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List of "HFW__R-1/2STBE1LF" customer document

DOCUMENT NO.	LIST
SC-HFWR03	SPEC.
JSA96783	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__R-1/2STB__LF)
JSA96784	1mm SPACING SURFACE MOUNT FPC CONNECCTOR (HFW__R-1STB_LF)
JSA96785	1mm SPACING SURFACE MOUNT FPC CONNECCTOR (HFW__R-2STB_LF)
JSA96786	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.(HFW__R-1/2STBE1LF)
JSA96787	1mm SPACING SMT CONNECTOR (HFW__R-1STBE1LF)
JSA96788	1mm SPACING SMT CONNECTOR (HFW__R-2STBE1LF)
JSA96789	RECOMMENDED CABLE (FPC) (HFW__R-1/2STB)
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				title			
A	J05-0653	H.T	10/12/05	angles		mm		1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST			
B	J06-0413	H.T	10/4/06	linear		scale		(Cat. No. : HFW__R-1/2STBE1LF)			
C	J07-0161	H.T	3/15/07	dr		3/15/07		dwg no		sheet 1 of 1 size	
				enrg		3/15/07		JSA 96782		A4	
				chr		3/19/07		type		Product Customer Drawing	
				appd		3/19/07					
sheet index	revision	C									Rev
	sheet	1									C

CAT. NO. & DIMENSIONS

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

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

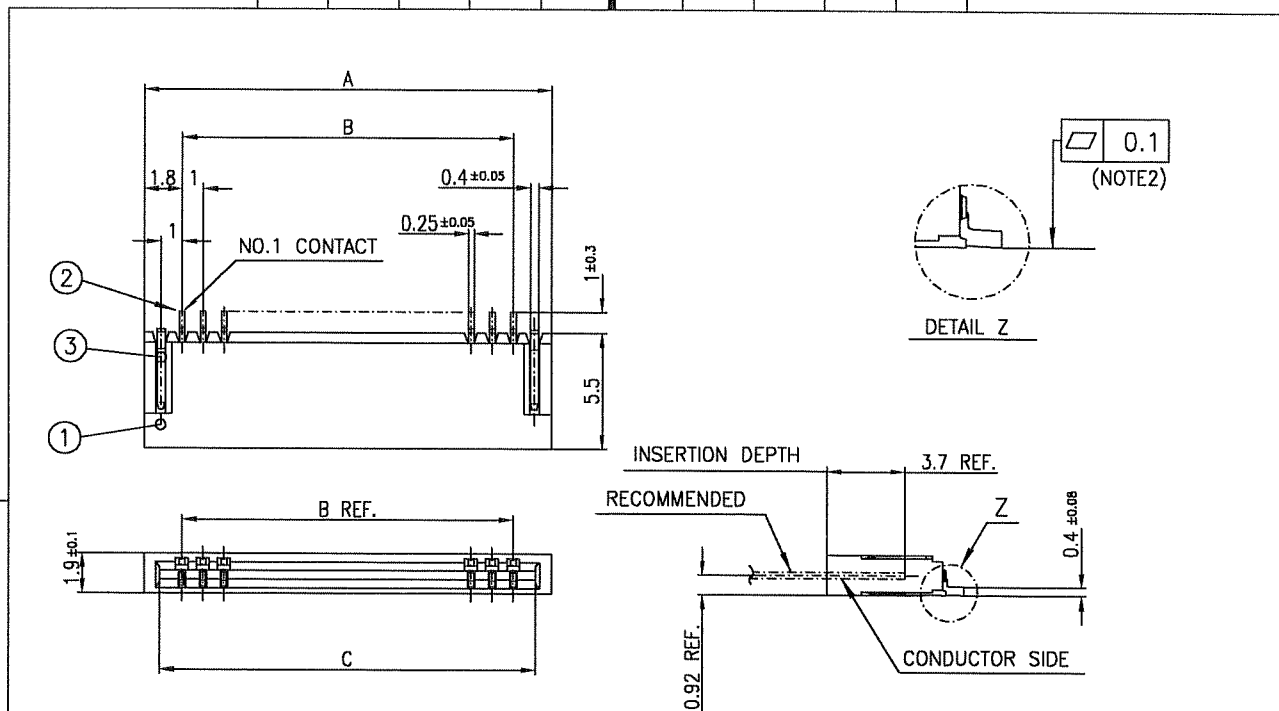
LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COPS 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-1/2STB__LF)			
B	J06-0413	H.T	10/4/'06			scale X		dwg no sheet 1 of 1 size			
				dr	10/4/06	FCJ		JSA 96783 A4			
				engr	10/4/06			type Product Customer Drawing			
				chr	10/12/06						
				appd	10/12/06						
sheet index	revision sheet	B	1								

