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-1/2ST__	9.8	8.6	3.0	5.3
5	SFW5R-1/2ST__	10.8	9.6	4.0	6.3
6	SFW6R-1/2ST__	11.8	10.6	5.0	7.3
7	SFW7R-1/2ST__	12.8	11.6	6.0	8.3
8	SFW8R-1/2ST__	13.8	12.6	7.0	9.3
9	SFW9R-1/2ST__	14.8	13.6	8.0	10.3
10	SFW10R-1/2ST__	15.8	14.6	9.0	11.3
11	SFW11R-1/2ST__	16.8	15.6	10.0	12.3
12	SFW12R-1/2ST__	17.8	16.6	11.0	13.3
13	SFW13R-1/2ST__	18.8	17.6	12.0	14.3
14	SFW14R-1/2ST__	19.8	18.6	13.0	15.3
15	SFW15R-1/2ST__	20.8	19.6	14.0	16.3
16	SFW16R-1/2ST__	21.8	20.6	15.0	17.3
17	SFW17R-1/2ST__	22.8	21.6	16.0	18.3
18	SFW18R-1/2ST__	23.8	22.6	17.0	19.3
19	SFW19R-1/2ST__	24.8	23.6	18.0	20.3
20	SFW20R-1/2ST__	25.8	24.6	19.0	21.3
21	SFW21R-1/2ST__	26.8	25.6	20.0	22.3
22	SFW22R-1/2ST__	27.8	26.6	21.0	23.3
23	SFW23R-1/2ST__	28.8	27.6	22.0	24.3
24	SFW24R-1/2ST__	29.8	28.6	23.0	25.3
25	SFW25R-1/2ST__	30.8	29.6	24.0	26.3
26	SFW26R-1/2ST__	31.8	30.6	25.0	27.3
27	SFW27R-1/2ST__	32.8	31.6	26.0	28.3
28	SFW28R-1/2ST__	33.8	32.6	27.0	29.3
29	SFW29R-1/2ST__	34.8	33.6	28.0	30.3
30	SFW30R-1/2ST__	35.8	34.6	29.0	31.3

CAT. NO. SFW (n) R – 1 ST __

- 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

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.

ltr	ecn no	dr	date
4	Redrawn & 27, 29 position added	A.U	'93-7-20
A	J06-0398	H.T	9/26/'06
B	J09-0358	M.Y	2009-10-5

mat'l. code –
surface ISO 1302 58
tolerance ISO 406 ISO 1101
tolerances unless otherwise specified
angles linear
projection
mm
scale X

dr	H.YAMASHITA	2009-10-5
engr	M.YAMASHITA	2009-10-5
chr	S.Watanabe	2009-10-6
appd	S.Andersen	2009-10-6

product family 58RF
CODE JP
title CAT NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2ST__)
dwg no JSA 91598
sheet 1 of 1
size A4
type Product Customer Drawing

