



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

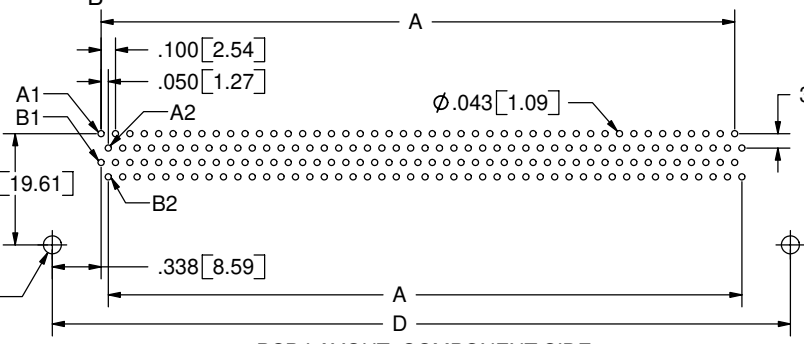
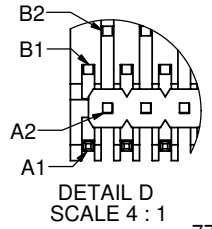
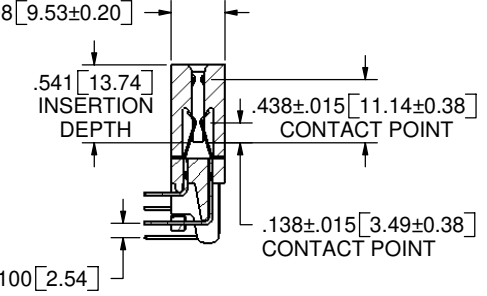
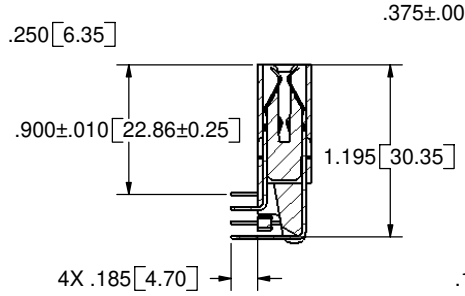
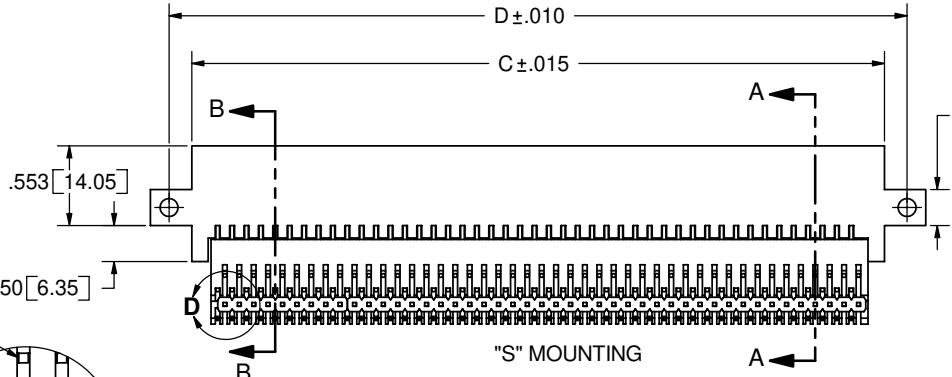
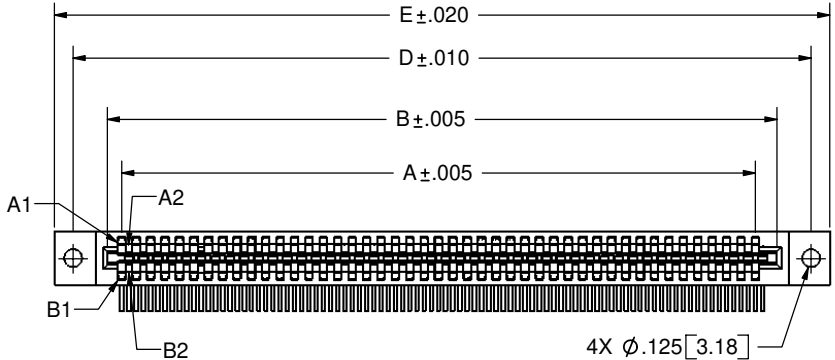
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	250	ORIGINAL RELEASE	5-12-04	AN
B	391	UPDATE FORMAT, ADD TOP VIEW TO "H" MOUNTING, ADD P/N CODING	8-27-04	MNH
C	539	IN PART NUMBER CODING CHART ON PAGE 2, A_E CHANGED TO A_B	2-25-05	AN
D	556	UPDATE PRINT TO BE FOR SULLINS CUSTOMERS ONLY. SHOW ONLY CUSTOMER REQUIREMENTS	03-02-05	MNH

