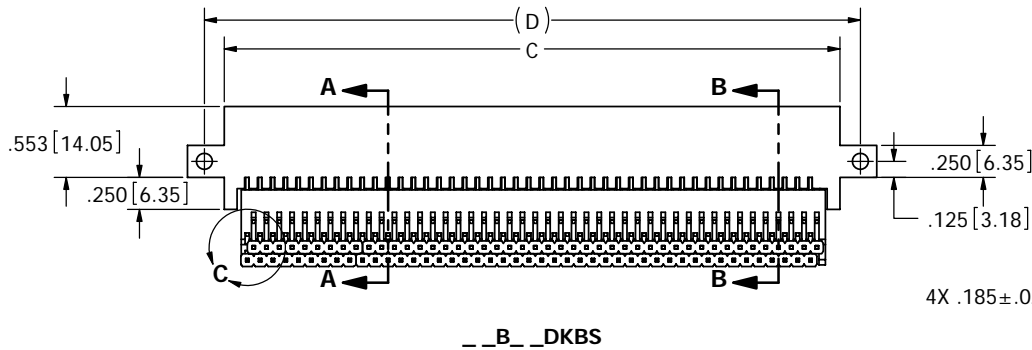
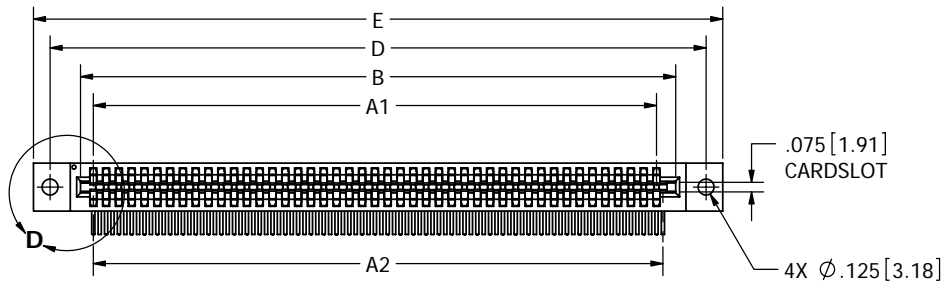
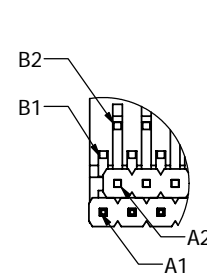


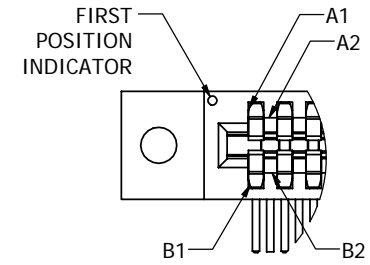
PCB LAYOUT, COMPONENT SIDE



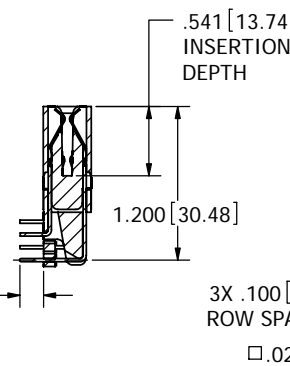
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	250	ORIGINAL RELEASE	5/12/2004	AN
B	391	UPDATE FORMAT, ADD TOP VIEW TO "H" MOUNTING, ADD PART NUMBER CODING	8/27/2004	MNH
C	539	IN PART NUMBER CODING CHART ON PAGE 2, A_E CHANGED TO A_B	2/25/2005	AN
D	556	UPDATE PRINT TO BE FOR SULLINS CUSTOMERS ONLY. SHOW ONLY CUSTOMER REQUIREMENTS	3/2/2005	MNH
E	669	ADDED UP TO 100 POSITIONS	7/5/2005	TT
F	880	UPDATED FORMAT	3/21/2006	MNH
G	1496	ADDED HEADER TO FOURTH ROW, TABULATED MATERIAL	3/18/2008	VJ