sheet index	revision	B
	sheet	1

Rev. B

SC-SFW01 JSA91599 91600 91604 91605
form: A4

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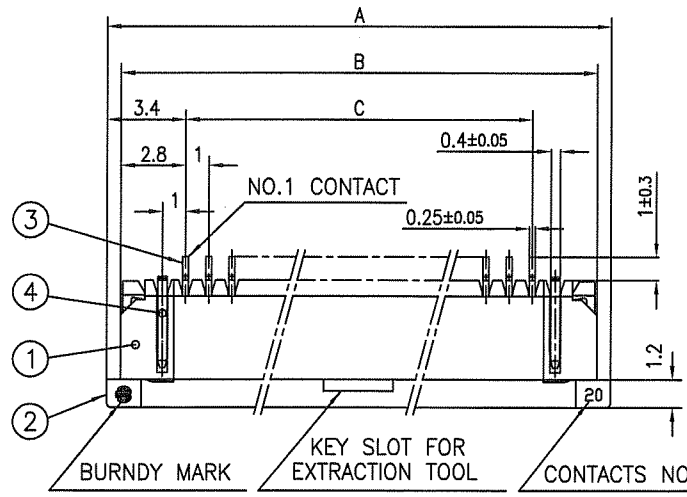
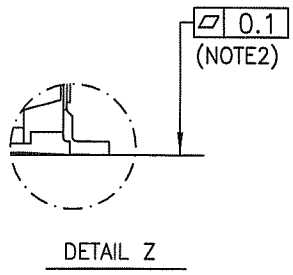
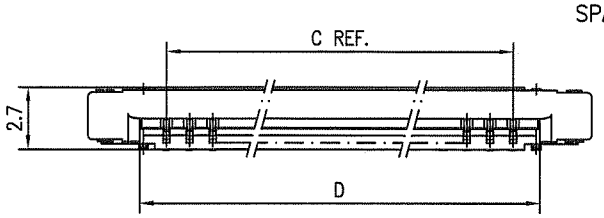
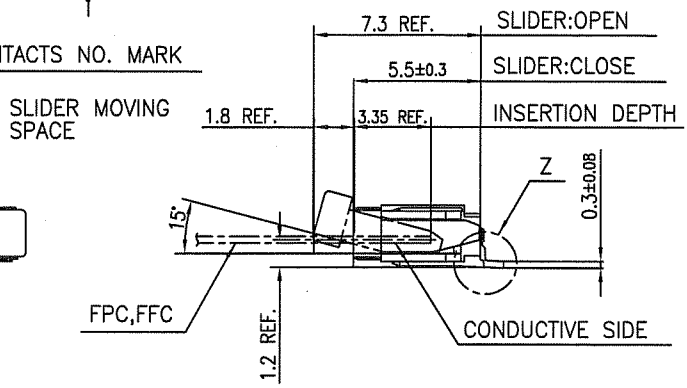
PDM: Rev:B STATUS:Released Printed: Oct 09, 2009





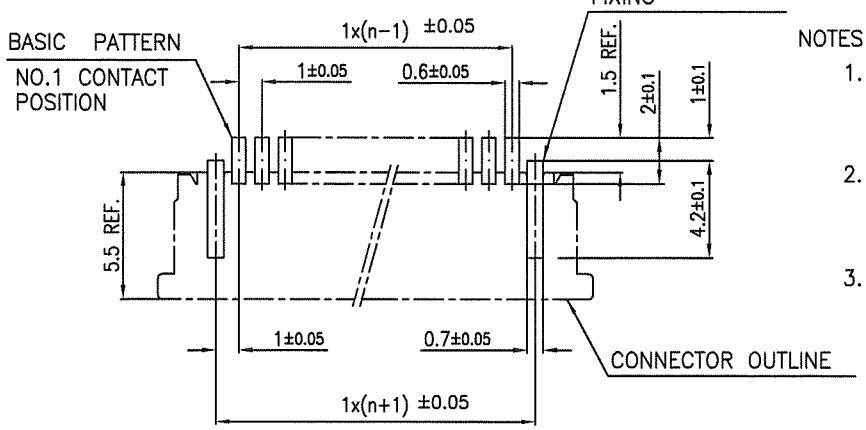




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BROWN
2	SLIDER		1	COLOR:BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN ALLOY
4	MOUNTING PLATE		2	

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.

ltr	ecn no	dr	date
AA	J04-0180	H.T	7/2/'04
AB	J06-0398	H.T	9/26/'06
AC	J09-0358	M.Y	2009-10-5

mat'l. code

surface ISO 1302 58

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles | linear ±0.2

projection

mm

scale X

dr	M.YAMASHITA	2009-10-5
engr	M.YAMASHITA	2009-10-5
chr	S. Nishida	2009-10-6
appd	P. Nakamura	2009-10-6

product family 58RF

CODE JP

title

1mm SPACING SMT CONNECTOR

(Cat. No. SFW__R-1ST__)

