

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.

HFW (n) S-4 ST Z __ H LF

SERIES

NO. OF CONTACTS

STRAIGHT TYPE

VARIATION

FOR AUTOMATIC MOUNTING (SMT)

PLATING VARIATION

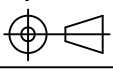
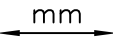
PACKAGE STYLE

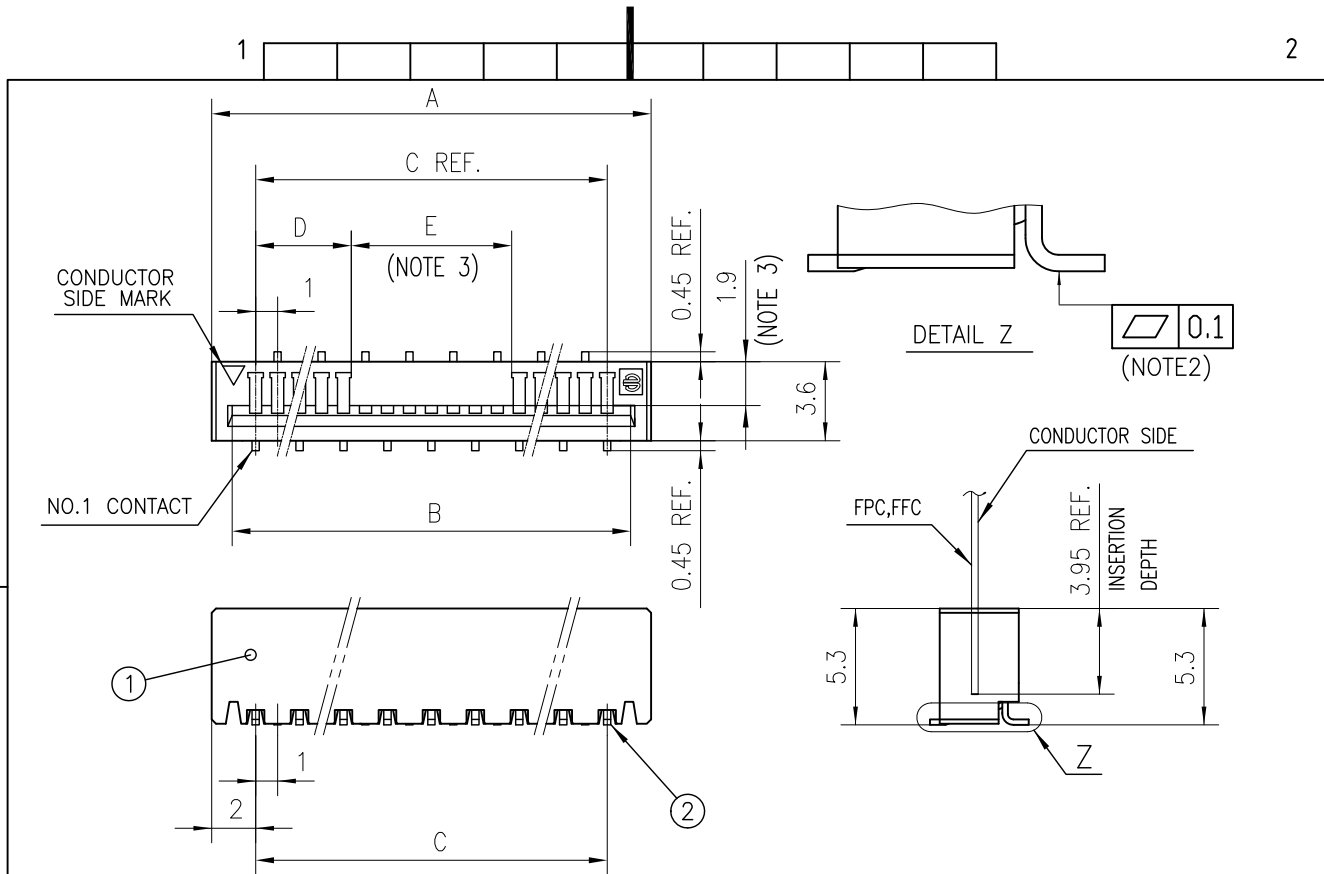
HALOGEN FREE

LEAD FREE

NOTES

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

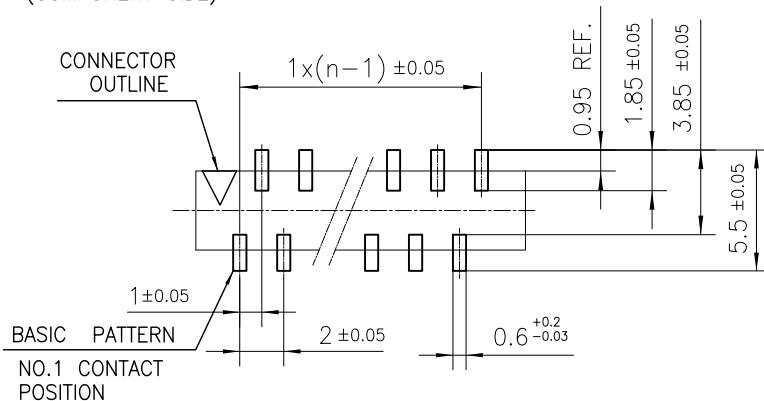
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family 580F	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm 	title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. : HFW__S-4STZ__HLF)	
A		N.S	2017-09-08	angles	linear			
B	ELX-J-32761	N.S	2019-02-25	0°±x'		scale NON	dwg no sheet 2 of 7 10145426	
				dr	N.Sasame	2019-02-25		
				engr	N.Sasame	2019-02-25	size A4	
				chr	H.Suzuki	2019-02-25		
				appd	Y.Kameda	2019-02-25	type Product Customer Drawing	
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	Ni UNDER Sn PLATING (LEAD FREE)

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



NOTES

- THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPES 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.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- 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	linear				
B	ELX-J-32761	N.S	2019-02-25	0°±x'					
				dr	N.Sasame	2019-02-25	dwg no		
				engr	N.Sasame	2019-02-25			
				chr	H.Suzuki	2019-02-25			
				appd	Y.Kameda	2019-02-25	sheet 3 of 7		
sheet index		revision sheet							
							type Product Customer Drawing		
							Rev. 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-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
	30	HFW30S-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

CAT. NO.

HFW (n) S-4 ST Z E1 H LF

SERIES

NO. OF CONTACTS

STRAIGHT TYPE

VARIATION

FOR AUTOMATIC MOUNTING (SMT)

