

Downloaded from Arrow.com.

PDS: Rev :C

STATUS: Released

Printed: N





А

CAT. NO. & DIMENSIONS

NO. OF	0.17	DI	MENSIO	NS (NC	TE2)
CONTACTS (n)	CAT. NO.	A ± 0.2	B ± 0.2	C ± 0.1	D ± 0.1
4	SFV4R-1/2STHLF	7.5	5.9	1.5	2.7
5	SFV5R-1/2STHLF	8.0	6.4	2.0	3.2
6	SFV6R-1/2STHLF	8.5	6.9	2.5	3.7
7	SFV7R-1/2STHLF	9.0	7.4	3.0	4.2
8	SFV8R-1/2STHLF	9.5	7.9	3.5	4.7
9	SFV9R-1/2STHLF	10.0	8.4	4.0	5.2
10	SFV10R-1/2STHLF	10.5	8.9	4.5	5.7
11	SFV11R-1/2STHLF	11.0	9.4	5.0	6.2
12	SFV12R-1/2STHLF	11.5	9.9	5.5	6.7
13	SFV13R-1/2STHLF	12.0	10.4	6.0	7.2
14	SFV14R-1/2STHLF	12.5	10.9	6.5	7.7
15	SFV15R-1/2STHLF	13.0	11.4	7.0	8.2
16	SFV16R-1/2STHLF	13.5	11.9	7.5	8.7
17	SFV17R-1/2STHLF	14.0	12.4	8.0	9.2
18	SFV18R-1/2STHLF	14.5	12.9	8.5	9.7
19	SFV19R-1/2STHLF	15.0	13.4	9.0	10.2
20	SFV20R-1/2STHLF	15.5	13.9	9.5	10.7
21	SFV21R-1/2STHLF	16.0	14.4	10.0	11.2
22	SFV22R-1/2STHLF	16.5	14.9	10.5	11.7
23	SFV23R-1/2STHLF	17.0	15.4	11.0	12.2
24	SFV24R-1/2STHLF	17.5	15.9	11.5	12.7
25	SFV25R-1/2STHLF	18.0	16.4	12.0	13.2
26	SFV26R-1/2STHLF	18.5	16.9	12.5	13.7
27	SFV27R-1/2STHLF	19.0	17.4	13.0	14.2
28	SFV28R-1/2STHLF	19.5	17.9	13.5	14.7
29	SFV29R-1/2STHLF	20.0	18.4	14.0	15.2
30	SFV30R-1/2STHLF	20.5	18.9	14.5	15.7
31	SFV31R-1/2STHLF	21.0	19.4	15.0	16.2
32	SFV32R-1/2STHLF	21.5	19.9	15.5	16.7
33	SFV33R-1/2STHLF	22.0	20.4	16.0	17.2
34	SFV34R-1/2STHLF	22.5	20.9	16.5	17.7
35	SFV35R-1/2STHLF	23.0	21.4	17.0	18.2

CAT. NO. SFV (n) R = 1 ST = HLF SERIES NAME NO. OF CONTACTS RIGHT ANGLE TYPE FOR FPC/FFC, CONTACT DIRECTION 1. LOWER CONTACT TYPE 2. UPPER CONTACT TYPE FOR AUTOMATIC MOUNTING (SMT) PACKAGE STYLE HALOGEN and LEAD FREE -

NOTES

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

(

Amphenol

mat	·'l. c	ode				surf	ace	/	tole	ranc	е	pro	jectio	חכ	prod	duct	fam	ily		5.9	BEF		
		-				ISO 1	1302	\vee	ISO 4	06 IS	0 1101	(b -	1)(JLI		
ltr	ecn	ПО	dr	dat	9	tolera	nces	unless	otherw	ise sp	ecified	6		J	title								
С						angl	۵۵						ММ							OR (CON			
						unge	l	inear				-		_									\
												sca	le N,	/A	(0	at. I	VO.	: SF'	V	₹−1/	/251.	H	LF)
						dr	S.W	/ATAN/	ABE	2019	-3-6				dwg	ПО			S	heet	2 0	f 9	size
						engr	S.W	/ATAN/	ABE	2019-	-3-6	Am	phe F	nol				101	1279	93			$ A_4 $
						chr	S-	H.THIC)	2019-	-3-7		Z.	-Ci									M4
						appd	Y.K	AMED.	Д	2019-	-3-7				Туре	P	rodu	ıct ı	Cust	ome	er D	rawi	ng
she	et	revi	sion																				
linde	λ	she	et																				

