

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-2ST__HLF	7	5.14	3	—	—
	5	HFW5S-2ST__HLF	8	6.14	4	—	—
	6	HFW6S-2ST__HLF	9	7.14	5	—	—
	7	HFW7S-2ST__HLF	10	8.14	6	—	—
	8	HFW8S-2ST__HLF	11	9.14	7	—	—
	9	HFW9S-2ST__HLF	12	10.14	8	0.35	7.3
	10	HFW10S-2ST__HLF	13	11.14	9	0.35	8.3
	11	HFW11S-2ST__HLF	14	12.14	10	1.35	7.3
	12	HFW12S-2ST__HLF	15	13.14	11	1.35	8.3
	13	HFW13S-2ST__HLF	16	14.14	12	2.35	7.3
	14	HFW14S-2ST__HLF	17	15.14	13	2.35	8.3
	15	HFW15S-2ST__HLF	18	16.14	14	3.35	7.3
	16	HFW16S-2ST__HLF	19	17.14	15	3.35	8.3
	17	HFW17S-2ST__HLF	20	18.14	16	4.35	7.3
	18	HFW18S-2ST__HLF	21	19.14	17	4.35	8.3
	19	HFW19S-2ST__HLF	22	20.14	18	5.35	7.3
	20	HFW20S-2ST__HLF	23	21.14	19	5.35	8.3
	21	HFW21S-2ST__HLF	24	22.14	20	6.35	7.3
	22	HFW22S-2ST__HLF	25	23.14	21	6.35	8.3
	23	HFW23S-2ST__HLF	26	24.14	22	7.35	7.3
	24	HFW24S-2ST__HLF	27	25.14	23	7.35	8.3
	25	HFW25S-2ST__HLF	28	26.14	24	8.35	7.3
	26	HFW26S-2ST__HLF	29	27.14	25	8.35	8.3
	27	HFW27S-2ST__HLF	30	28.14	26	9.35	7.3
	28	HFW28S-2ST__HLF	31	29.14	27	9.35	8.3
	29	HFW29S-2ST__HLF	32	30.14	28	10.35	7.3
	30	HFW30S-2ST__HLF	33	31.14	29	10.35	8.3
*	31	HFW31S-2ST__HLF	34	32.14	30	11.35	7.3
	32	HFW32S-2ST__HLF	35	33.14	31	11.35	8.3
*	33	HFW33S-2ST__HLF	36	34.14	32	12.35	7.3

CAT. NO.

