List of "SFW__R-3/4STE1LF" customer document

DOCUMENT NO.	LIST
SC-STW11	SPEC.
JSA95860	CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-3/4ST__LF)
JSA95861	1mm SPACING SMT CONNECTOR (SFW__R-3ST__LF)
JSA95862	1mm SPACING SMT CONNECTOR (SFW__R-4ST__LF)
JSA95863	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STE1LF)
JSA95864	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STE1LF)
JSA95865	PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STE1LF)
JSA93212	RECOMMENDED CABLE (FPC) (SFW__R-3/4ST__)
JSA93213 △C	RECOMMENDED CABLE (FFC) (SFW__R-3/4ST__)
GS-20-130	HANDLING PROCEDURES

NOTE

1. A △C symbol will be next to any dimension, view, or note which has been modified with the current drawing revision.

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ltr	ecn no	dr	date
A	J05-0055	H.T	05-02-04
B	J06-0398	H.T	06-09-26
C	S09-0180	DGOH	09-05-28
D	J09-0363	M.Y	2009-10-8
E	J09-0380	M.Y	2009-10-27

mat'l. code –

surface ISO 1302 58 / tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles | linear

projection

mm

scale X

dr	M.YAMASHITA	2009-10-27
engr	M.YAMASHITA	2009-10-27
chr	S.Wittler	2009-10-27
appd	C.Ardaman	2009-10-27

product family 58RF | CODE JP

title: 1mm SPACING FPC CONNECTOR DOCUMENT LIST (Cat. No. : SFW__R-3/4STE1LF)

dwg no JSA 96338 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision	E
	sheet	1

Rev. E

form: A4

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.

ltr	ecn no	dr	date
AA	J05-0055	H.T	2/4/'05
AB	J06-0398	H.T	9/26/'06
AC	J09-0363	M.Y	2009-10-8

mat'l. code

surface 58 ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles, linear

projection

mm

scale X

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S.Watabe	2009-10-8
appd	S.Okudaira	2009-10-8

product family 58RF

CODE JP

title: CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4ST__LF)

dwg no JSA 95860

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision sheet	AC 1

Rev. AC

SC_SFW11 form: A4

JSA95861 95862 95863 95864 95865 93212 93213

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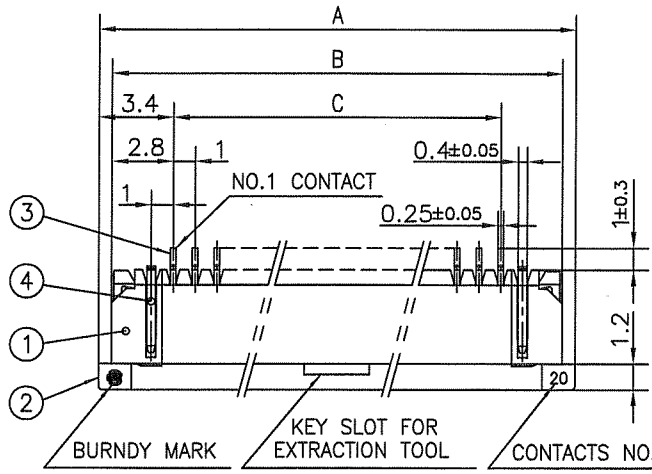
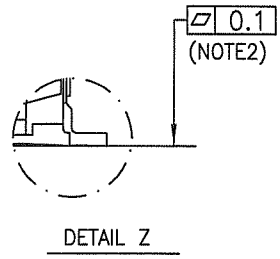
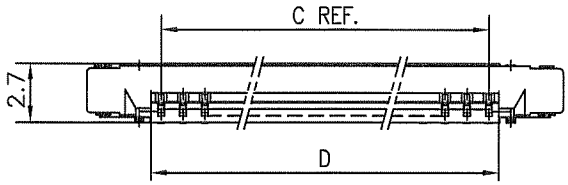
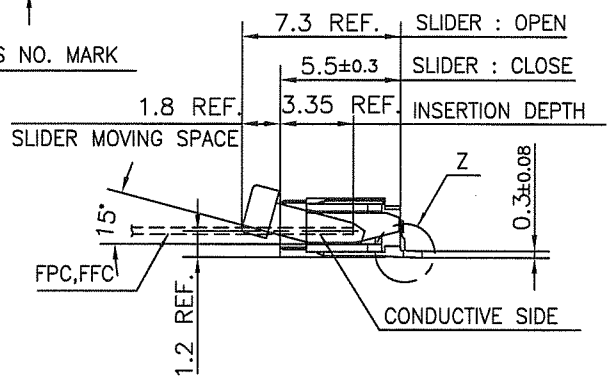
PDM: Rev:AC STATUS:Released Printed: Oct 13, 2009





