

List of "SFW__R-1/2STE1HLF" customer document

DOCUMENT NO.		LIST	
GS-12-682		SPEC.	
10116434	Sheet2	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-1/2ST__HLF)	
10116434	Sheet3	1mm SPACING SMT CONNECTOR (SFW__R-1ST__HLF)	
10116434	Sheet4	1mm SPACING SMT CONNECTOR (SFW__R-2ST__HLF)	
10116434	Sheet5	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1/2STE1HLF)	
10116434	Sheet6	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1STE1HLF)	
10116434	Sheet7	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-2STE1HLF)	
10116434	Sheet8	RECOMMENDED CABLE (FPC) (SFW__R-1/2ST__)	
10116434	Sheet9	RECOMMENDED CABLE (FFC) (SFW__R-1/2ST__)	
GS-20-129		HANDLING PROCEDURES	

mat'l. code				surface			tolerance		projection		product family		
-				ISO 1302			ISO 406		ISO 1101		58RF		
ltr	ecn no	dr	date	tolerances unless otherwise specified									
A	J10-0337	S.W	2010-11-19	angles	linear					MM			
B	ELX-J-32971	S.W	2019-3-20										
				dr	S.WATANABE	2019-3-20		scale N/A					
				engr	S.WATANABE	2019-3-20							
				chr	S-H.THIO	2019-3-20							
				appd	Y.KAMEDA	2019-3-20							
sheet index	revision	B	B	B	B	B	B	B	B				
	sheet	1	2	3	4	5	6	7	8				