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form: A4



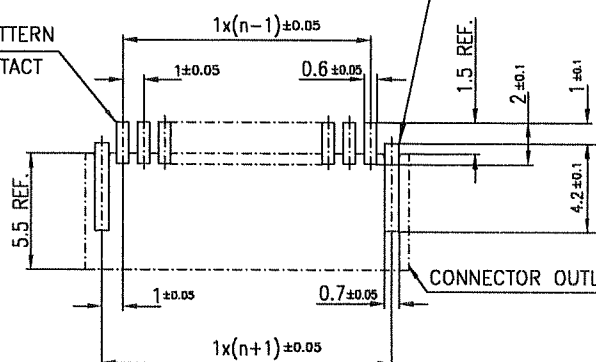
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	CONTACT POINT:GOLD TERMINAL POINT:TIN
3	MOUNTING PLATE		2	TIN

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN

NO.1 CONTACT
POSITION

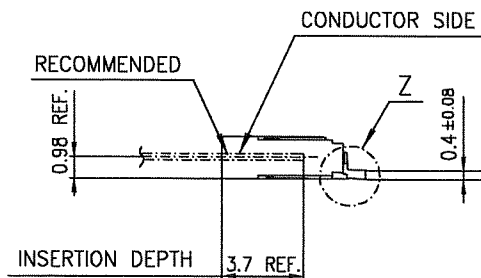
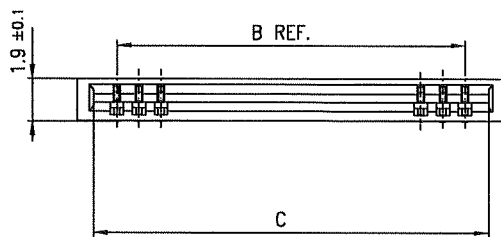
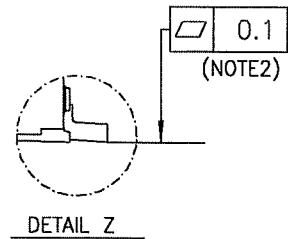
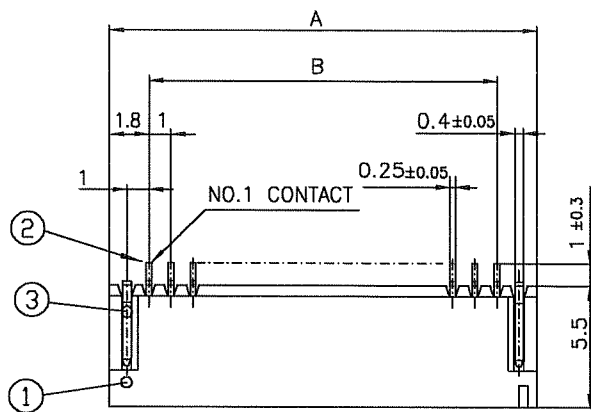


NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND 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 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				mm		title 1mm SPACING SURFACE MOUNT FPC CONNECTOR (Cat.No. HFW__R-1STB__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 size JSA 96784 A4			
				dr	10/4/'06								
				enr	10/4/'06					type Product Customer Drawing			
				chr	10/12/'06								
				appd	10/12/'06								
sheet index	revision	B	1							Rev. B			