HFW (n) S-2 ST __ H LF

SERIES

NO. OF CONTACTS

STRAIGHT TYPE

FOR FPC / FFC

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

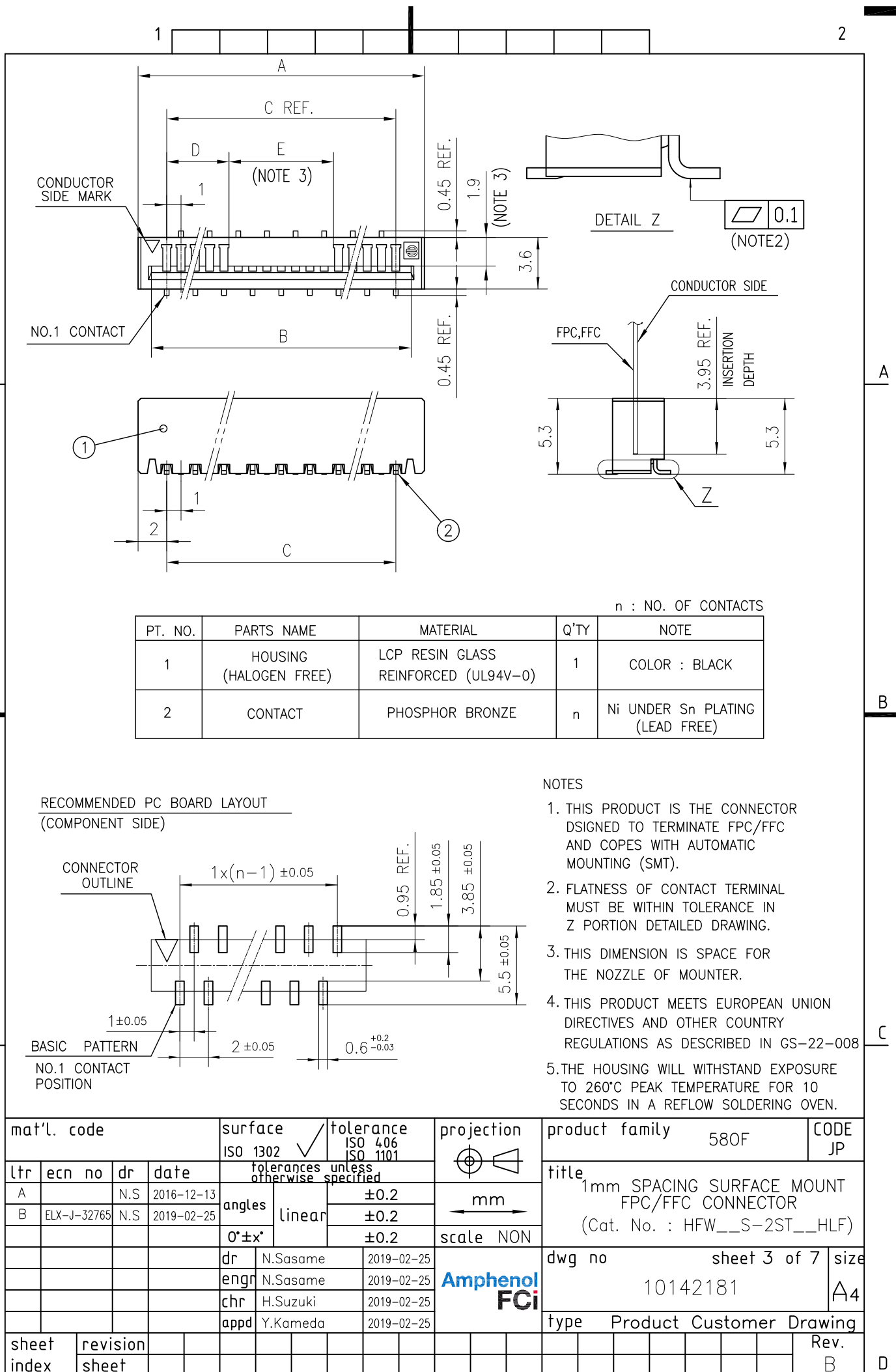
HALOGEN FREE

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-2ST__HLF)	
A		N.S	2016-12-13	angles	linear			
B	ELX-J-32765	N.S	2019-02-25	0°±x'		scale NON	dwg no sheet 2 of 7 size 10142181 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							



CAT. NO. & DIMENSIONS

(NOTE.4)	NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
			F ± 5	G ± 0.3	H ± 0.1
	4	HFW4S-2STE1HLF	28.4	24	—
	5	HFW5S-2STE1HLF	28.4	24	—
	6	HFW6S-2STE1HLF	28.4	24	—
	7	HFW7S-2STE1HLF	28.4	24	—
	8	HFW8S-2STE1HLF	28.4	24	—
	9	HFW9S-2STE1HLF	28.4	24	—
	10	HFW10S-2STE1HLF	28.4	24	—
	11	HFW11S-2STE1HLF	28.4	24	—
	12	HFW12S-2STE1HLF	28.4	24	—
	13	HFW13S-2STE1HLF	28.4	24	—
	14	HFW14S-2STE1HLF	36.4	32	28.4
	15	HFW15S-2STE1HLF	36.4	32	28.4
	16	HFW16S-2STE1HLF	36.4	32	28.4
	17	HFW17S-2STE1HLF	36.4	32	28.4
	18	HFW18S-2STE1HLF	48.4	44	40.4
	19	HFW19S-2STE1HLF	48.4	44	40.4
	20	HFW20S-2STE1HLF	48.4	44	40.4
	21	HFW21S-2STE1HLF	48.4	44	40.4
	22	HFW22S-2STE1HLF	48.4	44	40.4
	23	HFW23S-2STE1HLF	48.4	44	40.4
	24	HFW24S-2STE1HLF	48.4	44	40.4
	25	HFW25S-2STE1HLF	48.4	44	40.4
	26	HFW26S-2STE1HLF	48.4	44	40.4
	27	HFW27S-2STE1HLF	48.4	44	40.4
	28	HFW28S-2STE1HLF	48.4	44	40.4
	29	HFW29S-2STE1HLF	60.4	56	52.4
	30	HFW30S-2STE1HLF	60.4	56	52.4
*	31	HFW31S-2STE1HLF	60.4	56	52.4
	32	HFW32S-2STE1HLF	60.4	56	52.4
*	33	HFW33S-2STE1HLF	60.4	56	52.4