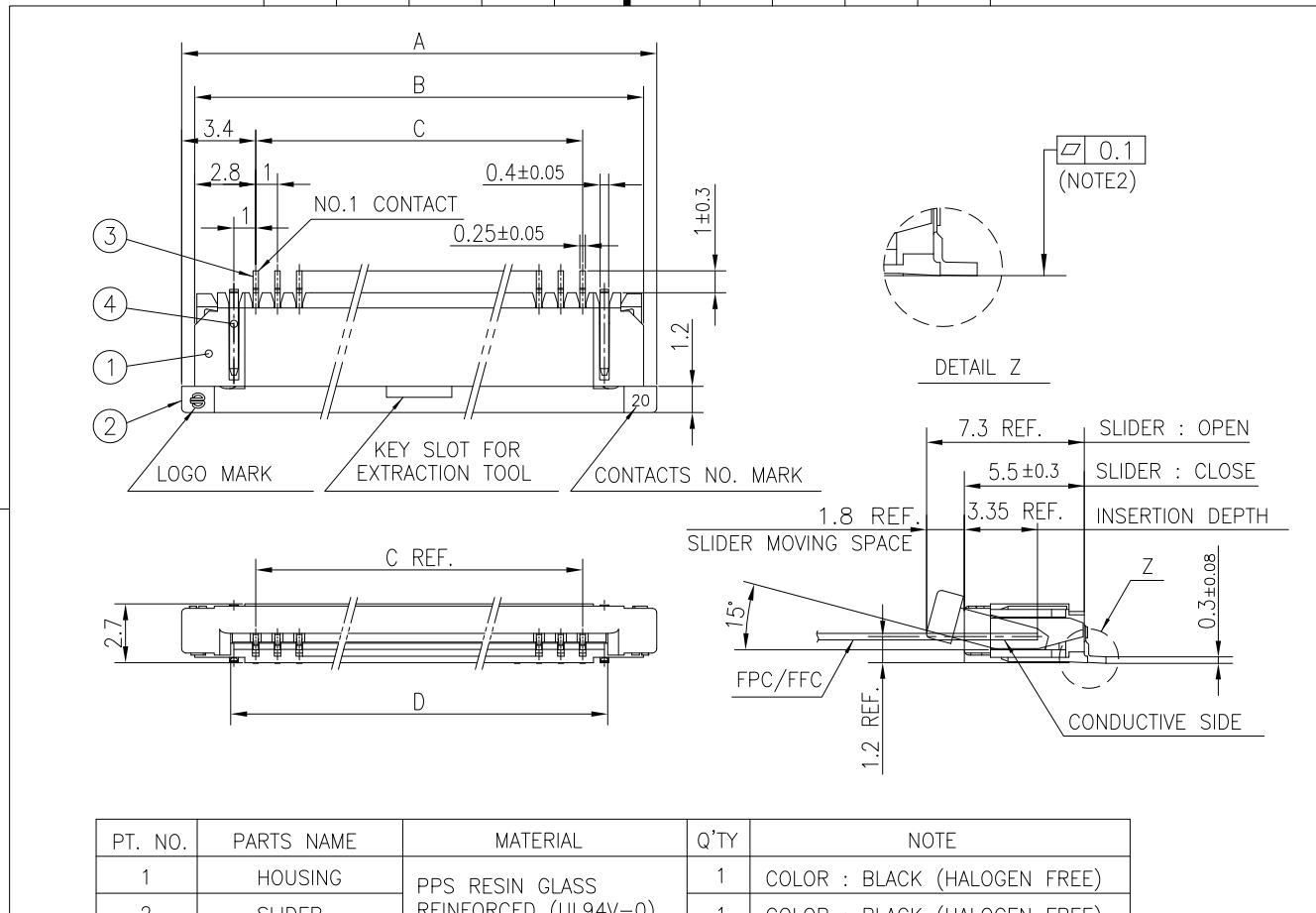
CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.2	D ± 0.1
4	SFW4R-1/2ST__HLF	9.8	8.6	3.0	5.3
5	SFW5R-1/2ST__HLF	10.8	9.6	4.0	6.3
6	SFW6R-1/2ST__HLF	11.8	10.6	5.0	7.3
7	SFW7R-1/2ST__HLF	12.8	11.6	6.0	8.3
8	SFW8R-1/2ST__HLF	13.8	12.6	7.0	9.3
9	SFW9R-1/2ST__HLF	14.8	13.6	8.0	10.3
10	SFW10R-1/2ST__HLF	15.8	14.6	9.0	11.3
11	SFW11R-1/2ST__HLF	16.8	15.6	10.0	12.3
12	SFW12R-1/2ST__HLF	17.8	16.6	11.0	13.3
13	SFW13R-1/2ST__HLF	18.8	17.6	12.0	14.3
14	SFW14R-1/2ST__HLF	19.8	18.6	13.0	15.3
15	SFW15R-1/2ST__HLF	20.8	19.6	14.0	16.3
16	SFW16R-1/2ST__HLF	21.8	20.6	15.0	17.3
17	SFW17R-1/2ST__HLF	22.8	21.6	16.0	18.3
18	SFW18R-1/2ST__HLF	23.8	22.6	17.0	19.3
19	SFW19R-1/2ST__HLF	24.8	23.6	18.0	20.3
20	SFW20R-1/2ST__HLF	25.8	24.6	19.0	21.3
21	SFW21R-1/2ST__HLF	26.8	25.6	20.0	22.3
22	SFW22R-1/2ST__HLF	27.8	26.6	21.0	23.3
23	SFW23R-1/2ST__HLF	28.8	27.6	22.0	24.3
24	SFW24R-1/2ST__HLF	29.8	28.6	23.0	25.3
25	SFW25R-1/2ST__HLF	30.8	29.6	24.0	26.3
26	SFW26R-1/2ST__HLF	31.8	30.6	25.0	27.3
27	SFW27R-1/2ST__HLF	32.8	31.6	26.0	28.3
28	SFW28R-1/2ST__HLF	33.8	32.6	27.0	29.3
29	SFW29R-1/2ST__HLF	34.8	33.6	28.0	30.3
30	SFW30R-1/2ST__HLF	35.8	34.6	29.0	31.3

