

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

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


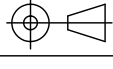
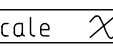
FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

LEAD FREE

NOTES

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

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 1

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 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.
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	

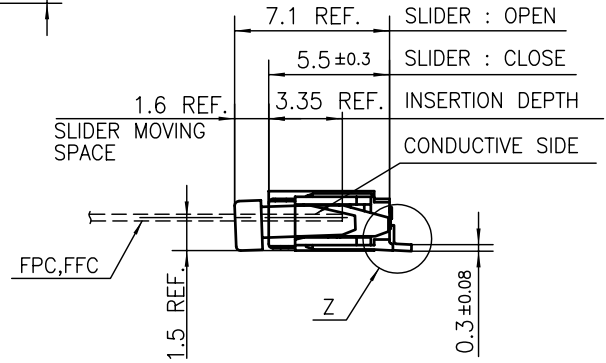
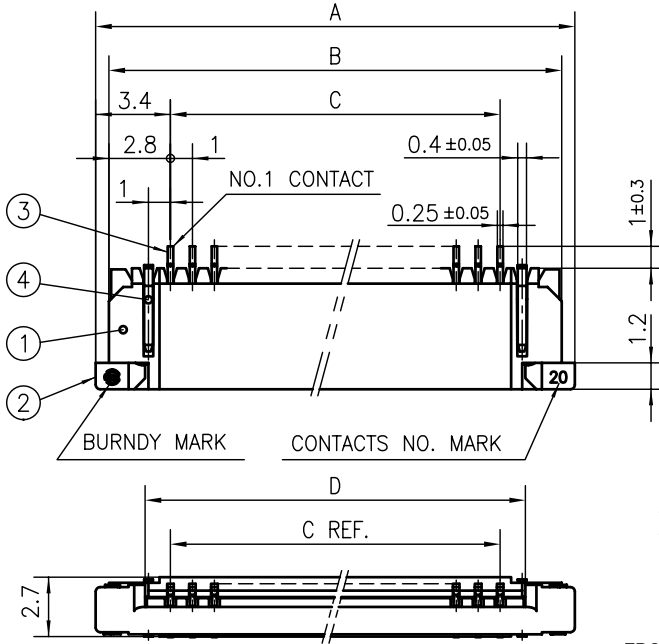
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form: A4

1 2



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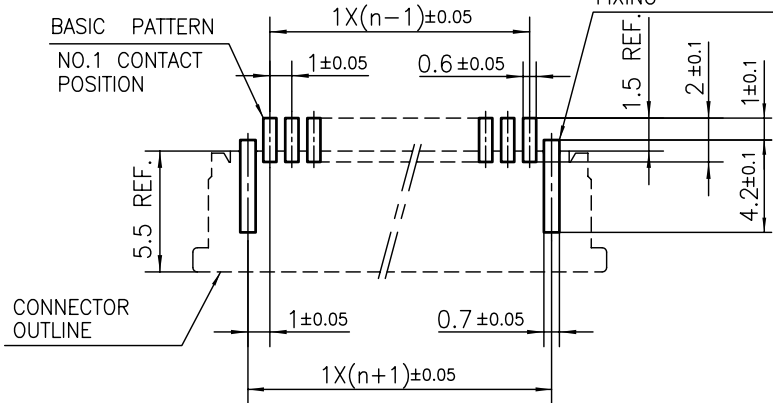
PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BROWN
2	SLIDER		1	COLOR : BLACK
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : TIN
4	MOUNTING PLATE		2	





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 ISO 1302				tolerance ISO 406 ISO 1101				projection 				product family 58RF								CODE JP																	
ltr ecn no dr date				tolerances unless otherwise specified												title 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2ST__LF)																									
AA J04-0180 H.T 04-07-02				angles				linear ±0.2																																	
AB J05-0055 H.T 05-02-04												scale 				dwg no sheet 1 of 1 size JSA 95856 A4																									
AC J05-0736 H.T 05-10-28																																									
AD J06-0398 H.T 06-09-26				dr		H. TAKAKURA 06-09-26								type Product Customer Drawing																											
AE S08-0276 DGOH 08-08-22				engr		H. TAKAKURA 06-09-26																																			
				chr		DENNIS GOH 08-08-22																																			
				appd		JOEY NG 08-08-22																																			
sheet index		revision		AE																						Rev.															
		sheet		1																				AE																	

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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


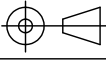
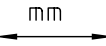

FOR AUTOMATIC MOUNTING (SMT)

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 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 size JSA 95857 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	AC						Rev. AC


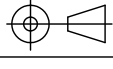



SC_SFW10 JSA95854 95858 95859

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-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.