CAT. NO.

HFW (n) S - 2 ST E1 H LF

SERIES

NO. OF CONTACTS

STRAIGHT TYPE

FOR FPC / FFC

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

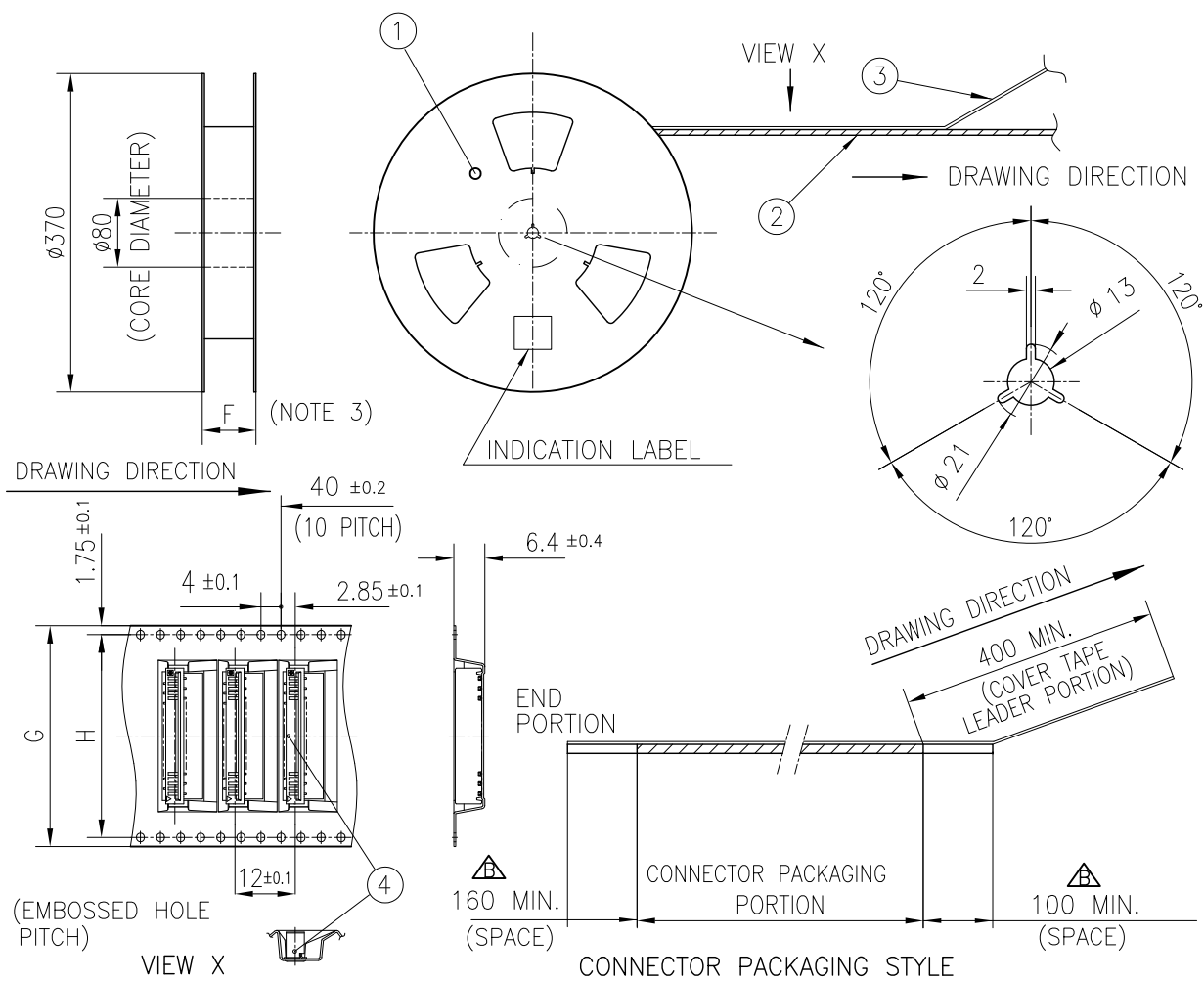
H: HALOGEN FREE

LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE 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						title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (CAT.No.HFW__S-2STE1HLF)						
A		N.S	2016-12-13													
B	ELX-J-32765	N.S	2019-02-25	angles	linear			mm								
				0°±x'				scale NON								
				dr	N.Sasame	2019-02-25				dwg no				sheet 4 of 7		size A4
				engr	N.Sasame	2019-02-25				10142181						
				chr	H.Suzuki	2019-02-25										