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

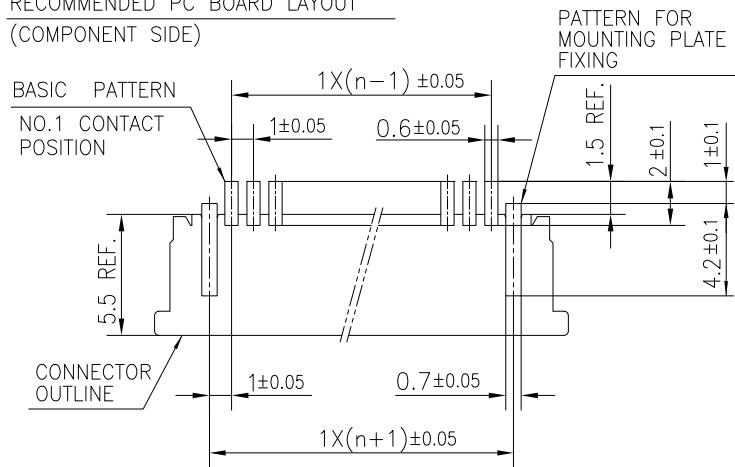
mat'l. code		surface		tolerance		projection	product family
ltr	ecn no	dr	date	ISO 1302	✓	ISO 406 ISO 1101	58RF
				tolerances unless otherwise specified			
B				angles			
					linear		
						scale N/A	
		dr	S.WATANABE	2019-3-20		MM	
		engr	S.WATANABE	2019-3-20			
		chr	S-H.THIO	2019-3-20			
		appd	Y.KAMEDA	2019-3-20			
sheet		revision				dwg no	sheet 2 of 9
index		sheet				10116434	size A4
Amphenol FCi							
type Product Customer Drawing							



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

n : NO. OF CONTACTS

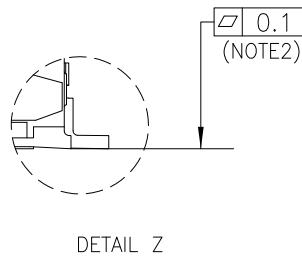
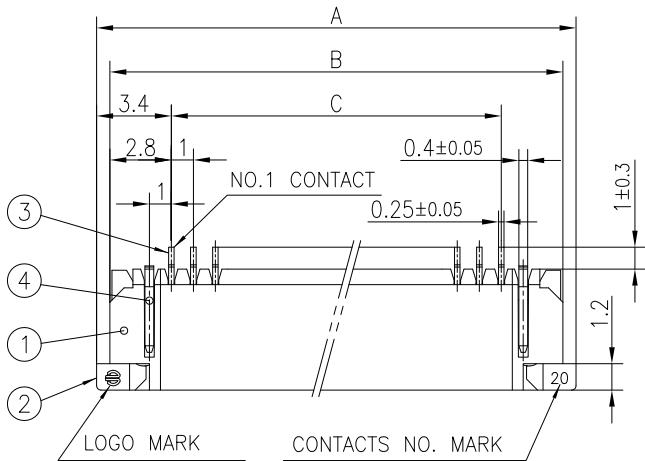
RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



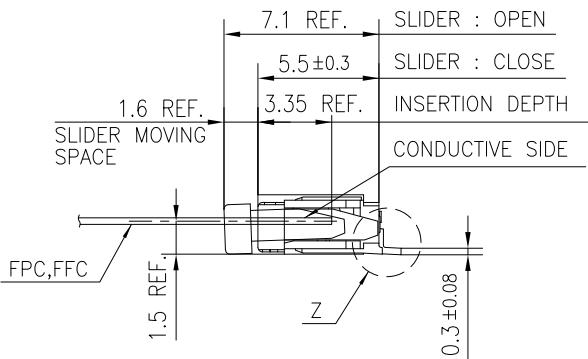
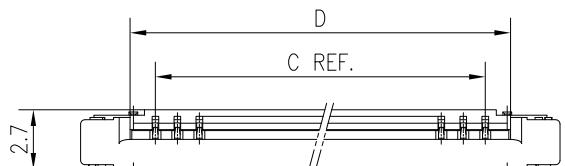
NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL 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.

