


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

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPS WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.
3. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

CAT. NO. SFW (n) R - 1 ST __ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE


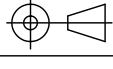

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

LEAD FREE

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mat'l. code				surface 58  tolerance ISO 1302 ISO 406 ISO 1101	projection 	product family 58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		title CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2ST__LF)	
AA	J05-0055	H.T	05-02-04	angles	linear		
AB	J06-0398	H.T	06-09-26				
AC	S08-0276	DGOH	08-08-22			scale 	
				dr	H. TAKAKURA	06-09-26	
				engr	H. TAKAKURA	06-09-26	
				chr	DENNIS GOH	08-08-22	
				appd	JOEY NG	08-08-22	
sheet index	revision	AC					
	sheet	1					

SC-SFW10 JSA95855 95856 95857 95858 95859 91605 91604

form: A4

PDM: Rev:AC

STATUS: Released


Printed: Nov 01, 2009

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

n : NO. OF CONTACTS

NOTES

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

3. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING. REVISION.

mat'l. code				surface 58		tolerance ISO 1302		projection		product family 58RF		CODE JP	
ltr				ecn no		dr		date		tolerances unless otherwise specified		title	
AA				J04-0180		H.T		04-07-02		angles		linear	
AB				J05-0055		H.T		05-02-04		linear		linear	
AC				J05-0736		H.T		05-10-28		linear		linear	
AD				J06-0398		H.T		06-09-26		dr		H. TAKAKURA	
AE				S08-0276		DGOH		08-08-22		engr		H. TAKAKURA	
										chr		DENNIS GOH	
										appd		JOEY NG	

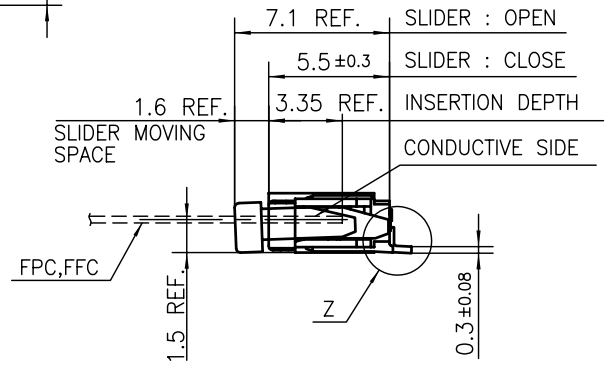
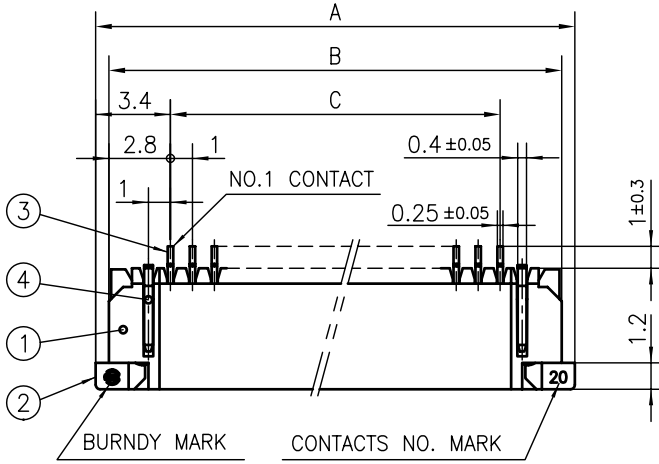
sheet index		revision		AE														Rev. AE	
1		1		1															