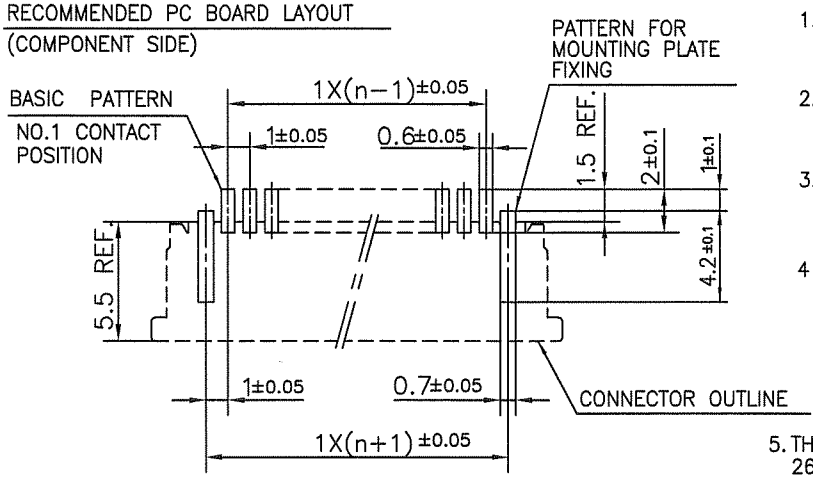




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER		1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

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 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.

ltr	ecn no	dr	date
AA	J04-0180	H.T	7/2/'04
AB	J05-0055	H.T	2/4/'05
AC	J05-0736	H.T	10/28/'05
AD	J06-0398	H.T	9/26/'06
AE	J09-0363	M.Y	2009-10-8

mat'l. code

surface 58 ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles, linear ±0.2

projection

mm

scale X

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S. Watabe	2009-10-8
appd	S. Okudaira	2009-10-8

product family 58RF

CODE JP

title
1mm SPACING SMT CONNECTOR
(Cat. No. SFW___R-3ST__LF)

