

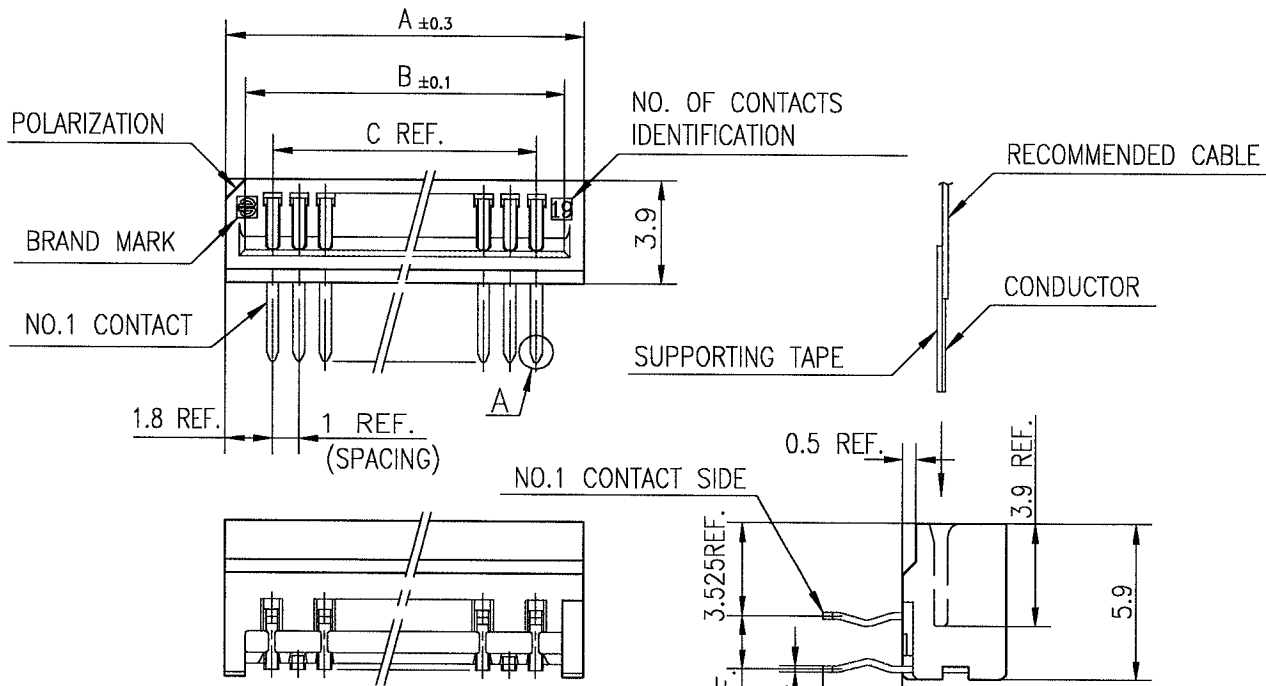
CAT. NO. & DIMENSIONS

CAT. NO.	HLW	(n)	R	- 2C7	LF
SERIES					
NO. OF CONTACTS					
R : RIGHT ANGLE TYPE					
S : STRAIGHT TYPE					
VARIATION					
LEAD FREE					

1. SEE PART DRAWINGS FOR
DIMENSIONS A~C.

SC-HL W05 JSA96405 96406 93382 93383

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	RELEASED	J05-0270	H.T	5/10/05
B	Added heat resistance	J05-0735	H.T	10/28/05



