

CAT. NO. & DIMENSIONS

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

CAT. NO. HFW (n) R - 5 ST __ LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR CIC, CONTACT DIRECTION

5 : LOWER CONTACT TYPE
6 : UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

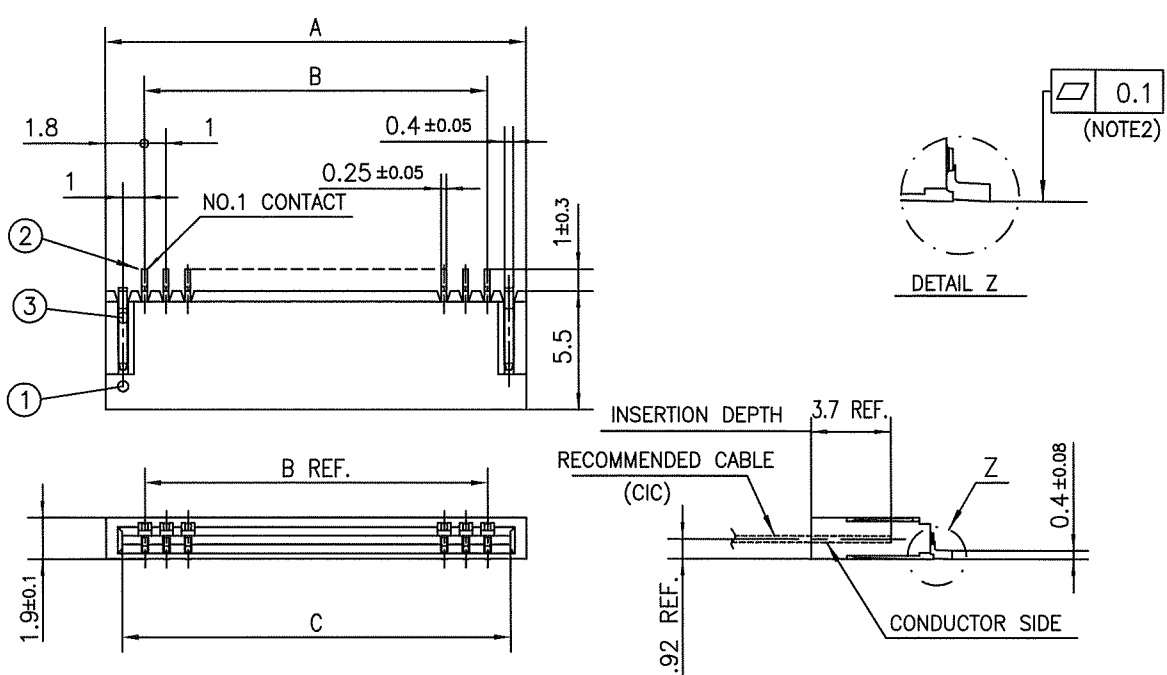
LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC 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 / 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	J07-0397	H.T.	7/27/07	angles linear		mm		X		CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. HFW__R-5/6ST__LF)			
				dr		7/27/07		FCI		dwg no		sheet 1 of 1	size
				enr		7/27/07				JSA 97339		A4	
				chr		7/27/07				type		Product Customer Drawing	
				appd		7/27/07							
sheet index		revision		A								Rev. A	
sheet		1											

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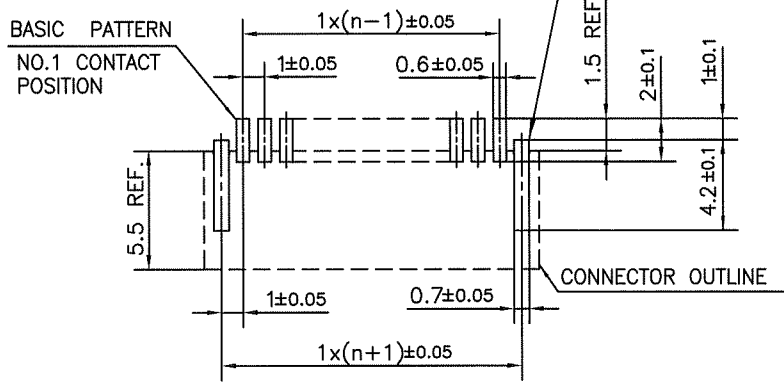
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN
3	MOUNTING PLATE		2	(LEAD FREE)

