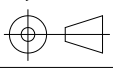
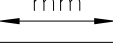




List of "HFW__S-2STAE1HLF" customer document

DOCUMENT NO.	LIST
SC-HFWS06	SPEC.
10147265 Sheet2	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__S-2STAHLF)
10147265 Sheet3	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (HFW__S-2STAHLF)
10147265 Sheet4	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (HFW__S-2STAE1HLF)
10147265 Sheet5	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (HFW__S-2STAE1HLF)
10147265 Sheet6	RECOMMENDED CABLE (FPC) (HFW__S-2STALF)
10147265 Sheet7	RECOMMENDED CABLE (FFC) (HFW__S-2STALF)

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family 580F				CODE JP									
ltr		ecn no		dr		date		tolerances unless otherwise specified				title 1mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : HFW__S-2STAE1HLF)											
A				N.S		2018-02-09		angles															
B		ELX-J-38365		S.W		2020-09-17		linear															
								0°±x'		scale NTS													
								dr		S.Watanabe		2020-09-16		dwg no sheet 1 of 7 size 10147265 A4									
								engr		S.Watanabe		2020-09-16											
								chr		SH.Thio		2020-09-17											
								appd		Y.Kameda		2020-09-17											
sheet index		revision sheet		B 1		B 2		B 3		B 4		B 5		B 6		B 7		Amphenol FCi		type Product Customer Drawing			
																				Rev. B			

CAT. NO. & DIMENSIONS

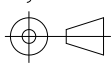
(NOTE 3)	NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)				
			A ± 0.2	B ± 0.2	C ± 0.2	D ± 0.2	E ± 0.2
	4	HFW4S-2STA__HLF	7	5.14	3	—	—
	5	HFW5S-2STA__HLF	8	6.14	4	—	—
	6	HFW6S-2STA__HLF	9	7.14	5	—	—
	7	HFW7S-2STA__HLF	10	8.14	6	—	—
	8	HFW8S-2STA__HLF	11	9.14	7	—	—
	9	HFW9S-2STA__HLF	12	10.14	8	0.35	7.3
	10	HFW10S-2STA__HLF	13	11.14	9	0.35	8.3
	11	HFW11S-2STA__HLF	14	12.14	10	1.35	7.3
	12	HFW12S-2STA__HLF	15	13.14	11	1.35	8.3
	13	HFW13S-2STA__HLF	16	14.14	12	2.35	7.3
	14	HFW14S-2STA__HLF	17	15.14	13	2.35	8.3
	15	HFW15S-2STA__HLF	18	16.14	14	3.35	7.3
	16	HFW16S-2STA__HLF	19	17.14	15	3.35	8.3
	17	HFW17S-2STA__HLF	20	18.14	16	4.35	7.3
	18	HFW18S-2STA__HLF	21	19.14	17	4.35	8.3
	19	HFW19S-2STA__HLF	22	20.14	18	5.35	7.3
	20	HFW20S-2STA__HLF	23	21.14	19	5.35	8.3
	21	HFW21S-2STA__HLF	24	22.14	20	6.35	7.3
	22	HFW22S-2STA__HLF	25	23.14	21	6.35	8.3
	23	HFW23S-2STA__HLF	26	24.14	22	7.35	7.3
	24	HFW24S-2STA__HLF	27	25.14	23	7.35	8.3
	25	HFW25S-2STA__HLF	28	26.14	24	8.35	7.3
	26	HFW26S-2STA__HLF	29	27.14	25	8.35	8.3
	27	HFW27S-2STA__HLF	30	28.14	26	9.35	7.3
	28	HFW28S-2STA__HLF	31	29.14	27	9.35	8.3
	29	HFW29S-2STA__HLF	32	30.14	28	10.35	7.3
	30	HFW30S-2STA__HLF	33	31.14	29	10.35	8.3
*	31	HFW31S-2STA__HLF	34	32.14	30	11.35	7.3
	32	HFW32S-2STA__HLF	35	33.14	31	11.35	8.3
*	33	HFW33S-2STA__HLF	36	34.14	32	12.35	7.3