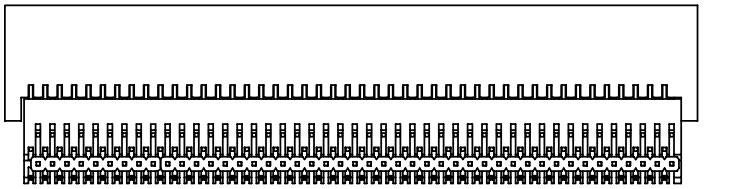


φ.125 [3.18]  
NOT REQ'D FOR "H"  
OR "N" MOUNTING

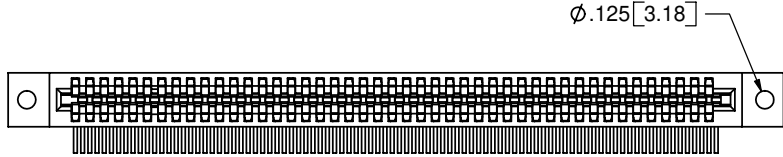
- NOTES:
1. BODY MATERIAL: BLACK POLYPHENYLENE SULFIDE
  2. CONTACT MATERIAL: BERYLLIUM COPPER
  3. CONTACT PLATING: SEE PART NUMBER CODING ON PAGE 2.
  4. UL FLAMMABILITY: 94V-0
  5. INSERTION FORCE: 6 OUNCE MAX PER CONTACT PAIR USING .062" PCB
  6. WITHDRAWL FORCE: 1 OUNCE MIN PER CONTACT PAIR USING .062" PCB
  7. PC BOARD ACCOMMODATED: .054" - .070". SEE PAGE 3 FOR POSITIONING REQUIREMENTS FOR RIGID MOUNT DAUGHTER CARDS.
  8. VOLTAGE RATING: 125 VDC MINIMUM AT SEA LEVEL
  9. CURRENT RATING: 3 AMP
  10. CONTACT RESISTANCE: 30 mV AT RATED CURRENT
  11. INSULATION RESISTANCE: 1000 MEAGA OHMS
  12. OPERATING TEMPERATURE: -65°C TO 150°C
  13. CONTACT NORMAL FORCE: 75 GRAMS MINIMUM.

PATENT NO.: US 6,790,054 B1

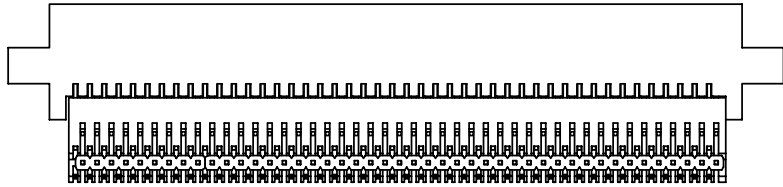
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (MM) TO LERANCIES: ANGULAR: ± 1° XX= ± .02 [ .508 ] .XXX= ± .005 [ .1270 ] XXXX= ± .0005 [ .0127 ] PARENTHEC AL INFORMATO N IS FOR REFERENCE ONLY		DATE: 5/24/2005 NAME: MNH	<b>SULLINS ELECTRONICS</b> BI, LEVEL, .050" CC <b>PARTNO.: A B _DKB</b>
INTERPRET DIMENSIONS AND GEOMETRIC TO LERANCING PER: ANS Y14.5-1984		THE INFORMATION HEREIN CONTAINS PROPRIETARY RIGHTS OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY SULLINS ELECTRONICS. SIZE: <b>C</b> DWG. NO.: 10214 SCALE: 1:1	