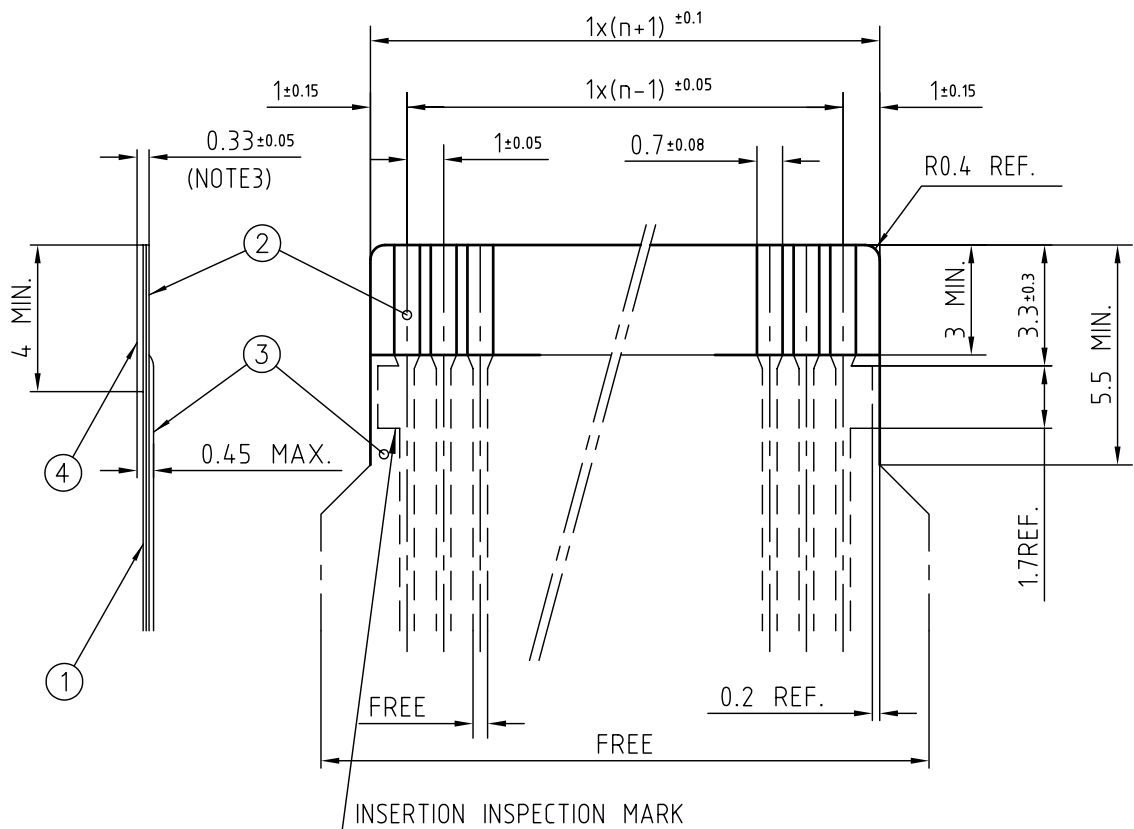
mat'l. code				surface 58  tolerance ISO 406 ISO 1101		projection 		product family 58RF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title		dwg no	
AA	J05-0055	H.T	05/02/04	angles	linear	mm		PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1STE1 LF)		sheet 1 of 1	
AB	J06-0398	H.T	06/09/26							size A4	
AC	S08-0276	DGOH	08-08-22	±5°		scale 					
				dr	H. TAKAKURA	06-09-26			type Product Customer Drawing		Rev. AC
				enr	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 JSA95857
form: A4

