

PDM: Rev:B

STATUS Released

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NO. OF	0.47	DII	MENSI0	NS (NO	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

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.

ma	t'l. (code			surfa	. /		406	projec	tion	prod	duct	famil	У	58E	F	1	ODE
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В					angles				mn		co	NTACT	SPAC	CING	E FOR 0.5 mm NG CONNECTOR /R-1/2ST+			_\
					dr /	S NOTO	Ter de	2/0-9-14	scale	$\frac{\chi}{\lambda}$		(Cat. No. : SI dwg no			VR-1/2STH sheet 2 of 9			
			****		engr ,	S. <u>Afrika</u> SAMA SIL	m 2	<u>010-9-14</u> 010-9-14	FC				101	1279	3			A
					appa (Mans	<u> 5</u> e	p16/10	Com		type	Pro	duct	Custo	mer	Draw	ing	
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PDM: Rev:B

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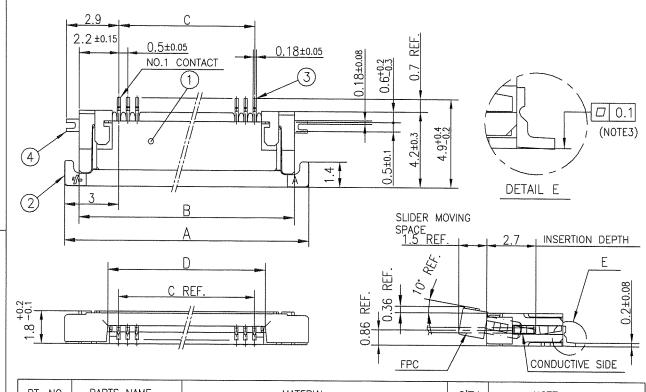
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PT. NO. PARTS NAME MATERIAL Q'TY NOTE 13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0) COLOR: BLACK (HALOGEN FREE) 1 HOUSING 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0) PPS RESIN GLASS REINFORCED (UL94V-0) 2 **SLIDER** 1 COLOR: BLACK (HALOGEN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

n: NO. OF CONTACTS RECOMMENDED PC BOARD LAYOUT PATTERN FOR MOUNTING PLATE FIXING (COMPONENT SIDE) $6.2+0.5x(n-1)\pm0.05$ **NOTES** $0.5x(n-1)\pm0.05$ REF 1.1±0.05 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC 3.1±0.05 0.5 ± 0.03 Ö. AND COPES WITH AUTOMATIC MOUNTING (SMT). 2.THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR. 3.FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE 4±0.05 MUST BE WITHIN TOLERANCE IN E PORTION DETAILED REF. 6±0.05 DRAWING. 4.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES 9.0 0.3 ± 0.05 AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN 0.7±0.05 GS-22-008. 1.4±0.05 5.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C BASIC PATTERN CONNECTOR PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW 2.65±0.05 OUTLINE NO.1 CONTACT POSITION SOLDERING OVEN. tolerance ISO 406 mat'l. code surface product family projection CODE 58EF ISO 1302 JP <u>iso</u> 1101 tolerances unless otherwise specified ecn no dr date CONNECTOR USED FOR FPC ±0.2 mm WITH 0.5 mm CONTACT SPACING angles linear (Cat No. : SFV__R-1ST__HLF) scale sheet 3 of 9 size dwg no

xp16/10

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PDM: Rev:B

form: A4

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Product Customer

Printed: Apr 04, 2011

Drawing

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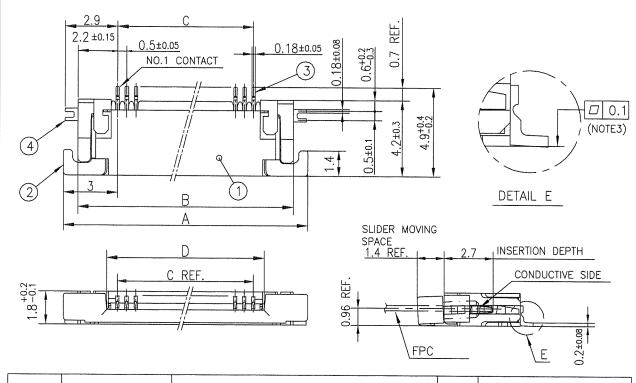
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PT. NO. PARTS NAME MATERIAL NOTE Q'TY 13~35pin: LCP RESIN GLASS REINFORCED (UL94V-0) HOUSING COLOR: BLACK (HALOGEN FREE) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0) PPS RESIN GLASS REINFORCED (UL94V-0) SLIDER COLOR: BLACK (HALOGEN FREE) 3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

RECOMMENDED PC BOARD LAYOUT PATTERN FOR MOUNTING PLATE (COMPONENT SIDE) **FIXING** $6.2+0.5x(n-1)\pm0.05$ 5±0.05 REF $0.5x(n-1)\pm0.05$ 2.3±0.05 1.1±0.05 3.1±0.05 0.5±0.03 0.2 REF. 0.6 ± 0.05 4 0.3±0.05 0.7 ± 0.05 1.4±0.05 CONNECTOR OUTLINE BASIC PATTERN 2.65±0.05 NO.1 CONTACT POSITION

n: NO. OF CONTACTS

1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).

NOTES

- 2.THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.
- 3.FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
- 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.

