

List of "HFW__S-4STZE1HLF" customer document

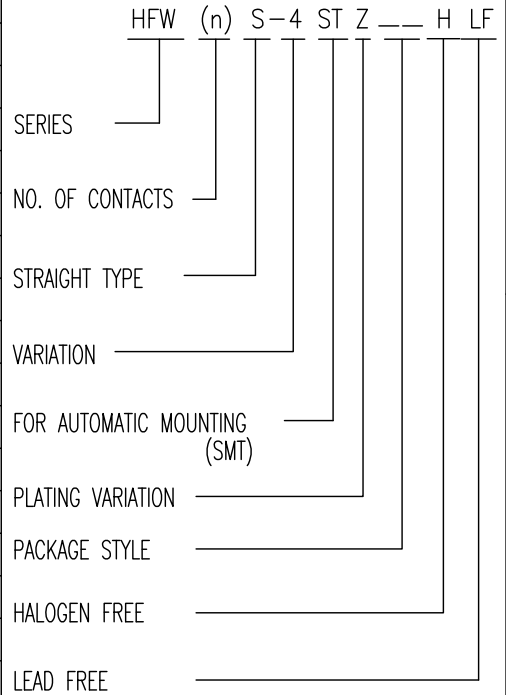
DOCUMENT NO.	LIST
SC-HFWS05	SPEC.
10145426 Sheet2	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__S-4STZ_HLF)
10145426 Sheet3	1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (HFW__S-4STZ_HLF)
10145426 Sheet4	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (HFW__S-4STZE1HLF)
10145426 Sheet5	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (HFW__S-4STZE1HLF)
10145426 Sheet6	RECOMMENDED CABLE (FPC) (HFW_S-4ST_)
10145426 Sheet7	RECOMMENDED CABLE (FFC) (HFW_S-4ST_)

mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family 580F				CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title 1mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : HFW__S-4STZE_HLF)		dwg no 10145426		sheet 1 of 7		size A4		
A		N.S	2017-09-08	angles	linear	NON		scale		Product		Customer		Drawing		
B	ELX-J-32761	N.S	2019-02-25	0°±x'		Amphenol FCI		type		Rev.						
sheet index	revision sheet	B	B	B	B	B	B	B	B							
		1	2	3	4	5	6	7							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-4STZ__HLF	7	5.14	3	—	—
	5	HFW5S-4STZ__HLF	8	6.14	4	—	—
	6	HFW6S-4STZ__HLF	9	7.14	5	—	—
	7	HFW7S-4STZ__HLF	10	8.14	6	—	—
	8	HFW8S-4STZ__HLF	11	9.14	7	—	—
	9	HFW9S-4STZ__HLF	12	10.14	8	0.35	7.3
	10	HFW10S-4STZ__HLF	13	11.14	9	0.35	8.3
	11	HFW11S-4STZ__HLF	14	12.14	10	1.35	7.3
	12	HFW12S-4STZ__HLF	15	13.14	11	1.35	8.3
	13	HFW13S-4STZ__HLF	16	14.14	12	2.35	7.3
	14	HFW14S-4STZ__HLF	17	15.14	13	2.35	8.3
	15	HFW15S-4STZ__HLF	18	16.14	14	3.35	7.3
	16	HFW16S-4STZ__HLF	19	17.14	15	3.35	8.3
	17	HFW17S-4STZ__HLF	20	18.14	16	4.35	7.3
	18	HFW18S-4STZ__HLF	21	19.14	17	4.35	8.3
	19	HFW19S-4STZ__HLF	22	20.14	18	5.35	7.3
	20	HFW20S-4STZ__HLF	23	21.14	19	5.35	8.3
	21	HFW21S-4STZ__HLF	24	22.14	20	6.35	7.3
	22	HFW22S-4STZ__HLF	25	23.14	21	6.35	8.3
	23	HFW23S-4STZ__HLF	26	24.14	22	7.35	7.3
	24	HFW24S-4STZ__HLF	27	25.14	23	7.35	8.3
	25	HFW25S-4STZ__HLF	28	26.14	24	8.35	7.3
	26	HFW26S-4STZ__HLF	29	27.14	25	8.35	8.3
	27	HFW27S-4STZ__HLF	30	28.14	26	9.35	7.3
	28	HFW28S-4STZ__HLF	31	29.14	27	9.35	8.3
	29	HFW29S-4STZ__HLF	32	30.14	28	10.35	7.3
	30	HFW30S-4STZ__HLF	33	31.14	29	10.35	8.3
*	31	HFW31S-4STZ__HLF	34	32.14	30	11.35	7.3
	32	HFW32S-4STZ__HLF	35	33.14	31	11.35	8.3
*	33	HFW33S-4STZ__HLF	36	34.14	32	12.35	7.3

CAT. NO.