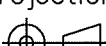
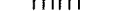
n : NO. OF CONTACTS

NOTES

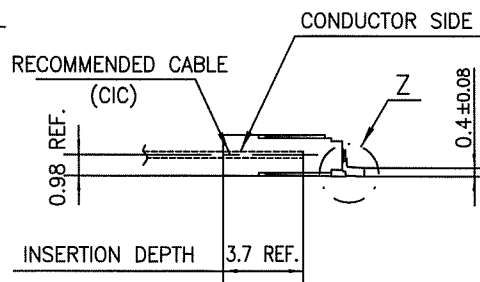
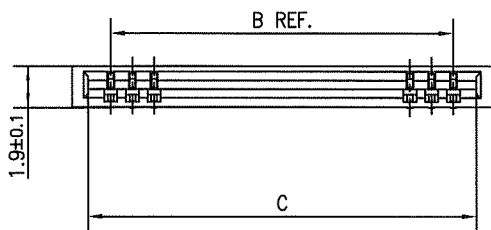
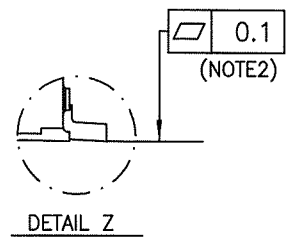
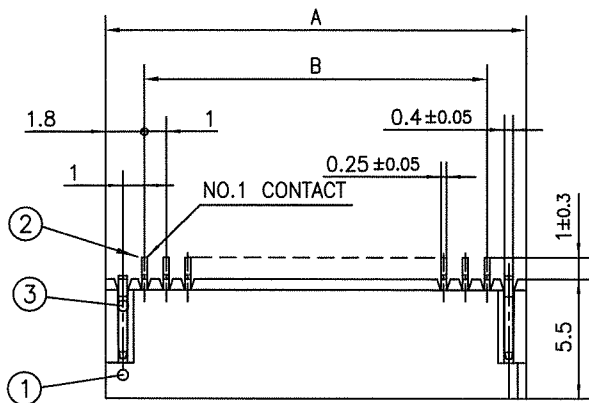
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER 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.

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



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 CIC CONNECTOR (Cat.No. HFW__R-5ST__LF)		dwg no sheet 1 of 1 JSA 97340 size A4					
A		J07-0397		H.T		7/27/07		angles linear ±0.2		mm 						scale X	
				dr		H. Higashimura		7/27/07				type Product Customer Drawing					
				enrg		H. Higashimura		7/27/07									
				chr		R. Shoji		7/27/07									
				appd		S. Nishimura		7/27/07									
sheet index		revision sheet		A 1								Rev. A					

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form: A4

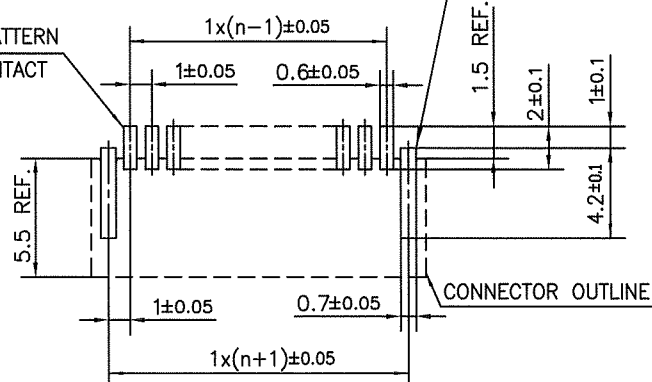


PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PA6T RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN
3	MOUNTING PLATE		2	(LEAD FREE)