PLATING VARIATION

PACKAGE STYLE

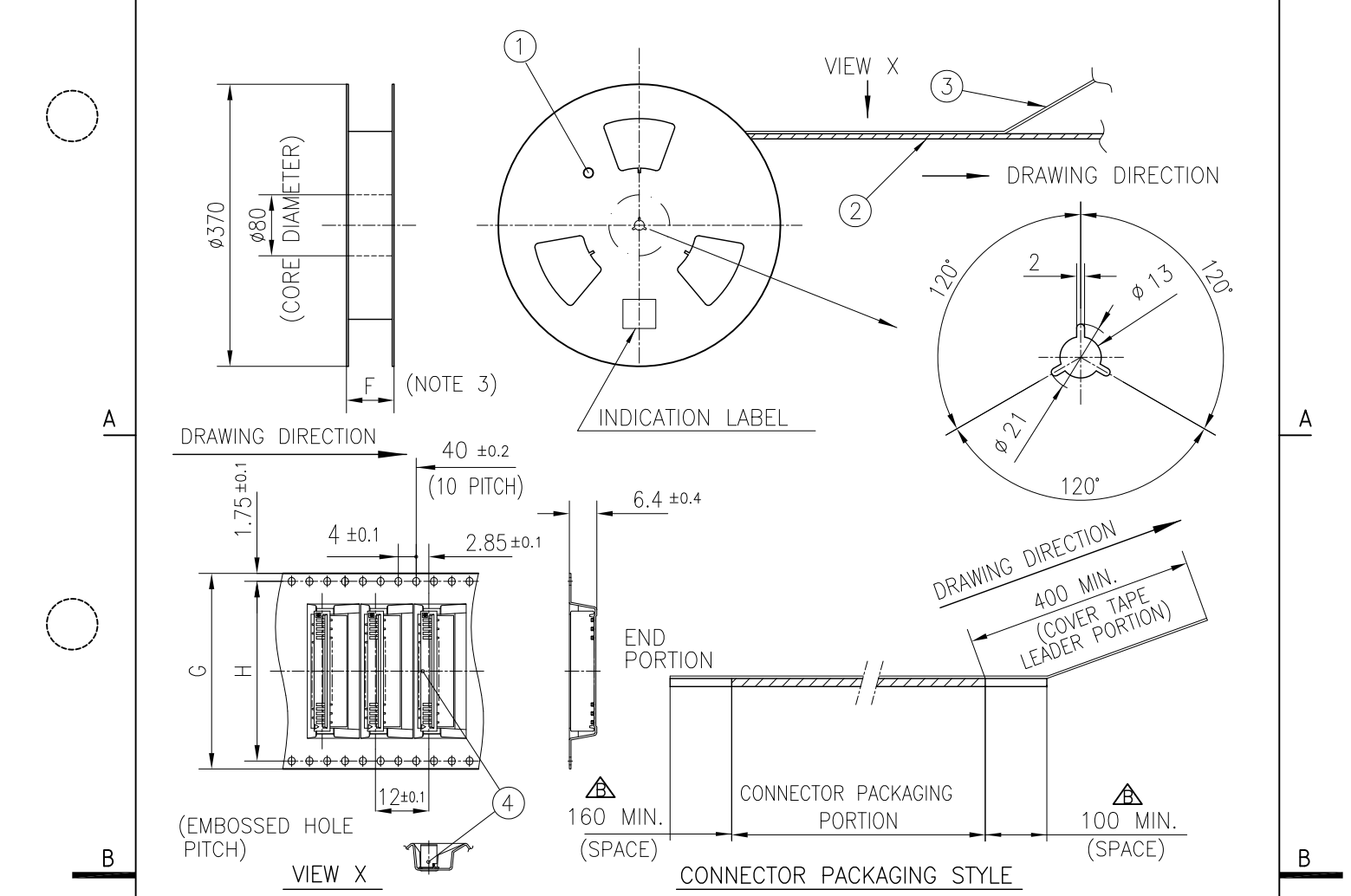
H: HALOGEN FREE

LEAD FREE

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.

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 CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-4STZE1HLF)					
A N.S. 2017-09-08				angles		linear									
B ELX-J-32761 N.S. 2019-02-25				0°±x'						dwg no 10145426 sheet 4 of 7 size A4					
				dr		N.Sasame		2019-02-25							
				engr		N.Sasame		2019-02-25		type Product Customer Drawing					
				chr		H.Suzuki		2019-02-25							
				appd		Y.Kameda		2019-02-25		Rev. B					
sheet index				revision sheet											



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

- NOTES
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES 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. F DIMENSION IS PORTION OF THE CORE.