dwg no JSA 95861

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision	AE
	sheet	1

Rev. AE

SC_SFW11 JSA95860
form: A4

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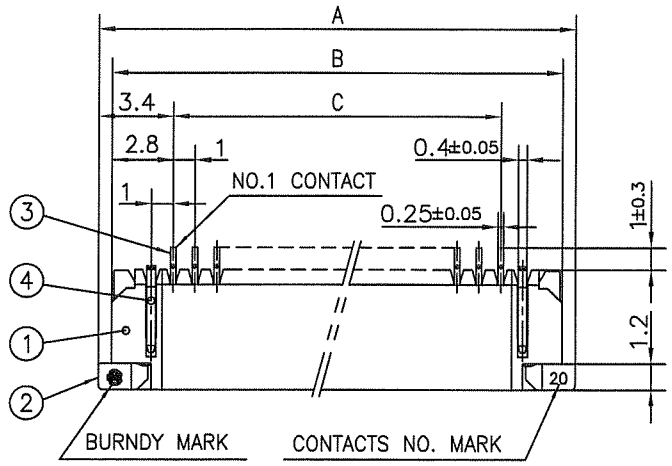
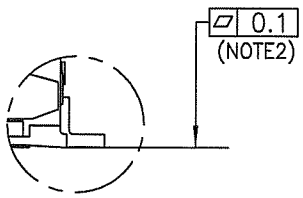
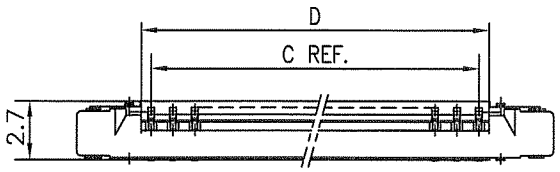
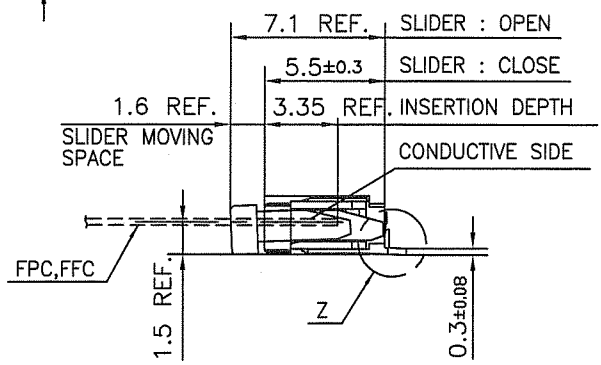
PDM: Rev:AE STATUS:Released Printed: Oct 13, 2009





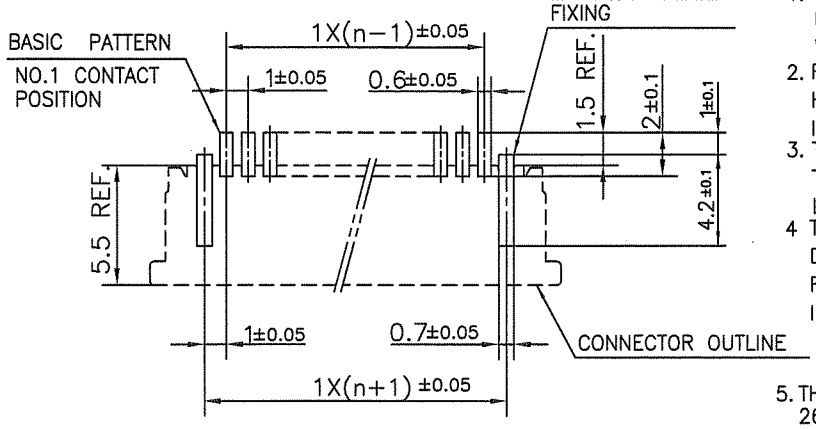




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK
2	SLIDER		1	COLOR : BROWN
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

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.

ltr	ecn no	dr	date
AA	J04-0180	H.T	7/2/'04
AB	J05-0055	H.T	2/4/'05
AC	J05-0736	H.T	10/28/'05
AD	J06-0398	H.T	9/26/'06
AE	J09-0363	M.Y	2009-10-8

mat'l. code

surface 58 ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified
angles
linear ±0.2

projection

mm

scale

dr	H.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S. Watabe	2009-10-8
appd	S. Andersen	2009-10-8

product family 58RF

CODE JP

title
1mm SPACING SMT CONNECTOR
(Cat. No. SFW__R-4ST__LF)

dwg no JSA 95862

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision	AE
	sheet	1

Rev. AE

SC_SFW11 JSA95860
form: A4

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PDM: Rev:AE STATUS:Released Printed: Oct 13, 2009

