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List of "HFW\_\_R-1/2STAE1HLF" customer document

DOCUMENT NO.	LIST
10096547(sheet1)	DOCUMENT LIST
10096547(sheet2)	CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (HFWR-1/2STA_HLF)
10096547(sheet3)	1mm SPACING SURFACE MOUNT FPC CONNECTOR (HFWR-1STA_HLF)
10096547(sheet4)	1mm SPACING SURFACE MOUNT FPC CONNECTOR (HFWR-2STA_HLF)
10096547(sheet5)	CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (HFWR-1/2STAE1HLF)
10096547(sheet6)	1mm SPACING SMT CONNECTOR (HFWR-1STAE1HLF)
10096547(sheet7)	1mm SPACING SMT CONNECTOR (HFWR-2STAE1HLF)
10096547(sheet8)	RECOMMENDED CABLE (FPC) (HFWR-1/2STA)
GS-12-598	PRODUCT SPEC.
BJM-HFWR101	HANDLING PROCEDURES

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# CAT. NO. & DIMENSIONS

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

CAT. NO. HFW (n) R - 1 ST A HLF SERIES -NO. OF CONTACTS -RIGHT ANGLE TYPE FOR FPC, CONTACT -DIRECTION 1. LOWER CONTACT TYPE 2. UPPER CONTACT TYPE FOR AUTOMATIC MOUNTING (SMT) GOLD PLATING PACKAGE STYLE HALOGEN AND LEAD FREE -

NOTES

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

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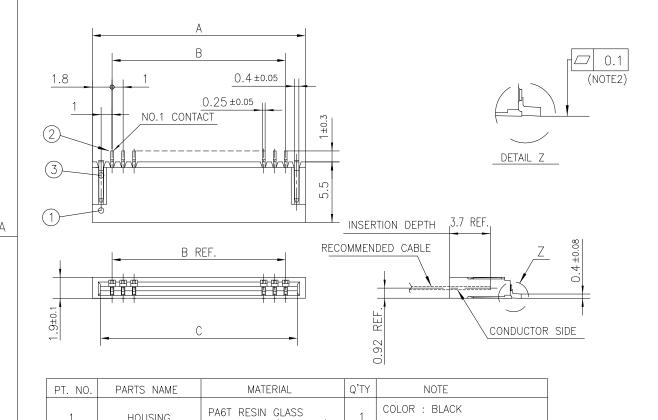
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n: NO. OF CONTACTS

PLATING: TIN (LEAD FREE)

PLATING : GOLD

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(HALOGEN FREE)

#### 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.

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)	PATTERN FOR MOUNTING PLATE FIXING
BASIC PATTERN NO.1 CONTACT POSITION  1×(n-1)±0.05 0.6±0.05	1.5 REF. 2±0.1 4.2±0.1
1±0.05 0.7±0.05 1x(n+1)±0.05	CONNECTOR OUTLINE

REINFORCED (UL94V-0)

PHOSPHOR BRONZE

HOUSING

CONTACT

MOUNTING PLATE

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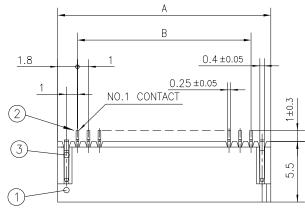
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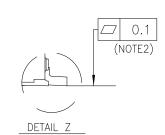


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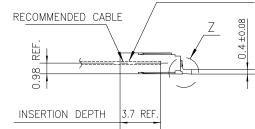


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С



CONDUCTOR SIDE



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

n : NO. OF CONTACTS

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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.

