

mat'l. code				surface				tolerance				projection				product family															
—				ISO 1302				ISO 406 ISO 1101								58RF															
ltr		ecn no		dr		date		tolerances unless otherwise specified								title															
A		J11-0050		S.W		2011-2-17		angles				linear				1mm SPACING FPC															
B		ELX-J-32994		S.W		2019-3-25		linear				linear				CONNECTOR DOCUMENT LIST															
																(Cat. No. : SFW__R-3/4STE9LF)															
																scale N/A															
								dr				S.WATANABE				2019-3-25				dwg no				sheet 1 of 8				size			
								enrg				S.WATANABE				2019-3-25				Amphenol FCi				10117478				A4			
								chr				S-H.THIO				2019-3-25															
								appd				Y.KAMEDA				2019-3-25															
sheet index		revision sheet		B 1		B 2		B 3		B 4		B 5		B 6		B 7		B 8													

List of "SFW__R-3/4STE9LF" customer document

DOCUMENT NO.	LIST
SC-SFW11	SPEC.
10117478 Sheet2	CAT.NO.TABLE FOR 1mm CONTACT SPACING SMT CONNECTOR (SFW__R-3/4ST__LF)
10117478 Sheet3	1mm SPACING SMT CONNECTOR (SFW__R-3ST__LF)
10117478 Sheet4	1mm SPACING SMT CONNECTOR (SFW__R-4ST__LF)
10117478 Sheet5	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STE9LF)
10117478 Sheet6	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STE9LF)
10117478 Sheet7	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STE9LF)
10117478 Sheet8	RECOMMENDED CABLE (FPC) (SFW__R-3/4ST__)
GS-20-130	HANDLING PROCEDURES

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-3/4ST__LF	9.8	8.6	3.0	3.92
5	SFW5R-3/4ST__LF	10.8	9.6	4.0	4.92
6	SFW6R-3/4ST__LF	11.8	10.6	5.0	5.92
7	SFW7R-3/4ST__LF	12.8	11.6	6.0	6.92
8	SFW8R-3/4ST__LF	13.8	12.6	7.0	7.92
9	SFW9R-3/4ST__LF	14.8	13.6	8.0	8.92
10	SFW10R-3/4ST__LF	15.8	14.6	9.0	9.92
11	SFW11R-3/4ST__LF	16.8	15.6	10.0	10.92
12	SFW12R-3/4ST__LF	17.8	16.6	11.0	11.92
13	SFW13R-3/4ST__LF	18.8	17.6	12.0	12.92
14	SFW14R-3/4ST__LF	19.8	18.6	13.0	13.92
15	SFW15R-3/4ST__LF	20.8	19.6	14.0	14.92
16	SFW16R-3/4ST__LF	21.8	20.6	15.0	15.92
17	SFW17R-3/4ST__LF	22.8	21.6	16.0	16.92
18	SFW18R-3/4ST__LF	23.8	22.6	17.0	17.92
19	SFW19R-3/4ST__LF	24.8	23.6	18.0	18.92
20	SFW20R-3/4ST__LF	25.8	24.6	19.0	19.92
21	SFW21R-3/4ST__LF	26.8	25.6	20.0	20.92
22	SFW22R-3/4ST__LF	27.8	26.6	21.0	21.92
23	SFW23R-3/4ST__LF	28.8	27.6	22.0	22.92
24	SFW24R-3/4ST__LF	29.8	28.6	23.0	23.92
25	SFW25R-3/4ST__LF	30.8	29.6	24.0	24.92
26	SFW26R-3/4ST__LF	31.8	30.6	25.0	25.92
27	SFW27R-3/4ST__LF	32.8	31.6	26.0	26.92
28	SFW28R-3/4ST__LF	33.8	32.6	27.0	27.92
29	SFW29R-3/4ST__LF	34.8	33.6	28.0	28.92
30	SFW30R-3/4ST__LF	35.8	34.6	29.0	29.92

CAT. NO. SFW (n) R - 3 ST __ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3. LOWER CONTACT TYPE
4. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

LEAD FREE

NOTES

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

mat'l. code				surface	tolerance		projection	product family			
—				ISO 1302	ISO 406	ISO 1101		58RF			
ltr	ecn no	dr	date	tolerances unless otherwise specified				title			
B				angles	linear			CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4ST__LF)			
				dr	S.WATANABE	2019-3-25	Amphenol FCi	dwg no			
				engr	S.WATANABE	2019-3-25		sheet 2 of 8			
				chr	S-H.THIO	2019-3-25		10117478			
				appd	Y.KAMEDA	2019-3-25		type Product Customer Drawing			
sheet index	revision sheet										

