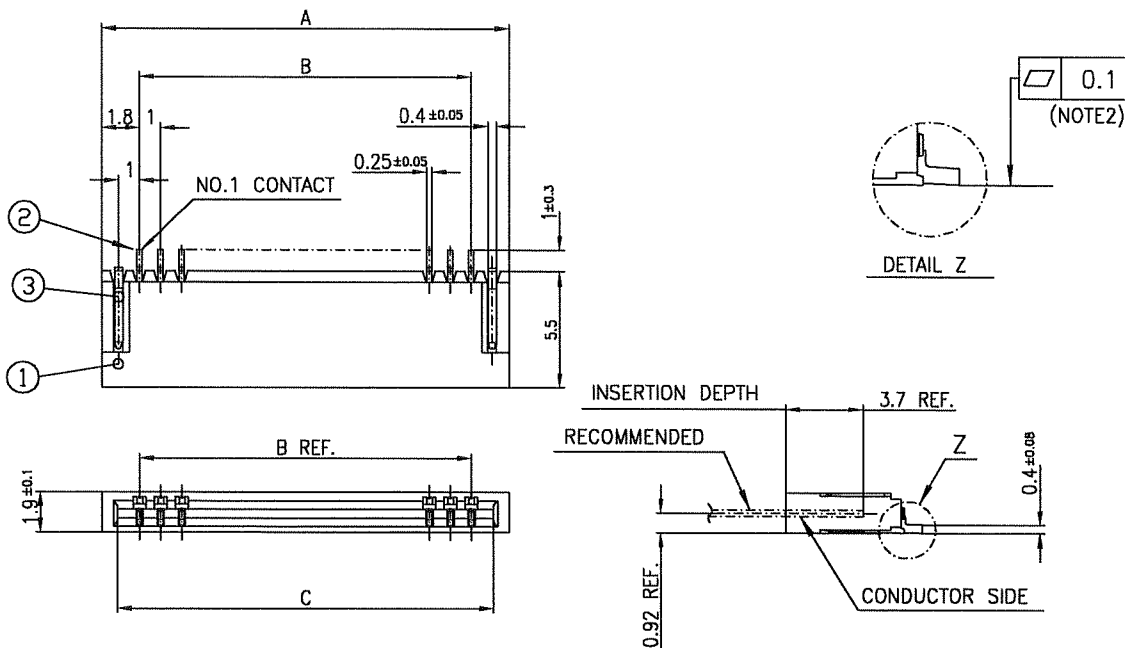
PACKAGE STYLE _____

LEAD FREE _____

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND CYPES 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			
A	J05-0653	H.T	10/12/'05	angles linear		mm		CAT NO.TABLE FOR 1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-1/2STZ__LF)			
B	J06-0413	H.T	10/4/'06			scale X		dwg no sheet 1 of 1 size			
				dr 10/4/06		FCJ		JSA 96791 A4			
				engr 10/4/06				type Product Customer Drawing			
				chr 10/12/06							
				appd 10/12/06							
sheet index	revision	B								Rev. B	

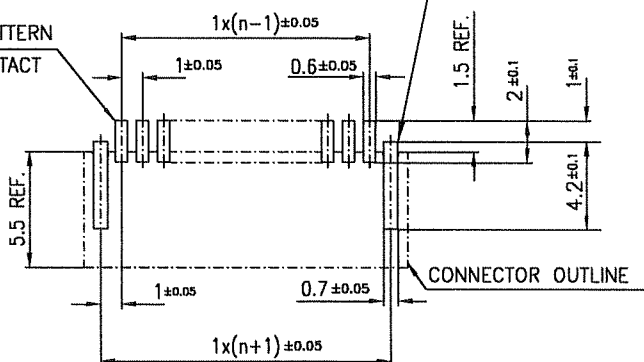


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	CONTACT POINT:THIN TIN
3	MOUNTING PLATE		2	TIN

n : NO. OF CONTACTS

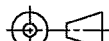
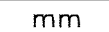
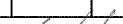
RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN NO.1 CONTACT POSITION