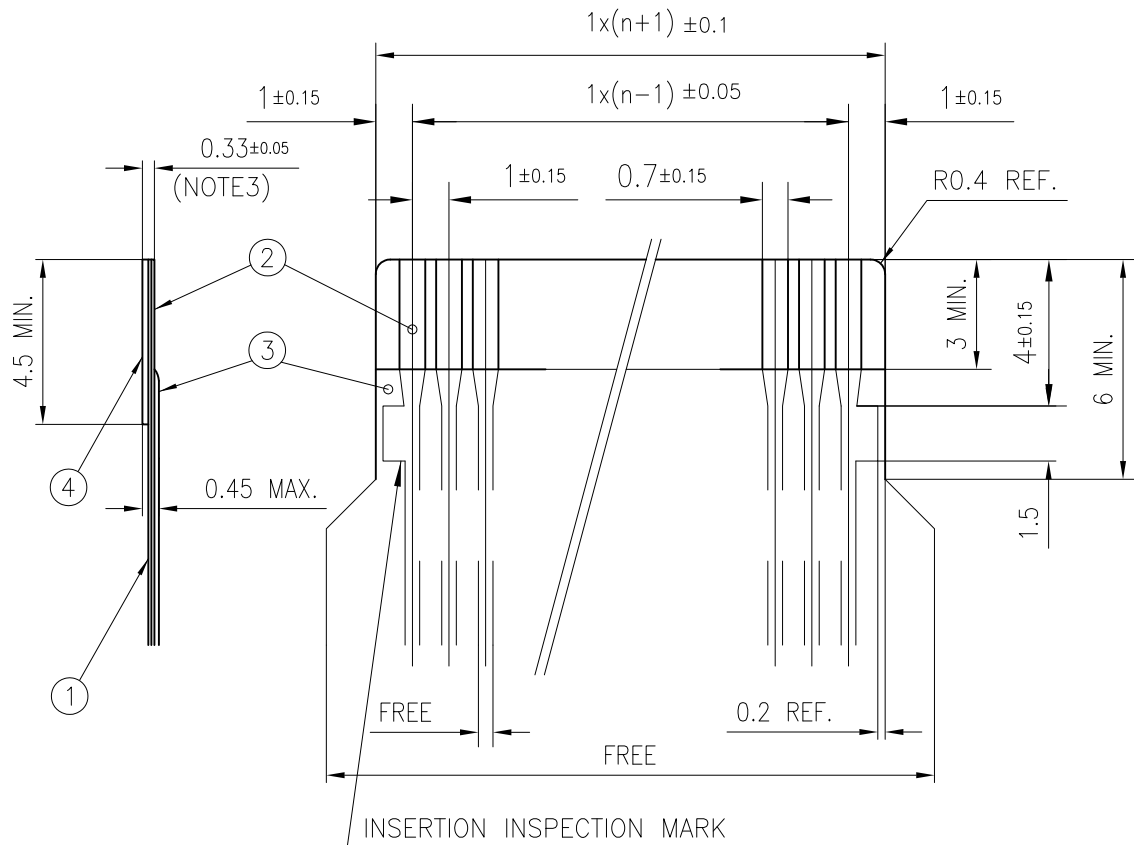
Amphenol FCI

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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				mm		title			
A				angles		±5				PLASTIC TAPE PACKAGED			
B ELX-J-32761 N.S. 2019-02-25				linear		±5				1mm SPACING SMT CONNECTOR			
				0°±x'		±5		scale NON		(Cat. No. : HFW__S-4STZE1HLF)			
				dr		N.Sasame 2019-02-25				dwg no		sheet 5 of 7 size	
				engr		N.Sasame 2019-02-25		Amphenol FCI		10145426		A4	
				chr		H.Suzuki 2019-02-25				type		Product Customer Drawing	
				appd		Y.Kameda 2019-02-25							
sheet index		revision sheet										Rev. B	

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

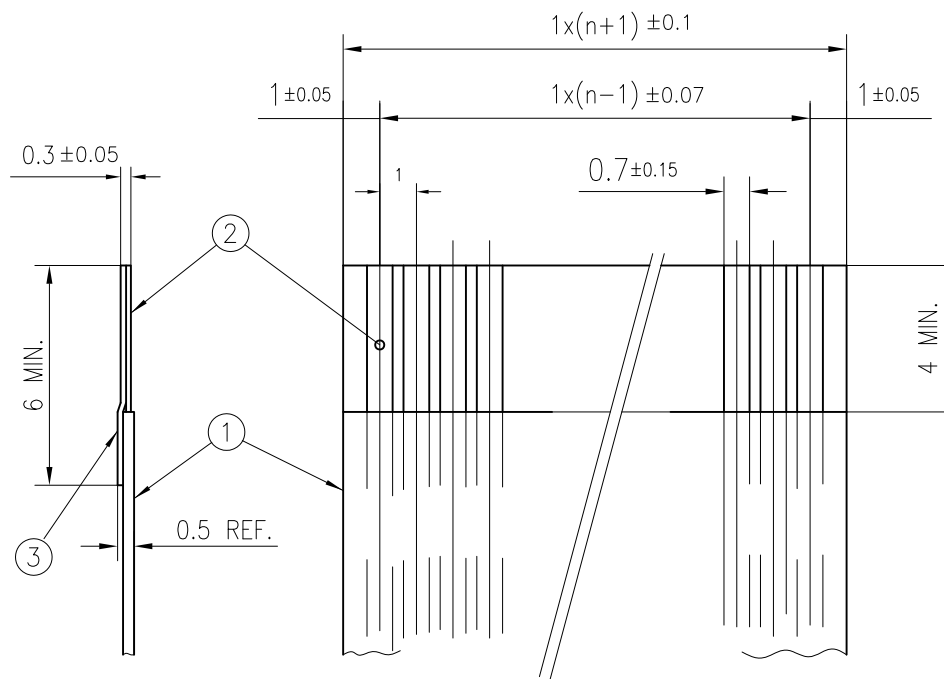
NOTES

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	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-4ST__)	
A		N.S	2017-09-08	angles	linear			
B	ELX-J-32761	N.S	2019-02-25	0°±x'		mm	dwg no 10145426	
				dr	N.Sasame	2019-02-25		
				engr	N.Sasame	2019-02-25	sheet 6 of 7 size A4	
				chr	H.Suzuki	2019-02-25		
				appd	Y.Kameda	2019-02-25	type Product Customer Drawing	
sheet index	revision sheet							
							Rev. B	

RECOMMENDED CABLE (FFC)

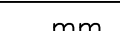
n : NO. OF CONDUCTOR



PT. NO.	DESCRIPTION	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT	
2	CONDUCTOR	COPPER FOIL	PLATING: TIN OR SOLDER 1 ^{mm} 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		tolerance ISO 406 ISO 1101		projection 		product family 580F						CODE JP			
ltr	ecn no	dr	date	tolerances unless otherwise specified						 mm 	title RECOMMENDED CABLE (CAT.No.HFW__S-4ST__)								
A		N.S	2017-09-08	angles		linear		--											
B	ELX-J-32761	N.S	2019-02-25					--											
				0°±x'				--											
				dr		N.Sasame		2019-02-25				dwg no				sheet 7 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		