SC_SF10 JSA95854
form: A4

1 2



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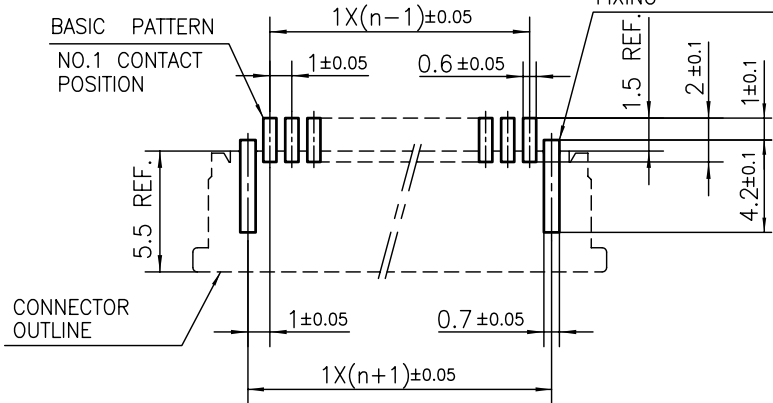
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	

n : NO. OF CONTACTS

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.
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.
6. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



mat'l. code				surface	58	tolerance	ISO 1302	ISO 406	ISO 1101	projection	product family	58RF	CODE	JP
ltr	ecn no	dr	date	tolerances unless otherwise specified		±0.2	linear		mm	scale	title			
AA	J04-0180	H.T	04-07-02								1mm SPACING SMT CONNECTOR			
AB	J05-0055	H.T	05-02-04								(Cat. No. SFW__R-2ST__LF)			
AC	J05-0736	H.T	05-10-28								dwg no			sheet 1 of 1
AD	J06-0398	H.T	06-09-26	dr	H. TAKAKURA	06-09-26					JSA 95856			size
AE	S08-0276	DGOH	08-08-22	engr	H. TAKAKURA	06-09-26								A4
				chr	DENNIS GOH	08-08-22								
				appd	JOEY NG	08-08-22					type			Product Customer Drawing
sheet	revision	AE												Rev.
index	sheet	1												AE

SC_SFW10 JSA95854

form: A4

CAT. NO. & DIMENSIONS

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

CAT. NO.

SFW (n) R - 1 ST E1 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION


1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

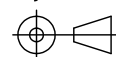
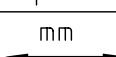
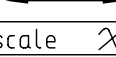

FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l. code				surface 58 / tolerance ISO 406 ISO 1302 ✓ ISO 1101			projection 		product family 58RF				CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified					title CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STE1 LF)						
AA	J05-0055	H.T	05-02-04	angles	linear										
AB	J06-0398	H.T	06-09-26				scale 		dwg no sheet 1 of 1 JSA 95857 size A4						
AC	S08-0276	DGOH	08-08-22												
				dr	H. TAKAKURA	06-09-26			type Product Customer Drawing						
				engr	H. TAKAKURA	06-09-26									
				chr	DENNIS GOH	08-08-22									
				appd	JOEY NG	08-08-22									
sheet index	revision sheet	AC 1													Rev. AC

SC_SFW10

form: A4


JSA95854 95858 95859

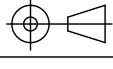



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PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR:WHITE/GREY
2	PLASTIC (EMBOSS) TAPE	_____	PET	_____	COLOR:TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR:TRANSPARENCY
4	CONNECTOR	SFW__R-1ST__LF	SEE ATTACHED DWG.	2000	LOWER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

NOTES


1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES 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.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.




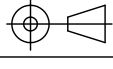
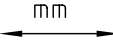
mat'l. code				surface 58	tolerance ISO 1302	projection	product family	CODE	
				ISO 1302	ISO 406		58RF	JP	
				ISO 1101	ISO 1101				
				tolerances unless otherwise specified					
ltr	ecn no	dr	date	angles	linear	mm	title		
AA	J05-0055	H.T	05/02/04		±5		PLASTIC TAPE PACKAGED		
AB	J06-0398	H.T	06/09/26				1mm SPACING SMT CONNECTOR		
AC	S08-0276	DGOH	08-08-22	±5°		scale	(Cat. No. SFW__R-1STE1 LF)		
				dr	H. TAKAKURA	06-09-26	dwg no		
				enr	H. TAKAKURA	06-09-26	sheet 1 of 1		
				chr	DENNIS GOH	08-08-22	size		
				appd	JOEY NG	08-08-22	A4		
							type Product Customer Drawing		
sheet index		revision	AC					Rev. AC	
sheet		1							