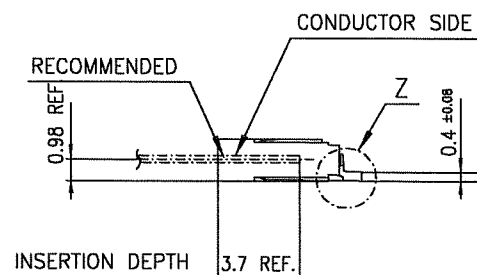
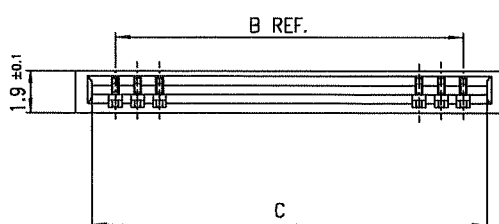
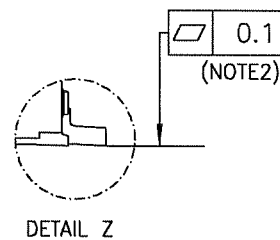
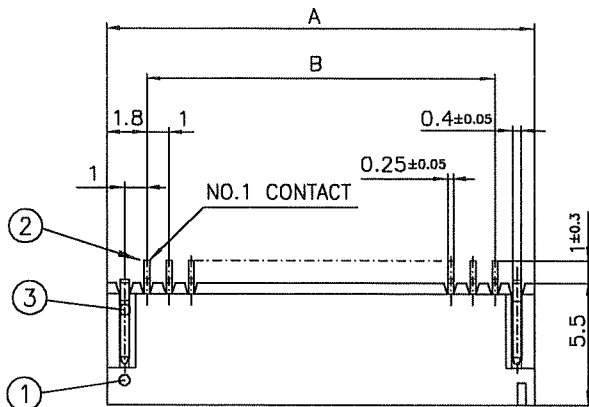


NOTES

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 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 CONNECTOR (Cat.No. HFW__R-1STZ__LF)						
A	J05-0653	H.T	10/12/'05	angles		linear ±0.2										
B	J06-0413	H.T	10/4/'06					scale X		dwg no sheet 1 of 1 JSA 96792 type Product Customer Drawing						
				dr			10/4/06									
				enr			10/4/06									
				chr			10/12/06									
				appd			10/12/06									
sheet index	revision	B													Rev. B	
	sheet	1														

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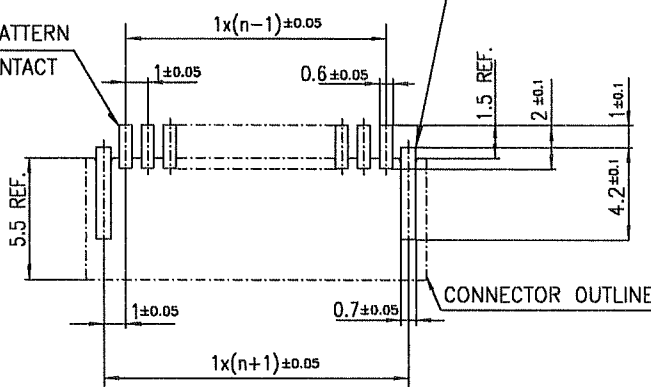
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	CONTACT POINT:THIN TIN
3	MOUNTING PLATE		2	TIN

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 COPS 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 ✓ ISO 406 ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J05-0653	H.T	10/12/'05	±0.2		mm		1mm SPACING SURFACE MOUNT FPC CONNECTOR			
B	J06-0413	H.T	10/4/'06	angles	linear	scale X		(Cat.No. HFWR__R-2STZ__LF)			
				dr	10/4/06			dwg no		sheet 1 of 1 size	
				enr	10/12/06			JSA 96793		A4	
				chr	10/12/06						
				appd	10/12/06						
sheet index		revision sheet B 1						type Product Customer Drawing		Rev. B	

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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-1/2STZE1LF	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.