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-3/4STE1 LF	20.4	16	—
5	SFW5R-3/4STE1 LF	28.4	24	—
6	SFW6R-3/4STE1 LF	28.4	24	—
7	SFW7R-3/4STE1 LF	28.4	24	—
8	SFW8R-3/4STE1 LF	28.4	24	—
9	SFW9R-3/4STE1 LF	28.4	24	—
10	SFW10R-3/4STE1 LF	28.4	24	—
11	SFW11R-3/4STE1 LF	28.4	24	—
12	SFW12R-3/4STE1 LF	28.4	24	—
13	SFW13R-3/4STE1 LF	36.4	32	28.4
14	SFW14R-3/4STE1 LF	36.4	32	28.4
15	SFW15R-3/4STE1 LF	36.4	32	28.4
16	SFW16R-3/4STE1 LF	36.4	32	28.4
17	SFW17R-3/4STE1 LF	48.4	44	40.4
18	SFW18R-3/4STE1 LF	48.4	44	40.4
19	SFW19R-3/4STE1 LF	48.4	44	40.4
20	SFW20R-3/4STE1 LF	48.4	44	40.4
21	SFW21R-3/4STE1 LF	48.4	44	40.4
22	SFW22R-3/4STE1 LF	48.4	44	40.4
23	SFW23R-3/4STE1 LF	48.4	44	40.4
24	SFW24R-3/4STE1 LF	48.4	44	40.4
25	SFW25R-3/4STE1 LF	48.4	44	40.4
26	SFW26R-3/4STE1 LF	48.4	44	40.4
27	SFW27R-3/4STE1 LF	48.4	44	40.4
28	SFW28R-3/4STE1 LF	60.4	56	52.4
29	SFW29R-3/4STE1 LF	60.4	56	52.4
30	SFW30R-3/4STE1 LF	60.4	56	52.4

CAT. NO. SFW (n) R – 3 ST E1 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
- LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPES 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.

ltr	ecn no	dr	date
AA	J05-0055	H.T	2/4/'05
AB	J06-0398	H.T	9/26/'06
AC	J09-0363	M.Y	2009-10-8

mat'l. code

surface 58 ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles, linear

projection

mm

scale X

product family 58RF

CODE JP

title: CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3/4STE1 LF)

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S.Mitsui	2009-10-8
appd	S.Okudaira	2009-10-8