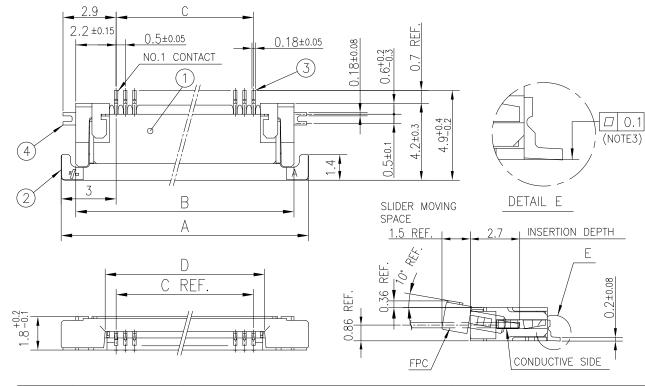
form: A4-2016-02-24

PDS: Rev :C

STATUS:Released Printed: N

Downloaded from Arrow.com.

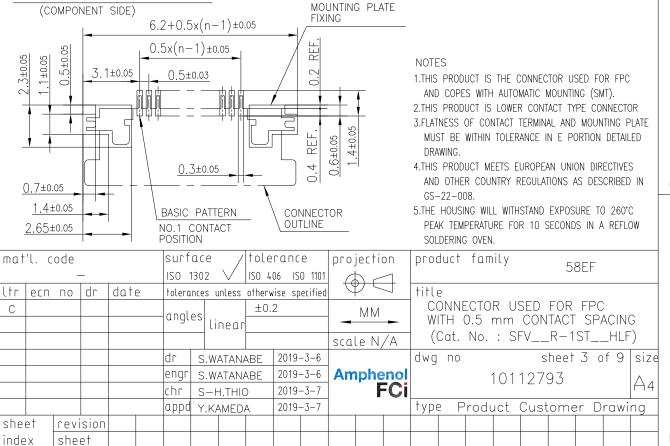




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : THIN TIN
4	4 MOUNTING PLATE	PHOSPHOR BRUNZE	2	PLATING : LEAD FREE

PATTERN FOR

n: NO. OF CONTACTS



1

form: A4-2016-02-24

PDS: Rev :C

STATUS: Released

2 Printed:

Downloaded from Arrow.com.

D

А

Amphenol FC

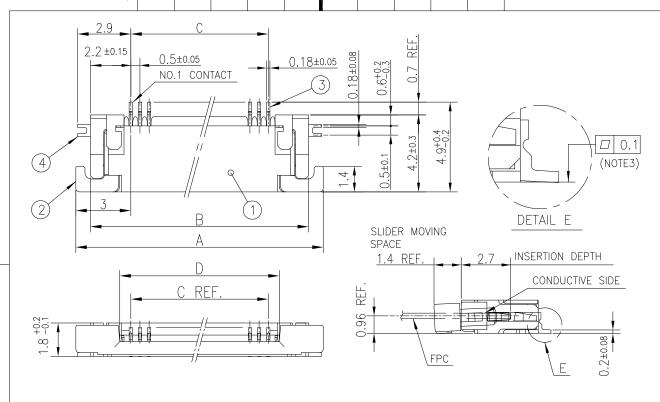
(

RECOMMENDED PC BOARD LAYOUT

В

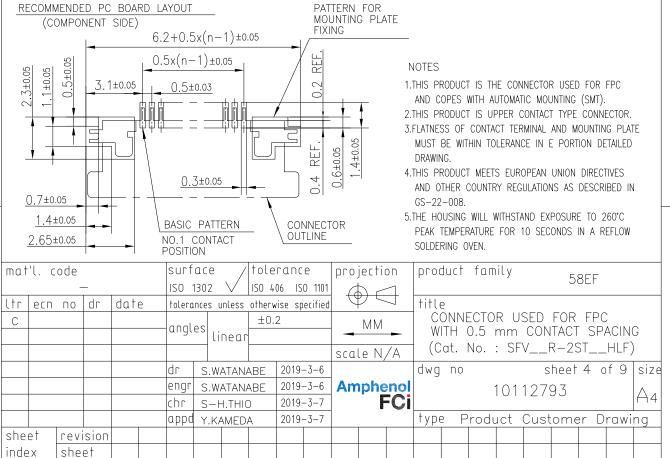


Α



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
3	CONTACT	DUOSDUOD DDONZE	n	PLATING : THIN TIN
4	MOUNTING PLATE	PHOSPHOR BRONZE	2	PLATING : LEAD FREE

n: NO. OF CONTACTS



1 form: A4-2016-02-24

PDS: Rev :C

STATUS: Released

2 Printed:

D

А

Amphenol FC!

