

CAT. NO. & DIMENSIONS

NO. OF	OAT NO	DI	MENSIO	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

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.

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mat'l. code surface projection product family CODE 58EF ISO 1302 JP tolerances unless otherwise specified ltr ecn no dr date title CAT. NO. TABLE FOR 0.5 mm mm angles CONTACT SPACING CONNECTOR linear (Cat. No. : SFV__R-1/2ST__HLF) scale dr sheet 2 of 9 size dwg no engr 10117320 Α4 chr Y. Lamale-2011-2-10 appd TeblOU Product Customer Drawing type sheet revision Rev. index sheet Α

PDM: Rev:A

form: A4

STATUS: Released

Printed: Feb 18, 2011

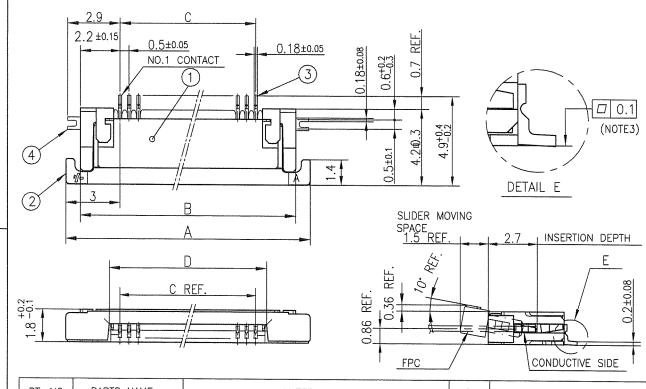
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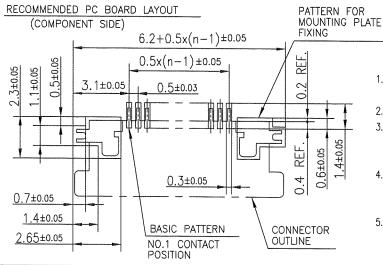
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PT. NO. PARTS NAME MATERIAL Q'TY NOTE 13~35pin: LCP RESIN GLASS REINFORCED (UL94V-0) HOUSING 1 1 COLOR: BLACK (HALOGEN FREE) 4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0) PPS RESIN GLASS REINFORCED (UL94V-0) 2 **SLIDER** 1 COLOR: BLACK (HALOGEN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

n : NO. OF CONTACTS



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

NOTES

2.THIS PRODUCT IS LOWER 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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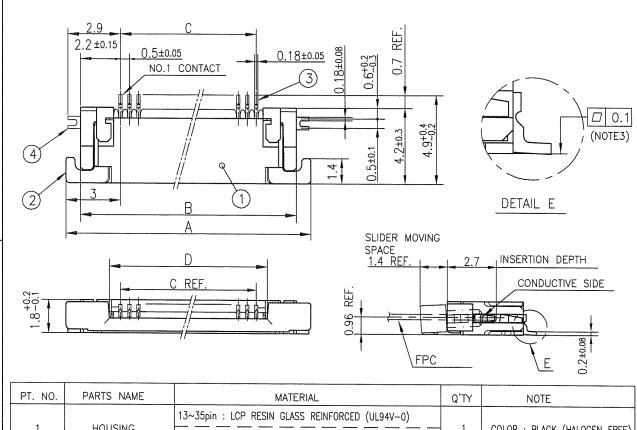


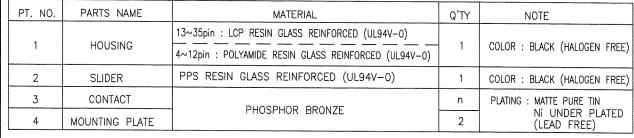
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RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE) 5±0.05 $0.5x(n-1)\pm0.05$ R .3±0.05 1±0.05 3.1±0.05 0.2 0.5±0.03 1.4±0.05 REF. 6±0.05 4 0.3 ± 0.05 0.7±0.05 1.4±0.05 BASIC PATTERN CONNECTOR 2.65±0.05 OUTLINE NO.1 CONTACT POSITION

NOTES

1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC

AND COPES WITH AUTOMATIC MOUNTING (SMT).