dwg no JSA 95863 sheet 1 of 1 size A4

type Product Customer Drawing

sheet index	revision sheet	AC 1	Rev. AC

SC_SFW11 JSA95860 95864 95865
form: A4

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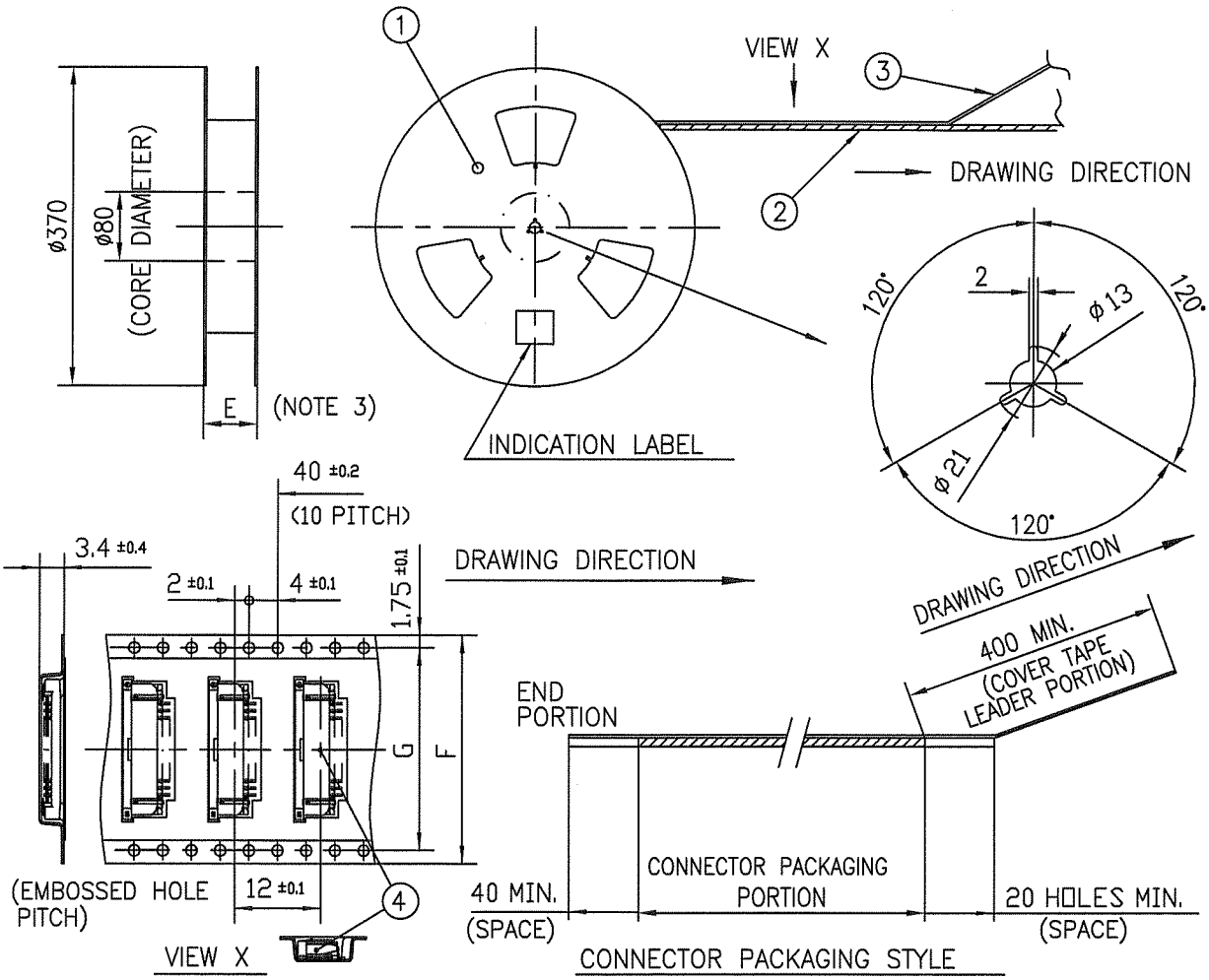
PDM: Rev:AC STATUS:Released Printed: Oct 13, 2009



PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	————	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	————	PET	——	COLOR:TRANSPARENCY
3	COVER	————	POLYESTER	——	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-3ST__LF	SEE ATTACHED DWG.	2000	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.

ltr	ecn no	dr	date
AA	J05-0055	H.T	2/4/'05
AB	J06-0398	H.T	9/26/'06
AC	J09-0363	M.Y	2009-10-8

mat'l. code | surface ISO 1302 | tolerance ISO 406 ISO 1101 | tolerances unless otherwise specified: angles ±5° | linear ±5

projection | mm | scale X

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S.Mitsuhashi	2009-10-8
appd	S.Ando	2009-10-8

product family: 58RF | CODE: JP

title: PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-3STE1 LF)