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 CIC 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 ✓ / ISO 406 / ISO 1101		projection		product family 58NF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	J07-0397	H.T	7/27/07	angles	linear	mm		1mm SPACING SURFACE MOUNT CIC CONNECTOR (Cat. No. HFW__R-6ST__LF)			
				dr	7/27/07	scale		dwg no		sheet 1 of 1	size
				enr	7/27/07	FCI		JSA 97341		A4	
				chr	7/27/07			type		Product Customer Drawing	
				appd	7/27/07						
sheet index		revision A								Rev. A	
sheet 1											

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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-5/6STE1LF	28.4	24	—
	5	HFW5R-5/6STE1LF	28.4	24	—
	6	HFW6R-5/6STE1LF	28.4	24	—
	7	HFW7R-5/6STE1LF	28.4	24	—
	8	HFW8R-5/6STE1LF	28.4	24	—
	9	HFW9R-5/6STE1LF	28.4	24	—
	10	HFW10R-5/6STE1LF	28.4	24	—
	11	HFW11R-5/6STE1LF	28.4	24	—
	12	HFW12R-5/6STE1LF	28.4	24	—
	13	HFW13R-5/6STE1LF	28.4	24	—
	14	HFW14R-5/6STE1LF	28.4	24	—
	15	HFW15R-5/6STE1LF	36.4	32	28.4
	16	HFW16R-5/6STE1LF	36.4	32	28.4
	17	HFW17R-5/6STE1LF	36.4	32	28.4
	18	HFW18R-5/6STE1LF	36.4	32	28.4
	19	HFW19R-5/6STE1LF	48.4	44	40.4
	20	HFW20R-5/6STE1LF	48.4	44	40.4
	21	HFW21R-5/6STE1LF	48.4	44	40.4
	22	HFW22R-5/6STE1LF	48.4	44	40.4
	23	HFW23R-5/6STE1LF	48.4	44	40.4
	24	HFW24R-5/6STE1LF	48.4	44	40.4
	25	HFW25R-5/6STE1LF	48.4	44	40.4
	26	HFW26R-5/6STE1LF	48.4	44	40.4
	27	HFW27R-5/6STE1LF	48.4	44	40.4
*	28	HFW28R-5/6STE1LF	48.4	44	40.4
*	29	HFW29R-5/6STE1LF	48.4	44	40.4
	30	HFW30R-5/6STE1LF	60.4	56	52.4

CAT. NO.

HFW (n) R - 5 ST E1 LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR CIC, CONTACT DIRECTION