dwg no JSA 91599

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision sheet	AC 1

Rev. AC

SC-SFW01 JSA91598
form: A4

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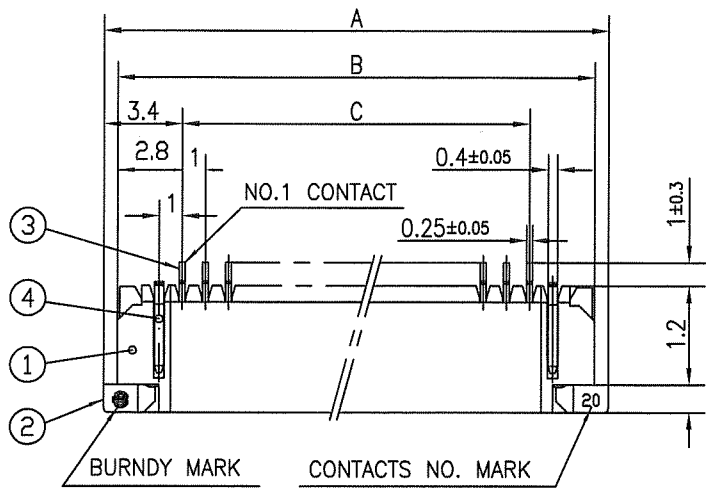
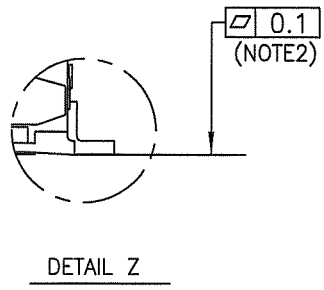
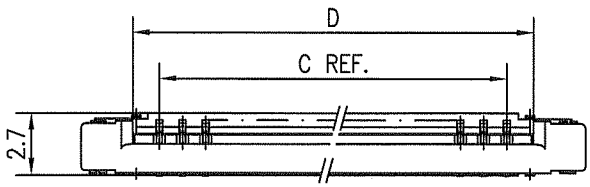
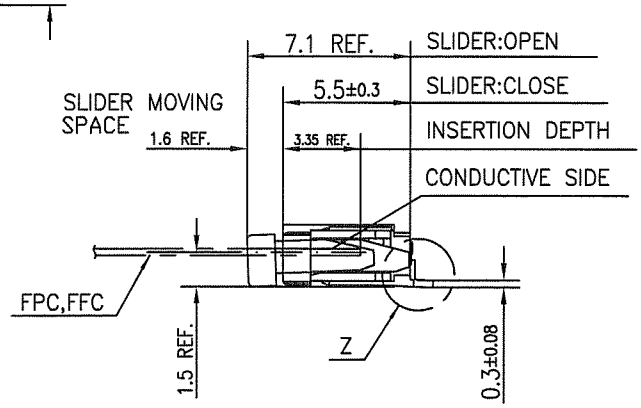




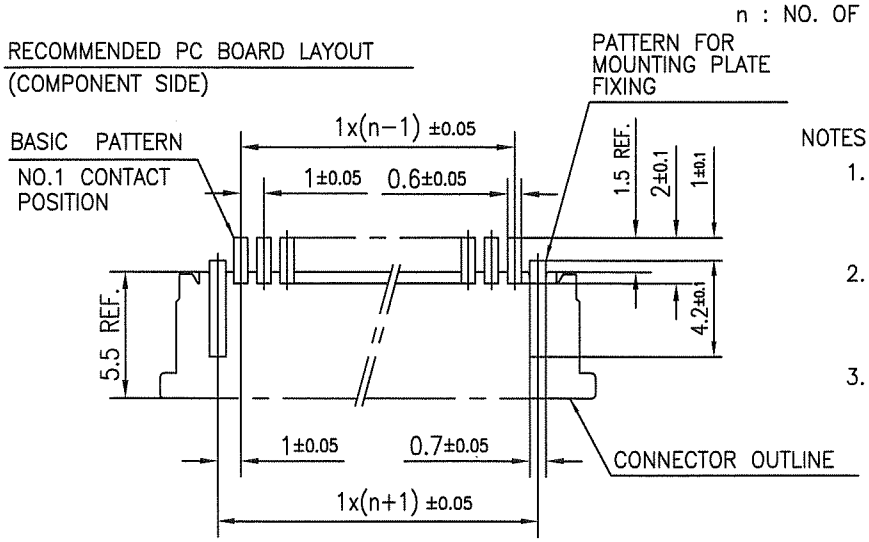




PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR:BROWN
2	SLIDER		1	COLOR:BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING:TIN ALLOY
4	MOUNTING PLATE		2	