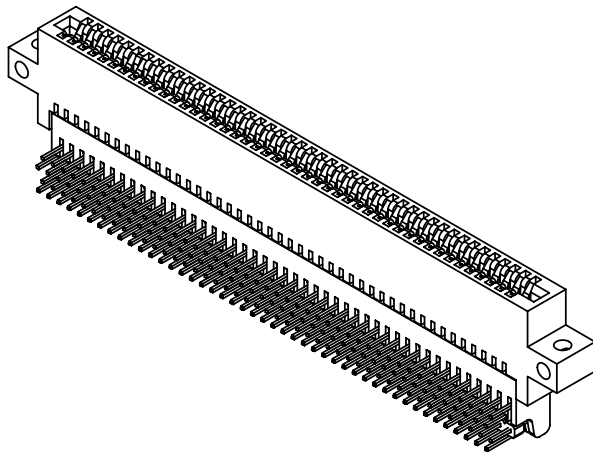
"N" MOUNTING  
NO MOUNTING EARS



Ø.125 [3.18]



"H" MOUNTING  
.250 EARS



	INCHES						POSITIONS	MILLIMETERS						POSITIONS	DAUGHTER CARD LAYOUT
	A	B	C	D	E	F		A	B	C	D	E	F		
A_B06DKB	0.200	0.450	0.610	0.925	1.185	0.436	6	5.08	11.43	15.49	23.50	30.10	11.07	6	1
A_B08DKB	0.300	0.550	0.710	1.025	1.285	0.536	8	7.62	13.97	18.03	26.04	32.64	13.61	8	2
A_B10DKB	0.400	0.650	0.810	1.125	1.385	0.636	10	10.16	16.51	20.57	28.58	35.18	16.15	10	1
A_B12DKB	0.500	0.750	0.910	1.225	1.485	0.736	12	12.70	19.05	23.11	31.12	37.72	18.69	12	2
A_B14DKB	0.600	0.850	1.010	1.325	1.585	0.836	14	15.24	21.59	25.65	33.66	40.26	21.23	14	1
A_B16DKB	0.700	0.950	1.110	1.425	1.685	0.936	16	17.78	24.13	28.19	36.20	42.80	23.77	16	2
A_B18DKB	0.800	1.050	1.210	1.525	1.785	1.036	18	20.32	26.67	30.73	38.74	45.34	26.31	18	1
A_B20DKB	0.900	1.150	1.310	1.625	1.885	1.136	20	22.86	29.21	33.27	41.28	47.88	28.85	20	2
A_B22DKB	1.000	1.250	1.410	1.725	1.985	1.236	22	25.40	31.75	35.81	43.82	50.42	31.39	22	1
A_B24DKB	1.100	1.350	1.510	1.825	2.085	1.336	24	27.94	34.29	38.35	46.36	52.96	33.93	24	2
A_B26DKB	1.200	1.450	1.610	1.925	2.185	1.436	26	30.48	36.83	40.89	48.90	55.50	36.47	26	1
A_B28DKB	1.300	1.550	1.710	2.025	2.285	1.536	28	33.02	39.37	43.43	51.44	58.04	39.01	28	2
A_B30DKB	1.400	1.650	1.810	2.125	2.385	1.636	30	35.56	41.91	45.97	53.98	60.58	41.55	30	1
A_B32DKB	1.500	1.750	1.910	2.225	2.485	1.736	32	38.10	44.45	48.51	56.52	63.12	44.09	32	2
A_B34DKB	1.600	1.850	2.010	2.325	2.585	1.836	34	40.64	46.99	51.05	59.06	65.66	46.63	34	1
A_B36DKB	1.700	1.950	2.110	2.425	2.685	1.936	36	43.18	49.53	53.59	61.60	68.20	49.17	36	2
A_B38DKB	1.800	2.050	2.210	2.525	2.785	2.036	38	45.72	52.07	56.13	64.14	70.74	51.71	38	1
A_B40DKB	1.900	2.150	2.310	2.625	2.885	2.136	40	48.26	54.61	58.67	66.68	73.28	54.25	40	2
A_B42DKB	2.000	2.250	2.410	2.725	2.985	2.236	42	50.80	57.15	61.21	69.22	75.82	56.79	42	1
A_B44DKB	2.100	2.350	2.510	2.825	3.085	2.336	44	53.34	59.69	63.75	71.76	78.36	59.33	44	2
A_B46DKB	2.200	2.450	2.610	2.925	3.185	2.436	46	55.88	62.23	66.29	74.30	80.90	61.87	46	1