mat'l. code				surface	tolerance	projection	product family	58RF
ltr	ecn no	dr	date	ISO 1302	✓ ISO 406 ISO 1101		title	1mm SPACING SMT CONNECTOR
				angles	linear	±0.2		(Cat. No. SFW__R-1ST__HLF)
							scale	N/A
		dr	S.WATANABE	2019-3-20			dwg no	sheet 3 of 9
		engr	S.WATANABE	2019-3-20				10116434
		chr	S-H.THIO	2019-3-20			size	A4
		appd	Y.KAMEDA	2019-3-20			type	Product Customer Drawing
sheet		revision						
index		sheet						



A



A

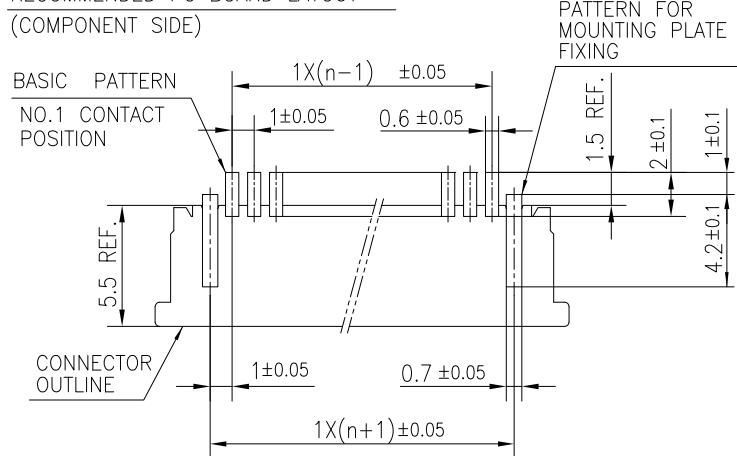
B

B

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

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL 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.

Amphenol
FCi

2016 AFCL

mat'l. code		surface		tolerance		projection	product family	58RF
ltr	ecn no	dr	date	ISO 1302	✓	ISO 406 ISO 1101		
				angles	linear	±0.2	MM	
							scale N/A	
		dr	S.WATANABE	2019-3-20				
		engr	S.WATANABE	2019-3-20				
		chr	S-H.THIO	2019-3-20				
		appd	Y.KAMEDA	2019-3-20				
sheet		revision						
index	sheet							