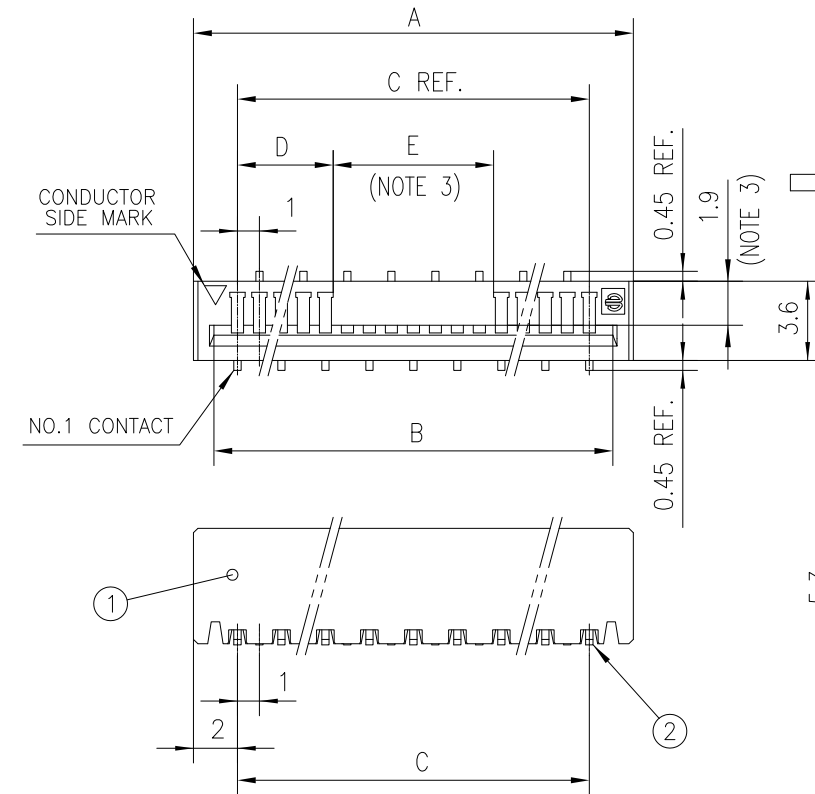
CAT. NO.

	HFW	(n)	S-2	ST	A	—	H	LF
SERIES								
NO. OF CONTACTS								
STRAIGHT TYPE								
FOR FPC / FFC								
FOR AUTOMATIC MOUNTING (SMT)								
VARIATION GOLD PLATING								
PACKAGE STYLE								
HALOGEN FREE								
LEAD FREE								

NOTES

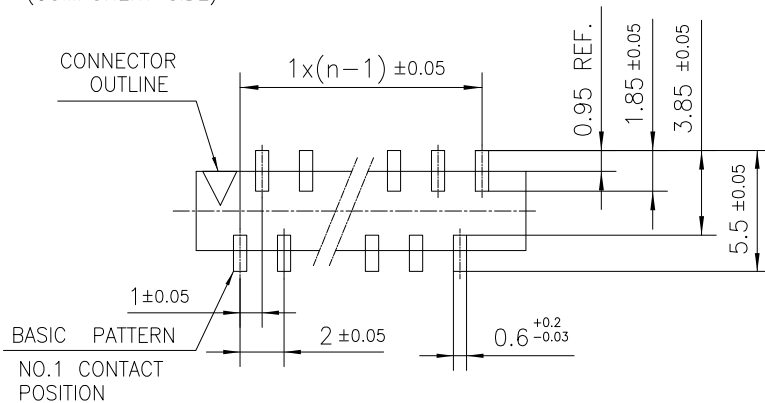
1. THIS PRODUCT IS THE CONNECTOR DSIGNED TO TERMINATE FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~E.
3. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 580F						CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified							title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (CAT.No.HFW__S-2STA__HLF)							
B				angles	linear	--			mm									
				0°±x°		--												scale NTS
				dr	S.Watanabe		2020-09-16			dwg no						sheet 2 of 7		
				engr	S.Watanabe		2020-09-16			10147265						A4		
				chr	SH.Thio		2020-09-17			type Product Customer Drawing								
				appd	Y.Kameda		2020-09-17											
sheet index		revision sheet															Rev. B	