A_B48DKB	2.300	2.550	2.710	3.025	3.285	2.536	48	58.42	64.77	68.83	76.84	83.44	64.41	48	2
A_B50DKB	2.400	2.650	2.810	3.125	3.385	2.636	50	60.96	67.31	71.37	79.38	85.98	66.95	50	1
A_B52DKB	2.500	2.750	2.910	3.225	3.485	2.736	52	63.50	69.85	73.91	81.92	88.52	69.49	52	2
A_B54DKB	2.600	2.850	3.010	3.325	3.585	2.836	54	66.04	72.39	76.45	84.46	91.06	72.03	54	1
A_B56DKB	2.700	2.950	3.110	3.425	3.685	2.936	56	68.58	74.93	78.99	87.00	93.60	74.57	56	2
A_B58DKB	2.800	3.050	3.210	3.525	3.785	3.036	58	71.12	77.47	81.53	89.54	96.14	77.11	58	1
A_B60DKB	2.900	3.150	3.310	3.625	3.885	3.136	60	73.66	80.01	84.07	92.08	98.68	79.65	60	2
A_B62DKB	3.000	3.250	3.410	3.725	3.985	3.236	62	76.20	82.55	86.61	94.62	101.22	82.19	62	1
A_B64DKB	3.100	3.350	3.510	3.825	4.085	3.336	64	78.74	85.09	89.15	97.16	103.76	84.73	64	2
A_B66DKB	3.200	3.450	3.610	3.925	4.185	3.436	66	81.28	87.63	91.69	99.70	106.30	87.27	66	1
A_B68DKB	3.300	3.550	3.710	4.025	4.285	3.536	68	83.82	90.17	94.23	102.24	108.84	89.81	68	2
A_B70DKB	3.400	3.650	3.810	4.125	4.385	3.636	70	86.36	92.71	96.77	104.78	111.38	92.35	70	1
A_B72DKB	3.500	3.750	3.910	4.225	4.485	3.736	72	88.90	95.25	99.31	107.32	113.92	94.89	72	2
A_B74DKB	3.600	3.850	4.010	4.325	4.585	3.836	74	91.44	97.79	101.85	109.86	116.46	97.43	74	1
A_B76DKB	3.700	3.950	4.110	4.425	4.685	3.936	76	93.98	100.33	104.39	112.40	119.00	99.97	76	2
A_B78DKB	3.800	4.050	4.210	4.525	4.785	4.036	78	96.52	102.87	106.93	114.94	121.54	102.51	78	1
A_B80DKB	3.900	4.150	4.310	4.625	4.885	4.136	80	99.06	105.41	109.47	117.48	124.08	105.05	80	2
A_B82DKB	4.000	4.250	4.410	4.725	4.985	4.236	82	101.60	107.95	112.01	120.02	126.62	107.59	82	1
A_B84DKB	4.100	4.350	4.510	4.825	5.085	4.336	84	104.14	110.49	114.55	122.56	129.16	110.13	84	2
A_B86DKB	4.200	4.450	4.610	4.925	5.185	4.436	86	106.68	113.03	117.09	125.10	131.70	112.67	86	1
A_B88DKB	4.300	4.550	4.710	5.025	5.285	4.536	88	109.22	115.57	119.63	127.64	134.24	115.21	88	2
A_B90DKB	4.400	4.650	4.810	5.125	5.385	4.636	90	111.76	118.11	122.17	130.18	136.78	117.75	90	1