SC_SFW10 JSA95857
form: A4

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

NOTES

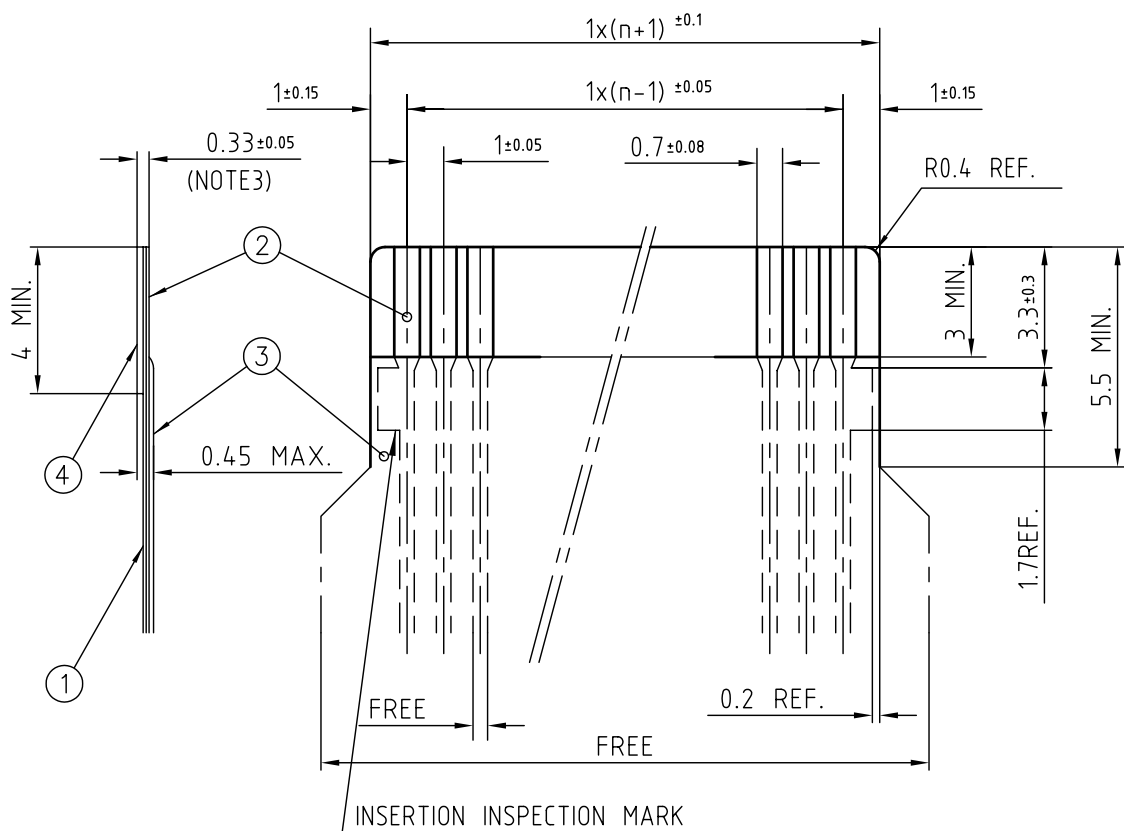
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l. code				surface 58  tolerance ISO 1302  ISO 406  ISO 1101		projection 		product family 58RF		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified				title		dwg no		
AA	J05-0055	H.T	05-02-04	angles	linear	mm		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2STE1 LF)		sheet 1 of 1		
AB	J06-0398	H.T	06-09-26	±5°						size A4		
AC	S08-0276	DGOH	08-08-22	±5°						type Product Customer Drawing		
				dr	H. TAKAKURA	06-09-26						
				enr	H. TAKAKURA	06-09-26						
				chr	DENNIS GOH	08-08-22						
				appd	JOEY NG	08-08-22						
sheet index		revision	AC									Rev. AC
1		sheet	1									

SC_SFW10 form: A4 JSA95857


RECOMMENDED CABLE (FPC)