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.

ltr	ecn no	dr	date
AA	J04-0180	H.T	7/2/'04
AB	J06-0398	H.T	9/26/'06
AC	J09-0358	M.Y	2009-10-5

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	H.YAMASHITA	2009-10-5
engr	H.YAMASHITA	2009-10-5
chr	S. Watanabe	2009-10-6
appd	S. Andou	2009-10-6

product family 58RF | CODE JP

title
1mm SPACING SMT CONNECTOR
(Cat. No. SFW__R-2ST__)

dwg no JSA 91600 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision	AC
	sheet	1

Rev. AC

SC-SFW01 JSA91598
form: A4

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PDM: Rev:AC STATUS:Released Printed: Oct 09, 2009

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO. (NOTE2)	DIMENSIONS (NOTE3)		
		E ± 5	F ± 0.3	G ± 0.1
4	SFW4R-1/2STE1	20.4	16	—
5	SFW5R-1/2STE1	28.4	24	—
6	SFW6R-1/2STE1	28.4	24	—
7	SFW7R-1/2STE1	28.4	24	—
8	SFW8R-1/2STE1	28.4	24	—
9	SFW9R-1/2STE1	28.4	24	—
10	SFW10R-1/2STE1	28.4	24	—
11	SFW11R-1/2STE1	28.4	24	—
12	SFW12R-1/2STE1	28.4	24	—
13	SFW13R-1/2STE1	36.4	32	28.4
14	SFW14R-1/2STE1	36.4	32	28.4
15	SFW15R-1/2STE1	36.4	32	28.4
16	SFW16R-1/2STE1	36.4	32	28.4
17	SFW17R-1/2STE1	48.4	44	40.4
18	SFW18R-1/2STE1	48.4	44	40.4
19	SFW19R-1/2STE1	48.4	44	40.4
20	SFW20R-1/2STE1	48.4	44	40.4
21	SFW21R-1/2STE1	48.4	44	40.4
22	SFW22R-1/2STE1	48.4	44	40.4
23	SFW23R-1/2STE1	48.4	44	40.4
24	SFW24R-1/2STE1	48.4	44	40.4
25	SFW25R-1/2STE1	48.4	44	40.4
26	SFW26R-1/2STE1	48.4	44	40.4
27	SFW27R-1/2STE1	48.4	44	40.4
28	SFW28R-1/2STE1	60.4	56	52.4
29	SFW29R-1/2STE1	60.4	56	52.4
30	SFW30R-1/2STE1	60.4	56	52.4

CAT. NO. SFW (n) R –1 ST E1

- 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

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.

ltr	ecn no	dr	date
4	REDRAWN & 27,29 POSITIONS ADDED.	A.U	7/20/'93
A	J06-0398	H.T	9/26/'06
B	J09-0358	M.Y	2009-10-5

mat'l. code –
surface ISO 1302 58
tolerance ISO 406 ISO 1101
tolerances unless otherwise specified
angles linear
projection
mm
scale %

dr	M.YAMASHITA	2009-10-5
engr	M.YAMASHITA	2009-10-5
chr	S. Nishida	2009-10-6
appd	S. Ondera	2009-10-6

product family 58RF
CODE JP
title CAT NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STE1)
dwg no JSA 91601
sheet 1 of 1
size A4
type Product Customer Drawing