Amphenol
FCi

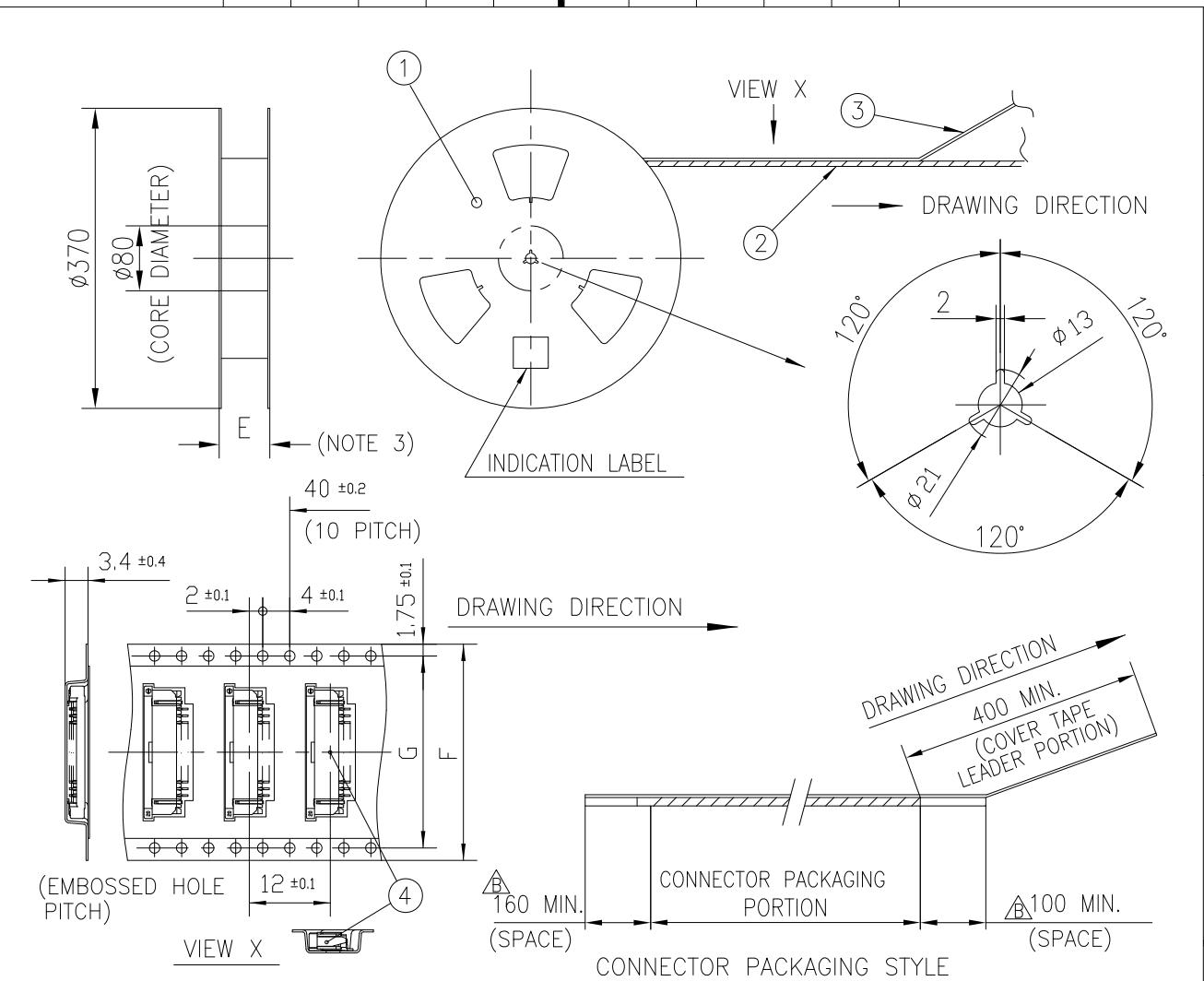
CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-1/2STE1HLF	20.4	16	—
5	SFW5R-1/2STE1HLF	28.4	24	—
6	SFW6R-1/2STE1HLF	28.4	24	—
7	SFW7R-1/2STE1HLF	28.4	24	—
8	SFW8R-1/2STE1HLF	28.4	24	—
9	SFW9R-1/2STE1HLF	28.4	24	—
10	SFW10R-1/2STE1HLF	28.4	24	—
11	SFW11R-1/2STE1HLF	28.4	24	—
12	SFW12R-1/2STE1HLF	28.4	24	—
13	SFW13R-1/2STE1HLF	36.4	32	28.4
14	SFW14R-1/2STE1HLF	36.4	32	28.4
15	SFW15R-1/2STE1HLF	36.4	32	28.4
16	SFW16R-1/2STE1HLF	36.4	32	28.4
17	SFW17R-1/2STE1HLF	48.4	44	40.4
18	SFW18R-1/2STE1HLF	48.4	44	40.4
19	SFW19R-1/2STE1HLF	48.4	44	40.4
20	SFW20R-1/2STE1HLF	48.4	44	40.4
21	SFW21R-1/2STE1HLF	48.4	44	40.4
22	SFW22R-1/2STE1HLF	48.4	44	40.4
23	SFW23R-1/2STE1HLF	48.4	44	40.4
24	SFW24R-1/2STE1HLF	48.4	44	40.4
25	SFW25R-1/2STE1HLF	48.4	44	40.4
26	SFW26R-1/2STE1HLF	48.4	44	40.4
27	SFW27R-1/2STE1HLF	48.4	44	40.4
28	SFW28R-1/2STE1HLF	60.4	56	52.4
29	SFW29R-1/2STE1HLF	60.4	56	52.4
30	SFW30R-1/2STE1HLF	60.4	56	52.4

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPIES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.