MATERIAL

INSULATOR : PBT RESIN GLASS REINFORCED (UL94V-0)
 COLOR : BLACK
 CONTACT : PHOSPHOR BRONZE
 PLATING : TIN

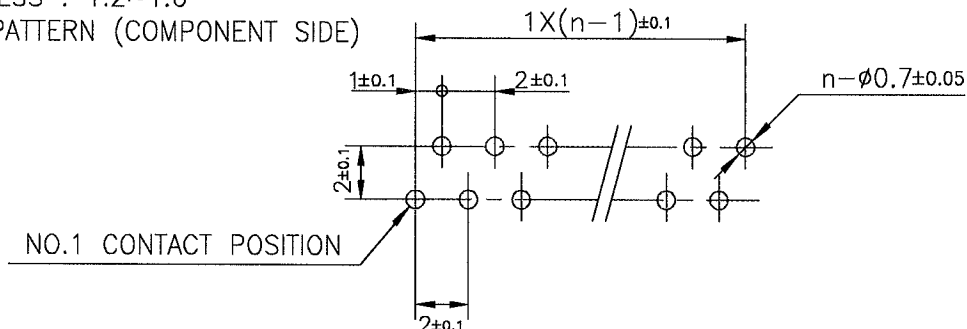
NOTE

- 1.THIS PRODUCT IS RIGHT ANGLE TYPE CONNECTOR.
- 2.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 3.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm THICK CIRCUIT BOARD.

RECOMMENDED PC BORAD

THICKNESS : 1.2~1.6
 HOLE PATTERN (COMPONENT SIDE)

n : NO. OF CONTACTS



SHEET INDEX	ISSUE	B															
	SH NO.	1															
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR		DATE		CUSTOMER COPY		TITLE 1mm SPACING CONNECTOR FOR FPC/FFC (Cat. No. :HLW__R-2C7LF)								
±0.2			ENGR		10/31/05												
LINEAR			CHK		10/31/05		THIRD ANGLE PROJ		PRODUCT FAMILY 58JF								
ANGLES			APPD		11/1/05		UNIT										
DO NOT SCALE PRINT			THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										SCALE	SIZE	DWG. NO.	REV	SHEET
DF-140A REV A													×	A	JSA 96405	B	1 of 1