sheet index | revision sheet | B 1
Rev. B

SC-SFW01 form: A4
JSA91602 91603 91598 91599 91600 91604 91605

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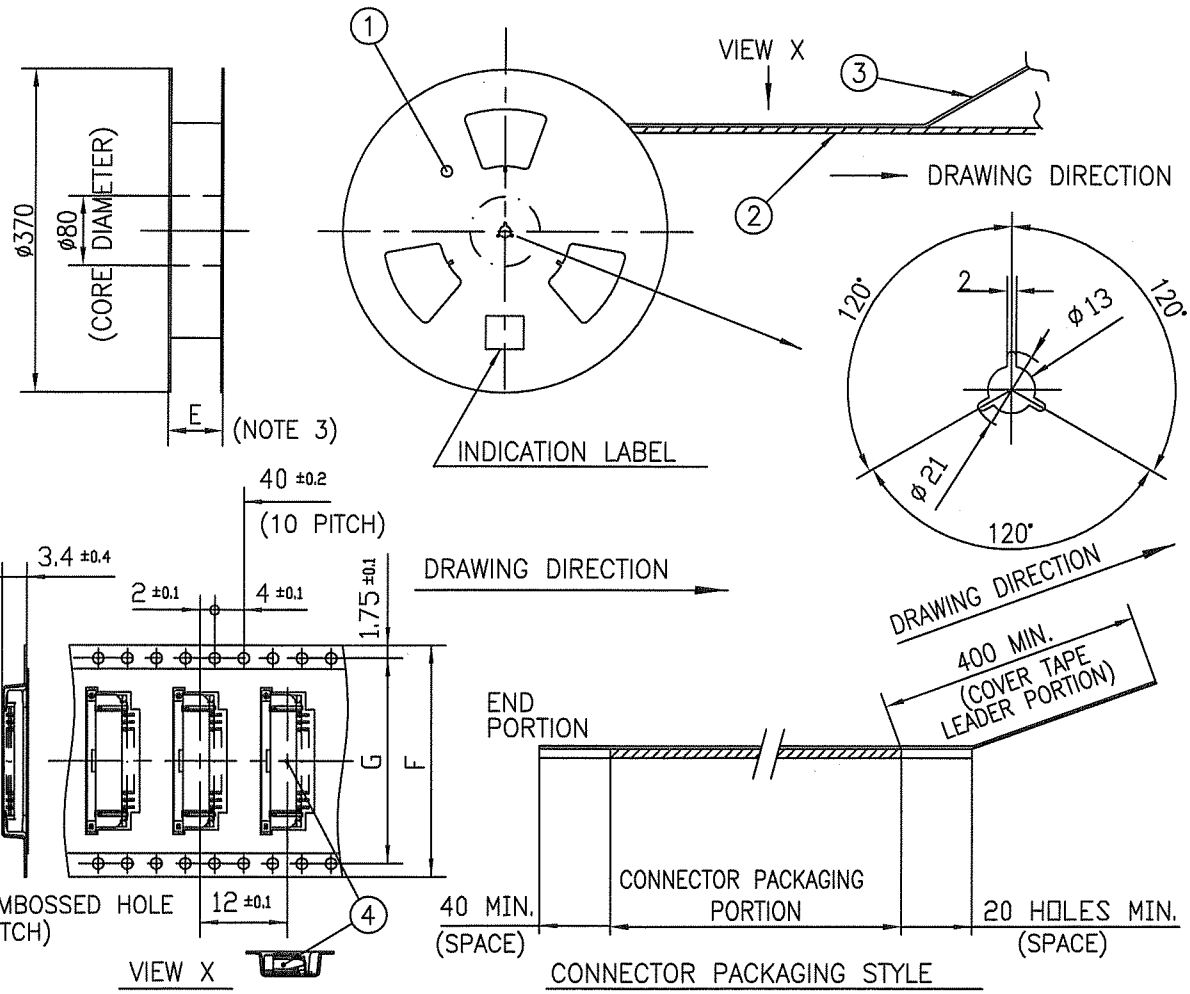

CONNECTOR PACKAGING STYLE

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	SURFLOK CONNECTOR	SFW___R-1ST___	SEE ATTACHED DWG.	2000	LOWER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR 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
1	—	M.H	4/21/'94
2	—	M.K	6/27/'96
A	J06-0398	H.T	9/26/'06
B	J09-0358	M.Y	2009-10-5