RECOMMENDED PC B (COMPONENT SIDE)	OARD LAYOUT	. <u> </u>	PATTERN FOR MOUNTING PLATE FIXING
BASIC PATTERN NO.1 CONTACT POSITION	1x(n-	0.6±0.05	1.5 REF. 2±0.1 4.2±0.1
-	1±0.05	0.7±0.05	CONNECTOR OUTLINE
-	1x(n-	+1)±0.05	-

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# CAT. NO. & DIMENSIONS

, .	NO. OF	CAT. NO.	DIMENS	SIONS (N	OTE3)
(NOTE4)	CONTACTS (n)	(NOTE2)	E ± 5	F ± 0.3	G ± 0.1
	4	HFW4R-1/2STAE1HLF	28.4	24	
	5	HFW5R-1/2STAE1HLF	28.4	24	
	6	HFW6R-1/2STAE1HLF	28.4	24	
	7	HFW7R-1/2STAE1HLF	28.4	24	
	8	HFW8R-1/2STAE1HLF	28.4	24	_
	9	HFW9R-1/2STAE1HLF	28.4	24	_
	10	HFW10R-1/2STAE1HLF	28.4	24	_
	11	HFW11R-1/2STAE1HLF	28.4	24	_
	12	HFW12R-1/2STAE1HLF	28.4	24	_
	13	HFW13R-1/2STAE1HLF	28.4	24	_
	14	HFW14R-1/2STAE1HLF	28.4	24	_
	15	HFW15R-1/2STAE1HLF	36.4	32	28.4
	16	HFW16R-1/2STAE1HLF	36.4	32	28.4
	17	HFW17R-1/2STAE1HLF	36.4	32	28.4
	18	HFW18R-1/2STAE1HLF	36.4	32	28.4
	19	HFW19R-1/2STAE1HLF	48.4	44	40.4
	20	HFW20R-1/2STAE1HLF	48.4	44	40.4
	21	HFW21R-1/2STAE1HLF	48.4	44	40.4
	22	HFW22R-1/2STAE1HLF	48.4	44	40.4
	23	HFW23R-1/2STAE1HLF	48.4	44	40.4
	24	HFW24R-1/2STAE1HLF	48.4	44	40.4
	25	HFW25R-1/2STAE1HLF	48.4	44	40.4
	26	HFW26R-1/2STAE1HLF	48.4	44	40.4
	27	HFW27R-1/2STAE1HLF	48.4	44	40.4
*	28	HFW28R-1/2STAE1HLF	48.4	44	40.4
*	29	HFW29R-1/2STAE1HLF	48.4	44	40.4
	7.0	LIEWZOD 4 /00TAE4LUE	CO 4	EC	E 0 4

HFW30R-1/2STAE1HLF

CAT. NO. HFW (n) R = 1 ST A E1 HLF SERIES -NO. OF CONTACTS -RIGHT ANGLE TYPE FOR FPC, CONTACT -DIRECTION 1. LOWER CONTACT TYPE 2. UPPER CONTACT TYPE FOR AUTOMATIC MOUNTING (SMT) GOLD PLATING TAPE PACKAGING -HALOGEN AND LEAD FREE -

NOTES

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1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).

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2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.

52.4

3. SEE PART DRAWINGS FOR DIMENSIONS E~G.

60.4

4. PLEASE CONSULT US IN CASE OF USING PARTS WITH \* MARK.

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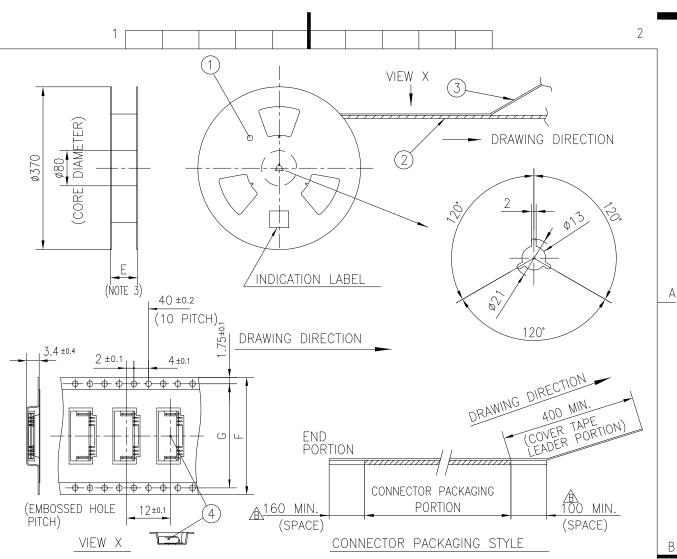
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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSED) TAPE		⚠PS or A-PET		COLOR:TRANSPARENCY
3	COVER		POLYESTER, POLYETHYLENE		COLOR:TRANSPARENCY
4	CONNECTOR	HFWR-1STAHLF	SEE SHEET 3	2000	LOWER CONTACT TYPE