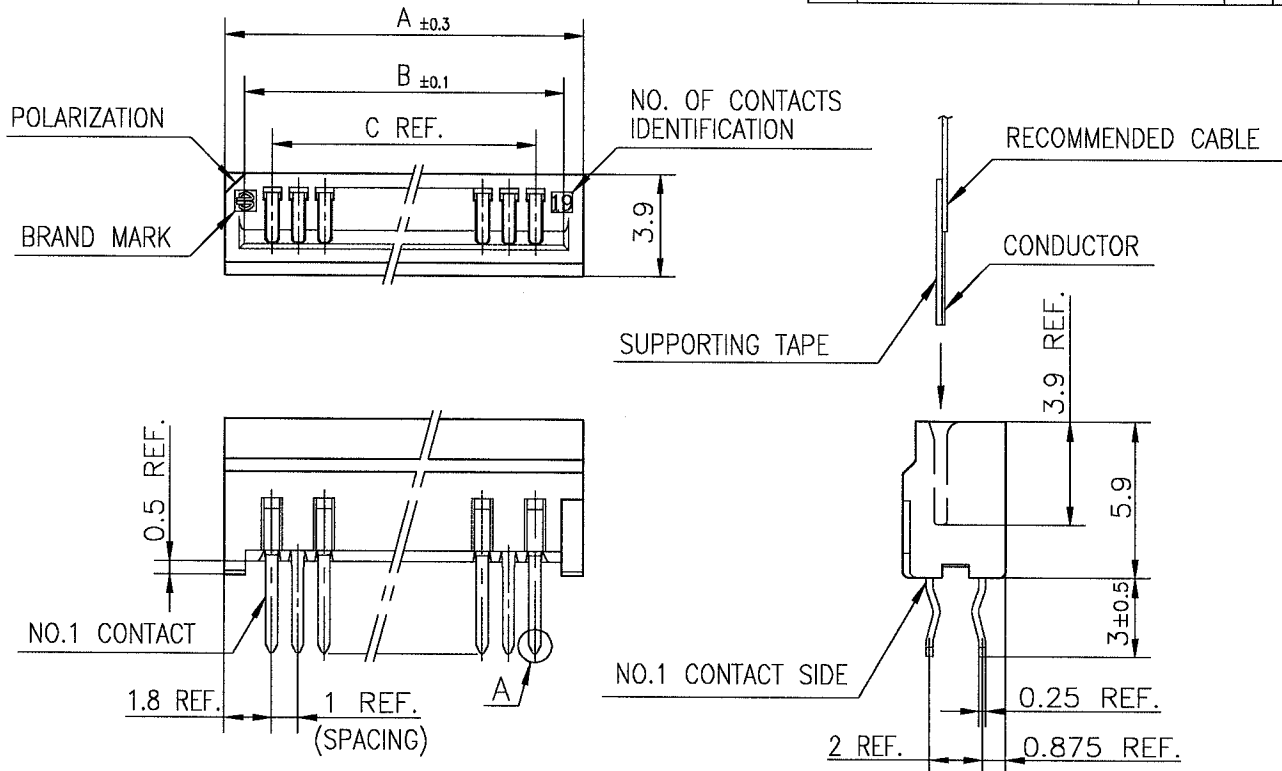
SC-HLW05 JSA96403

PDM: Rev:B

STATUS:Released

Printed: Nov 29, 2005

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	RELEASED	J05-0270	H.T	5/10/05
B	Added heat resistance	J05-0735	H.T	10/28/05



MATERIAL

INSULATOR : PBT RESIN GLASS REINFORCED (UL94V-0)

COLOR : BLACK

CONTACT : PHOSPHOR BRONZE

PLATING : TIN

NOTE 1. THIS PRODUCT IS STRAIGHT TYPE CONNECTOR.

2. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

3. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm THICK CIRCUIT BOARD.

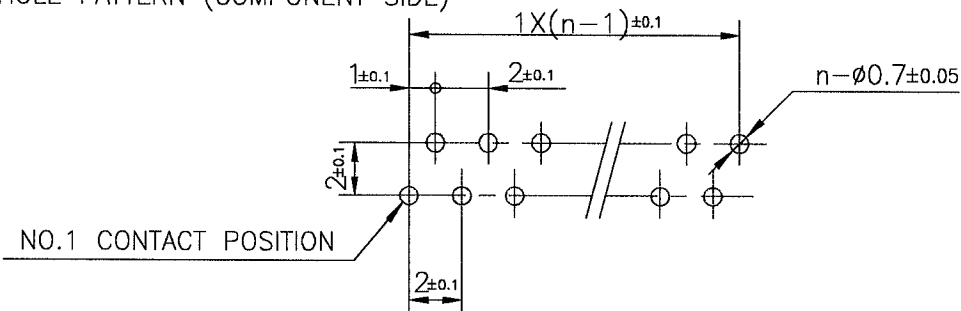
DETAIL A

RECOMMENDED PC BOARD

THICKNESS : 1.2~1.6

HOLE PATTERN (COMPONENT SIDE)

n : NO. OF CONTACTS



SHEET INDEX	ISSUE	B														
	SH NO.	1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR		DATE		CUSTOMER COPY		TITLE 1mm SPACING CONNECTOR FOR FPC/FFC (Cat. No. :HLW__S-2C7LF)								
±0.2		ENGR		10/28/05		THIRD ANGLE PROJ										
LINEAR		CHK		10/31/05		UNIT		PRODUCT FAMILY 58JF								
ANGLES		APPD		11/1/05		MM INCH										
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										SCALE	SIZE	DWG. NO.	REV	SHEET
DF-140A REV A												X	A	JSA 96406	B	1 of 1