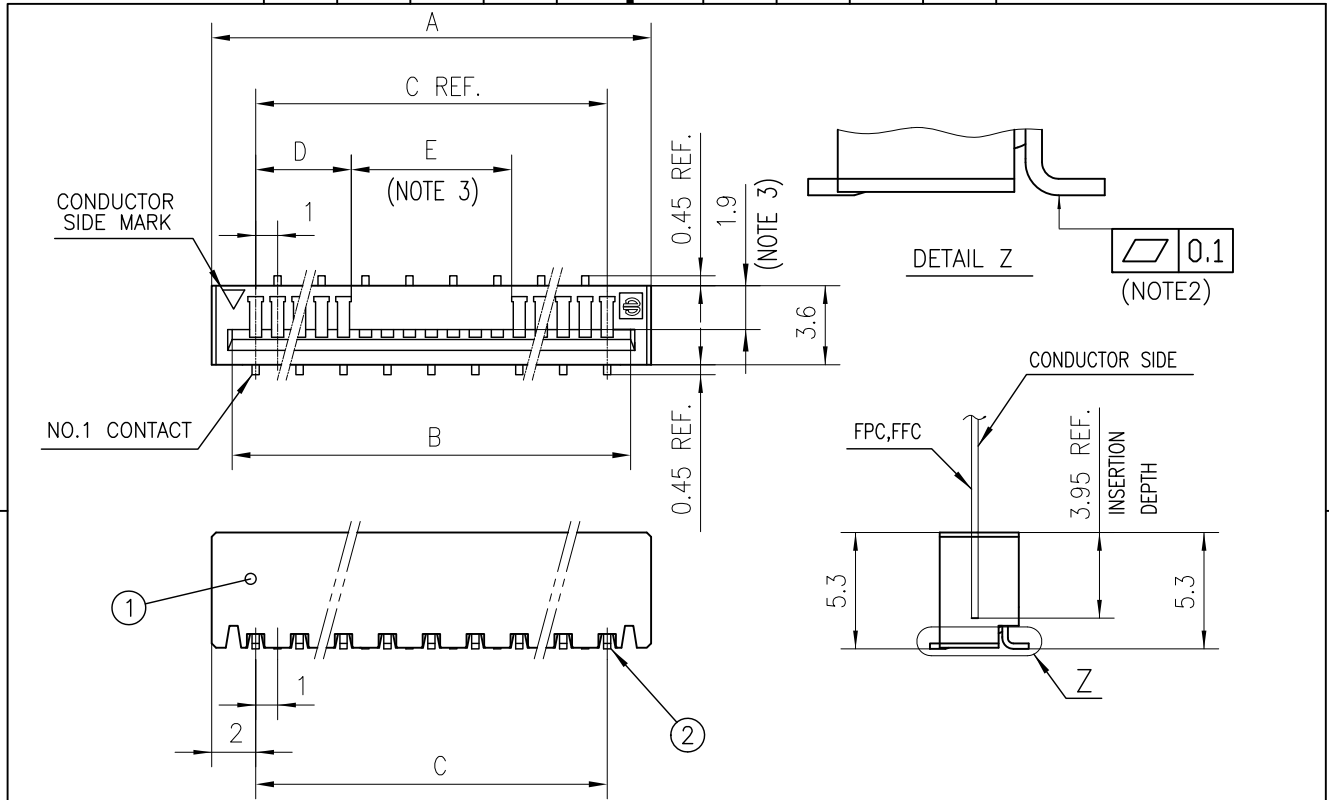
NOTES

1. THIS PRODUCT IS THE CONNECTOR DSGINED 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.

Amphenol FCI

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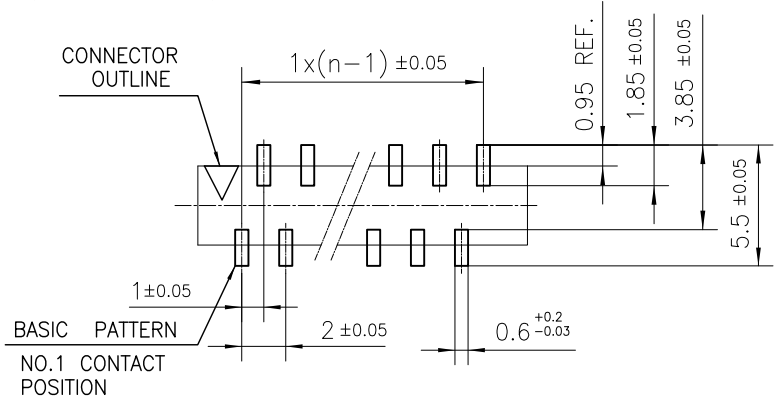
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 580F		CODE JP			
ltr ecn no dr date				tolerances unless otherwise specified						title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. : HFW__S-4STZ__HLF)					
A N.S 2017-09-08				angles		--		mm							
B ELX-J-32761 N.S 2019-02-25				linear		--		scale NON							
				dr N.Sasame		2019-02-25		Amphenol FCI		dwg no sheet 2 of 7 size					
				engr N.Sasame		2019-02-25				10145426		A4			
				chr H.Suzuki		2019-02-25									
				appd Y.Kameda		2019-02-25									
sheet index		revision sheet										Rev. B			



n : NO. OF CONTACTS

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	Ni UNDER Sn PLATING (LEAD FREE)

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



- NOTES
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
 2. FLATNESS OF CONTACT TERMINAL MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
 3. THIS DIMENSION IS SPACE FOR THE NOZZLE OF MOUNTER.
 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.

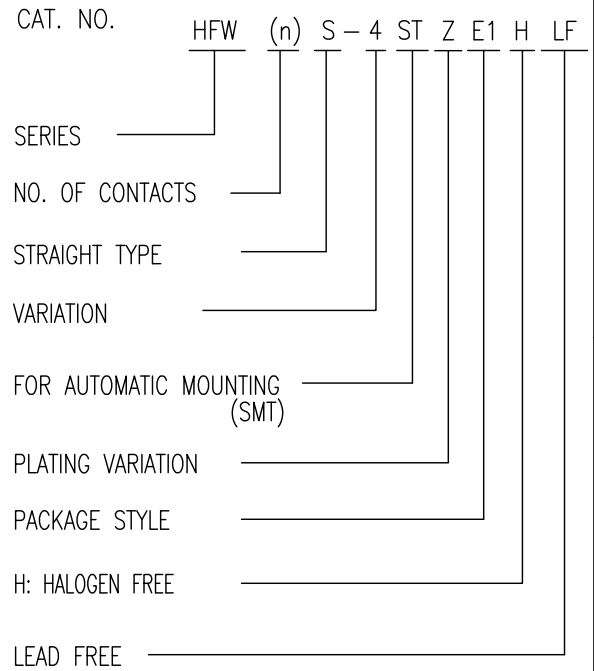
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 580F		CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified				mm		title 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (Cat. No. : HFW__S-4STZ__HLF)			