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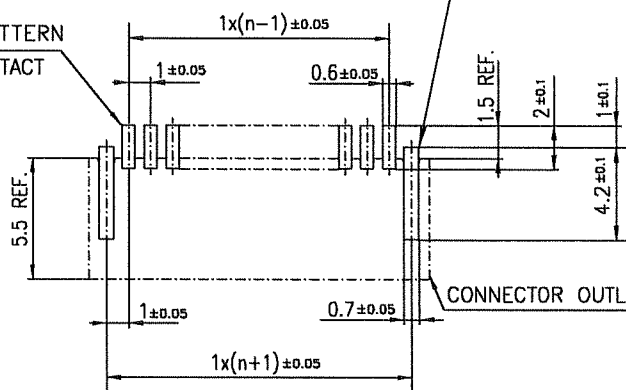
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	CONTACT POINT:GOLD TERMINAL POINT:TIN
3	MOUNTING PLATE		2	TIN

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 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. HFW__R-2STB__LF)			
				dr	10/4/06			dwg no		sheet 1 of 1	
				engr	10/4/06			JSA 96785		size A4	
				chr	10/12/06						
				appd	10/12/06						
sheet index		revision B								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-1/2STBE1LF	28.4	24	—
	5	HFW5R-1/2STBE1LF	28.4	24	—
	6	HFW6R-1/2STBE1LF	28.4	24	—
	7	HFW7R-1/2STBE1LF	28.4	24	—
	8	HFW8R-1/2STBE1LF	28.4	24	—
	9	HFW9R-1/2STBE1LF	28.4	24	—
	10	HFW10R-1/2STBE1LF	28.4	24	—
	11	HFW11R-1/2STBE1LF	28.4	24	—
	12	HFW12R-1/2STBE1LF	28.4	24	—
	13	HFW13R-1/2STBE1LF	28.4	24	—
	14	HFW14R-1/2STBE1LF	28.4	24	—
	15	HFW15R-1/2STBE1LF	36.4	32	28.4
	16	HFW16R-1/2STBE1LF	36.4	32	28.4
	17	HFW17R-1/2STBE1LF	36.4	32	28.4
	18	HFW18R-1/2STBE1LF	36.4	32	28.4
	19	HFW19R-1/2STBE1LF	48.4	44	40.4
	20	HFW20R-1/2STBE1LF	48.4	44	40.4
	21	HFW21R-1/2STBE1LF	48.4	44	40.4
	22	HFW22R-1/2STBE1LF	48.4	44	40.4
	23	HFW23R-1/2STBE1LF	48.4	44	40.4
	24	HFW24R-1/2STBE1LF	48.4	44	40.4
	25	HFW25R-1/2STBE1LF	48.4	44	40.4
	26	HFW26R-1/2STBE1LF	48.4	44	40.4
	27	HFW27R-1/2STBE1LF	48.4	44	40.4
*	28	HFW28R-1/2STBE1LF	48.4	44	40.4
*	29	HFW29R-1/2STBE1LF	48.4	44	40.4
	30	HFW30R-1/2STBE1LF	60.4	56	52.4

CAT. NO.