SC-HLW05 JSA96403

PDM: Rev:B

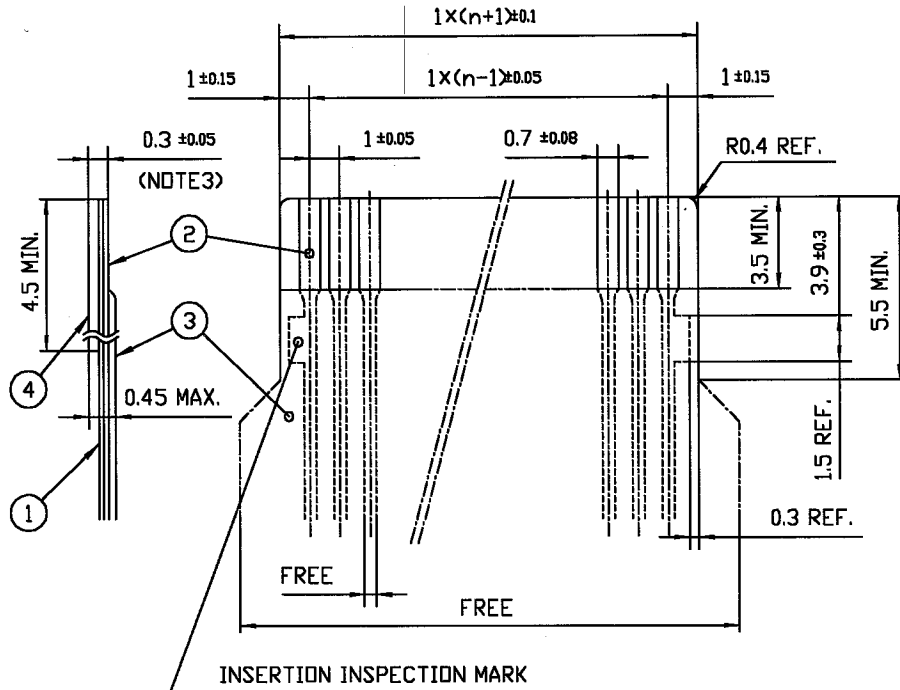
STATUS: Released

Printed: Nov 29, 2005

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed form	J05-0270	H.T	5/11/05

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



PT. NO.	DESCRIPTION	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUIVALENT	25
2	CONDUCTOR	COPPER FOIL (PLATING : SOLDER 1μm MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUIVALENT	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUIVALENT	188

NOTES

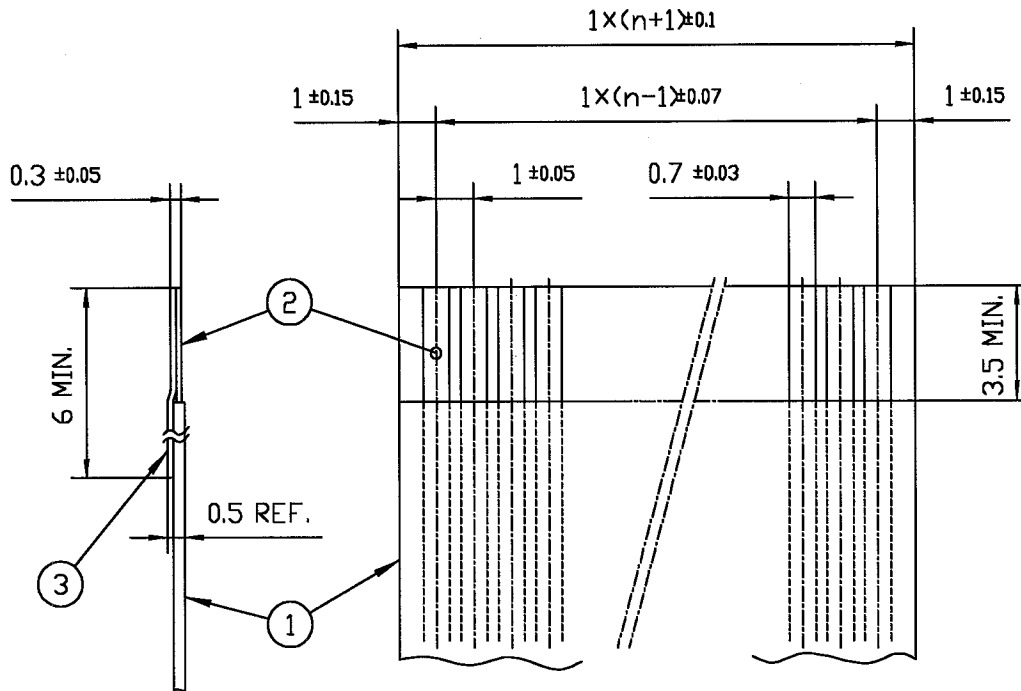
1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.