				appd	Y.Kameda	2019-02-25										
sheet index		revision sheet														Rev. B



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-2ST__HLF	SEE ATTACHED DWG.	1000	_____

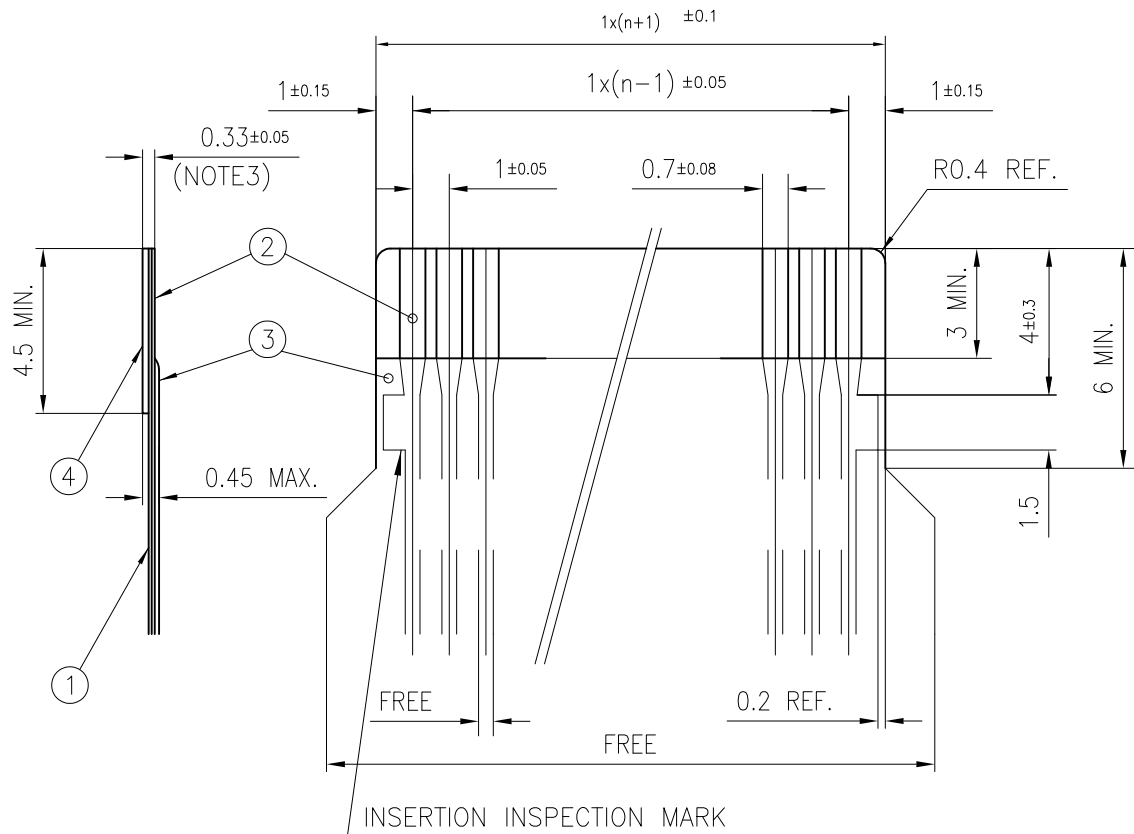
NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES 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	tolerances unless otherwise specified		mm	title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. : HFW__S-2STE1HLF)		
A		N.S	2016-12-13	angles	linear				
B	ELX-J-32765	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 5 of 7		
sheet index		revision	sheet				type		
							Product Customer Drawing		
							Rev.		
							B		