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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CAT. NO. & DIMENSIONS

NO. OF	0.47 110	DIMENS	SIONS (NC	TE3)
CONTACTS (n)	CAT. NO.	F MAX.	G ± 0.3	H ± 0.1
4	SFV4R-1/2STE9HLF	22.4	16	
5	SFV5R-1/2STE9HLF	22.4	16	
6	SFV6R-1/2STE9HLF	22.4	16	
7	SFV7R-1/2STE9HLF	30.4	24	
8	SFV8R-1/2STE9HLF	30.4	24	
9	SFV9R-1/2STE9HLF	30.4	24	
10	SFV10R-1/2STE9HLF	30.4	24	
11	SFV11R-1/2STE9HLF	30.4	24	
12	SFV12R-1/2STE9HLF	30.4	24	
13	SFV13R-1/2STE9HLF	30.4	24	
14	SFV14R-1/2STE9HLF	30.4	24	
15	SFV15R-1/2STE9HLF	30.4	24	
16	SFV16R-1/2STE9HLF	30.4	24	
17	SFV17R-1/2STE9HLF	30.4	24	
18	SFV18R-1/2STE9HLF	30.4	24	
19	SFV19R-1/2STE9HLF	30.4	24	
20	SFV20R-1/2STE9HLF	30.4	24	
21	SFV21R-1/2STE9HLF	30.4	24	*******
22	SFV22R-1/2STE9HLF	30.4	24	
23	SFV23R-1/2STE9HLF	38.4	32	28.4
24	SFV24R-1/2STE9HLF	38.4	32	28.4
25	SFV25R-1/2STE9HLF	38.4	32	28.4
26	SFV26R-1/2STE9HLF	38.4	32	28.4
27	SFV27R-1/2STE9HLF	38.4	32	28.4
28	SFV28R-1/2STE9HLF	38.4	32	28.4
29	SFV29R-1/2STE9HLF	38.4	32	28.4
30	SFV30R-1/2STE9HLF	38.4	32	28.4
31	SFV31R-1/2STE9HLF	50.4	44	40.4
32	SFV32R-1/2STE9HLF	50.4	44	40.4
33	SFV33R-1/2STE9HLF	50.4	44	40.4
34	SFV34R-1/2STE9HLF	50.4	44	40.4
35	SFV35R-1/2STE9HLF	50.4	44	40.4

CAT. NO. SFV (n) R - 1 ST E9 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 TAPE PACKAGING FOR E9 -(500pcs PER REEL) 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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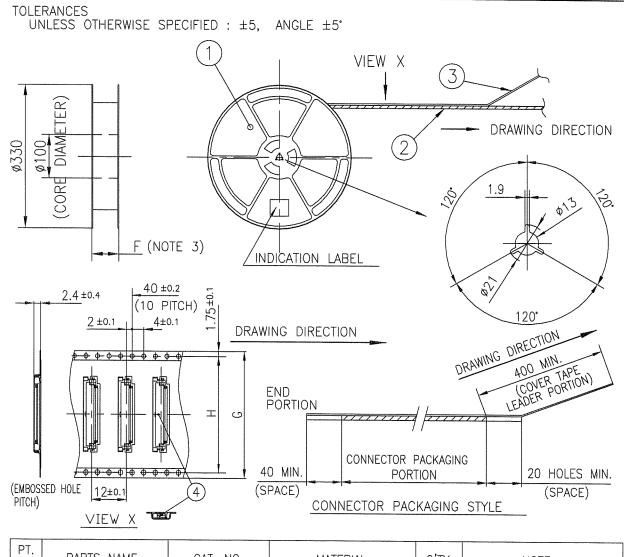
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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
11	REEL		POLYSTYRENE	1	COLOR : BLACK
2	PLASTIC (EMBOSS) TAPE		A-PET		COLOR : TRANSPARENCY (CLEAR)
3	COVER		POLYESTER		COLOR : TRANSPARENCY (CLEAR)
4	CONNECTOR	SFVR-1STHLF	SEE ATTACHED DWG.	500	LOWER CONTACT TYPE
NOTES					