SHEET INDEX	ISSUE	AA																	
	SH NO.	1																	
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR		T. Sasaki		DATE		5/11/05		CUSTOMER COPY		TITLE RECOMMENDED CABLE (FPC) (Cat. No. HLW__R/S-__)							
LINEAR		ENGR		H. Takahara		DATE		5/13/05		THIRD ANGLE PROJ									
ANGLES		CHK		H. Takahara		DATE		5/13/05		UNIT		PRODUCT FAMILY 58JF							
DO NOT SCALE PRINT		APPD		M. Masumura		DATE		5/17/05		SCALE		SIZE		DWG. NO.		REV		SHEET	
DF-140A REV A										4/1		A		JSA93382		AA		OF	

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
AA	Changed form	J05-0274	H.T	5/11/05

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTORS



PT. NO.	DESCRIPTION	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT	
2	CONDUCTOR	COPPER FOIL	PLATING : TIN OR SOLDER 1μm MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT	

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.

SHEET INDEX	ISSUE	AA																	
	SH NO.	1																	
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR <i>T. Sasaki</i>		DATE 5/11/05		CUSTOMER COPY		TITLE RECOMMENDED CABLE(FFC) (Cat. No. HLW__R/S-__)										
LINEAR			ENGR <i>H. Takahara</i>		5/13/05		THIRD ANGLE PROJ												
ANGLES			CHK <i>H. Takahara</i>		5/13/05		UNIT MM INCH		PRODUCT FAMILY										CODE JP
DO NOT SCALE PRINT			THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										SCALE	SIZE	DWG. NO.	REV	SHEET		
DF-140A REV A													-	A	JSA 93383	AA	OF		

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	RELEASED	J05-0270	H.T	5/10/05

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.		DIMENSIONS (NOTE1)		
	RIGHT ANGLE TYPE	STRAIGHT TYPE	A ± 0.3	B ± 0.1	C
4	HLW 4R-6C7LF	HLW 4S-6C7LF	6.6	5.12	3.0
5	HLW 5R-6C7LF	HLW 5S-6C7LF	7.6	6.12	4.0
6	HLW 6R-6C7LF	HLW 6S-6C7LF	8.6	7.12	5.0
7	HLW 7R-6C7LF	HLW 7S-6C7LF	9.6	8.12	6.0
8	HLW 8R-6C7LF	HLW 8S-6C7LF	10.6	9.12	7.0
9	HLW 9R-6C7LF	HLW 9S-6C7LF	11.6	10.12	8.0
10	HLW 10R-6C7LF	HLW 10S-6C7LF	12.6	11.12	9.0
11	HLW 11R-6C7LF	HLW 11S-6C7LF	13.6	12.12	10.0
12	HLW 12R-6C7LF	HLW 12S-6C7LF	14.6	13.12	11.0
13	HLW 13R-6C7LF	HLW 13S-6C7LF	15.6	14.12	12.0
14	HLW 14R-6C7LF	HLW 14S-6C7LF	16.6	15.12	13.0
15	HLW 15R-6C7LF	HLW 15S-6C7LF	17.6	16.12	14.0
16	HLW 16R-6C7LF	HLW 16S-6C7LF	18.6	17.12	15.0
17	HLW 17R-6C7LF	HLW 17S-6C7LF	19.6	18.12	16.0
18	HLW 18R-6C7LF	HLW 18S-6C7LF	20.6	19.12	17.0
19	HLW 19R-6C7LF	HLW 19S-6C7LF	21.6	20.12	18.0
20	HLW 20R-6C7LF	HLW 20S-6C7LF	22.6	21.12	19.0
21	HLW 21R-6C7LF	HLW 21S-6C7LF	23.6	22.12	20.0
22	HLW 22R-6C7LF	HLW 22S-6C7LF	24.6	23.12	21.0
23	HLW 23R-6C7LF	HLW 23S-6C7LF	25.6	24.12	22.0
24	HLW 24R-6C7LF	HLW 24S-6C7LF	26.6	25.12	23.0
25	HLW 25R-6C7LF	HLW 25S-6C7LF	27.6	26.12	24.0
26	HLW 26R-6C7LF	HLW 26S-6C7LF	28.6	27.12	25.0
27	HLW 27R-6C7LF	HLW 27S-6C7LF	29.6	28.12	26.0
28	HLW 28R-6C7LF	HLW 28S-6C7LF	30.6	29.12	27.0
29	HLW 29R-6C7LF	HLW 29S-6C7LF	31.6	30.12	28.0
30	HLW 30R-6C7LF	HLW 30S-6C7LF	32.6	31.12	29.0
31	HLW 31R-6C7LF	HLW 31S-6C7LF	33.6	32.12	30.0
32	HLW 32R-6C7LF	HLW 32S-6C7LF	34.6	33.12	31.0

CAT. NO.