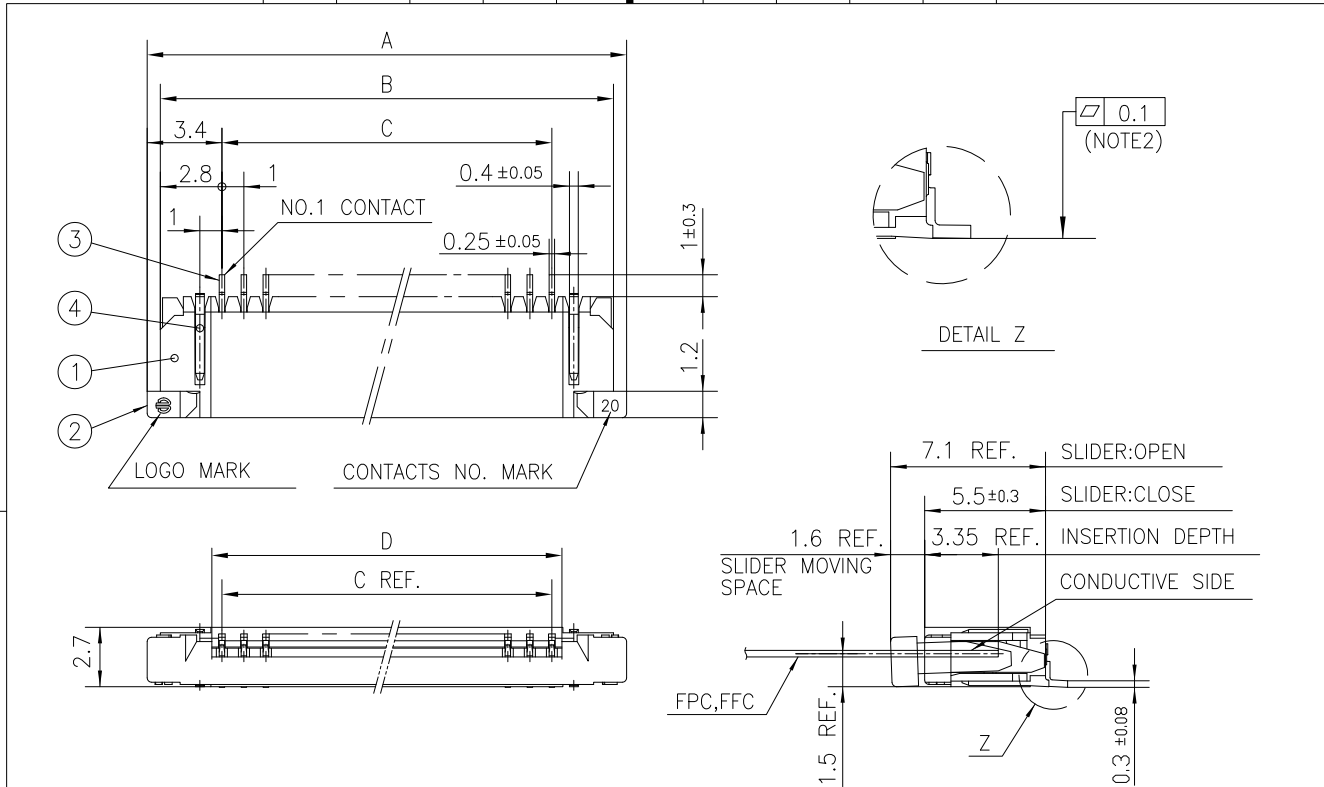
n : NO. OF CONTACTS

PATTERN FOR MOUNTING PLATE FIXING



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 WITH CABLE LOCK MECHANISM.
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.