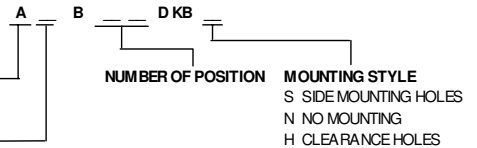
PIN CODING:

MATERIAL (Insulator/Contact)  
A= PPS/Beryllium Copper

CONTACT FINISH  
Y = .000030" Gold On Contact Surface  
.000005" Gold On Termination  
.000050" Nickel Underplate  
X = .000030" Gold On Contact Surface  
.000100" Tin-Lead On Termination  
.000050" Nickel Underplate

B = .000010" Gold On Contact Surface  
.000100" Pure TIN On Termination  
.000050" Nickel Underplate  
C = .000030" Gold On Contact Surface  
.000100" Pure TIN On Termination  
.000050" Nickel Underplate

☐ = Lead Free

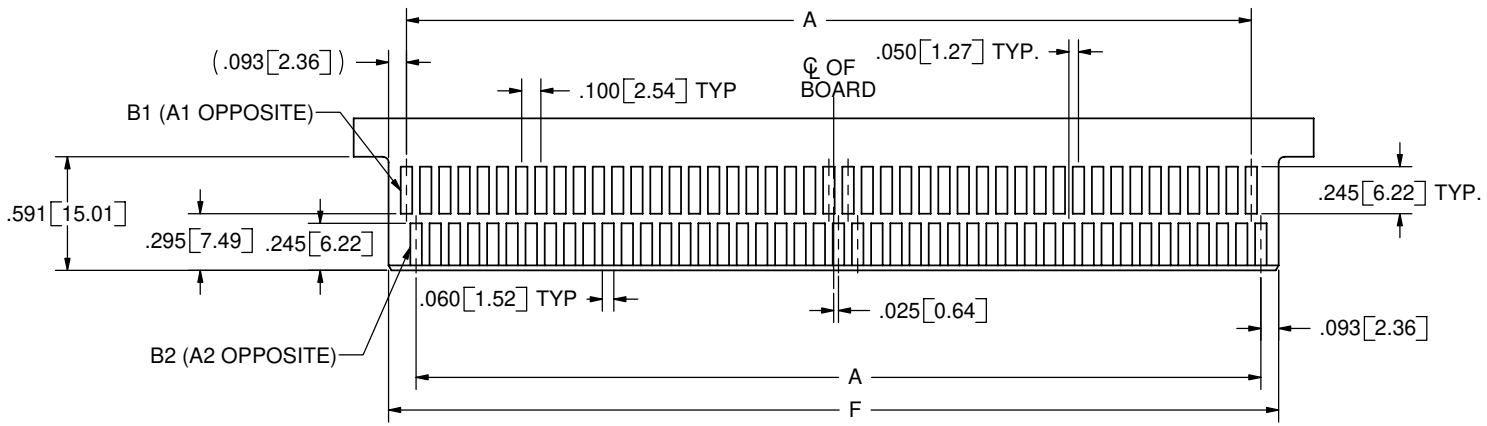


UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES [MM]  
TOLERANCES:  
ANGULAR ± 1°  
XX = ± .02 [ .508]  
.XXX = ± .005 [ .1270]  
.XXXX = ± .0005 [ .0127]  
PARENTHESES AND INFO IN PARENTHESES IS FOR REFERENCE ONLY  
INTERPRET DIMENSIONS AND GO TO METRIC TO LERANCIING  
PER: ANSII Y14.5-1984