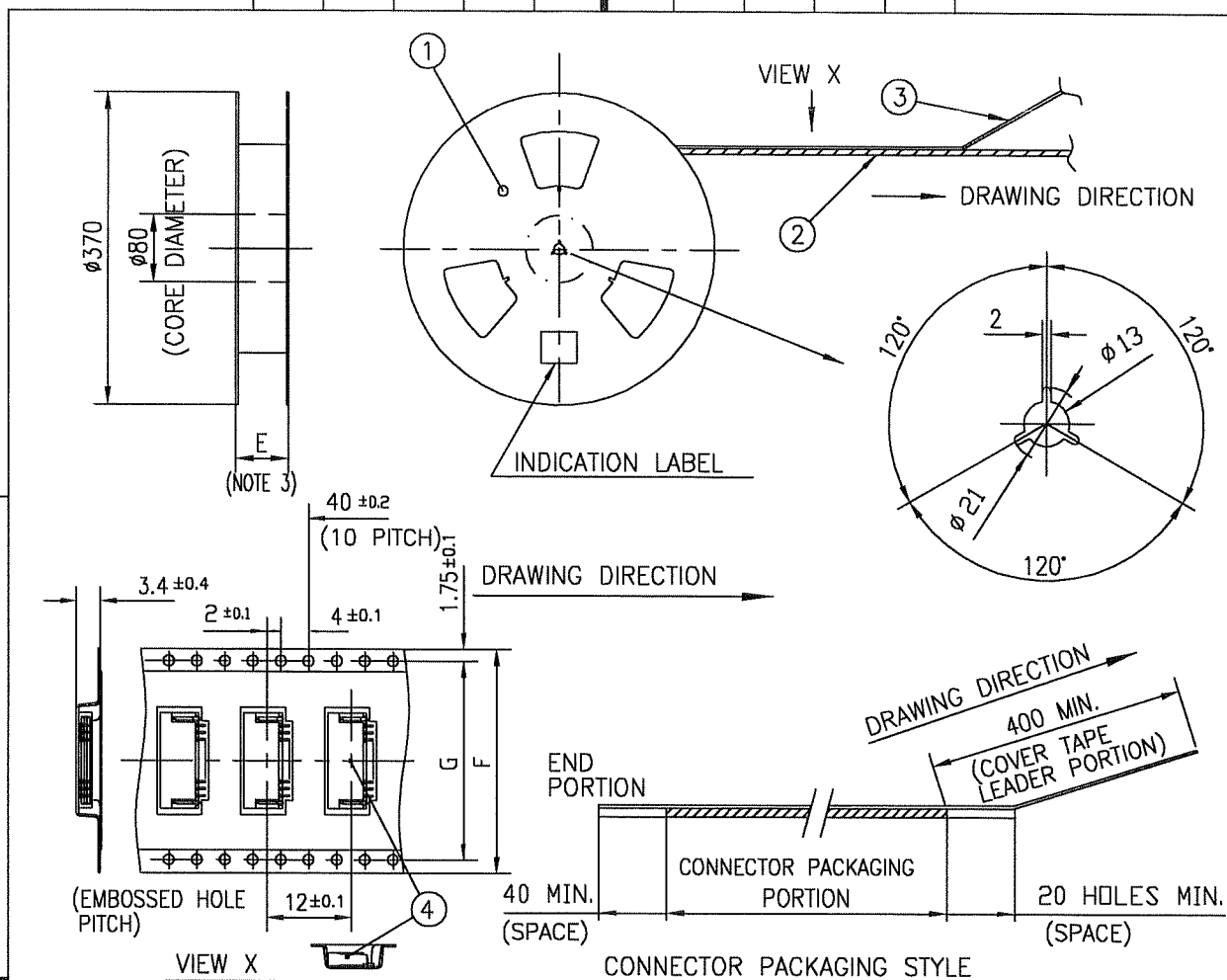
HFW (n) R - 1 ST Z E1 LF
 SERIES
 NO. OF CONTACTS
 RIGHT ANGLE TYPE
 FOR FPC/FFC, CONTACT DIRECTION
 1. LOWER CONTACT TYPE
 2. UPPER CONTACT TYPE
 FOR AUTOMATIC MOUNTING (SMT)
 THIN TIN
 TAPE PACKAGING
 LEAD FREE