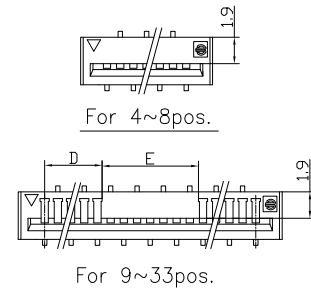
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING (HALOGEN FREE)	LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING : GOLD

n : NO. OF CONTACTS

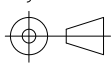
RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

NOTES

- THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
- FLATNESS OF CONTACT TERMINAL MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
- THIS DIMENSION IS SPACE FOR THE NOZZLE OF MOUNTER. PRODUCT BELOW 8 POS. HAVE WHOLE FLAT SURFACE AS SHOWN IN A FIGURE.



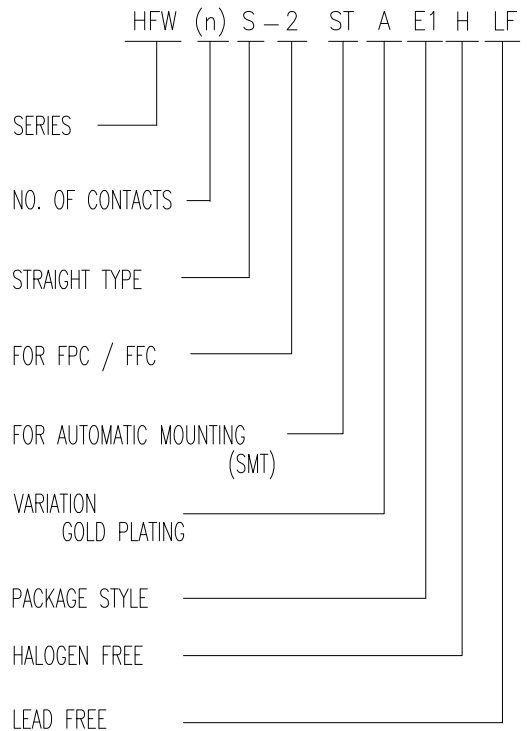
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 580F				CODE JP				
ltr	ecn no	dr	date	tolerances unless otherwise specified				 scale NTS		title 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (CAT.No.HFW__S-2STA__HLF)								
B				angles	linear		±0.2											
							±0.2											
				0°±x°			±0.2											
				dr	S.Watanabe		2020-09-16		Amphenol FCI		dwg no				sheet 3 of 7		size	
				engr	S.Watanabe		2020-09-16				10147265				A4			
				chr	SH.Thio		2020-09-17											
				appd	Y.Kameda		2020-09-17											
sheet index		revision										type Product Customer Drawing				Rev.		
		sheet														B		

CAT. NO. & DIMENSIONS

(NOTE.4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-2STAE1HLF	28.4	24	—
	5	HFW5S-2STAE1HLF	28.4	24	—
	6	HFW6S-2STAE1HLF	28.4	24	—
	7	HFW7S-2STAE1HLF	28.4	24	—
	8	HFW8S-2STAE1HLF	28.4	24	—
	9	HFW9S-2STAE1HLF	28.4	24	—
	10	HFW10S-2STAE1HLF	28.4	24	—
	11	HFW11S-2STAE1HLF	28.4	24	—
	12	HFW12S-2STAE1HLF	28.4	24	—
	13	HFW13S-2STAE1HLF	28.4	24	—
	14	HFW14S-2STAE1HLF	36.4	32	28.4
	15	HFW15S-2STAE1HLF	36.4	32	28.4
	16	HFW16S-2STAE1HLF	36.4	32	28.4
	17	HFW17S-2STAE1HLF	36.4	32	28.4
	18	HFW18S-2STAE1HLF	48.4	44	40.4
	19	HFW19S-2STAE1HLF	48.4	44	40.4
	20	HFW20S-2STAE1HLF	48.4	44	40.4
	21	HFW21S-2STAE1HLF	48.4	44	40.4
	22	HFW22S-2STAE1HLF	48.4	44	40.4
	23	HFW23S-2STAE1HLF	48.4	44	40.4
	24	HFW24S-2STAE1HLF	48.4	44	40.4
	25	HFW25S-2STAE1HLF	48.4	44	40.4
	26	HFW26S-2STAE1HLF	48.4	44	40.4
	27	HFW27S-2STAE1HLF	48.4	44	40.4
	28	HFW28S-2STAE1HLF	48.4	44	40.4
	29	HFW29S-2STAE1HLF	60.4	56	52.4
	30	HFW30S-2STAE1HLF	60.4	56	52.4
*	31	HFW31S-2STAE1HLF	60.4	56	52.4
	32	HFW32S-2STAE1HLF	60.4	56	52.4
*	33	HFW33S-2STAE1HLF	60.4	56	52.4