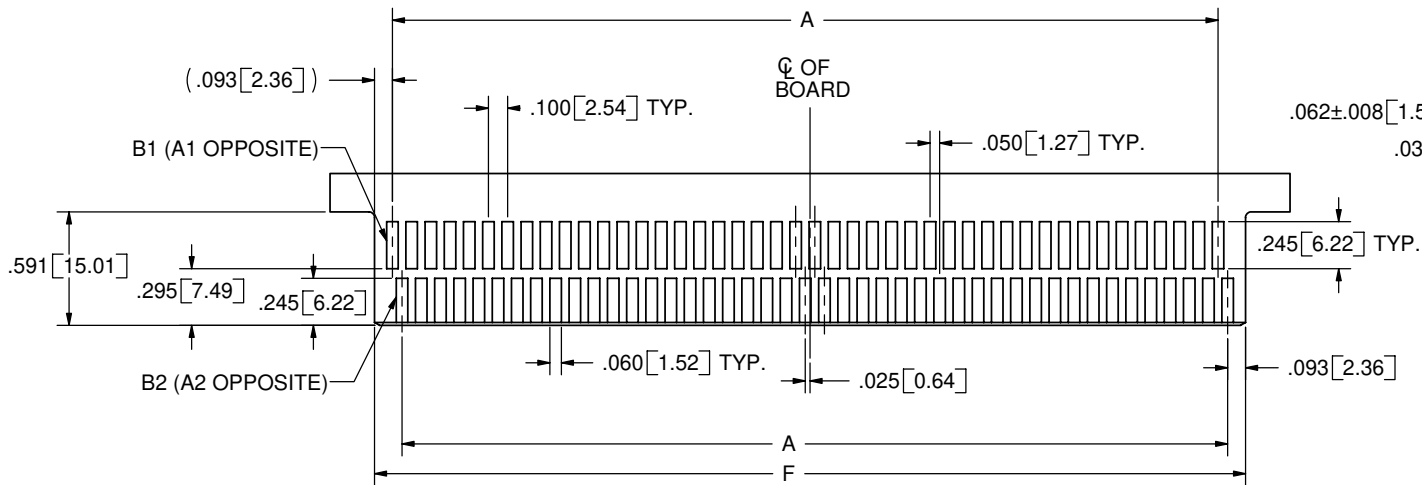
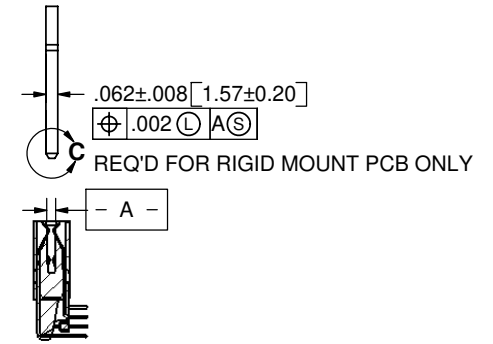
DATE	NAME
5/24/2005	MNH
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SIZE	DWG. NO.
C	10214
SCALE: 1:0.666667	SHEET 2 OF 3

**SULLINS ELECTRONICS**  
BI, LEVEL, .050" CC  
PART NO.: A\_B\_DKB  
REV D

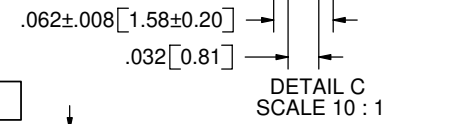
PATENT NO.: US 6,790,054 B1



DAUGHTER CARD LAYOUT NUMBER 1  
90 POSITION SHOWN  
REFER TO PAGE 2 TO DETERMINE LAYOUT TO USE



DAUGHTER CARD LAYOUT NUMBER 2  
88 POSITION SHOWN  
REFER TO PAGE 2 TO DETERMINE LAYOUT TO USE



PATENT NO.: US 6,790,054 B1

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DRAWN	DATE	NAME
5/24/2005	MNH	
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SIZE	DWG. NO.	REV
C	10214	D
SCALE: 2:1		SHEET 3 OF 3

<b>SULLINS ELECTRONICS</b>	
BI, LEVEL, .050° CC	
PARTNO.: A B _DKB	
SIZE	DWG. NO.
C	10214
SCALE: 2:1	SHEET 3 OF 3