HFW (n) R - 1 ST B 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

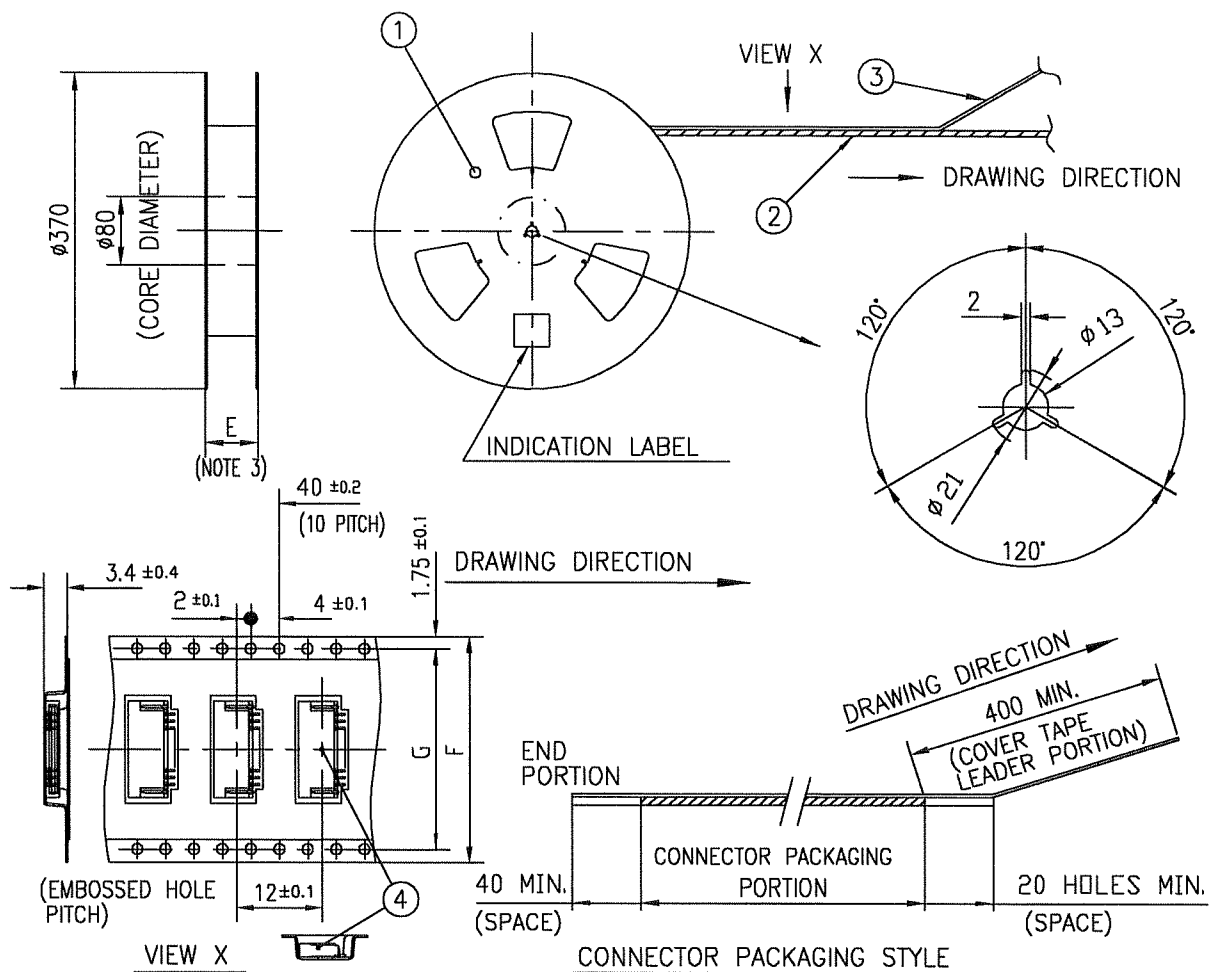
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

mat'l. code				surface 58/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	J05-0653	H.T	10/12/'05	angles linear				mm		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN (Cat.No. HFW__R-1/2STBE1LF)			
B	J06-0413	H.T	10/4/'06					scale X					
				dr		10/4/06		FCJ		dwg no		sheet 1 of 1 size	
				enrg		10/4/06				JSA 96786		A4	
				chr		10/12/06				type		Product Customer Drawing	
				appd		10/12/06							
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2