5 : LOWER CONTACT TYPE

6 : UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

NOTES

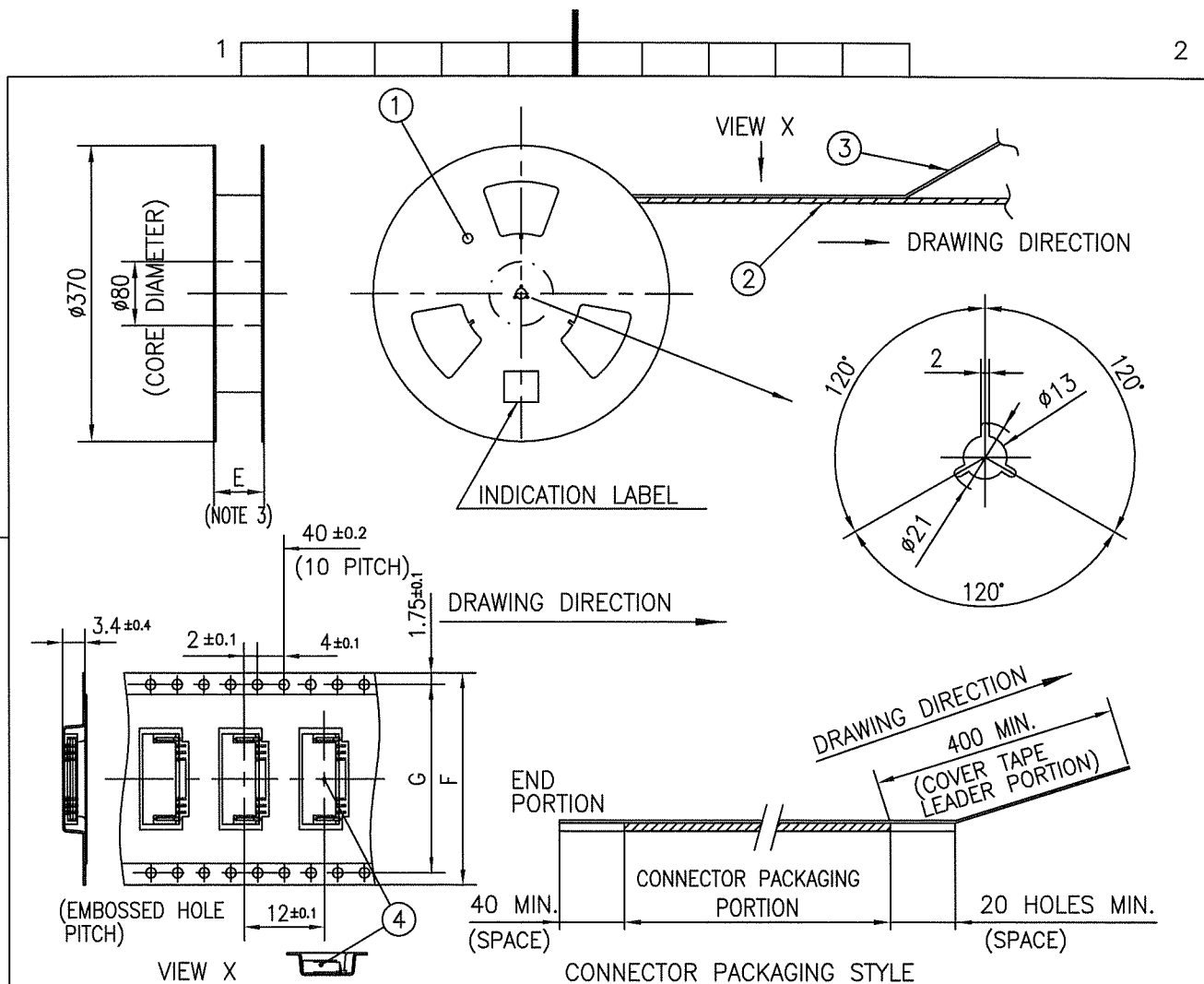
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

mat'l. code				surface ⁵⁸ / tolerance		projection		product family		CODE	
				ISO 1302 ✓ / ISO 406 / ISO 1101				58NF		JP	
ltr		ecn no		date		tolerances, unless otherwise specified		title			
A		J07-0397		7/27/07		angles linear		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (Cat.No. HFW__R-5/6STE1LF)			
								mm			
								scale X			
				dr		7/27/07		dwg no		sheet 1 of 1 size	
				enr		7/27/07		JSA 97342		A4	
				chr		7/29/07					
				appd		7/29/07					
sheet index		revision		A				type		Product Customer Drawing	
1		1								Rev A	