HLW (n) R - 6C7 LF

SERIES

NO. OF CONTACTS

R : RIGHT ANGLE TYPE

S : STRAIGHT TYPE

VARIATION

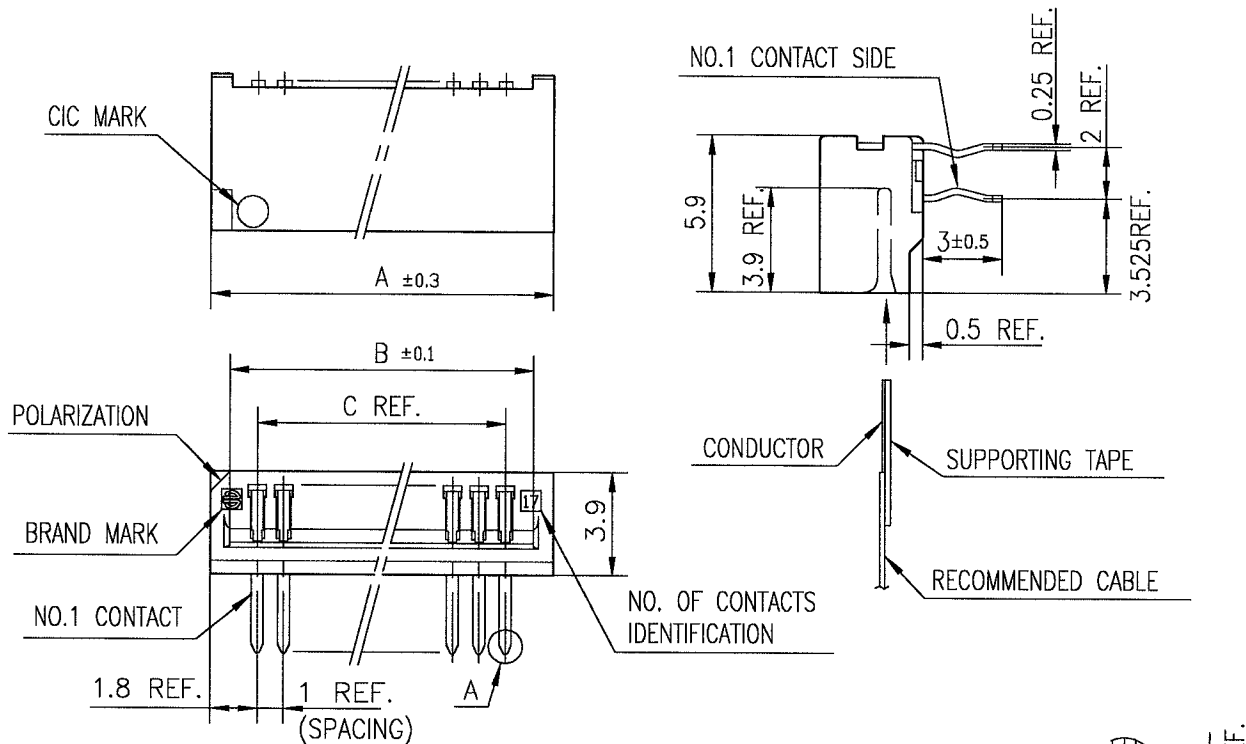
LEAD FREE

NOTES

- SEE PART DRAWINGS FOR DIMENSIONS A~C.