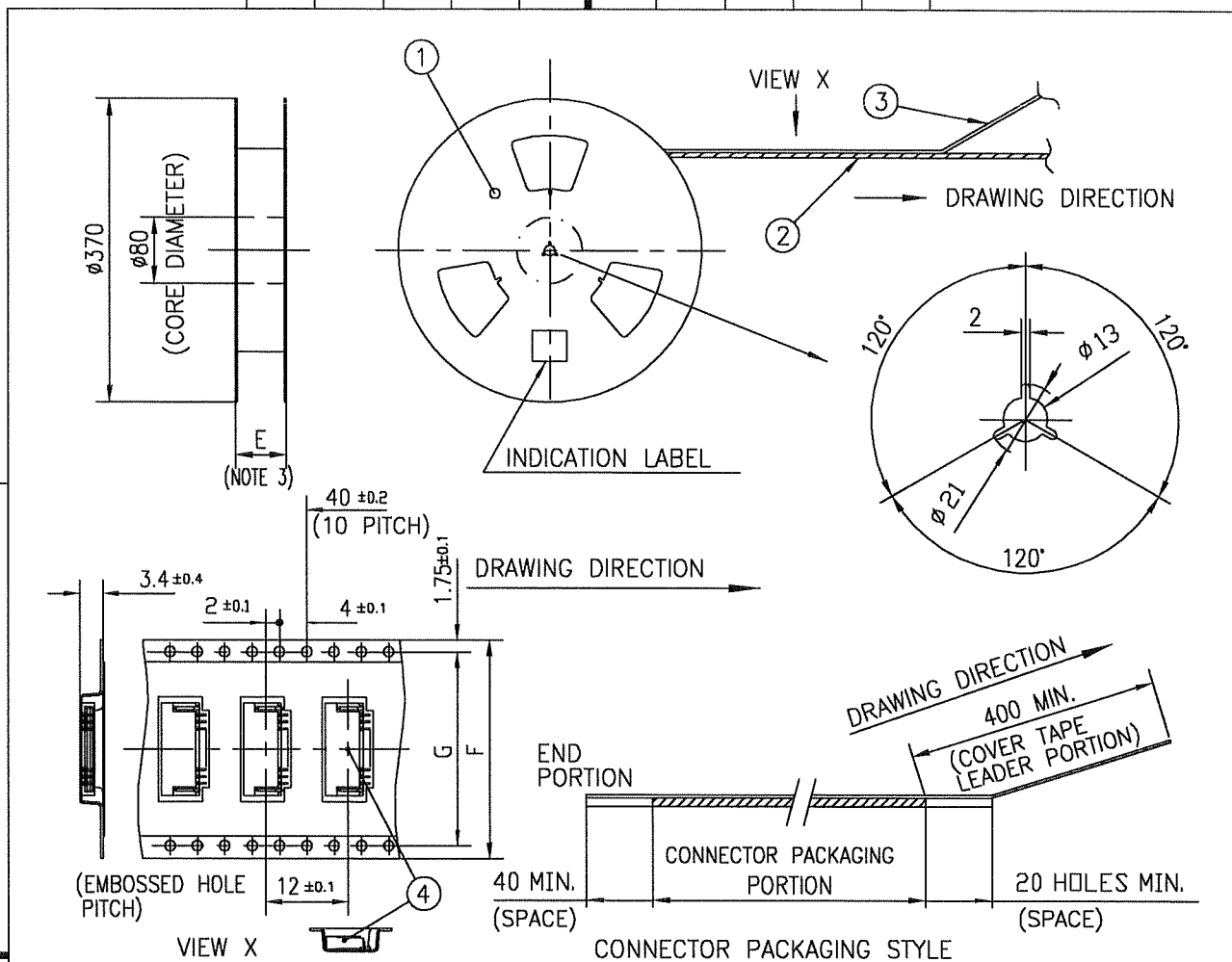
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSED) TAPE	—	PET	—	COLOR:TRANSPARENCY
3	COVER	—	POLYESTER	—	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__R-1STB__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

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 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	±5			1mm SPACING SMT CONNECTOR		
B	J06-0413	H.T	10/4/'05	±5'				scale	(Cat.No. HFW__R-1STBE1LF)		
				dr					dwg no		
				enr					sheet 1 of 1		
				chr					JSA 96787		
				appd					type Product Customer Drawing		
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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSSED) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__R-2STB__-LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