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1

2



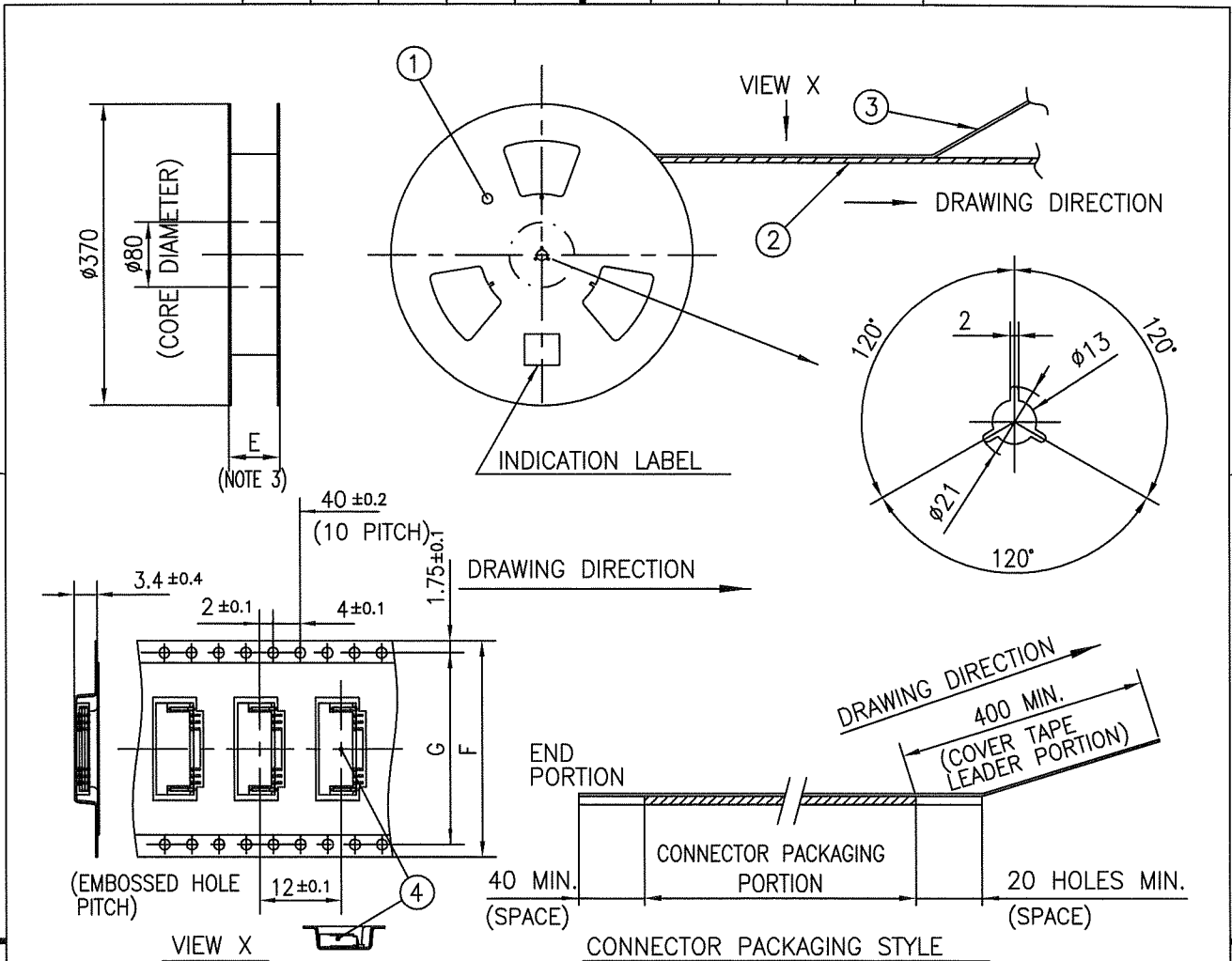
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSSED) TAPE	—	PET	—	COLOR:TRANSPARENCY
3	COVER	—	POLYESTER	—	COLOR:TRANSPARENCY
4	CONNECTOR	HFWR__R-5ST__LF	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE CIC 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 (EMBOSSSED) 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	J07-0397	H.T.	7/27/07	angles	linear	±5		1mm SPACING SMT CONNECTOR (Cat.No. HFWR__R-5STE1LF)			
				±5'		scale X		dwg no sheet 1 of 1 size			
				dr	engr	chr	appd	JSA 97343		A4	
								type Product Customer Drawing			
sheet index	revision	A	1	Rev. A							

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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-6ST__LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