A N.S 2017-09-08				angles		±0.2							
B ELX-J-32761 N.S 2019-02-25				linear		±0.2							
				0°±x'		±0.2		scale NON		dwg no		sheet 3 of 7 size	
				dr N.Sasame		2019-02-25		Amphenol FCI		10145426		A4	
				engr N.Sasame		2019-02-25				type Product Customer Drawing		Rev.	
				chr H.Suzuki		2019-02-25						B	
				appd Y.Kameda		2019-02-25							
sheet index		revision sheet											

Amphenol FCI

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CAT. NO. & DIMENSIONS

(NOTE.4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-4STZE1HLF	28.4	24	—
	5	HFW5S-4STZE1HLF	28.4	24	—
	6	HFW6S-4STZE1HLF	28.4	24	—
	7	HFW7S-4STZE1HLF	28.4	24	—
	8	HFW8S-4STZE1HLF	28.4	24	—
	9	HFW9S-4STZE1HLF	28.4	24	—
	10	HFW10S-4STZE1HLF	28.4	24	—
	11	HFW11S-4STZE1HLF	28.4	24	—
	12	HFW12S-4STZE1HLF	28.4	24	—
	13	HFW13S-4STZE1HLF	28.4	24	—
	14	HFW14S-4STZE1HLF	36.4	32	28.4
	15	HFW15S-4STZE1HLF	36.4	32	28.4
	16	HFW16S-4STZE1HLF	36.4	32	28.4
	17	HFW17S-4STZE1HLF	36.4	32	28.4
	18	HFW18S-4STZE1HLF	48.4	44	40.4
	19	HFW19S-4STZE1HLF	48.4	44	40.4
	20	HFW20S-4STZE1HLF	48.4	44	40.4
	21	HFW21S-4STZE1HLF	48.4	44	40.4
	22	HFW22S-4STZE1HLF	48.4	44	40.4
	23	HFW23S-4STZE1HLF	48.4	44	40.4
	24	HFW24S-4STZE1HLF	48.4	44	40.4
	25	HFW25S-4STZE1HLF	48.4	44	40.4
	26	HFW26S-4STZE1HLF	48.4	44	40.4
	27	HFW27S-4STZE1HLF	48.4	44	40.4
	28	HFW28S-4STZE1HLF	48.4	44	40.4
	29	HFW29S-4STZE1HLF	60.4	56	52.4
*	31	HFW31S-4STZE1HLF	60.4	56	52.4
	32	HFW32S-4STZE1HLF	60.4	56	52.4
*	33	HFW33S-4STZE1HLF	60.4	56	52.4