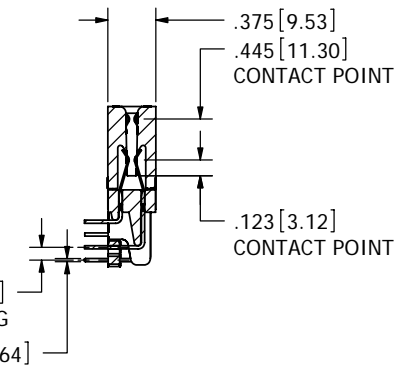
DETAIL C
SCALE 3 : 1



DETAIL D
SCALE 3 : 1



SECTION A-A



SECTION B-B

- NOTES:
- INSULATOR MATERIAL: SEE PART NUMBER CODING.
 - CONTACT MATERIAL: SEE PART NUMBER CODING.
 - PLATING: SEE PART NUMBER CODING.
 - TEMPERATURE: SEE PART NUMBER CODING.
 - PROCESSING TEMP: SEE PART NUMBER CODING.
 - UL FLAMMABILITY RATING: 94V-0.
 - VOLTAGE RATING: 250 VDC MINIMUM AT SEA LEVEL.
 - CURRENT RATING: 3 AMP PER CONTACT.
 - VOLTAGE DROP: 30 MILLI VOLT AT RATED CURRENT.
 - INSULATION RESISTANCE: 5000 MEGA OHMS.
 - CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND BARCODE.
 - BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20].
 - BOARD INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062 [1.57] TEST BLADE. INTERNAL INSPECTION TO BE PER SULLIN'S WORK INSTRUCTION W17.3-01.
 - BOARD WITHDRAWAL FORCE: 1 OUNCE MINIMUM PER CONTACT PAIR USING .062 [1.57] PCB.
 - CONTACT NORMAL FORCE: 75 GRAMS MINIMUM.



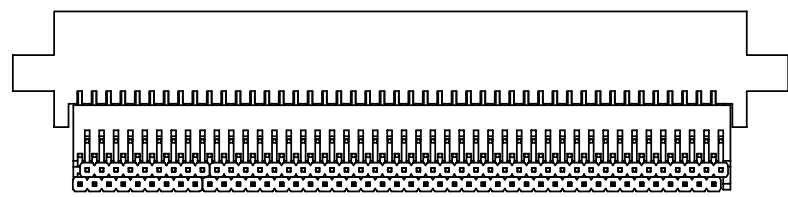
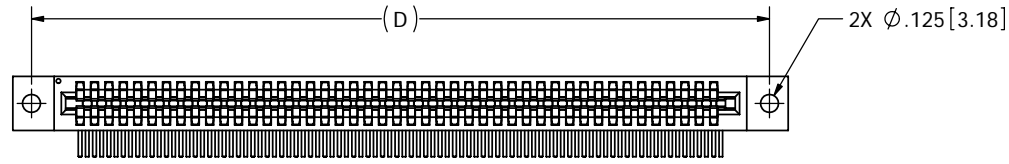
RoHS COMPLIANT

CUSTOMER COPY

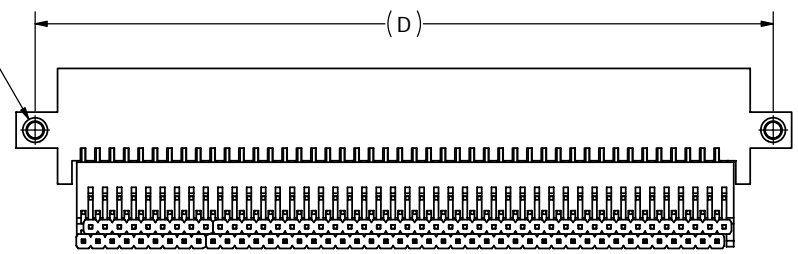
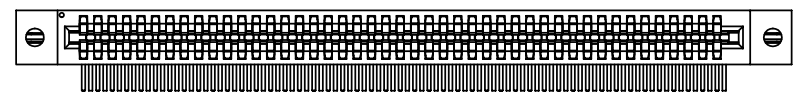
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DATE	NAME	SULLINS ELECTRONICS DESCRIPTION: BI-LEVEL, .050 CC, RAB PART NUMBER: _ _ B _ _ DKB _
TOLERANCES: ANGULAR: ± 1° XX = ± .02 [.508] .XXX = ± .005 [.1270] .XXXX = ± .0005 [.0127] PARENTHEetical INFORMATION IS FOR REFERENCE ONLY		5/24/2005	MNH	
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984		SIZE	DWG. NO.	REV
		C	C10214	G
SCALE: 2:1.5		SHEET 1 OF 4		