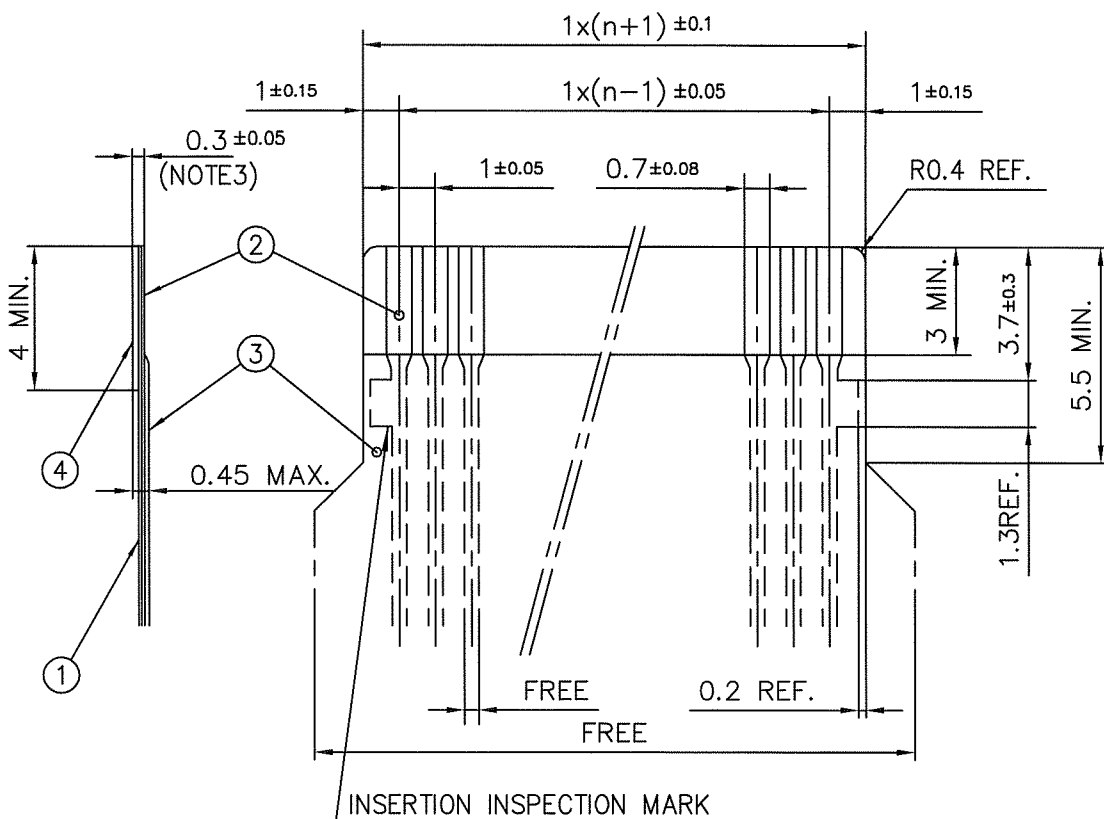
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE CIC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSED) TAPE AND REEL.
3. E DIMENSION IS PORTION OF 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		title		1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-6STE1LF)	
A		J07-0397		H.T		7/27/07		mm		dwg no	
								scale		sheet 1 of 1	
								F		size	
										A4	
										type	
										Product Customer Drawing	
sheet index		revision		A						Rev. A	
sheet		1									

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RECOMMENDED CABLE (CIC)

n : NO. OF CONDUCTORS



PT. NO.	DESCRIPTION	MATERIAL	THICKNESS (μm)	
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUIVALENT	75	25
2	CONDUCTOR	CARBON PASTE OVER SILVER PASTE	10MIN.	
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUIVALENT	—	
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUIVALENT	188	250

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 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection mm		product family 58NF		CODE JP	
ltr				ecn no		dr		date		title			
A				J07-0397		H.T		7/27/07		RECOMMENDED CABLE (CIC)			
										(Cat. No. HFW__R-5/6__)			
										dwg no		sheet 1 of 1 size	
										JSA 97345		A4	
										type		Product Customer Drawing	
sheet index				revision		A						Rev.	
A				1								A	