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



PT. NO.	DISCRIPTION	MATERIAL	THICKNESS (°m)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUIVALENT	25
2	CONDUCTOR	COPPER FOIL(PLATING : SOLDER 1°m MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUIVALENT	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUIVALENT	188

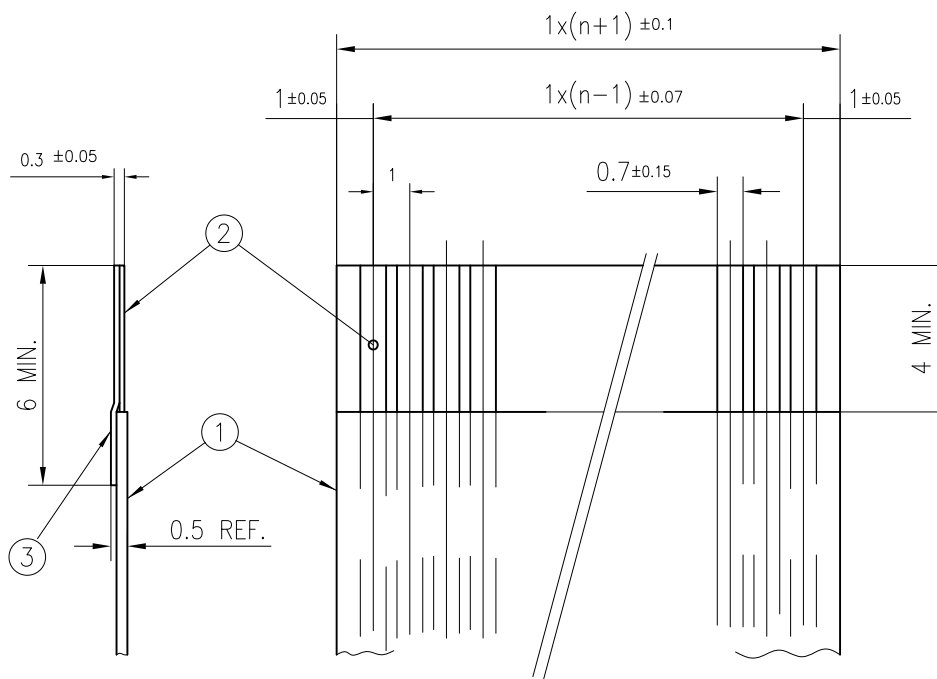
NOTES

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 mm		product family 580F		CODE JP	
ltr				ecn no		dr		date		title			
A						N.S.		2016-12-13		RECOMMENDED CABLE			
B				ELX-J-32765		N.S.		2019-02-25		(CAT.No.HFW__S-2ST__)			
										scale NON			
				dr		N.Sasame		2019-02-25		dwg no		sheet 6 of 7 size	
				engr		N.Sasame		2019-02-25		10142181		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 (FFC)

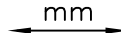
n : NO. OF CONDUCTOR



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							title RECOMMENDED CABLE (CAT.No.HFW__S-2ST__)									
A			N.S	2016-12-13		angles		linear		--												
B	ELX-J-32765		N.S	2019-02-25						--												
						0°±x'				--												
										scale NON			dwg no 10142181							sheet 7 of 7 size A4		
						dr		N.Sasame		2019-02-25												
						engr		N.Sasame		2019-02-25												
						chr		H.Suzuki		2019-02-25												
						appd		Y.Kameda		2019-02-25												
sheet index		revision sheet																	Rev. B			