8 7 6 5 4 3 2 1

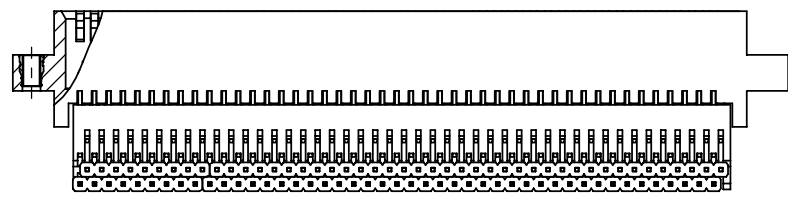
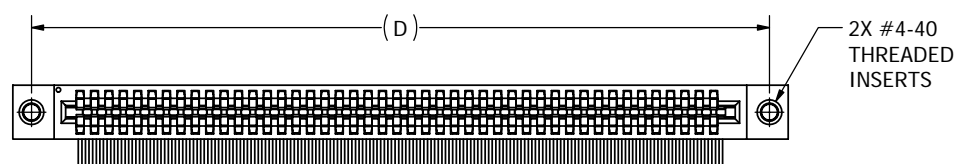
F
E
D
C
B
A



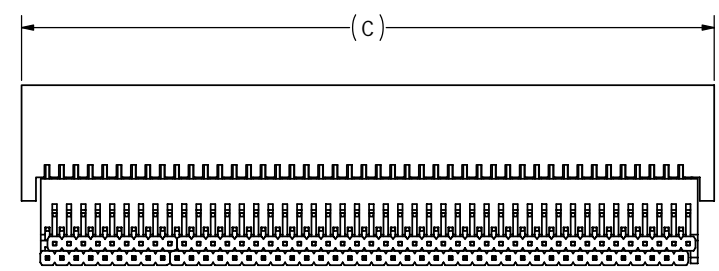
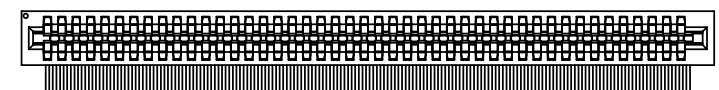
__B__DKBH



__B__DKBA



__B__DKBI



__B__DKBN

CUSTOMER COPY



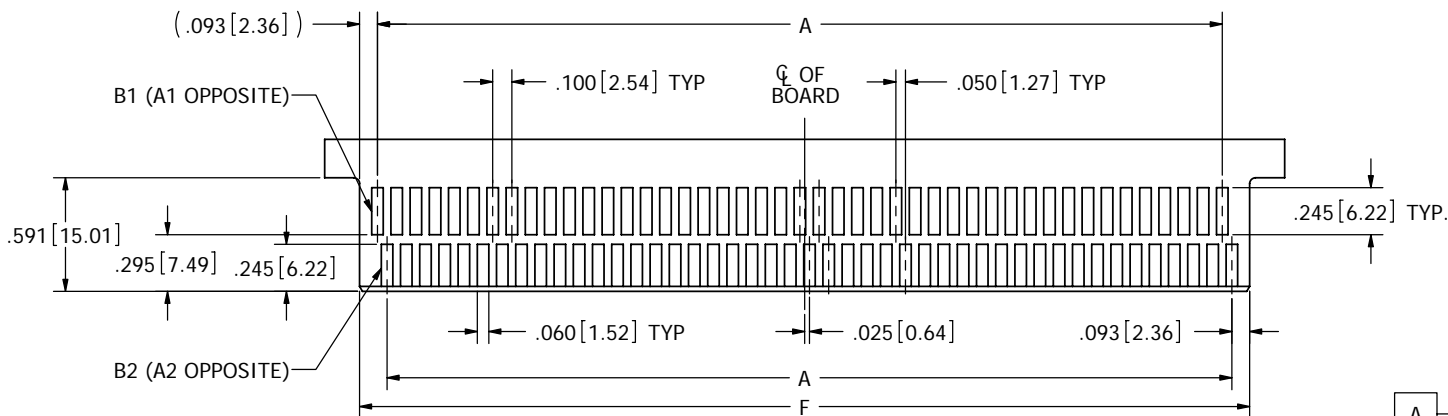
RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES[MM]
TOLERANCES:
ANGULAR: ± 1°
XX = ± .02 [.508]
.XXX = ± .005 [.1270]
.XXXX = ± .0005 [.0127]
PARENTHETICAL INFORMATION IS FOR REFERENCE ONLY