SHEET INDEX	ISSUE	A														A FCI			
	SH NO.	1																	
TOLERANCES UNLESS OTHERWISE SPECIFIED		DR		T. Sasaki		DATE		5/11/05		CUSTOMER COPY		TITLE CAT NO. TABLE FOR 1mm SPACING CONNECTOR (Cat. No. : HLW__R/S-6C7LF)							
LINEAR		ENGR		H. Takahara		5/13/05		THIRD ANGLE PROJ											
ANGLES		CHK		H. Takahara		5/13/05		UNIT		MM		PRODUCT FAMILY		58JF		CODE JP			
DO NOT SCALE PRINT		THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.										SCALE		SIZE		DWG. NO.		REV	
DF-140A REV A												mm		X		JSA 96404		A	
																		SHEET 1 of 1	

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	RELEASED	J05-0270	H.T	5/10/05
B	Added heat resistance	J05-0735	H.T	10/28/05



MATERIAL

INSULATOR : PBT RESIN GLASS REINFORCED (UL94V-0)

COLOR : BLACK

CONTACT : PHOSPHOR BRONZE

PLATING : TIN

NOTE

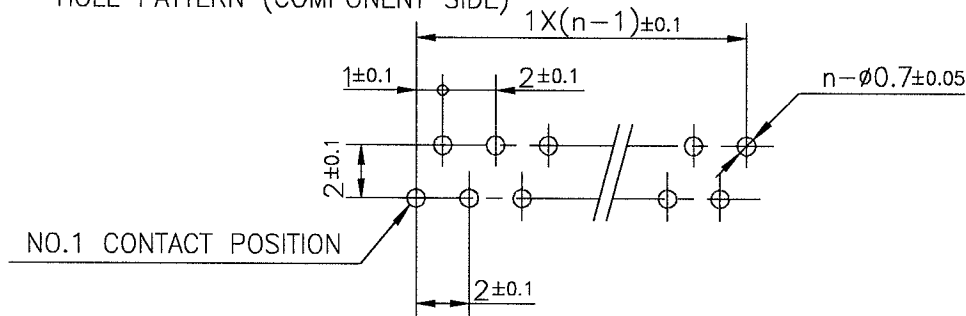
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- 3.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm THICK CIRCUIT BOARD.

RECOMMENDED PC BORAD

THICKNESS : 1.2~1.6

HOLE PATTERN (COMPONENT SIDE)

n : NO. OF CONTACTS



SHEET INDEX	ISSUE	B															
	SH NO.	1															
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR		DATE		CUSTOMER COPY		TITLE 1mm SPACING CONNECTOR FOR CIC (Cat. No. :HLW__R-6C7LF)								
±0.2			ENGR		10/28/05		THIRD ANGLE PROJ										
LINEAR			CHK		10/31/05		UNIT		PRODUCT FAMILY 58JF								
ANGLES			APPD		11/1/05		MM INCH										
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DF-140A REV A													×	A	JSA 96407	B	1 of 1