mat'l. code		surface		tolerance		projection	product family	58RF
—		ISO 1302		✓ ISO 406 ISO 1101				
ltr	ecn no	dr	date	tolerances unless otherwise specified				
B				angles	linear			
						MM		
						scale N/A		
		dr	S.WATANABE	2019-3-20				
		engr	S.WATANABE	2019-3-20				
		chr	S-H.THIO	2019-3-20				
		appd	Y.KAMEDA	2019-3-20				
sheet index	revision sheet						dwg no	sheet 5 of 9
							10116434	A4
Amphenol		FCi		type Product Customer Drawing				

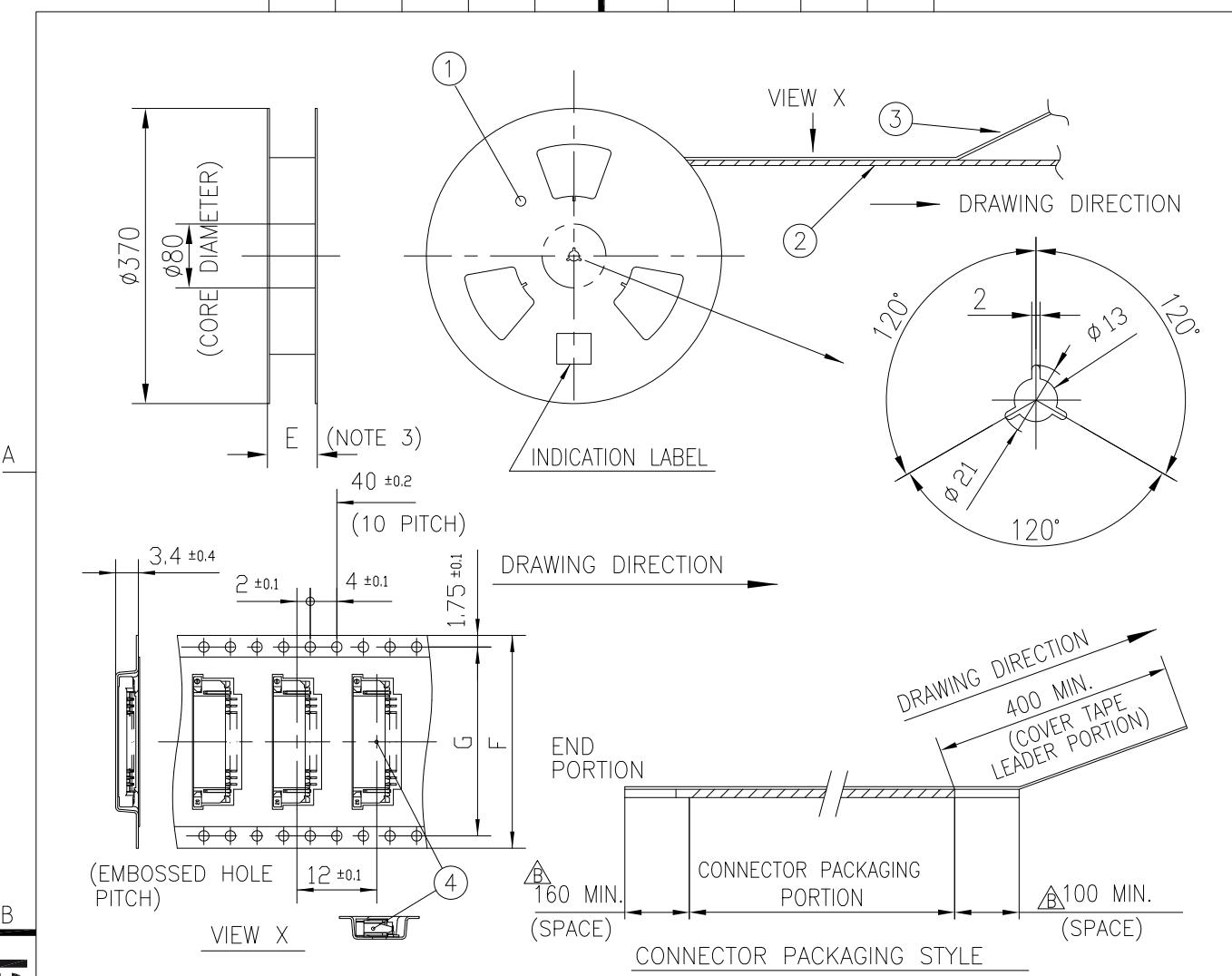


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	PS or A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER, POLYETHYLENE	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFW__R-1ST__HLF	SEE SHEET 3	2000	LOWER CONTACT TYPE