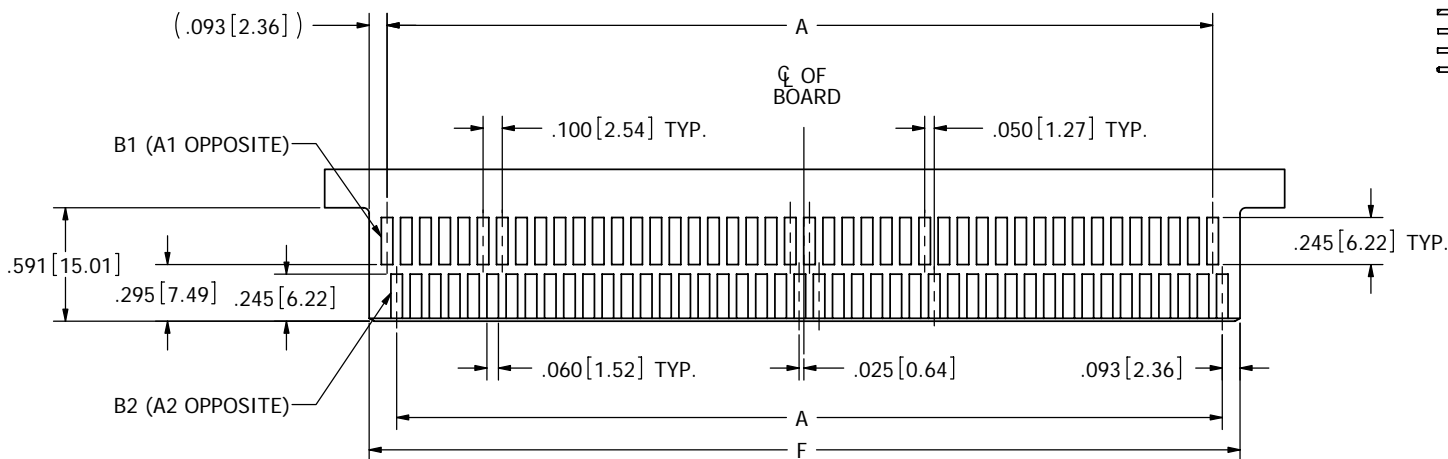
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984

DRAWN	5/24/2005	DATE	MNH	NAME
THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.				
PART NUMBER		DESCRIPTION		
__B__DKB__		BI-LEVEL, .050 CC, RAB		
SIZE	DWG. NO.	REV		
C	C10214	G		
SCALE: 2:1.5		SHEET 2 OF 4		

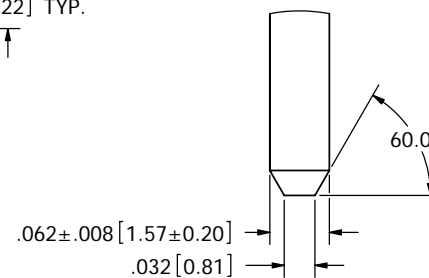
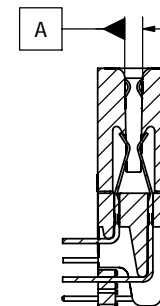
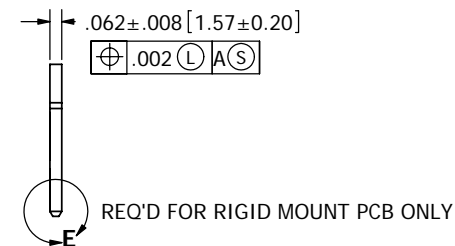
8 7 6 5 4 3 2 1