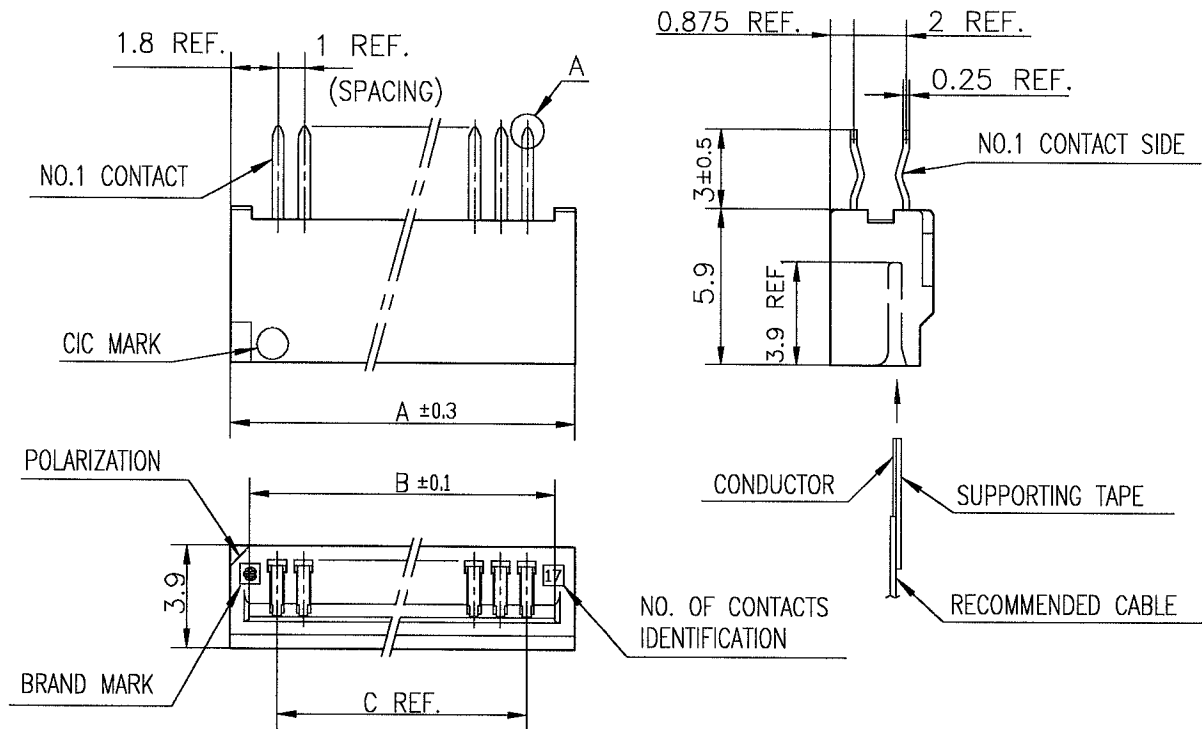
SC-HLW06 JSA96404

PDM: Rev:B

STATUS:Released

Printed: Nov 29, 2005

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	RELEASED	J05-0270	H.T	5/10/05
B	Added heat resistance	J05-0735	H.T	10/28/05



MATERIAL

INSULATOR : PBT RESIN GLASS REINFORCED (UL94V-0)
 COLOR : BLACK
 CONTACT : PHOSPHOR BRONZE
 PLATING : TIN

NOTE

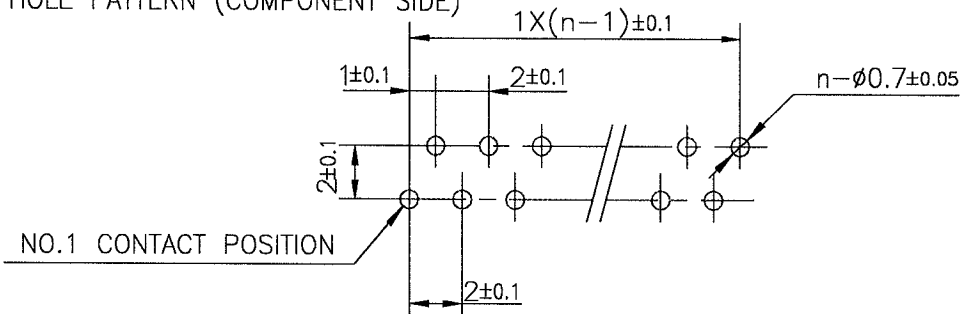
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RECOMMENDED PC BOARD

n : NO. OF CONTACTS

THICKNESS : 1.2~1.6

HOLE PATTERN (COMPONENT SIDE)



SHEET INDEX	ISSUE	B											
	SH NO.	1											
TOLERANCES UNLESS OTHERWISE SPECIFIED			DR	DATE		CUSTOMER COPY	1mm SPACING CONNECTOR FOR CIC (Cat. No. :HLW__S-6C7LF)						
LINEAR	±0.2	ENGR	10/28/05		THIRD ANGLE PROJ								
		CHK	10/31/05										
ANGLES		APPD	11/1/05		UNIT	MM							PRODUCT FAMILY
DO NOT SCALE PRINT			THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.						SCALE	SIZE	DWG. NO.	REV	SHEET
DF-140A REV A									X	A	JSA 96408	B	1 of 1

SC-HLW 06 JSA96404

PDM: Rev:B

STATUS: Released

Printed: Nov 29, 2005