NOTES

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

mat'l. code —				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection	product family 58RF	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STE1HLF)	
B				angles linear	±5	MM			
					scale N/A		dwg no 10116434	sheet 6 of 9	
				dr	S.WATANABE	2019-3-20		size A4	
				engr	S.WATANABE	2019-3-20			
				chr	S-H.THIO	2019-3-20			
				appd	Y.KAMEDA	2019-3-20	type Product Customer Drawing		
sheet index	revision								
	sheet								



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	△ PS or A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	△ POLYESTER, POLYETHYLENE	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFW_R-2ST_HLF	SEE SHEET 4	2000	UPPER CONTACT TYPE

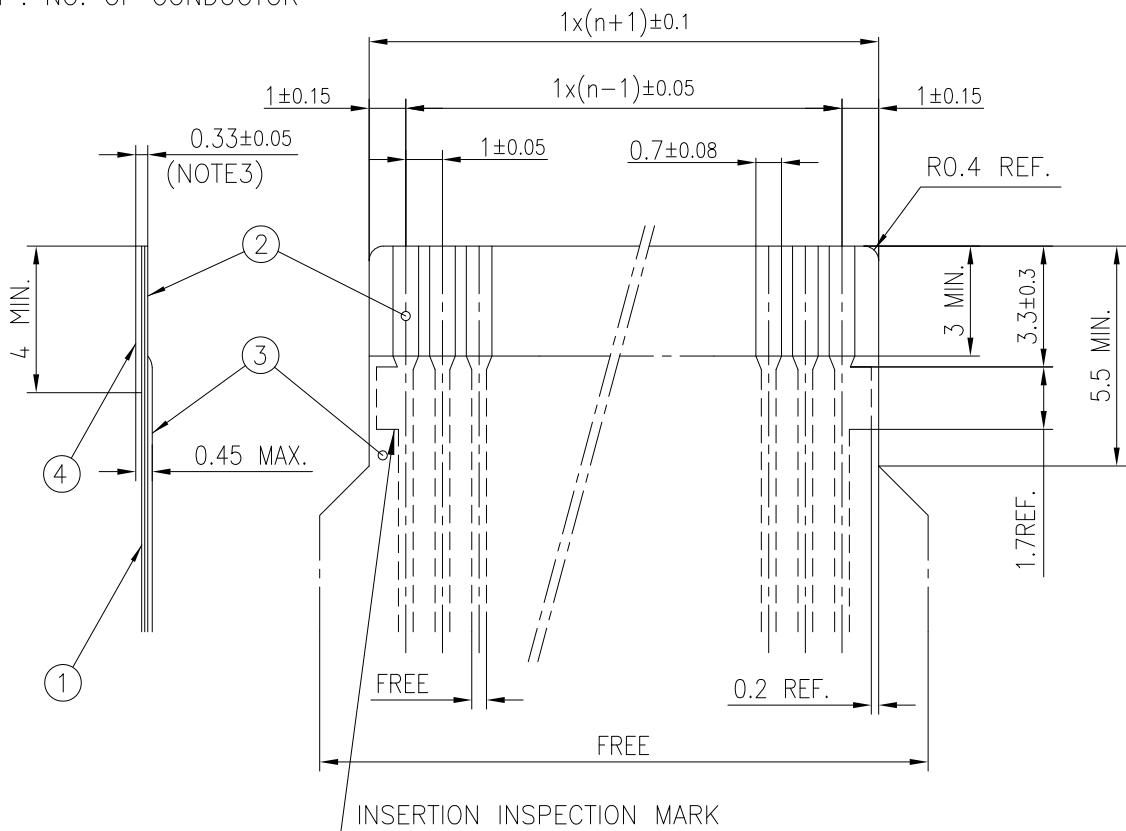
NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPIES 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 (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.