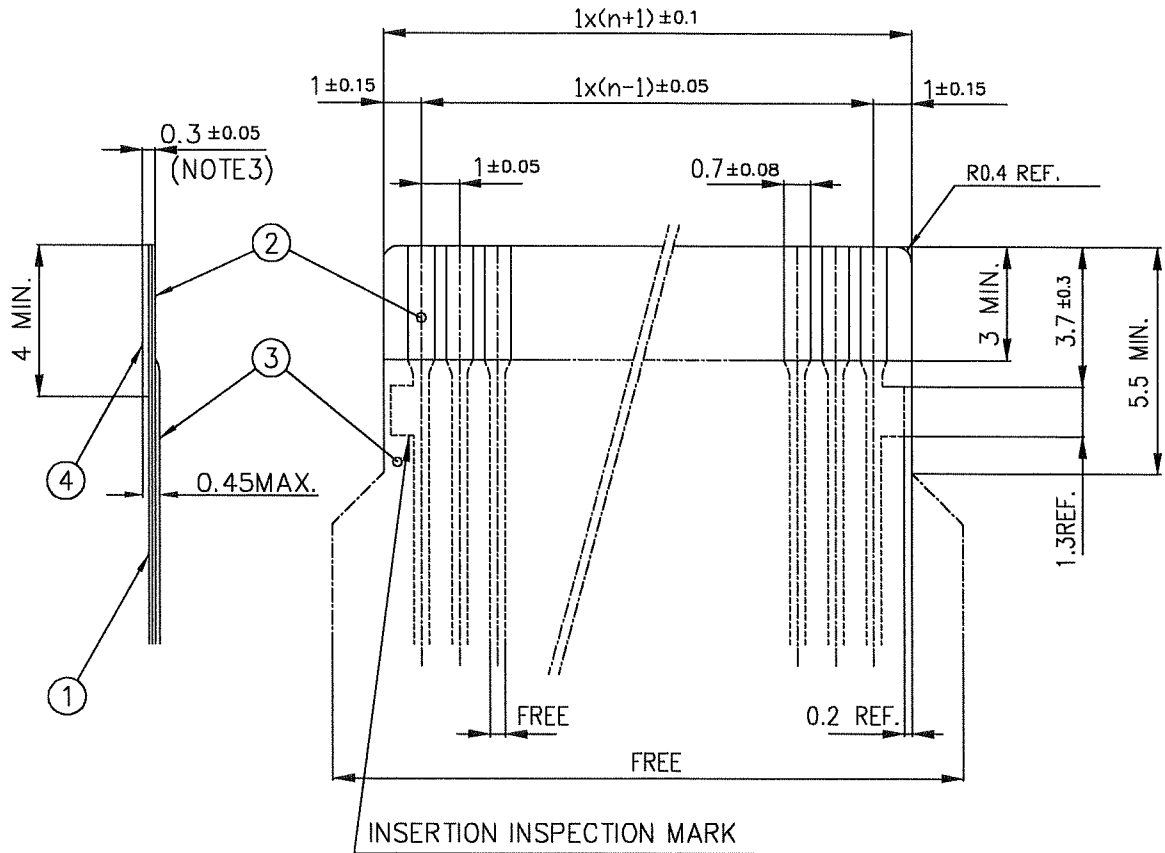
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSSED) TAPE AND REEL.
3. E DIMENSION IS PORTION OF 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-2STBE1LF)	
A	J05-0653	H.T	10/12/05	angles	linear			
B	J06-0413	H.T	10/4/06	±5'		mm	dwg no JSA 96788	
				dr		scale		
				enr			sheet 1 of 1	size
				chr			A4	
				appd			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.	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	J05-0653	H.T	10/12/'05	angles linear				mm		RECOMMENDED CABLE			
B	J06-0078	H.T	3/1/'06					mm		HFW__R-1/2STB__			
C	J06-0413	H.T	10/4/'06					scale X					
				dr 10/4/06						dwg no sheet 1 of 1 size			
				enr 10/4/06						JSA 96789 A4			
				chr 10/12/06									
				appd 10/12/06									
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1

2