C

C

Α

1

CAT. NO. & DIMENSIONS

А

Amphenol

(

NO. OF		DIMENS	SIONS (NC	TE3)
CONTACTS (n)	CAT. NO.	F ± 5	G ± 0.3	H ± 0.1
4	SFV4R-1/2STE1HLF	20.4	16	
5	SFV5R-1/2STE1HLF	20.4	16	
6	SFV6R-1/2STE1HLF	20.4	16	
7	SFV7R-1/2STE1HLF	28.4	24	
8	SFV8R-1/2STE1HLF	28.4	24	
9	SFV9R-1/2STE1HLF	28.4	24	
10	SFV10R-1/2STE1HLF	28.4	24	
11	SFV11R-1/2STE1HLF	28.4	24	
12	SFV12R-1/2STE1HLF	28.4	24	
13	SFV13R-1/2STE1HLF	28.4	24	
14	SFV14R-1/2STE1HLF	28.4	24	
15	SFV15R-1/2STE1HLF	28.4	24	
16	SFV16R-1/2STE1HLF	28.4	24	
17	SFV17R-1/2STE1HLF	28.4	24	
18	SFV18R-1/2STE1HLF	28.4	24	
19	SFV19R-1/2STE1HLF	28.4	24	
20	SFV20R-1/2STE1HLF	28.4	24	
21	SFV21R-1/2STE1HLF	28.4	24	
22	SFV22R-1/2STE1HLF	28.4	24	
23	SFV23R-1/2STE1HLF	36.4	32	28.4
24	SFV24R-1/2STE1HLF	36.4	32	28.4
25	SFV25R-1/2STE1HLF	36.4	32	28.4
26	SFV26R-1/2STE1HLF	36.4	32	28.4
27	SFV27R-1/2STE1HLF	36.4	32	28.4
28	SFV28R-1/2STE1HLF	36.4	32	28.4
29	SFV29R-1/2STE1HLF	36.4	32	28.4
30	SFV30R-1/2STE1HLF	36.4	32	28.4
31	SFV31R-1/2STE1HLF	48.4	44	40.4
32	SFV32R-1/2STE1HLF	48.4	44	40.4
33	SFV33R-1/2STE1HLF	48.4	44	40.4
34	SFV34R-1/2STE1HLF	48.4	44	40.4
35	SFV35R-1/2STE1HLF	48.4	44	40.4

CAT. NO. SFV (n) R = 1 ST E1 HLF SERIES NAME NO. OF CONTACTS RIGHT ANGLE TYPE FOR FPC/FFC, CONTACT DIRECTION 1. LOWER CONTACT TYPE 2. UPPER CONTACT TYPE FOR AUTOMATIC MOUNTING (SMT)TAPE PACKAGING HALOGEN and LEAD FREE -

NOTES

- 1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- 2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
- 3. SEE PART DRAWINGS FOR DIMENSIONS F~H.

surface tolerance mat'l. code projection product family ISO 406 ISO 1101 (ϕ) ltr ecn no dr date tolerances unless otherwise specified title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED С ММ angles 0.5 mm CONTACT SPACING CONNECTOR linear (Cat. No. : $SFV_R-1/2STE1HLF$) scale N/A 2019-3-6 dwg no S.WATANABE engr 2019-3-6 **Amphenol** S.WATANABE **FCi** 2019-3-7 S-H.THIO 2019-3-7 appd Y.KAMEDA

1

sheet 5 of 9 size

58EF

10112793 \triangle 4

type Product Customer Drawing

form: A4-2016-02-24

sheet

index

revision

sheet

PDS: Rev :C

STATUS: Released

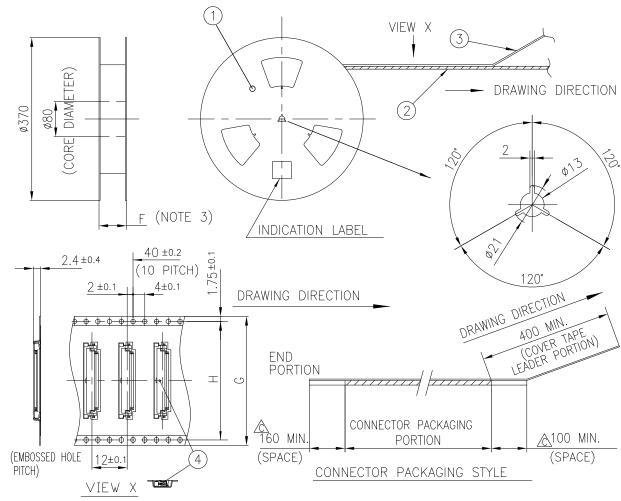
Printed:

2

Downloaded from Arrow.com.