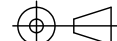



n : NO. OF CONDUCTOR



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  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l. code				surface 58 ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 			product family 58RF						CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified										title RECOMMENDED CABLE (Cat. No. SFW__R-1/2__)							
AA	J05-0055	H.T	05-02-04	angles		linear															
AB	J06-0398	H.T	06-09-26																		
AC	S08-0276	DGOH	08-08-22								scale 			dwg no sheet 1 of 1 JSA 91605 size A4							
				dr	H. TAKAKURA		06-09-26														
				engr	H. TAKAKURA		06-09-26														
				chr	DENNIS GOH		08-08-22														
				appd	JOEY NG		08-08-22														
sheet index		revision	AC																Rev. AC		
		sheet	1																		

form: A4

1

2

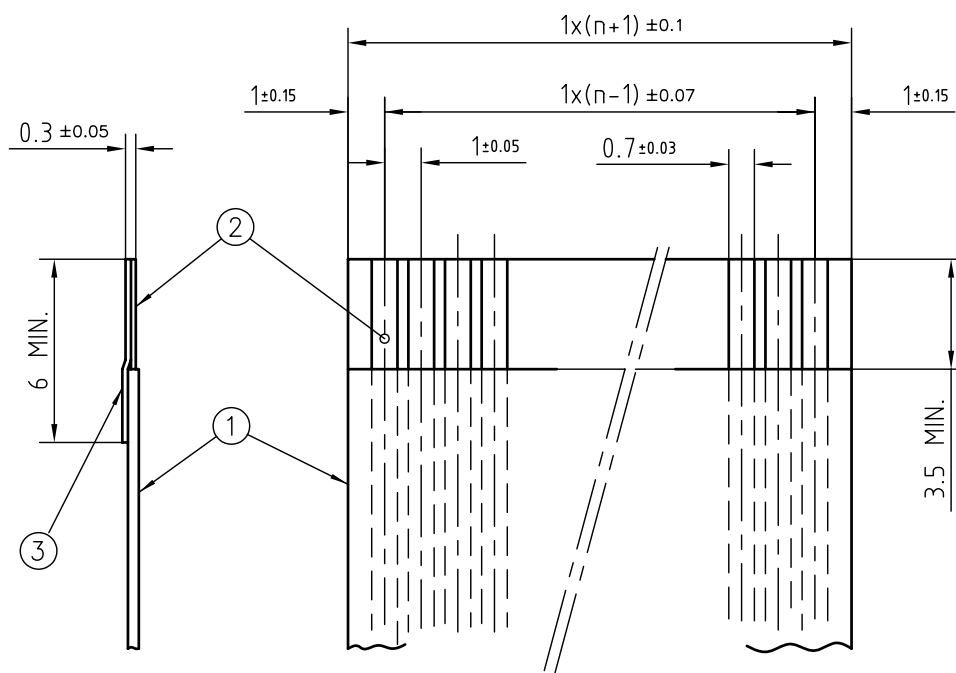
PDM: Rev:AC

STATUS:Released

Printed: Jun 02, 2010


RECOMMENDED CABLE (FFC)


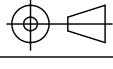
n : NO. OF CONDUCTOR



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  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l. code				surface 58  tolerance ISO 406 ISO 1101		projection 		product family 58RF		CODE JP	
ltr				ecn no		dr		date		title	
AA				J05-0055		H.T		05-02-04		RECOMMENDED CABLE	
AB				J06-0398		H.T		06-09-26		(Cat. No. SFW__R-1/2__)	
AC				S08-0276		DGOH		08-08-22			
				dr		H. TAKAKURA		06-09-26		dwg no	
				enr		H. TAKAKURA		06-09-26		sheet 1 of 1	
				chr		DENNIS GOH		08-08-22		size	
				appd		JOEY NG		08-08-22		A4	
sheet index				revision		AC				type	
sheet				1						Product Customer Drawing	
										Rev. AC	

form: A4

1

2

PDM: Rev:AC

STATUS:Released

Printed: Jun 02, 2010