CAT. NO.



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

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

3. SEE PART DRAWINGS FOR DIMENSIONS F~H.

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

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family 580F				CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title					
B				angles	linear	--				CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-2STAE1HLF)					
				0°±x'		--		scale NTS		dwg no sheet 4 of 7 size					
				dr	S.Watanabe	2020-09-16		Amphenol FCI		10147265					
				engr	S.Watanabe	2020-09-16				A4					
				chr	SH.Thio	2020-09-17									
				appd	Y.Kameda	2020-09-17									
sheet index		revision sheet								type		Product Customer Drawing		Rev. B	



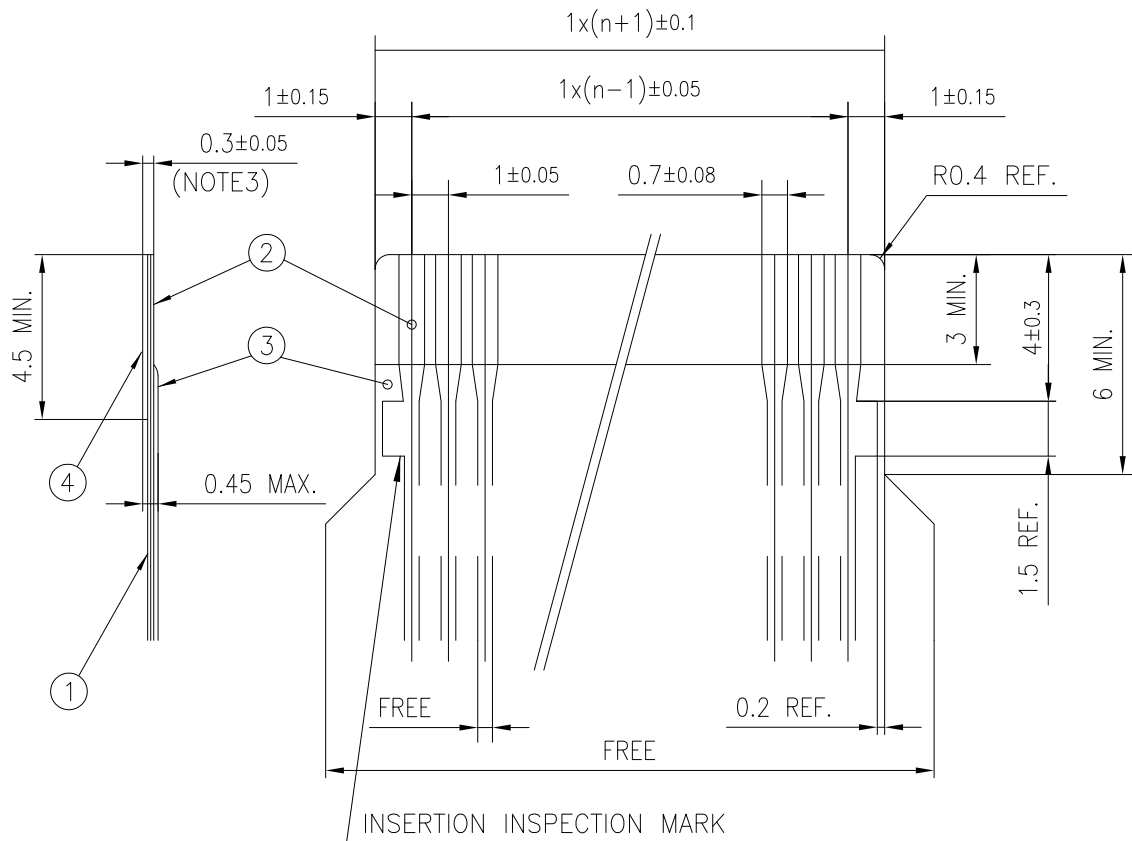
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D