D





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	SFVR-1STHLF	SEE SHEET 3	3000	LOWER CONTACT TYPE

NOTES

А

Amphenol FC

(

- 1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC 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. F DIMENSION IS PORTION OF THE CORE.

mat	′l. c	ode				surf	ace	/	tole	ranc	е	proj	jectio	חו	prod	duct	fam	ily		5	8EF			
		_	-			ISO 1	302	\vee	ISO 4	06 IS	0 1101	(1						J.	OLI			
ltr	ecn	ПО	dr	dat	e	tolera	nces	unless	otherv	vise sp	ecified	7) <u> </u>	7	title	_ DI	VCTI(CTAF	DE D/	۱ ۲ ۲ ۸ ۱	^ED			
С						angl	اء		±5				ММ		0.5			TACT				NECT	.UB	
						unge	<u> </u>	inear				-		_									OIN	
						±5°						scal	.e N _/	/A	(C	at. N	10. :	SF\						
						dr	S.W	'ATANA	ABE	2019-					dwg	ΠO			S	heet	6 0	of 9	size	4
						engr	S.W	'ATANA	ABE	2019-	-3-6	Am	phe	nol				101	1279	93			$ _{\Lambda_A}$	
						chr	S-	H.THIC)	2019-			N.	Ci									H4	
						appd	Y.K	AMED,	4	2019-	-3-7				tуp∈	5	Proc	luct	Cus	stom	ner	Drav	ving	
shee	et	revi	sion																					
inde	×	shee	≥†																					

form: A4-2016-02-24

PDS: Rev :C

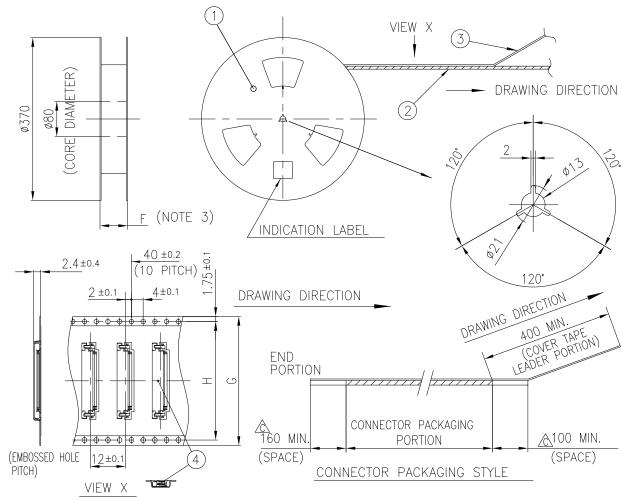
STATUS:Released

(

Downloaded from Arrow.com.

D





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 SFV_R-2ST_HLF		SEE SHEET 4	3000	UPPER CONTACT TYPE

NOTES

А

Amphenol

(

- 1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC 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. F DIMENSION IS PORTION OF THE CORE.

mat	'l. coc	le		surf	ace		tole	ranc	е	proj	ectio	חכ	prod	uct	fam	ily		5.	8EF			
		_		ISO 1	1302	\vee	ISO 4	06 IS	0 1101	(1						J1	OLI			
ltr	ecn n	o dr	date	tolera	nces u	nless	otherw	vise sp	ecified	7		_	title	ים י	A CTI	\ T \ F	PE PA	\	^FD			
С				— angl	0.5		±5				ММ		0.5							INECT	'nΡ	
				ungt	ال 🖺	near				-		_	0.5									
				±5°						scal	.e N,	/A		(Cai	. NC). :	SF V_	K-	-251	E1HL	_F)	
				dr	S.WA	ATAN,	ABE	2019-					dwg	ПО			S	heet	7 c	of 9	size	
				engr	S.WA	ATAN,	ABE	2019-	-3-6	Am	phe	nol			,	101	1279	9.3			ΙΛ.	
				chr	S-H	.THI)	2019-	-3-7		N.	Ci									H4	
				appd	Y.KA	MED.	Д	2019-	-3-7				type		⊃roc	luct	Cus	stom	ner	Draw	ving	
she	et r	evision																				
inde	x s	heet																				

form: A4-2016-02-24

PDS: Rev :C

STATUS:Released

Downloaded from Arrow.com.