NOTES

- 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 / 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	J05-0653	H.T	10/12/'05	angles	linear	mm		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN (Cat.No. HFW__R-1/2STZE1LF)			
B	J06-0413	H.T	10/4/'06			scale X		dwg no JSA 96794 sheet 1 of 1 size A4			
				dr	10/4/06	FCJ		type Product Customer Drawing			
				enr	10/4/06						
				chr	10/12/06						
				appd	10/12/06						
sheet index	revision	B	1								Rev. B

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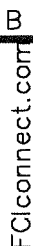
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSED) TAPE	_____	PET	—	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	—	COLOR:TRANSPARENCY
4	CONNECTOR	HFWR__R-1STZ__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC 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	projection	product family	CODE
				ISO 1302	ISO 406	ISO 1101	58NF	JP
ltr	ecn no	dr	date	tolerances, unless otherwise specified		mm	title	
A	J05-0653	H.T	10/12/05	angles	linear			
B	J06-0413	H.T	10/4/06	±5'		scale	1mm SPACING SMT CONNECTOR	
				dr			(Cat.No. HFWR__R-1STZE1LF)	
				enr			dwg no	
				chr			sheet 1 of 1	
				appd			JSA 96795	
sheet index				revision		type		Rev.
sheet				1		Product Customer Drawing		B

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form: A4

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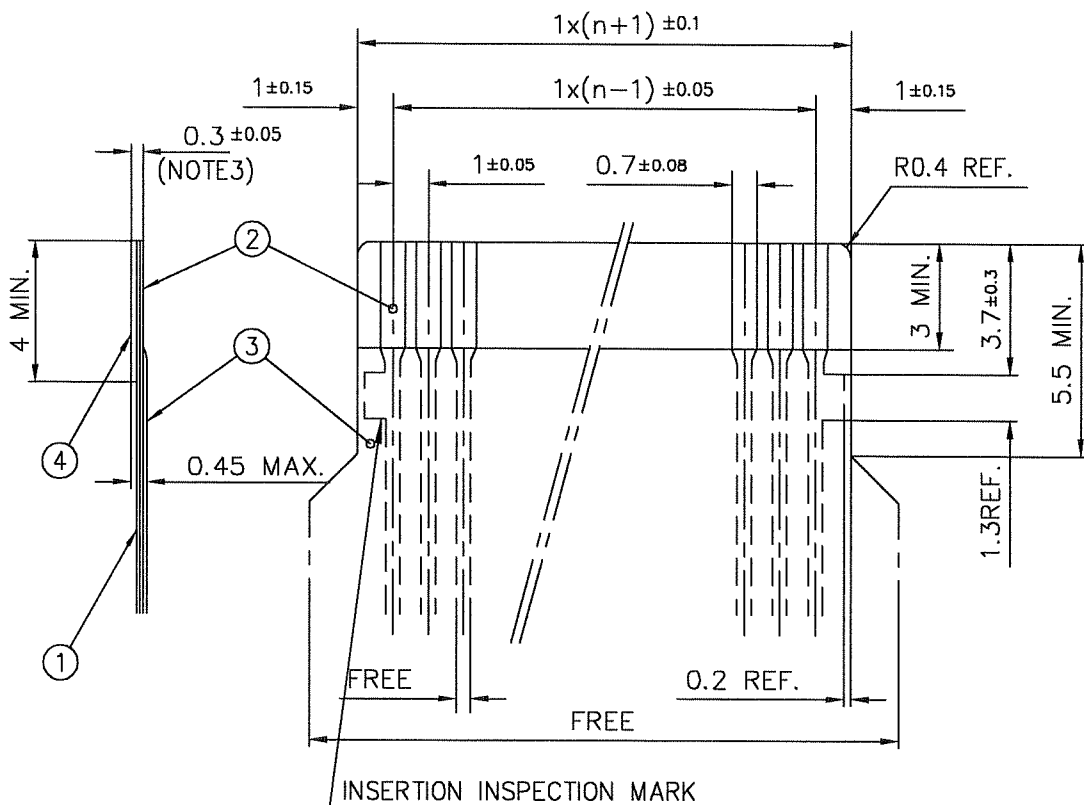
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSSED) TAPE AND REEL.
3. E DIMENSION IS PORTION OF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