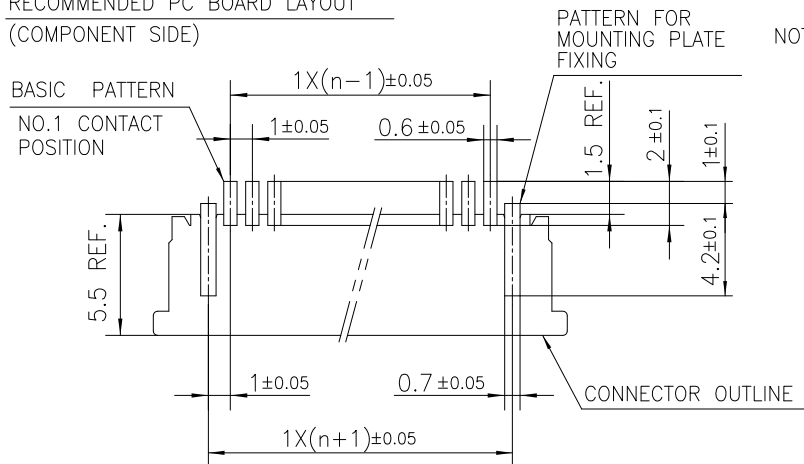
D



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER		1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : MATTE 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 WITH CABLE LOCK MECHANISM.
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 58RF																								
ltr		ecn no		dr		date		tolerances unless otherwise specified						title																							
B								angles		linear		±0.2				1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4ST__LF)																					
														scale																							
								dr		S.WATANABE		2019-3-25				dwg no					sheet 4 of 8					size											
								engr		S.WATANABE		2019-3-25				10117478										A4											
								chr		S-H.THIO		2019-3-25																									
								appd		Y.KAMEDA		2019-3-25																									
sheet index		revision sheet																																			

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E MAX.	F ± 0.3	G ± 0.1
4	SFW4R-3/4STE9LF	22.4	16	—
5	SFW5R-3/4STE9LF	30.4	24	—
6	SFW6R-3/4STE9LF	30.4	24	—
7	SFW7R-3/4STE9LF	30.4	24	—
8	SFW8R-3/4STE9LF	30.4	24	—
9	SFW9R-3/4STE9LF	30.4	24	—
10	SFW10R-3/4STE9LF	30.4	24	—
11	SFW11R-3/4STE9LF	30.4	24	—
12	SFW12R-3/4STE9LF	30.4	24	—
13	SFW13R-3/4STE9LF	38.4	32	28.4
14	SFW14R-3/4STE9LF	38.4	32	28.4
15	SFW15R-3/4STE9LF	38.4	32	28.4
16	SFW16R-3/4STE9LF	38.4	32	28.4
17	SFW17R-3/4STE9LF	50.4	44	40.4
18	SFW18R-3/4STE9LF	50.4	44	40.4
19	SFW19R-3/4STE9LF	50.4	44	40.4
20	SFW20R-3/4STE9LF	50.4	44	40.4
21	SFW21R-3/4STE9LF	50.4	44	40.4
22	SFW22R-3/4STE9LF	50.4	44	40.4
23	SFW23R-3/4STE9LF	50.4	44	40.4
24	SFW24R-3/4STE9LF	50.4	44	40.4
25	SFW25R-3/4STE9LF	50.4	44	40.4
26	SFW26R-3/4STE9LF	50.4	44	40.4
27	SFW27R-3/4STE9LF	50.4	44	40.4
28	SFW28R-3/4STE9LF	62.4	56	52.4
29	SFW29R-3/4STE9LF	62.4	56	52.4
30	SFW30R-3/4STE9LF	62.4	56	52.4

CAT. NO.

SFW (n) R - 3 ST E9 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3. LOWER CONTACT TYPE