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

dr	M.YAMAGUCHI	2009-10-5
engr	M.YAMAGUCHI	2009-10-5
chr	S. Watabe	2009-10-6
appd	T. Okabayashi	2009-10-6

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

dwg no JSA 91602 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision	B
	sheet	1

Rev. B

SC-SFW01 JSA91601
form: A4

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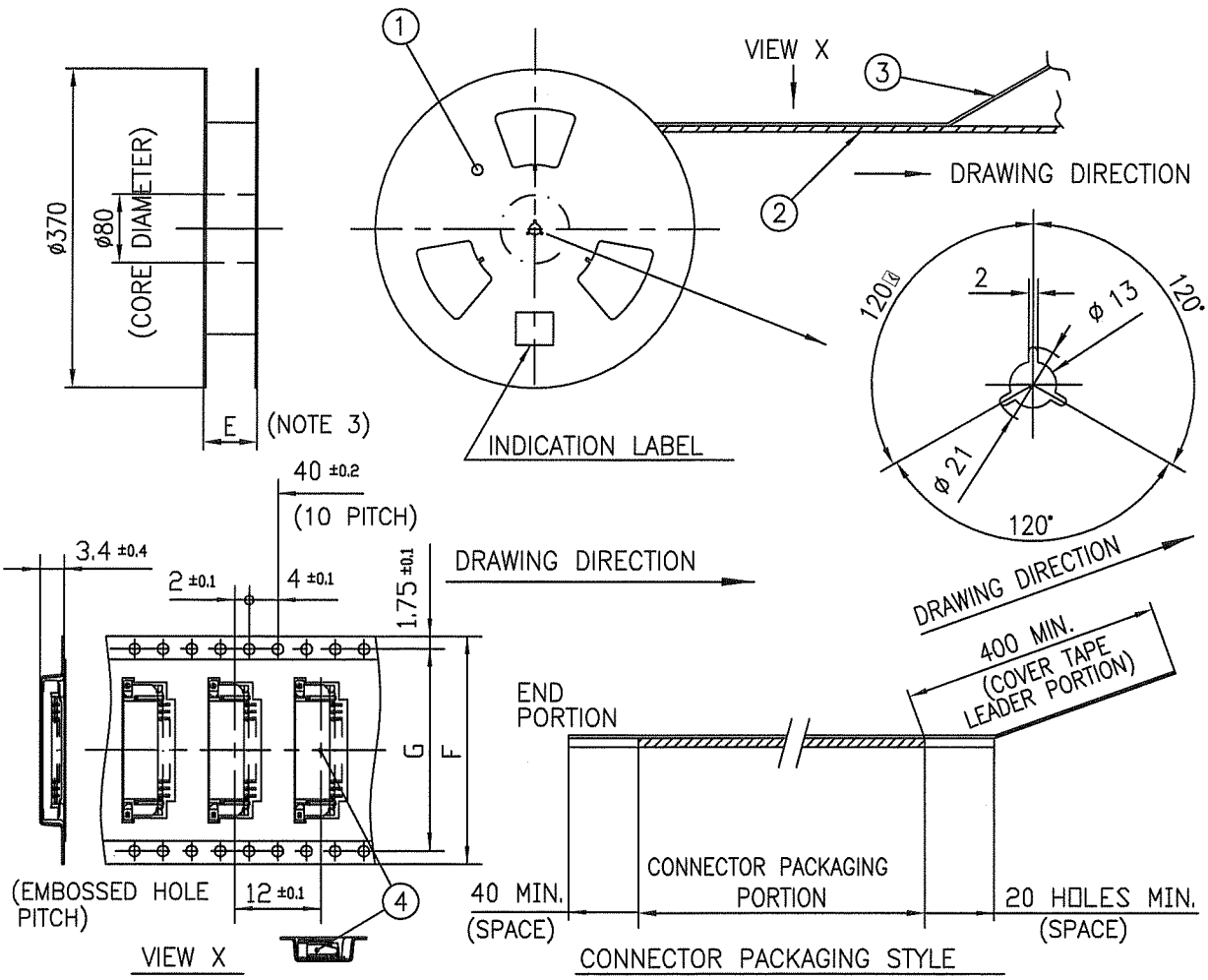

PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	———	CARDBOARD	1	COLOR:WHITE
2	PLASTIC (EMBOSS) TAPE	———	PET	——	COLOR:TRANSPARENCY
3	COVER	———	POLYESTER	——	COLOR:TRANSPARENCY
4	SURFLOK CONNECTOR	SFW__R-2ST__	SEE ATTACHED DWG.	2000	UPPER CONTACT TYPE

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR 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
1	——	M.H	4/21/'94
2	——	M.K	6/27/'96
A	J06-0398	H.T	9/26/'06
B	J09-0358	M.Y	2009-10-5

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

dr	M.YAMAGUCHI	2009-10-5
engr	M.YAMAGUCHI	2009-10-5
chr	S.Wichard	2009-10-6
appd	S.Audouin	2009-10-6

title: PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STE1)

dwg no JSA 91603 | sheet 1 of 1 | size A4

type Product Customer Drawing

sheet index	revision	sheet	Rev.
	B	1	B

SC-SFW01 JSA91601 form: A4

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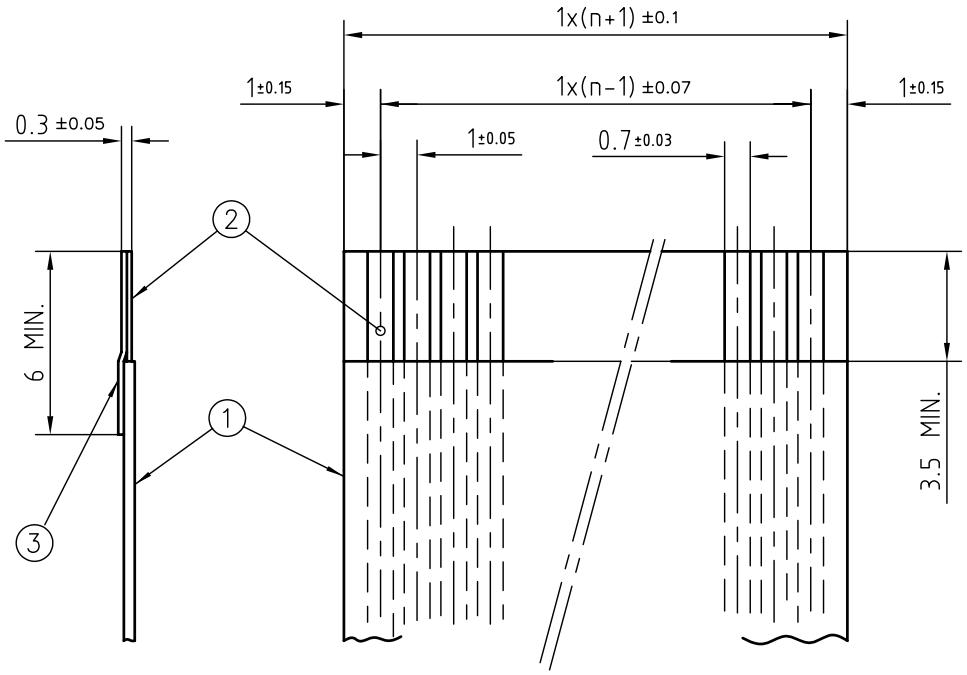
RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTOR



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. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. A AC SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

ltr	ecn no	dr	date
AA	J05-0055	H.T	05-02-04
AB	J06-0398	H.T	06-09-26
AC	S08-0276	DGOH	08-08-22

mat'l. code

surface ISO 1302 58

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles | linear

projection

mm

scale X

dr	H. TAKAKURA	06-09-26
engr	H. TAKAKURA	06-09-26
chr	DENNIS GOH	08-08-22
appd	JOEY NG	08-08-22

product family 58RF

CODE JP

title RECOMMENDED CABLE (Cat. No. SFW__R-1/2___)

dwg no JSA 91604

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision	AC
	sheet	1

Rev. AC

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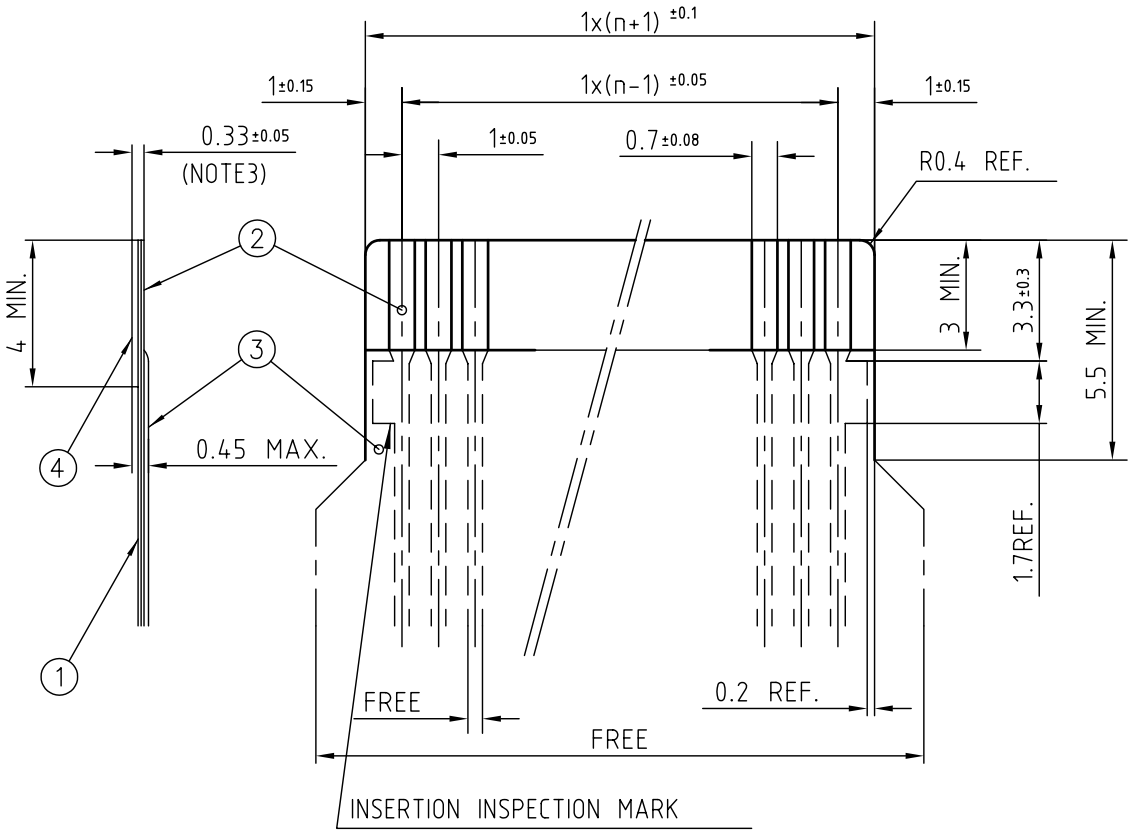
RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTOR



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. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
4. A AC SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

ltr	ecn no	dr	date
AA	J05-0055	H.T	05-02-04
AB	J06-0398	H.T	06-09-26
AC	S08-0276	DGOH	08-08-22

mat'l. code

surface ISO 1302 58

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles | linear

projection

mm

scale X

product family 58RF

CODE JP

title RECOMMENDED CABLE (Cat. No. SFW__R-1/2___)

dr	H. TAKAKURA	06-09-26
engr	H. TAKAKURA	06-09-26
chr	DENNIS GOH	08-08-22
appd	JOEY NG	08-08-22

dwg no JSA 91605

sheet 1 of 1

size A4

type Product Customer Drawing

sheet index	revision	AC
	sheet	1

Rev. AC

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form: A4

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