DAUGHTER CARD LAYOUT NUMBER 1
90 POSITION SHOWN
REFER TO PAGE 4 TO DETERMINE LAYOUT TO USE



DAUGHTER CARD LAYOUT NUMBER 2
88 POSITION SHOWN
REFER TO PAGE 4 TO DETERMINE LAYOUT TO USE



DETAIL E
SCALE 10 : 1

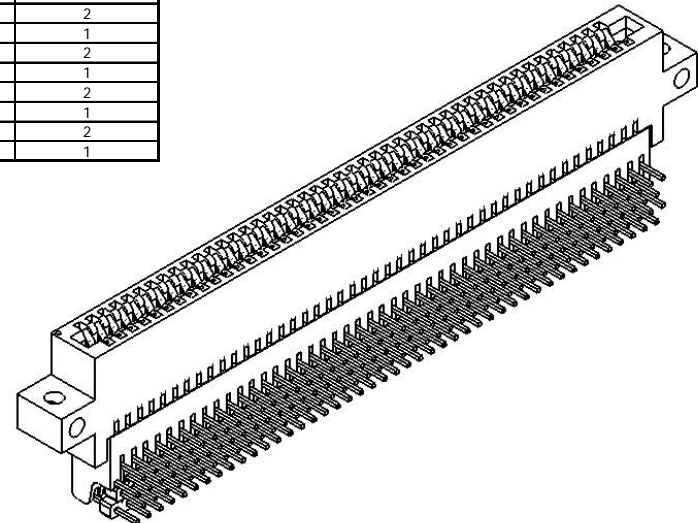
CUSTOMER COPY



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES[MM]			DATE		NAME
TOLERANCES: ANGULAR: ± 1° XX = ± .02 [508] .XXX = ± .005 [1270] XXXX = ± .0005 [0127] PARENTHEICAL INFORMATION IS FOR REFERENCE ONLY			5/24/2005	MNH	
THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.					
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984			DESCRIPTION		SULLINS ELECTRONICS
SIZE DWG. NO			PART NUMBER		BI-LEVEL, .050 CC, RAB
C C10214			B - DKB		
SCALE: 2:1			REV		G
			SHEET 3 OF 4		