4. UPPER CONTACT TYPE

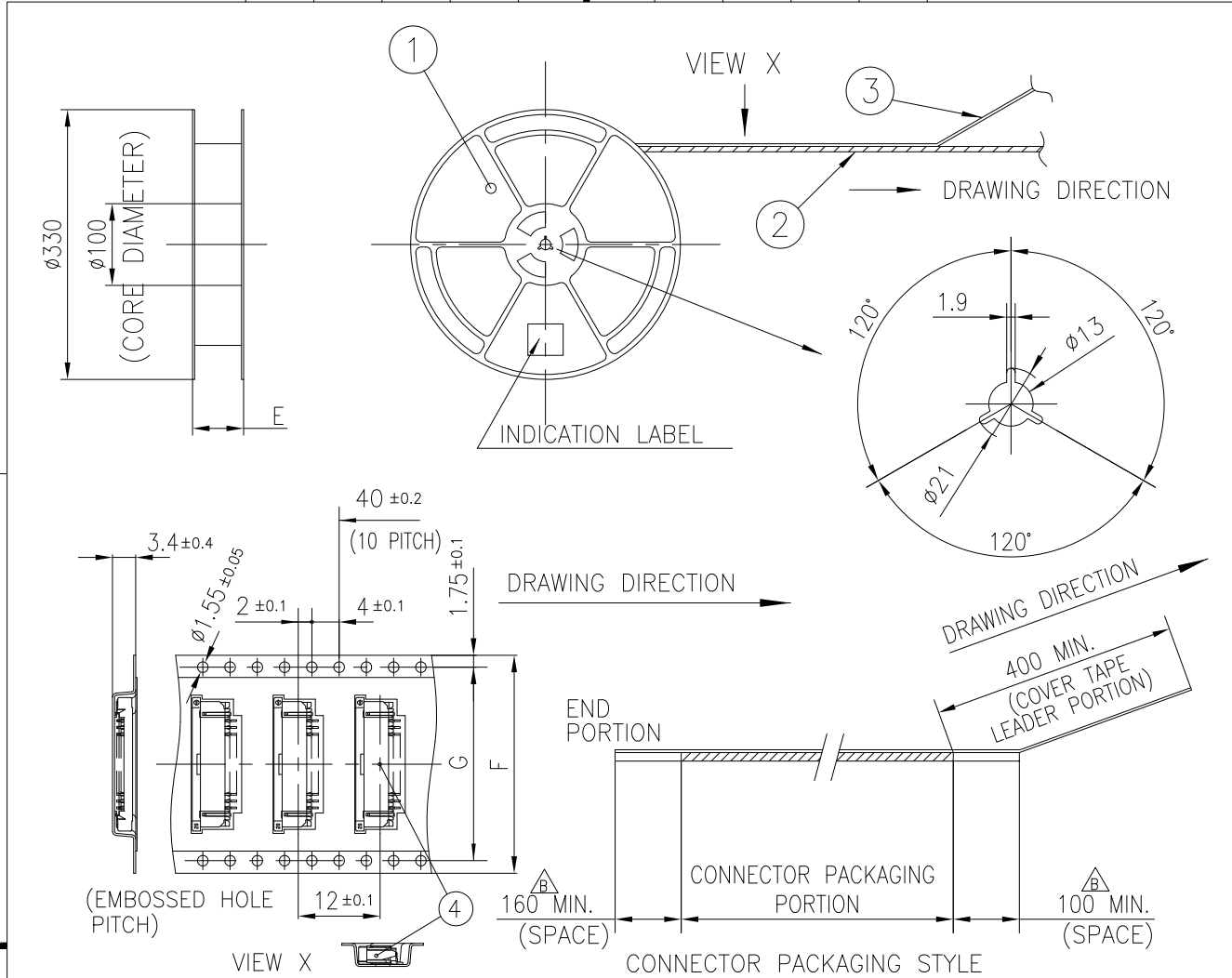
FOR AUTOMATIC MOUNTING
(SMT)TAPE PACKAGING FOR E9
(500pcs PER REEL)

LEAD FREE

NOTES

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

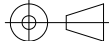
mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family													
—				ISO 1302		ISO 406 ISO 1101				58RF													
ltr	ecn no	dr	date	tolerances unless otherwise specified								title											
B				angles		linear		MM		CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STE9LF)													
								scale N/A		dwg no													
				dr	S.WATANABE	2019-3-25				sheet 5 of 8													
				engr	S.WATANABE	2019-3-25				10117478													
				chr	S-H.THIO	2019-3-25				A4													
				appd	Y.KAMEDA	2019-3-25																	
sheet index		revision sheet																					