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									scale	$\overline{\chi}$	1	(Cat.	No.	. : 5	SFV_	R-	2ST_	_HL	_F)
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CAT. NO. & DIMENSIONS

NO. OF CONTACTS	CAT NO	DIMENS	SIONS (NO	TE3)
(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.

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									scale	$=$ χ		it. No). : S	>FV	-K-1,	/251E1	HLF)	
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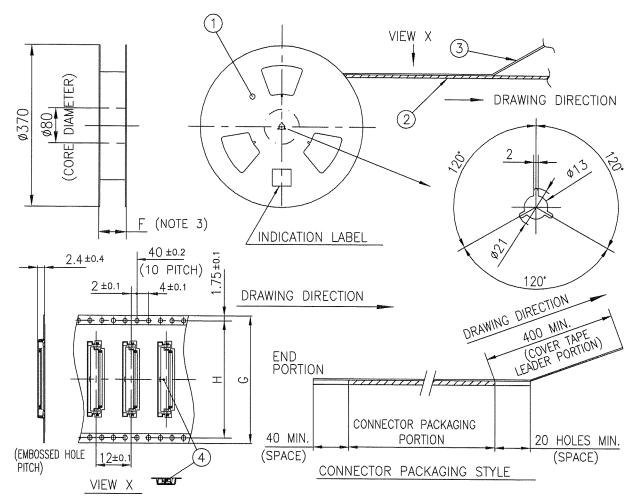




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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE		A-PET		COLOR : TRANSPARENCY
3	COVER		POLYESTER		COLOR : TRANSPARENCY
4	CONNECTOR	SFVR-1STHLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE

NOTES

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Α

- 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.

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PDM: Rev:B

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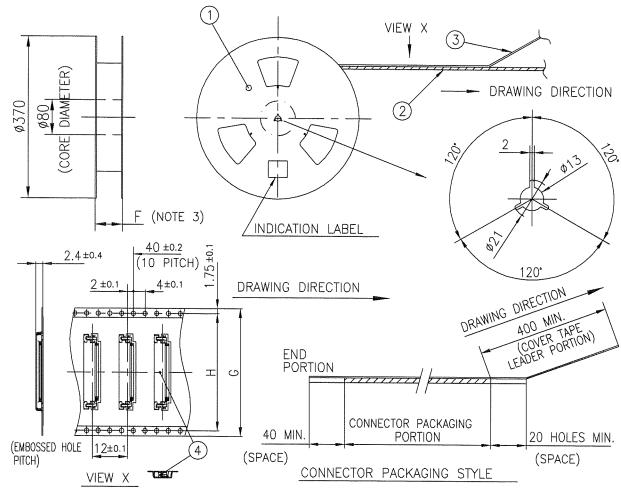
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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL		CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE		A-PET		COLOR : TRANSPARENCY
3	COVER		POLYESTER	***************************************	COLOR : TRANSPARENCY
4	CONNECTOR	SFVR-2STHLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE

NOTES

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Α

- 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.

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PDM: Rev:B

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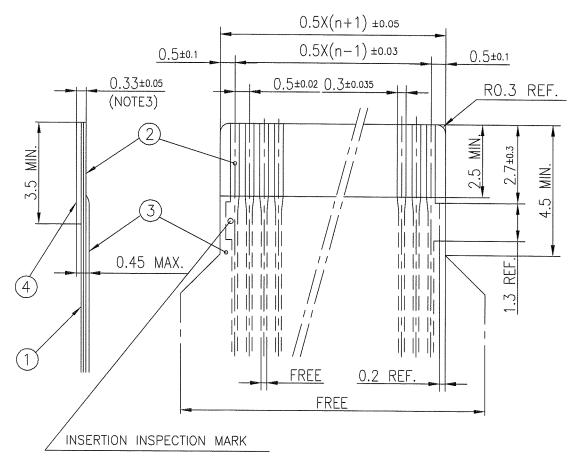


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n: NO. OF CONTACTS



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (µm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING : SOLDER 1 µm 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.

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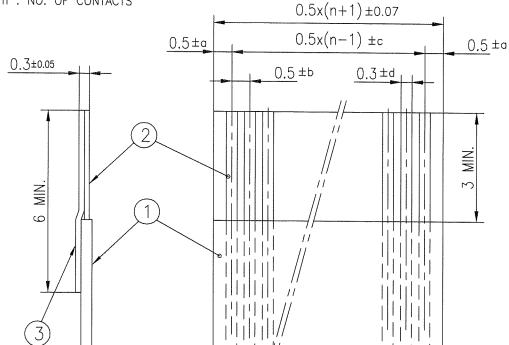
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KIND OF FFC	DIN	MENSIONAL .	TOLERANCE	
(NOTE3)	а	b	С	d
1	±0.07	±0.04	±0.05	±0.02
2	±0.1	±0.03	±0.03	±0.025

	r						
PT. NO.	PARTS NAME	MATERIAL	NOTE				
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL					
2	CONDUCTOR	COPPER FOIL: THICKNESS 35 OR 50 μ m	PLATING : TIN OR SOLDER 1 µm MIN.				
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUAL					

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				ISO 1302 V ISO 1101			projection		product family 58EF COD										
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				engr S. M. Shew 20/0-9-14 chr H. Y. M. S. H. S. T. A. 20/0-9-14			FC	10112793 A								Α			
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