### NOTES

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- 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 (EMBOSSED) TAPE AND REEL.
- 3. E DIMENSION IS PORTION OF THE CORE.

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						dr	S.W	ATANA			-3-13				dwg no				S	heet	6 0	of 8	size	
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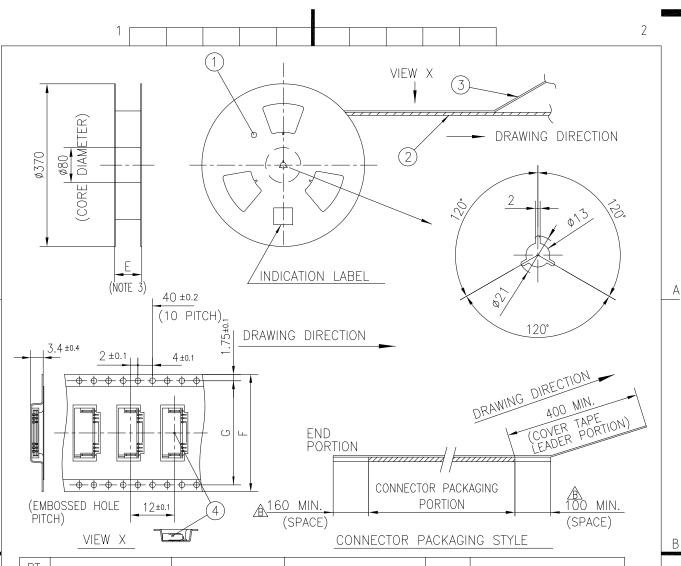
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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSSED) TAPE		APS or A-PET		COLOR:TRANSPARENCY
3	COVER		APOLYESTER, POLYETHYLENE		COLOR:TRANSPARENCY
4	CONNECTOR	HFWR-2STAHLF	SEE SHEET 4	2000	UPPER CONTACT TYPE

### NOTES

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- 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 (EMBOSSED) TAPE AND REEL.
- 3. E DIMENSION IS PORTION OF THE CORE.

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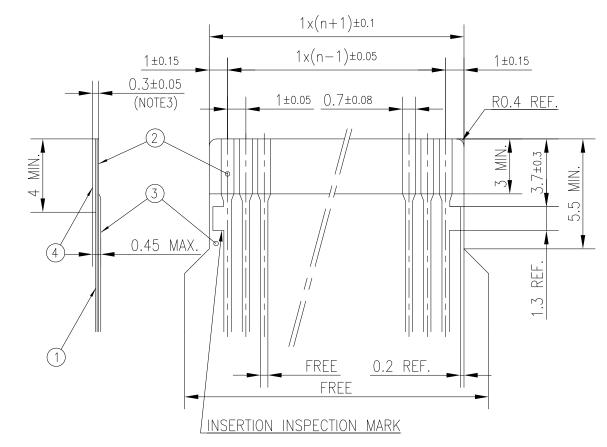
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n: NO. OF CONDUCTORS



PT. NO.	DESCRIPTION	MATERIAL	THICKNESS	(um)
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 /			tolerance			proj	ectio	חכ	product family 58NF									
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STATUS:Released

PDS: Rev :B

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