D



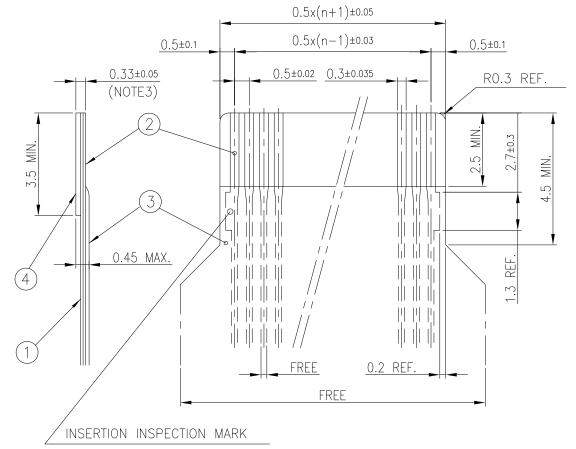


А

Amphenol

(

n: NO. OF CONTACTS



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			surfa	ice /	tole	ranc	е	proj	ectio	ח	prod	luct	fam	ily		E (BEF			
		_		ISO 1	302 🗸	ISO 4	06 IS0	D 1101	4		1						00	DEF			
ltr	ecn no	dr	date	tolerar	ices unless	otherv	vise sp	ecified	7	7 5	\supset	title	<u>.</u>								
С				- angle	0.0					ММ			F	RECO	MMEI	NDEC) CA	BLE			
				angee	linear							(0)	at N	No. :	SEV	R	_1/3	TZC	IE)		
									scal	e N/	/A	(0)	ut. i		J1 V						
				dr	S.WATAN	ABE	2019-	-3-6				dwg	ПО			S	heet	8 0	of 9	size	
				engr	S.WATAN	ABE	2019-	-3-6	Am	phe F	nol			,	011	1279	9.3			$ _{\Lambda}$,	
				chr	S-H.THI	0	2019-	-3-7		N	Ci									[44]	
				appd	Y.KAMED	Α	2019-	-3-7				type		Proc	luct	Cus	tom	er [Draw	ving	
she	et rev	ision																			
inde	x she	et																			ſ

form: A4-2016-02-24

PDS: Rev :C

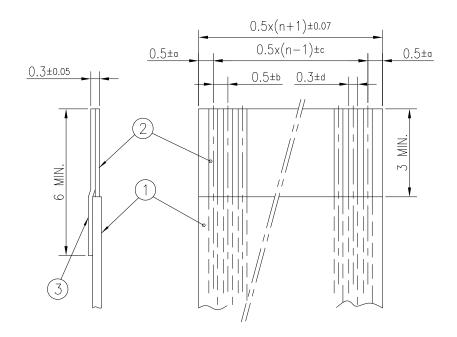
STATUS:Released

Drintod: Mar

Downloaded from Arrow.com.

Α

n: NO. OF CONTACTS



KIND OF FFC		IMENSIONAL	TOLERANCE	
(NOTE3)	а	b	С	d
1	±0.07	±0.04	±0.05	±0.02
2	±0.1	±0.03	±0.03	±0.025

PT. NO.	PARTS NAME	MATERIAL						
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT						
2	CONDUCTOR	COPPER FOIL THICKNESS 35 or 50um						
	CONDUCTOR	(PLATING : TIN or SOLDER 1um MIN.)						
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT						

NOTES

- 1. NO BURR AT EACH PORTION.
- 2. NO PEELING IN COMMON USE.
- 3. EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL TOLERANCE a,b,c AND d.

	mat'l. code				surface /			tolerance			projection		product family					58EF						
	_					ISO 1302 ✓ ISO				+06 ISO 1101		\oplus		1						JOLI				
	ltr	ecn	ПО	dr	date	2	tolera	nces	unless	otherw	wise specified		$\square \Psi \subseteq$		_	title								
	С						angle	≘s .					MM			RECOMMENDED CABLE								
								I	.inear			-		(Cat. No. : SFVR-1/2STLF)										
													scale N/A		()	(000. 110 01.11(1/201E1)								
							dr	S.V	WATAN	4BE	2019	-3-6				dwg no				sheet 9 of 9 s				size
							engr	ngr s.watanabe			2019	-3-6	Amphenol FCi		10112793									
/							chr S-H.THIO			2019	2019-3-7 F (-Ci	10112/93 A ₄									
							appd	PPd Y.KAMEDA			2019	-3-7			type Product Customer Drawing								ng	
	shee	et l	revi	sion																				
D	inde	X	she	et																				
																		•	•	•		•	•	

form: A4-2016-02-24

PDS: Rev :C

STATUS:Released

Drintod: Mar

(

А

Amphenol FC

2016 A