1										2									
B										B									
VIEW X										VIEW X									
CONNECTOR PACKAGING STYLE										CONNECTOR PACKAGING STYLE									
PT. NO.										PARTS NAME									
1										REEL									
2										PLASTIC (EMBOSS) TAPE									
3										COVER									
4										CONNECTOR									
CAT. NO.										SFW__R-2ST__LF									
MATERIAL										SEE ATTACHED DWG.									
Q'TY										2000									
NOTE										UPPER CONTACT TYPE									
NOTES										1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).									
NOTES										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.									
NOTES										3. E DIMENSION IS PORTION OF THE CORE.									
NOTES										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									
ltr										ecn no									
AA										J05-0055									
AB										J06-0398									
AC										S08-0276									
dr										H. TAKAKURA									
engr										H. TAKAKURA									
chr										DENNIS GOH									
appd										JOEY NG									
sheet index										revision									
1										1									
SC_SFW10										JSA95857									
form: A4										1									
2										2									


RECOMMENDED CABLE (FPC)

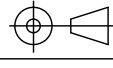
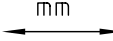


n : NO. OF CONDUCTOR



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 		<div>dwg no</div> <div>sheet 1 of 1</div> <div>JSA 91605</div> <div>size A4</div>									
				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									type Product Customer Drawing								
		sheet	1									Rev. AC								

form: A4

1

2

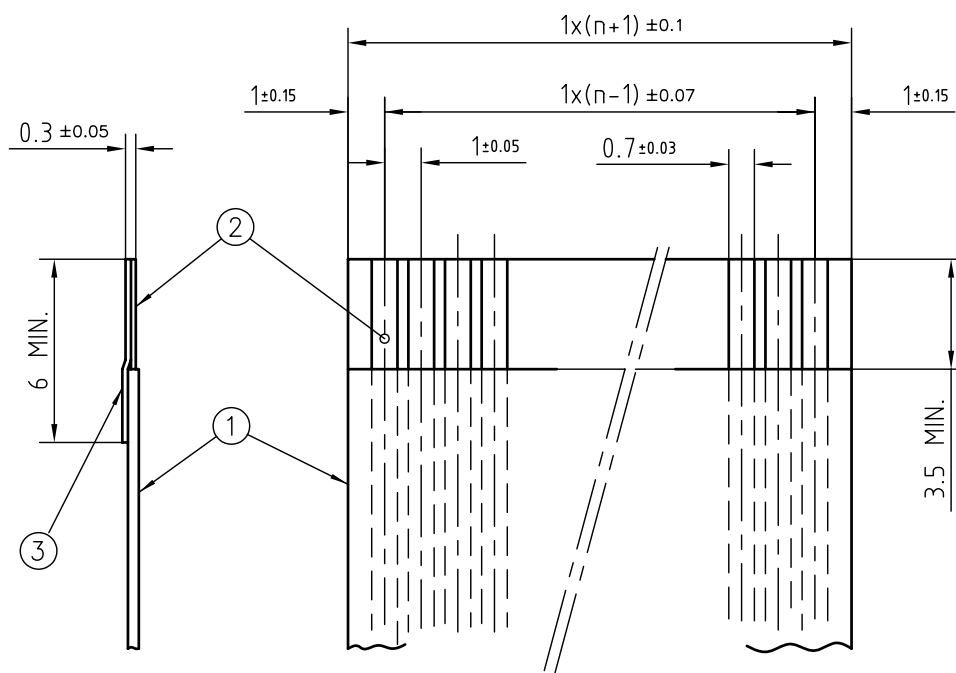
PDM: Rev:AC

STATUS:Released

Printed: Jun 02, 2010


RECOMMENDED CABLE (FFC)


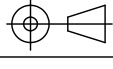


n : NO. OF CONDUCTOR



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 1302 ISO 406 ISO 1101	projection 	product family 58RF	CODE JP
ltr	ecn no	dr	date	tolerances unless otherwise specified	mm	title RECOMMENDED CABLE (Cat. No. SFW__R-1/2__)	
AA	J05-0055	H.T	05-02-04	angles linear	mm		
AB	J06-0398	H.T	06-09-26			dwg no sheet 1 of 1 size JSA 91604 A4	
AC	S08-0276	DGOH	08-08-22		scale 		
				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	AC					Rev. AC

form: A4

1

2

PDM: Rev:AC

STATUS:Released

Printed: Jun 02, 2010