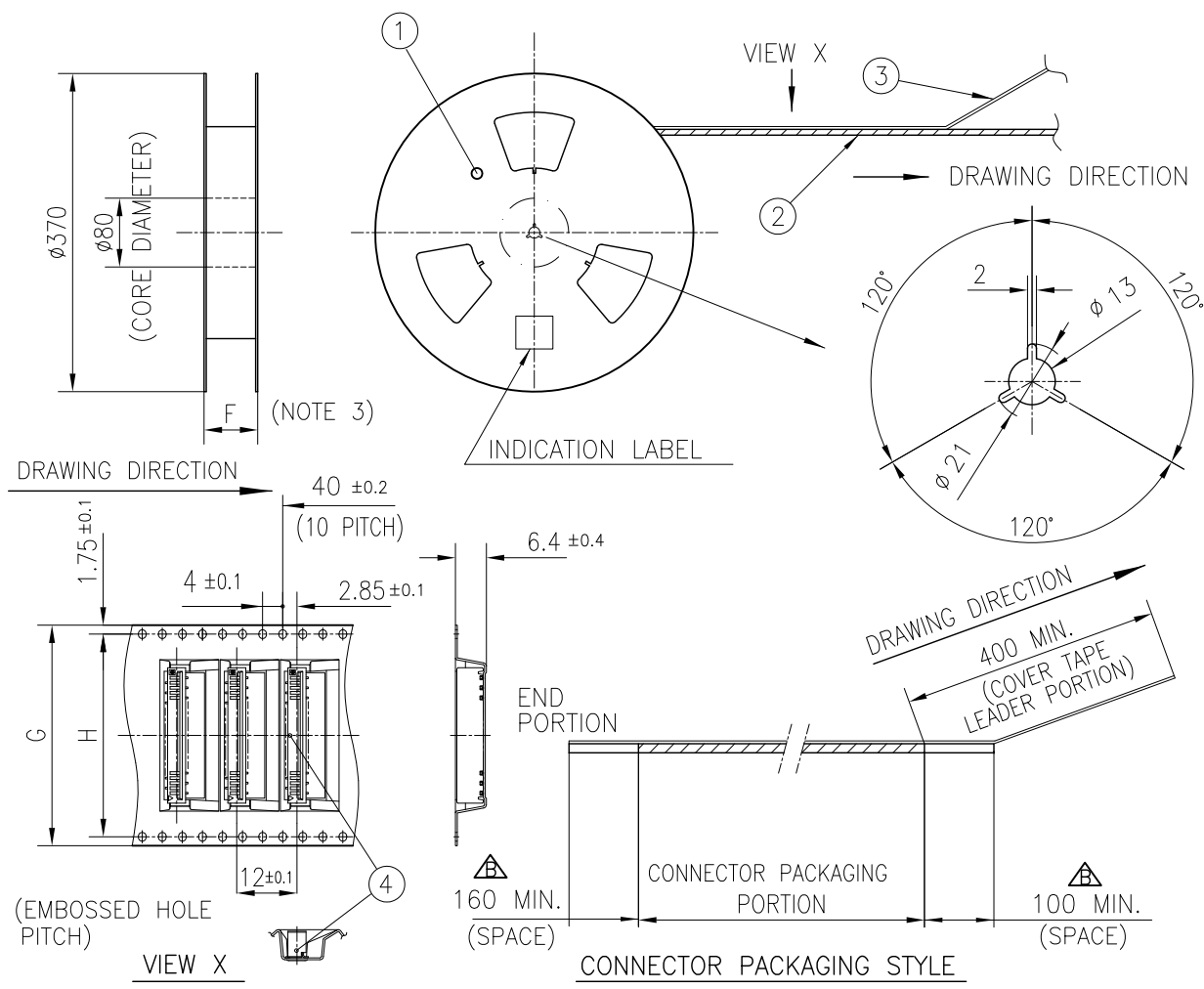
NOTES

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.