dwg no: JSA 95864 | sheet 1 of 1 | size: A4

type: Product Customer Drawing

sheet index	revision sheet	AC 1	Rev. AC

SC_SFW11 JSA95863
form: A4

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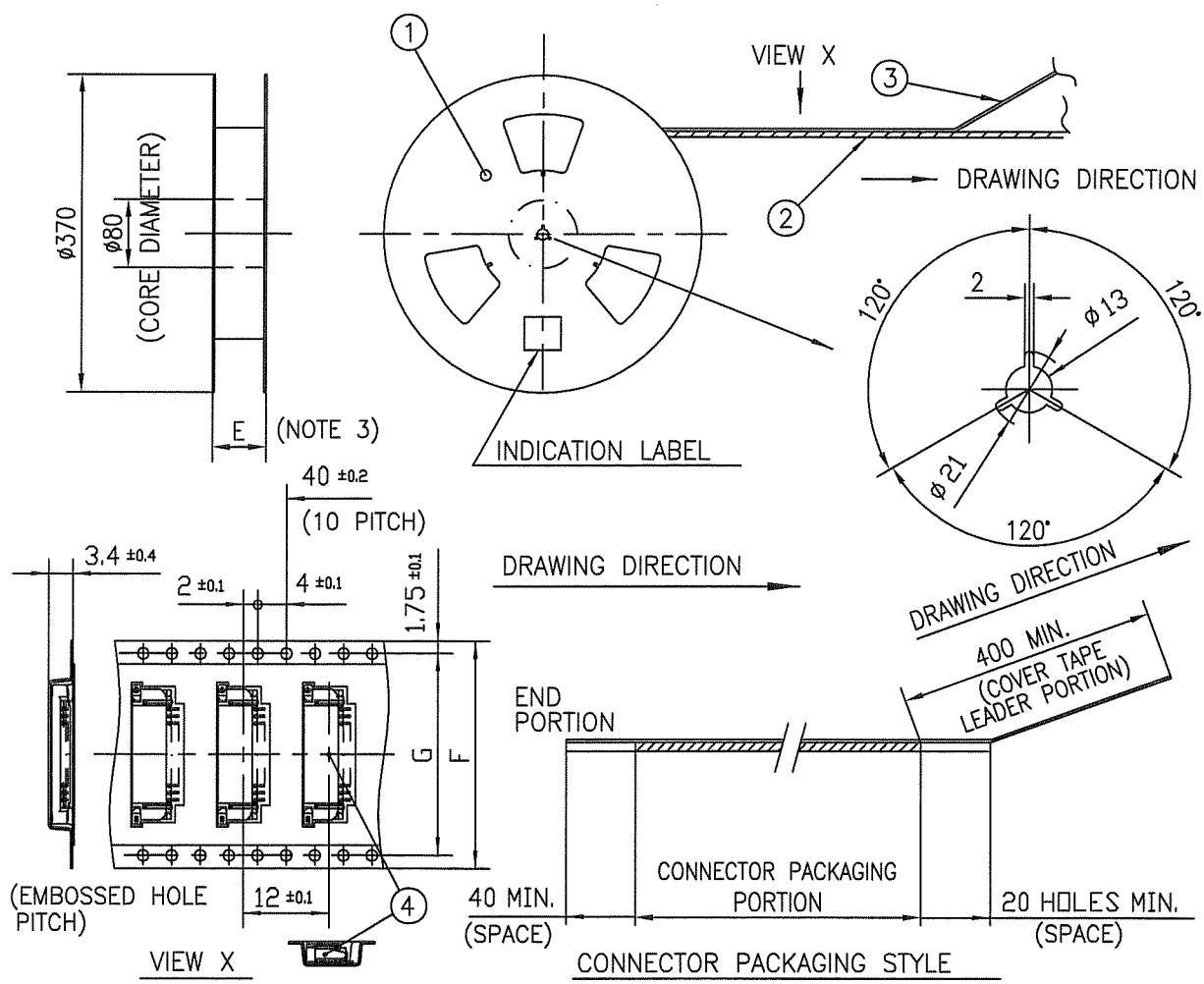

PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	———	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	———	PET	——	COLOR:TRANSPARENCY
3	COVER	———	POLYESTER	——	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-4ST__LF	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

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.

ltr	ecn no	dr	date
AA	J05-0055	H.T	2/4/'05
AB	J06-0398	H.T	9/26/'06
AC	J09-0363	M.Y	2009-10-8

mat'l. code | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection | product family 58RF | CODE JP

tolerances unless otherwise specified: angles ±5° | linear ±5

mm | scale X

title: PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-4STE1 LF)

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S.Nishiura	2009-10-8
appd	S.Asahara	2009-10-8

dwg no JSA 95865 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision sheet	AC 1	Rev. AC