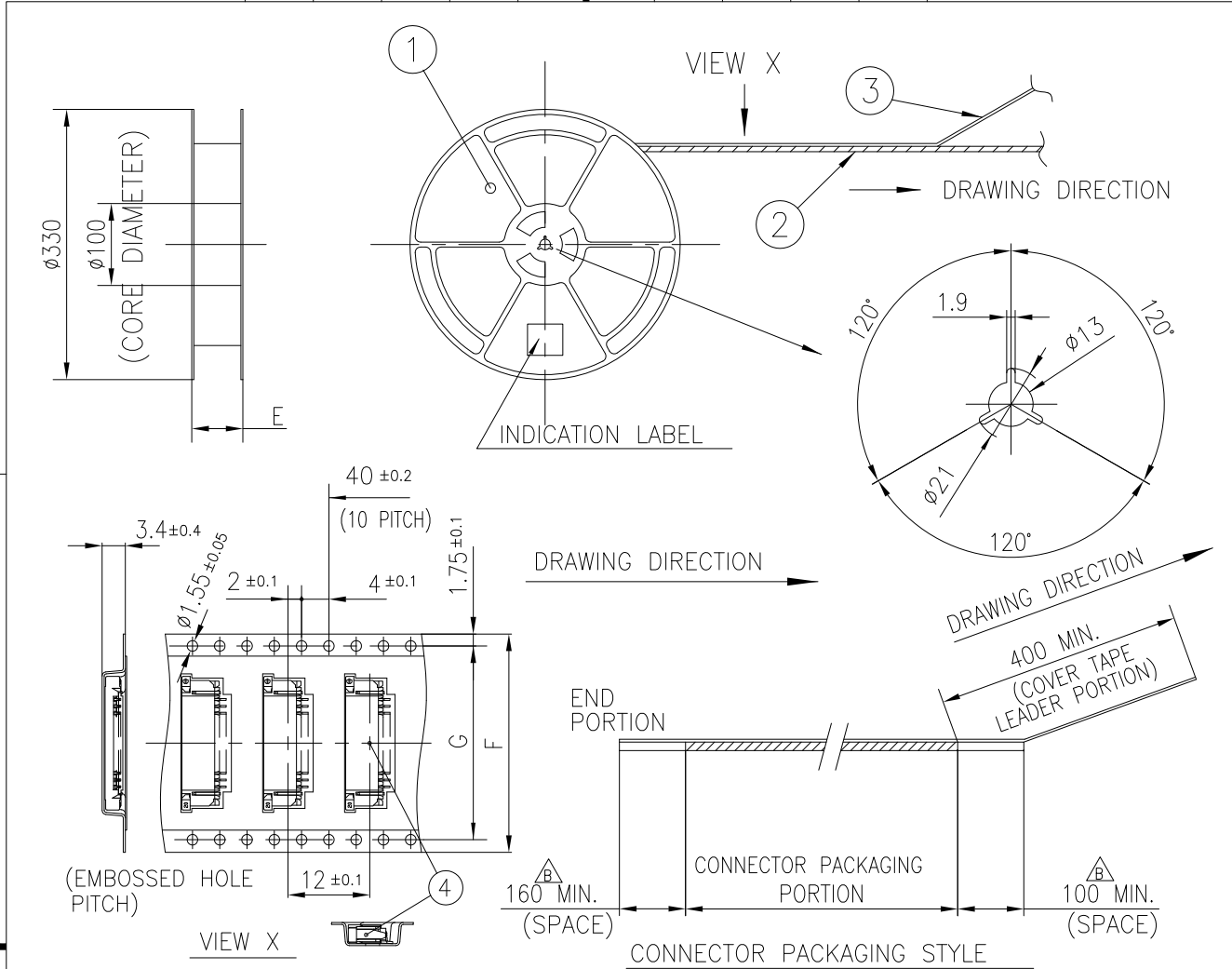


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSS) TAPE	_____	△ PS or A-PET	—	COLOR:TRANSPARENCY
3	COVER	_____	△ POLYESTER,POLYETHYLENE	—	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-3ST__LF	SEE SHEET 3	500	LOWER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM 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.