Amphenol FCI

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mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection		product family 580F				CODE JP	
ltr		ecn no		dr		date		tolerances unless otherwise specified		mm		title			
A				N.S		2017-09-08		angles		scale NON		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-4STZE1HLF)			
B		ELX-J-32761		N.S		2019-02-25		linear		Amphenol FCI		dwg no		sheet 4 of 7	
								0°±x'				10145426		A4	
				dr		N.Sasame		2019-02-25				type		Product Customer Drawing	
				engr		N.Sasame		2019-02-25						Rev.	
				chr		H.Suzuki		2019-02-25						B	
				appd		Y.Kameda		2019-02-25							
sheet index		revision sheet													



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:GRAY
2	PLASTIC (EMBOSS) TAPE	_____	△ PS or APET	_____	COLOR:TRANSPARENCY
3	COVER	_____	△ POLYESTER, POLYETHYLENE	_____	COLOR:TRANSPARENCY
4	CONNECTOR	HFW__S-4STZ__HLF	SEE ATTACHED DWG.	1000	_____

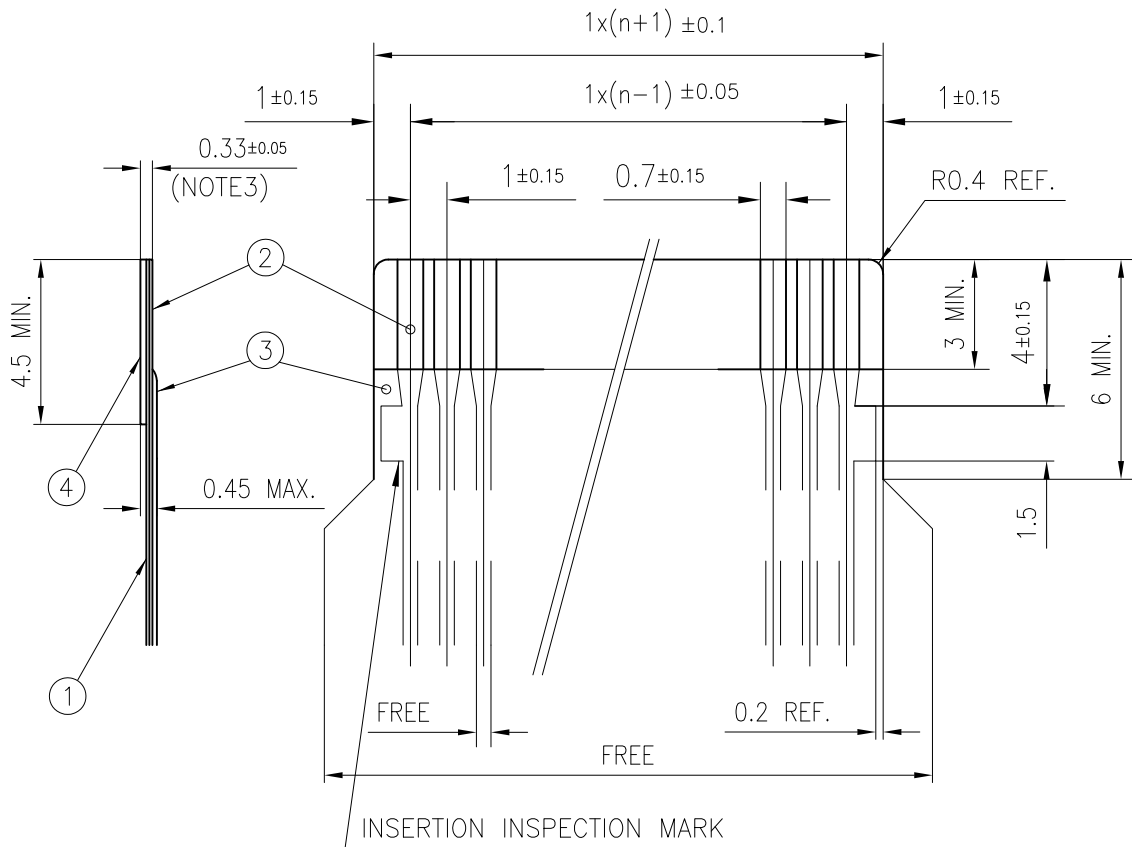
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC 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 (EMBOSS) TAPE AND REEL.
- F DIMENSION IS PORTION OF THE CORE.