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



PT. NO.	DISCRIPTION	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

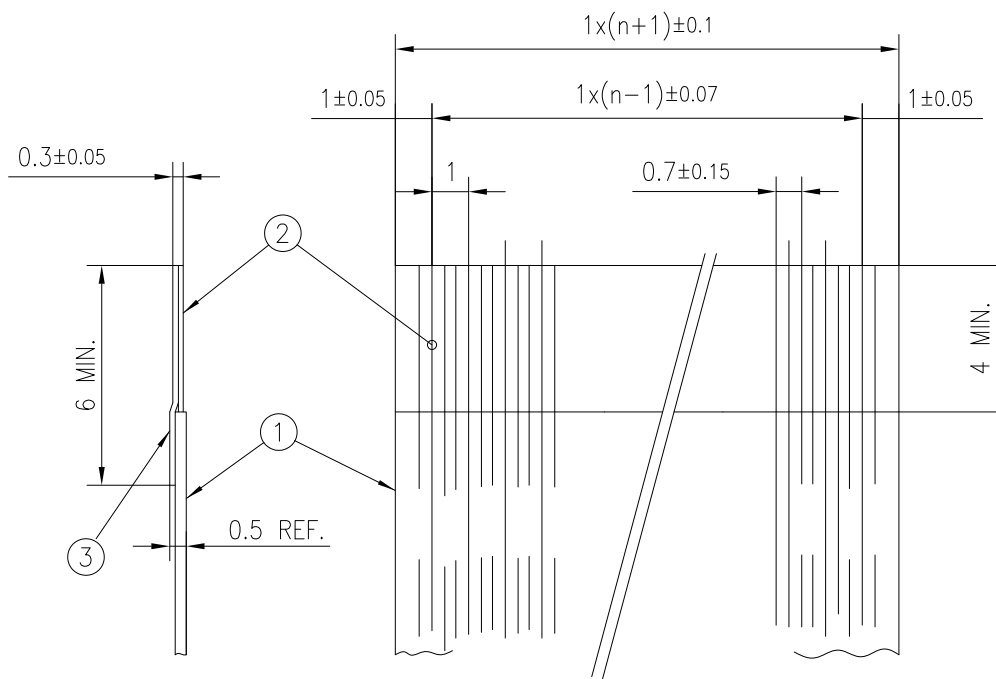
NOTES

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 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family 580F	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		 mm scale NTS	title RECOMMENDED CABLE (CAT.No.HFW__S-2STA__)	
B				angles	linear			
				0°±x°				
				dr	S.Watanabe	2020-09-16		
				engr	S.Watanabe	2020-09-16	dwg no 10147265	
				chr	SH.Thio	2020-09-17		
				appd	Y.Kameda	2020-09-17		
sheet index	revision sheet						type Product Customer Drawing	
							Rev. B	

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTOR



PT. NO.	DESCRIPTION	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT	
2	CONDUCTOR	COPPER FOIL	PLATING : GOLD
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT	

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 580F						CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified					title RECOMMENDED CABLE (CAT.No.HFW__S-2STA__)									
B				angles	linear	--												
				0°±x°		--												
				dr	S.Watanabe		2020-09-16			dwg no						sheet 7 of 7		size A4
				engr	S.Watanabe		2020-09-16			10147265								
				chr	SH.Thio		2020-09-17			type Product Customer Drawing								
				appd	Y.Kameda		2020-09-17											
sheet index		revision sheet															Rev. B	