mat'l. code —				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family	58RF
ltr ecn no dr date				tolerances unless otherwise specified			title	
B				angles	linear	±5	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW_R-2STE1HLF)	
						MM		
						scale N/A		
				dr	S.WATANABE	2019-3-20	dwg no	sheet 7 of 9
				engr	S.WATANABE	2019-3-20	Amphenol FCi	size
				chr	S-H.THIO	2019-3-20		A4
				appd	Y.KAMEDA	2019-3-20		type
								Product Customer Drawing
sheet index	revision							
	sheet							

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL (PLATING: TIN OR SOLDER 1um MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

NOTES 1. NO BURR AT EACH PORTION.

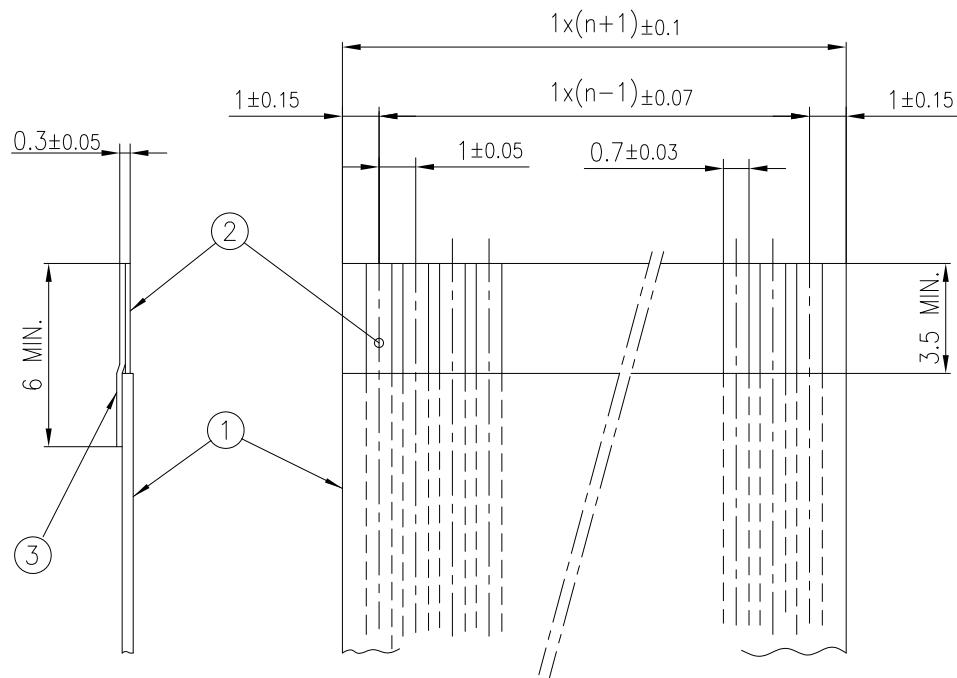
2. NO PEELING IN COMMON USE.

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 58RF
ltr	ecn no	dr	date	tolerances unless otherwise specified			
B				angles	linear		
						MM	
						scale N/A	
				dr	S.WATANABE	2019-3-20	dwg no 10116434
				engr	S.WATANABE	2019-3-20	sheet 8 of 9
				chr	S-H.THIO	2019-3-20	size A4
				appd	Y.KAMEDA	2019-3-20	Amphenol FCi
sheet index		revision sheet					type Product Customer Drawing

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTOR



PT. NO.	PARTS NAME	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	
2	CONDUCTOR	COPPER FOIL	PLATING:TIN OR SOLDER 1um MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL	

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 58RF
ltr	ecn no	dr	date	tolerances unless otherwise specified			
B				angles	linear		
						MM	
						scale N/A	
				dr	S.WATANABE	2019-3-20	dwg no 10116434
				engr	S.WATANABE	2019-3-20	sheet 9 of 9
				chr	S-H.THIO	2019-3-20	size A4
				appd	Y.KAMEDA	2019-3-20	
sheet		revision					
index		sheet					

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

[SFW11R-2STE1HLF](#) [SFW10R-2STE1HLF](#)