PART NUMBER	POS	INCHES							POS	MILLIMETERS							DAUGHTER CARD LAYOUT
		A1±.005	A2±.005	B±.005	C±.015	D±.010	E±.020	F		A1±0.13	A2±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F	
B06DKB	6	0.200	0.250	0.450	0.610	0.925	1.185	0.436	6	5.08	6.35	11.43	15.49	23.50	30.10	11.07	1
B08DKB	8	0.300	0.350	0.550	0.710	1.025	1.285	0.536	8	7.62	8.89	13.97	18.03	26.04	32.64	13.61	2
B10DKB	10	0.400	0.450	0.650	0.810	1.125	1.385	0.636	10	10.16	11.43	16.51	20.57	28.58	35.18	16.15	1
B12DKB	12	0.500	0.550	0.750	0.910	1.225	1.485	0.736	12	12.70	13.97	19.05	23.11	31.12	37.72	18.69	2
B14DKB	14	0.600	0.650	0.850	1.010	1.325	1.585	0.836	14	15.24	16.51	21.59	25.65	33.66	40.26	21.23	1
B16DKB	16	0.700	0.750	0.950	1.110	1.425	1.685	0.936	16	17.78	19.05	24.13	28.19	36.20	42.80	23.77	2
B18DKB	18	0.800	0.850	1.050	1.210	1.525	1.785	1.036	18	20.32	21.59	26.67	30.73	38.74	45.34	26.31	1
B20DKB	20	0.900	0.950	1.150	1.310	1.625	1.885	1.136	20	22.86	24.13	29.21	33.27	41.28	47.88	28.85	2
B22DKB	22	1.000	1.050	1.250	1.410	1.725	1.985	1.236	22	25.40	26.67	31.75	35.81	43.82	50.42	31.39	1
B24DKB	24	1.100	1.150	1.350	1.510	1.825	2.085	1.336	24	27.94	29.21	34.29	38.35	46.36	52.96	33.93	2
B26DKB	26	1.200	1.250	1.450	1.610	1.925	2.185	1.436	26	30.48	31.75	36.83	40.89	48.90	55.50	36.47	1
B28DKB	28	1.300	1.350	1.550	1.710	2.025	2.285	1.536	28	33.02	34.29	39.37	43.43	51.44	58.04	39.01	2
B30DKB	30	1.400	1.450	1.650	1.810	2.125	2.385	1.636	30	35.56	36.83	41.91	45.97	53.98	60.58	41.55	1
B32DKB	32	1.500	1.550	1.750	1.910	2.225	2.485	1.736	32	38.10	39.37	44.45	48.51	56.52	63.12	44.09	2
B34DKB	34	1.600	1.650	1.850	2.010	2.325	2.585	1.836	34	40.64	41.91	46.99	51.05	59.06	65.66	46.63	1
B36DKB	36	1.700	1.750	1.950	2.110	2.425	2.685	1.936	36	43.18	44.45	49.53	53.59	61.60	68.20	49.17	2
B38DKB	38	1.800	1.850	2.050	2.210	2.525	2.785	2.036	38	45.72	46.99	52.07	56.13	64.14	70.74	51.71	1
B40DKB	40	1.900	1.950	2.150	2.310	2.625	2.885	2.136	40	48.26	49.53	54.61	58.67	66.68	73.28	54.25	2
B42DKB	42	2.000	2.050	2.250	2.410	2.725	2.985	2.236	42	50.80	52.07	57.15	61.21	69.22	75.82	56.79	1
B44DKB	44	2.100	2.150	2.350	2.510	2.825	3.085	2.336	44	53.34	54.61	59.69	63.75	71.76	78.36	59.33	2
B46DKB	46	2.200	2.250	2.450	2.610	2.925	3.185	2.436	46	55.88	57.15	62.23	66.29	74.30	80.90	61.87	1
B48DKB	48	2.300	2.350	2.550	2.710	3.025	3.285	2.536	48	58.42	59.69	64.77	68.83	76.84	83.44	64.41	2
B50DKB	50	2.400	2.450	2.650	2.810	3.125	3.385	2.636	50	60.96	62.23	67.31	71.37	79.38	85.98	66.95	1
B52DKB	52	2.500	2.550	2.750	2.910	3.225	3.485	2.736	52	63.50	64.77	69.85	73.91	81.92	88.52	69.49	2
B54DKB	54	2.600	2.650	2.850	3.010	3.325	3.585	2.836	54	66.04	67.31	72.39	76.45	84.46	91.06	72.03	1
B56DKB	56	2.700	2.750	2.950	3.110	3.425	3.685	2.936	56	68.58	69.85	74.93	78.99	87.00	93.60	74.57	2
B58DKB	58	2.800	2.850	3.050	3.210	3.525	3.785	3.036	58	71.12	72.39	77.47	81.53	89.54	96.14	77.11	1
B60DKB	60	2.900	2.950	3.150	3.310	3.625	3.885	3.136	60	73.66	74.93	80.01	84.07	92.08	98.68	79.65	2
B62DKB	62	3.000	3.050	3.250	3.410	3.725	3.985	3.236	62	76.20	77.47	82.55	86.61	94.62	101.22	82.19	1
B64DKB	64	3.100	3.150	3.350	3.510	3.825	4.085	3.336	64	78.74	80.01	85.09	89.15	97.16	103.76	84.73	2
B66DKB	66	3.200	3.250	3.450	3.610	3.925	4.185	3.436	66	81.28	82.55	87.63	91.69	99.70	106.30	87.27	1
B68DKB	68	3.300	3.350	3.550	3.710	4.025	4.285	3.536	68	83.82	85.09	90.17	94.23	102.24	108.84	89.81	2
B70DKB	70	3.400	3.450	3.650	3.810	4.125	4.385	3.636	70	86.36	87.63	92.71	96.77	104.78	111.38	92.35	1
B72DKB	72	3.500	3.550	3.750	3.910	4.225	4.485	3.736	72	88.90	90.17	95.25	99.31	107.32	113.92	94.89	2
B74DKB	74	3.600	3.650	3.850	4.010	4.325	4.585	3.836	74	91.44	92.71	97.79	101.85	109.86	116.46	97.43	1
B76DKB	76	3.700	3.750	3.950	4.110	4.425	4.685	3.936	76	93.98	95.25	100.33	104.39	112.40	119.00	99.97	2
B78DKB	78	3.800	3.850	4.050	4.210	4.525	4.785	4.036	78	96.52	97.79	102.87	106.93	114.94	121.54	102.51	1
B80DKB	80	3.900	3.950	4.150	4.310	4.625	4.885	4.136	80	99.06	100.33	105.41	109.47	117.48	124.08	105.05	2
B82DKB	82	4.000	4.050	4.250	4.410	4.725	4.985	4.236	82	101.60	102.87	107.95	112.01	120.02	126.62	107.59	1
B84DKB	84	4.100	4.150	4.350	4.510	4.825	5.085	4.336	84	104.14	105.41	110.49	114.55	122.56	129.16	110.13	2
B86DKB	86	4.200	4.250	4.450	4.610	4.925	5.185	4.436	86	106.68	107.95	113.03	117.09	125.10	131.70	112.67	1
B88DKB	88	4.300	4.350	4.550	4.710	5.025	5.285	4.536	88	109.22	110.49	115.57	119.63	127.64	134.24	115.21	2
B90DKB	90	4.400	4.450	4.650	4.810	5.125	5.385	4.636	90	111.76	113.03	118.11	122.17	130.18	136.78	117.75	1