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family 580F		CODE JP	
ltr		ecn no		dr		date		title		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. : HFW__S-4STZE1HLF)	
A		N.S		2017-09-08		angles		mm		scale NON	
B		ELX-J-32761		N.S		2019-02-25		linear		dwg no 10145426	
				0°±x'		±5		NON		sheet 5 of 7	
				dr		N.Sasame		2019-02-25		size A4	
				engr		N.Sasame		2019-02-25		type Product Customer Drawing	
				chr		H.Suzuki		2019-02-25		Rev. B	
				appd		Y.Kameda		2019-02-25			
sheet index		revision sheet									

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



PT. NO.	DISCRIPTION	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

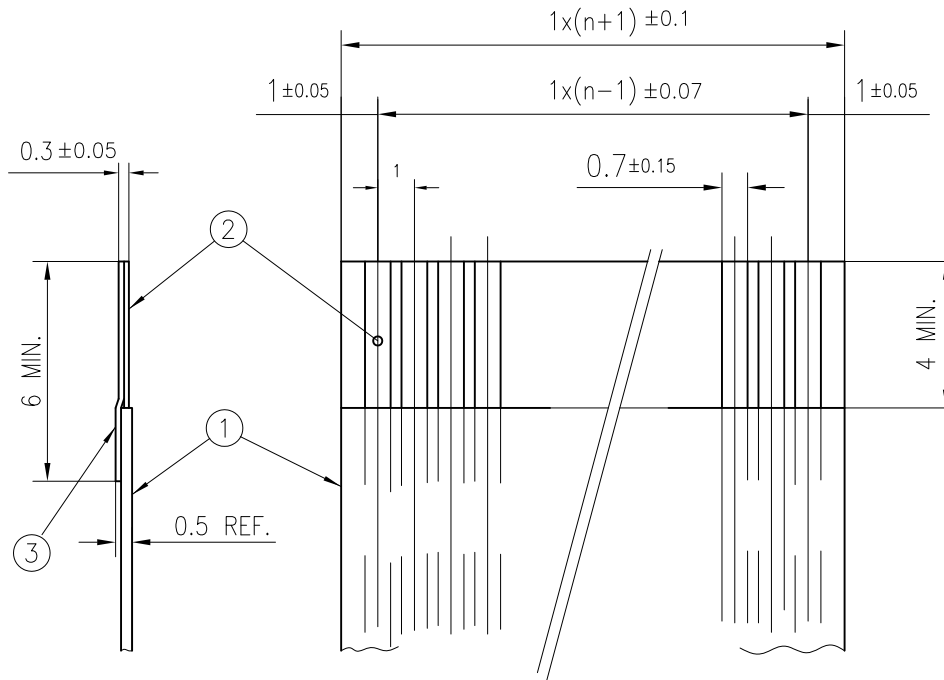
NOTES

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 ISO 1302 ✓ tolerances unless otherwise specified		tolerance ISO 406 ISO 1101		projection mm scale NON		product family 580F		CODE JP	
ltr		ecn no		dr		date		angles linear 0°±x'		title RECOMMENDED CABLE (CAT.No.HFW__S-4ST__)			
A				N.S		2017-09-08				dwg no 10145426 sheet 6 of 7 size A4 type Product Customer Drawing			
B		ELX-J-32761		N.S		2019-02-25							
sheet index		revision sheet										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:TIN OR SOLDER 1 ^m MIN.
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 ✓ tolerances unless otherwise specified		tolerance ISO 406 ISO 1101		projection mm		product family 580F		CODE JP	
ltr	ecn no	dr	date	angles	linear	mm		scale NON		title RECOMMENDED CABLE (CAT.No.HFW__S-4ST__)			
A		N.S	2017-09-08	0°±x'						dwg no		sheet 7 of 7 size	
B	ELX-J-32761	N.S	2019-02-25							10145426		A4	
				dr	N.Sasame	2019-02-25		Amphenol FCi		sheet 7 of 7		size	
				engr	N.Sasame	2019-02-25				10145426		A4	
				chr	H.Suzuki	2019-02-25				type		Product Customer Drawing	
				appd	Y.Kameda	2019-02-25				Rev.		B	
sheet index		revision sheet											