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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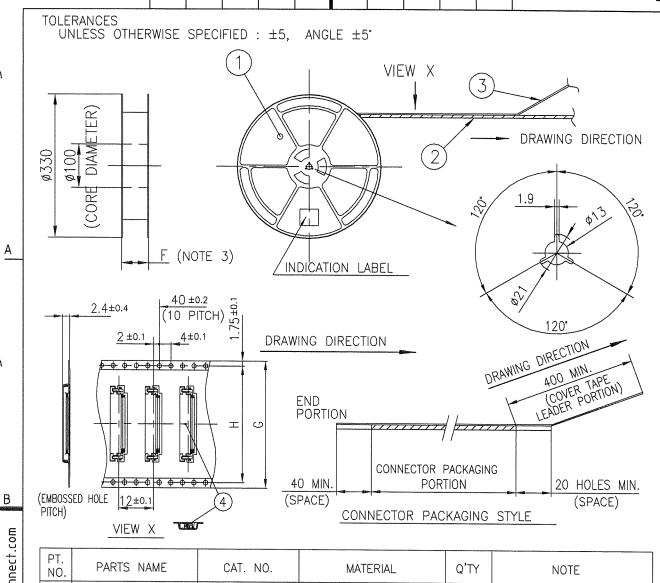


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NOTES

REEL

COVER

CONNECTOR

TAPE

PLASTIC (EMBOSS)

THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).

SFV__R-2ST__HLF

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.

POLYSTYRENE

A-PET

POLYESTER

SEE ATTACHED DWG.

1

500

COLOR : BLACK

COLOR: TRANSPARENCY

(CLEAR)

COLOR: TRANSPARENCY

(CLEAR)

LOWER CONTACT TYPE

3. F DIMENSION IS PORTION OF THE CORE.

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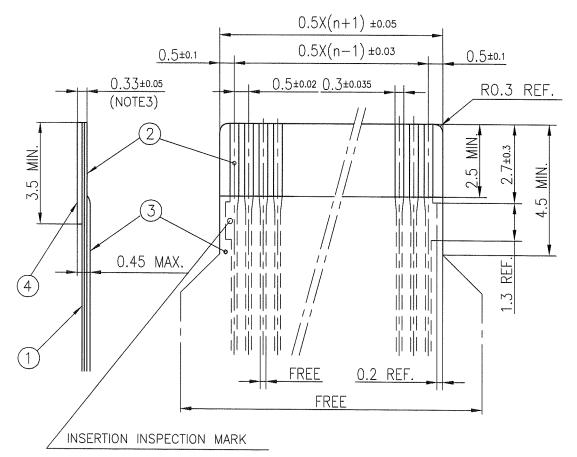


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RECOMMENDED CABLE (FPC)

n: NO. OF CONTACTS



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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.

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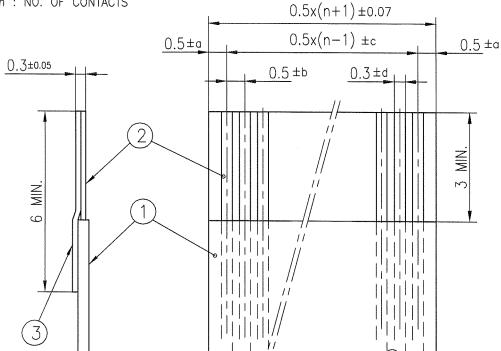
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RECOMMENDED CABLE (FFC)

n: NO. OF CONTACTS



KIND OF FFC	DIMENSIONAL TOLERANCE						
(NOTE3)	a	Ь	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	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUAL	
2	CONDUCTOR	COPPER FOIL:THICKNESS 35 OR 50um	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.
- 3. EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL TOLERANCE a,b,c AND d.

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