PART NUMBER CODING

-- B -- DKB --

MATERIALS (INSULATOR / CONTACT)
R = PPS / PHOSPHOR BRONZE
 OPERATING TEMP: -65°C TO +125°C
 PROCESSING TEMP: 260°C FOR 120 SECS MAX

G = PA9T / PHOSPHOR BRONZE
 OPERATING TEMP: -65°C TO +125°C
 PROCESSING TEMP: 260°C FOR 120 SECS MAX

A = PPS / BERYLLIUM COPPER
 OPERATING TEMP: -65°C TO +150°C
 PROCESSING TEMP: 260°C FOR 120 SECS MAX

J = PA9T / BERYLLIUM COPPER
 OPERATING TEMP: -65°C TO +125°C
 PROCESSING TEMP: 260°C FOR 120 SECS MAX
 (CONSULT FACTORY FOR OTHER MATERIALS)

MOUNTING STYLE
 S = ø.125[3.17] SIDE MOUNTING HOLES (PAGE 1)
 H = ø.125[3.17] MOUNTING HOLES (PAGE 2)
 I = #4-40 THREADED INSERTS IN SIDE HOLES (PAGE 2)
 A = #4-40 THREADED INSERTS IN SIDE HOLES (PAGE 2)
 N = NO MOUNTING EARS (PAGE 2)

NUMBER OF POSITIONS
 (CONTACT PER ROW)

PLATING

ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

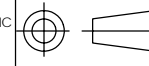
Y = .000030" GOLD TERMINATION .00005" GOLD
 B = .000010" GOLD .000100" PURE TIN, MATTE
 C = .000030" GOLD .000100" PURE TIN, MATTE



RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES[MM]		DATE	NAME
TOLERANCES: ANGULAR: ± 1° .XXX = ± .005 [.1270] .XXXX = ± .0005 [.0127] PARENTHEICAL INFORMATION IS FOR REFERENCE ONLY		5/24/2005	MNH
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DRAWN		DESCRIPTION	
		BI-LEVEL .050 CC, RAB	
PART NUMBER		PART NUMBER	
-- B -- DKB --		-- B -- DKB --	
SIZE	DWG. NO	REV	
C	C10214	G	
SCALE: 2:1		SHEET 4 OF 4	



INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984