SC_SFW11 JSA95863
form: A4

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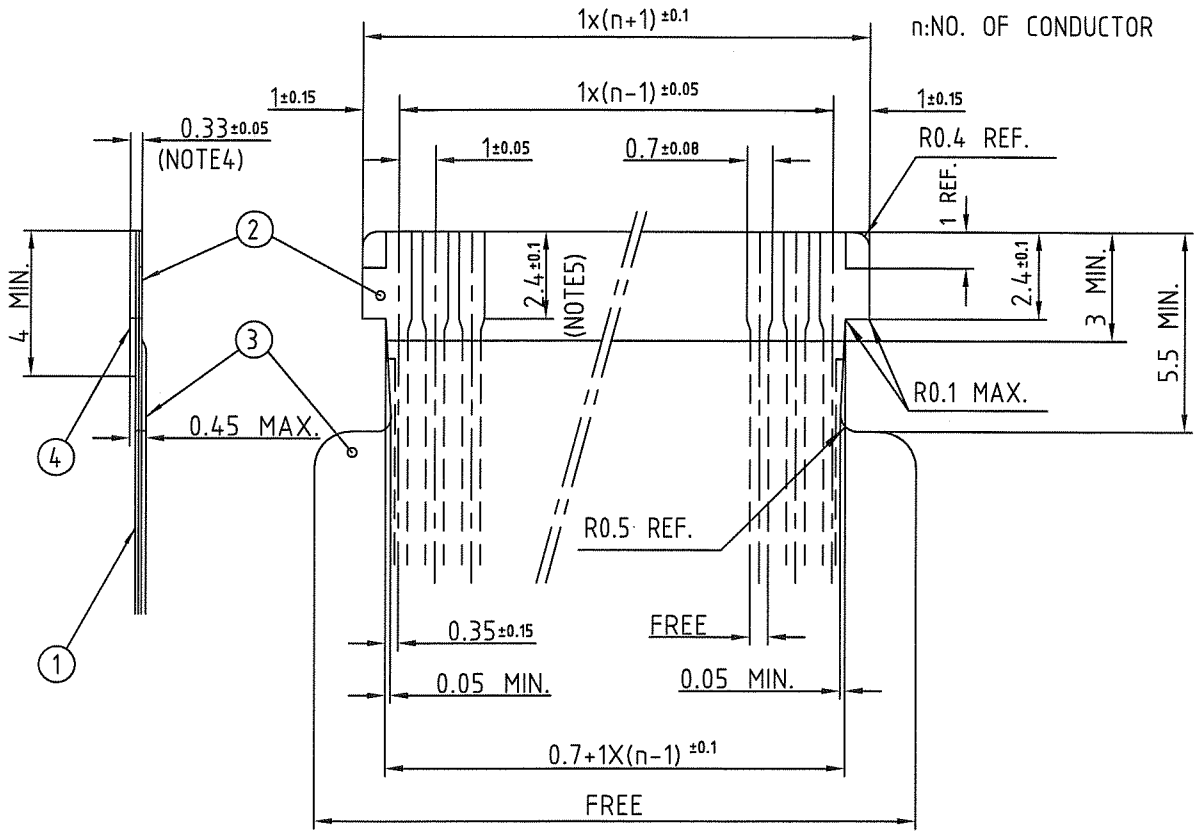
RECOMMENDED CABLE (FPC)



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

ltr	ecn no	dr	date
1	——	——	9/10/'98
AA	J05-0055	H.T	2/4/'05
AB	J06-0398	H.T	9/26/'06
AC	J09-0363	M.Y	2009-10-8

mat'l. code | surface ISO 1302 58 | tolerance ISO 406 ISO 1101 | projection | product family 58RF | CODE JP

tolerances unless otherwise specified: angles | linear

mm

scale X

title: RECOMMENDED CABLE (Cat. No. SFW_R-3/4__)