D

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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 : 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		mm		title			
A	J06-0413	H.T	10/4/06			mm		RECOMMENDED CABLE			
				angles linear		scale X		(Cat. No. HFW__R-1/2__)			
				dr		FCJ		dwg no sheet 1 of 1 size			
				enr				JSA 93573 A4			
				chr				type Product Customer Drawing			
				appd							
sheet index	revision sheet	A	1					Rev. A			

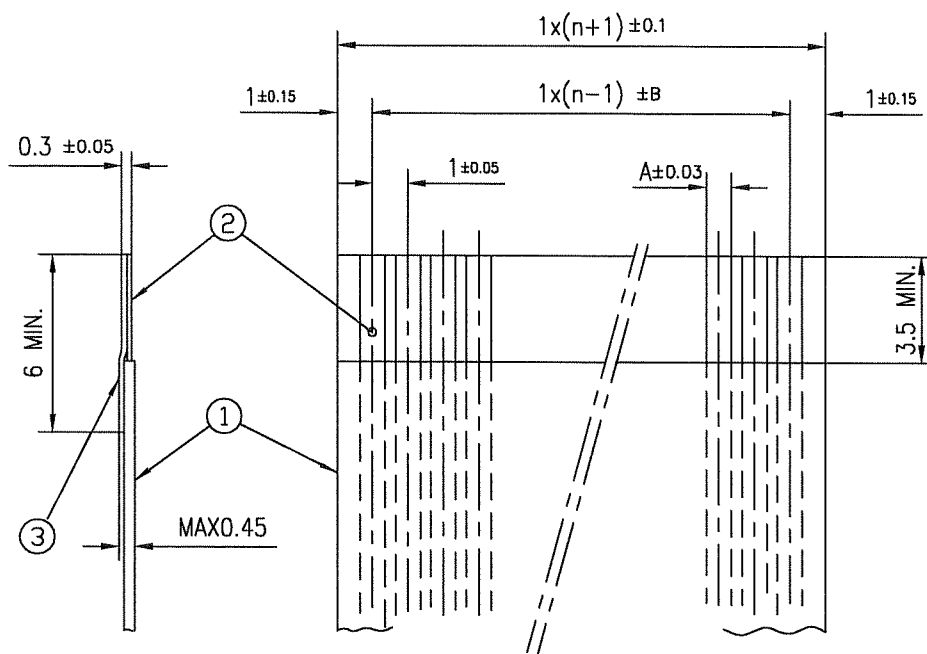
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RECOMMENDED CABLE (FFC)

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		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title			
1	—	T.M	4/30/'02	angles linear				mm		RECOMMENDED CABLE			
A	J06-0413	H.T	10/4/'06					scale X		(Cat. No. HFW__R-1/2__)			
				dr		10/15/06				dwg no		sheet 1 of 1	
				enr		10/14/06				JSA 93574		size A4	
				chr		10/12/06							
				appd		10/12/06							
sheet index		revision sheet 1										Rev. A	

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