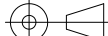
mat'l. code —				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58RF																		
ltr	ecn no	dr	date	tolerances unless		otherwise specified			title PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3STE9LF)																			
B				angles	linear	±5	scale N/A		dwg no sheet 6 of 8 size 10117478 A4																			
				±5°																type Product Customer Drawing								
				dr	S.WATANABE	2019-3-25	Amphenol FCi																					
				engr	S.WATANABE	2019-3-25																						
				chr	S-H.THIO	2019-3-25																						
				appd	Y.KAMEDA	2019-3-25																						
sheet index	revision																											
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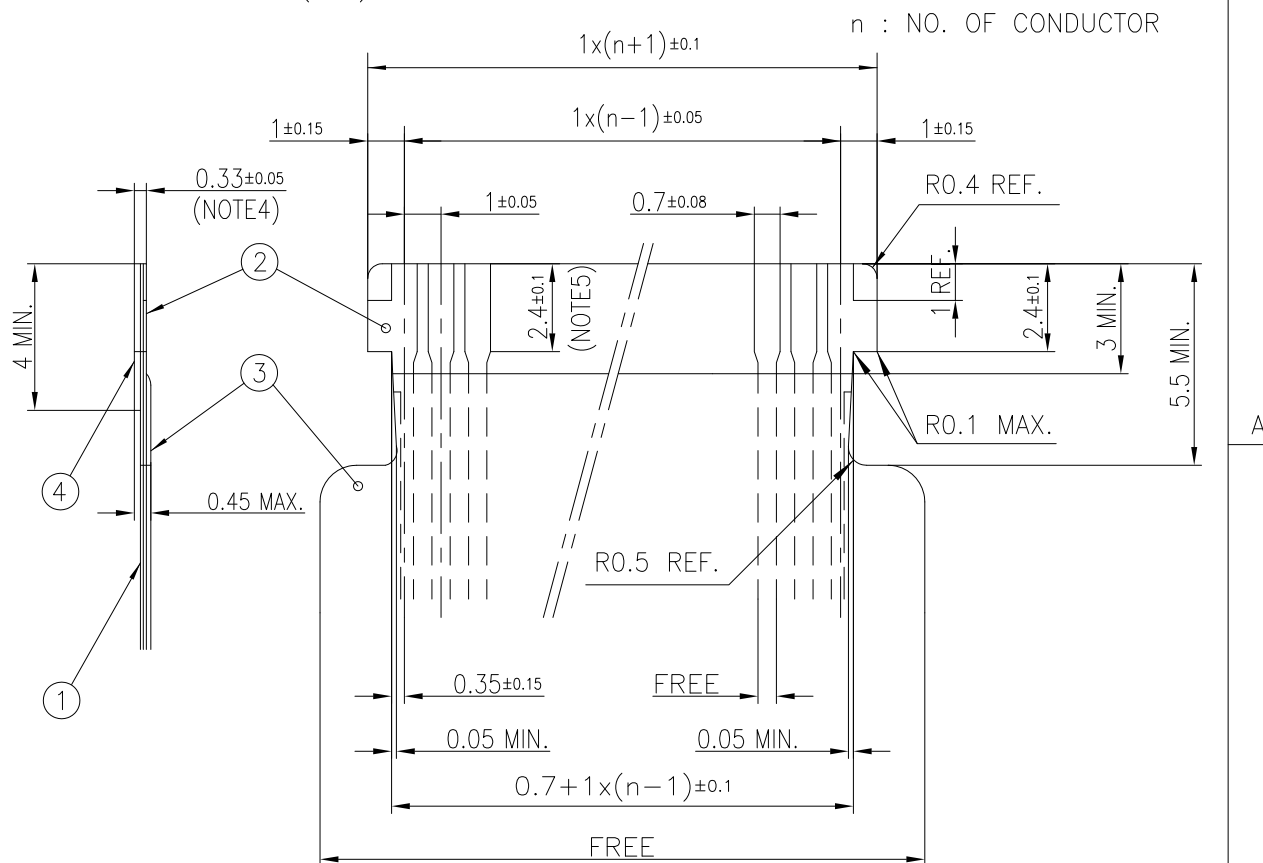
PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	—	POLYSTYRENE	1	COLOR : WHITE or BLACK
2	PLASTIC (EMBOSS) TAPE	—	△ PS or A-PET	—	COLOR:TRANSPARENCY
3	COVER	—	△ POLYESTER,POLYETHYLENE	—	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-4ST__LF	SEE SHEET 4	500	UPPER CONTACT TYPE

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM 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.
- E DIMENSION IS PORTION OF THE CORE.

mat'l. code —				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family 58RF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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RECOMMENDED CABLE (FPC)



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. THIS DRAWING INDICATES THE FPC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
2. NO BURR AT EACH PORTION.
3. NO PEELING IN COMMON USE.
4. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
5. THIS DIMENSION INDICATES THE RANGE FOR 0.7±0.08 CONDUCTOR WIDTH.

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								RECOMMENDED CABLE							
								(Cat. No. SFW__R-3/4ST__)							
								scale 5:1							
								Amphenol FCI							
								dwg no		sheet 8 of 8		size			
								10117478				A4			
sheet index				revision sheet				type Product Customer Drawing							