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S. Mitchell	2009-10-8
appd	S. Anderson	2009-10-8

dwg no JSA 93212 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision	AC
	sheet	1

Rev. AC

form: A4

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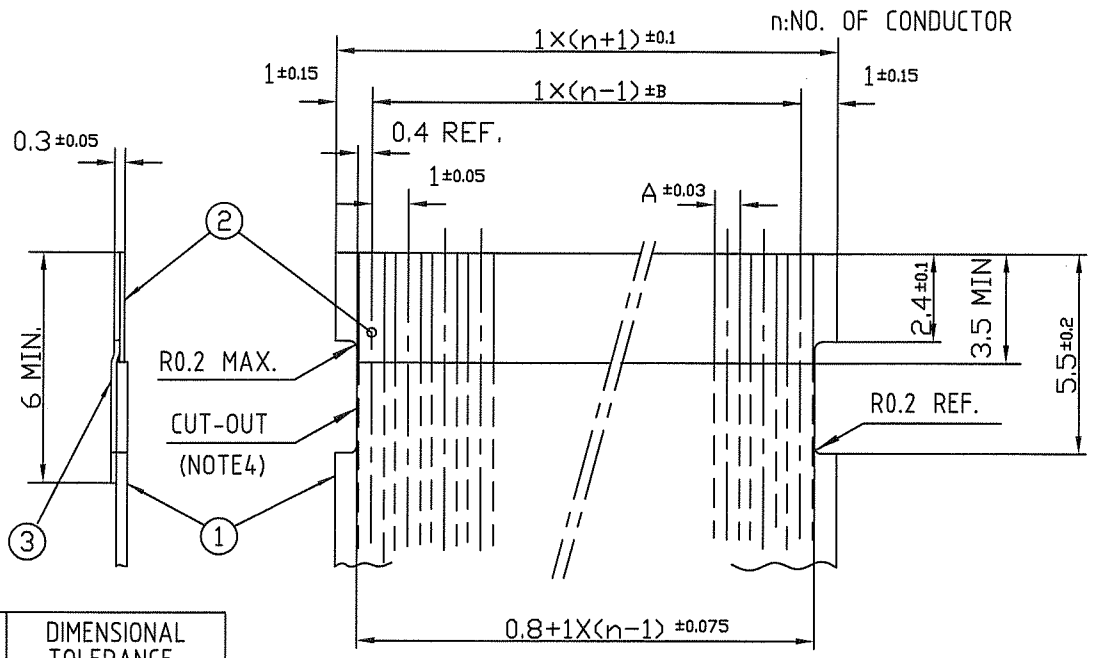
PDM: Rev:AC STATUS:Released Printed: Oct 13, 2009

RECOMMENDED CABLE (FFC)



KIND OF FFC (NOTE5)	DIMENSIONAL TOLERANCE	
	A	B
1	0.7	0.1
2	0.6	0.07

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. THIS DRAWING INDICATES THE FFC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
2. NO BURR AT EACH PORTION.
3. NO PEELING IN COMMON USE.
4. THERE IS A POSSIBILITY THAT THE CAT-OUT CROSSES THE CONDUCTOR BECAUSE OF DIMENSIONAL TOLERANCE.
5. EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL TOLERANCE a AND b.

ltr	ecn no	dr	date
AA	J05-0055	H.T	2/4/'05
AB	J06-0398	H.T	9/26/'06
AC	J09-0363	M.Y	2009-10-8

mat'l. code

surface 58 ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles

linear

projection

mm

scale X

dr	M.YAMASHITA	2009-10-8
engr	M.YAMASHITA	2009-10-8
chr	S.Mitsuhashi	2009-10-8
appd	S.Ando	2009-10-8

product family 58RF

CODE JP

title RECOMMENDED CABLE (Cat. No. SFW_R-3/4__)

dwg no JSA 93213

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision	AC
	sheet	1

Rev. AC

form: A4

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