

**PART NUMBER CODING**

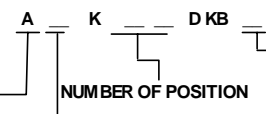
MATERIAL (Insulator/Contact)

CONTACT FINISH

ALL PLATINGS TO HAVE .000050" NICKEL UNDERPLATE

- A = PPS/Beryllium Copper
- 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, RoHS COMPLIANT**



NUMBER OF POSITION

- MOUNTING STYLE**
- S SIDE MOUNTING HOLES
  - N NO MOUNTING EARS
  - H CLEARANCE HOLES
  - V FLUSH WITH SIDE HOLES, THREADED INSERT
  - D FLUSH WITH MOUNTING HOLES
  - Z FLUSH WITH SIDE MOUNTING HOLES
  - A THREADED INSERT SIDE MOUNTING HOLES
  - I #4-40 THREADED INSERT
  - T FLUSH WITH THREADED INSERT

**PCB LAYOUT, COMPONENT SIDE**

- NOTES:**
1. BODY MATERIAL: POLYPHENYLENE SULFIDE
  2. CONTACT MATERIAL: BERYLLIUM COPPER
  3. CONTACT PLATING: SEE PART NUMBER CODING
  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 2 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 MEGA OHMS
  12. OPERATING TEMPERATURE: -65°C TO 150°C
  13. CONTACT NORMAL FORCE: 75 GRAMS MINIMUM.

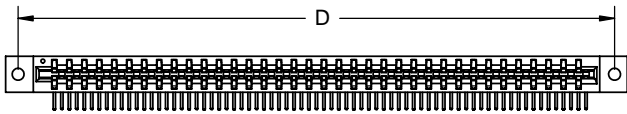
**PATENT NO.: 6,790,054 B1**

REV.	ECO. NO	DESCRIPTION	DATE	BY
A	332	INITIAL RELEASE	6/30/2004	JFW
B	354	UPDATE PCB LAYOUT, ADDED PAGE 3 & 4, MOUNTING STYLES & POSITIONS	7/26/2004	JFW
C	467	ADDED B & C PLATING, UPDATED SPREAD SHEET ON PAGE 4	12/7/2004	JFW
D	621	UPDATED FORMAT & DELETE PAGE 4, ADDED PART NUMBER CODING	5/23/2005	TT

**CUSTOMER COPY**

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DATE	NAME	<b>SULLINS ELECTRONICS</b>
TOLERANCES: ANGULAR: ± 1° XX = ± .02 [ .508] .XXX = ± .005 [ .1270] XXXX = ± .0005 [ .0127] PARENTHEICAL INFORMATION IS FOR REFERENCE ONLY		6/27/2005	TT	
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INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984	SIZE DWG. NO <b>C</b> C10265	REV D	SHEET 1 OF 3	

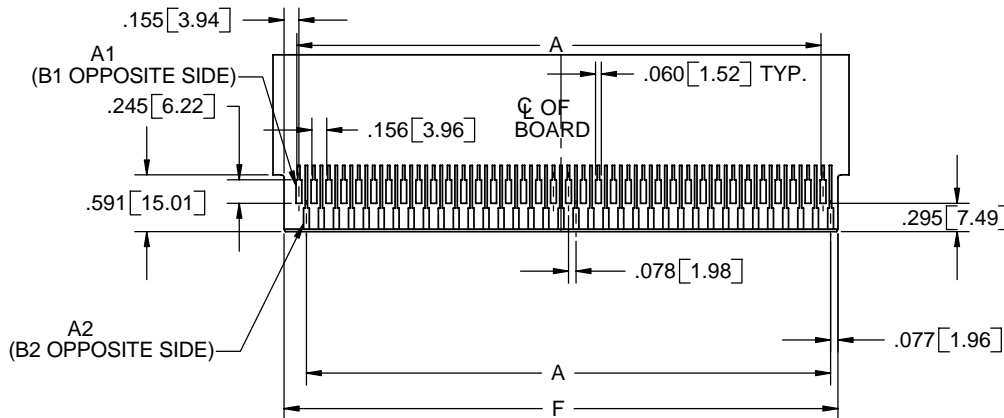
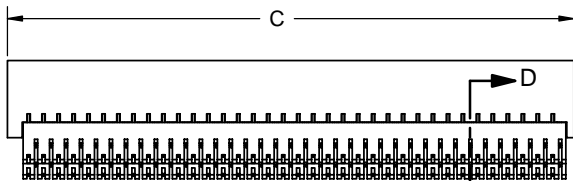
NO. OF POSITIONS/ CONTACTS	A±.008[.20]		B±.008[.20]		C±.015[.38]		D±.010[.25]		E±.020[.50]		F	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
12/24	0.780	19.81	1.102	27.99	1.221	31.01	1.534	38.96	1.784	45.31	1.087	27.61
14/28	0.936	23.77	1.258	31.95	1.377	34.98	1.690	42.93	1.940	49.28	1.243	31.57
16/32	1.092	27.74	1.414	35.92	1.533	38.94	1.846	46.89	2.096	53.24	1.399	35.53
18/36	1.248	31.70	1.570	39.88	1.689	42.90	2.002	50.85	2.252	57.20	1.555	39.50
20/40	1.404	35.66	1.726	43.84	1.845	46.86	2.158	54.81	2.408	61.16	1.711	43.46
22/44	1.560	39.62	1.882	47.80	2.001	50.83	2.314	58.78	2.564	65.13	1.867	47.42
24/48	1.716	43.59	2.038	51.77	2.157	54.79	2.470	62.74	2.720	69.09	2.023	51.38
26/52	1.872	47.55	2.194	55.73	2.313	58.75	2.626	66.70	2.876	73.05	2.179	55.35
28/56	2.028	51.51	2.350	59.69	2.469	62.71	2.782	70.66	3.032	77.01	2.335	59.31
30/60	2.184	55.47	2.506	63.65	2.625	66.68	2.938	74.63	3.188	80.98	2.491	63.27
32/64	2.340	59.44	2.662	67.61	2.781	70.64	3.094	78.59	3.344	84.94	2.647	67.23
34/68	2.496	63.40	2.818	71.58	2.937	74.60	3.250	82.55	3.500	88.90	2.803	71.20
36/72	2.652	67.36	2.974	75.54	3.093	78.56	3.406	86.51	3.656	92.86	2.959	75.16
38/76	2.808	71.32	3.130	79.50	3.249	82.52	3.562	90.47	3.812	96.82	3.115	79.12
40/80	2.964	75.29	3.286	83.46	3.405	86.49	3.718	94.44	3.968	100.79	3.271	83.08
42/84	3.120	79.25	3.442	87.43	3.561	90.45	3.874	98.40	4.124	104.75	3.427	87.05
44/88	3.276	83.21	3.598	91.39	3.717	94.41	4.030	102.36	4.280	108.71	3.583	91.01
46/92	3.432	87.17	3.754	95.35	3.873	98.37	4.186	106.32	4.436	112.67	3.739	94.97
48/96	3.588	91.14	3.910	99.31	4.029	102.34	4.342	110.29	4.592	116.64	3.895	98.93
50/100	3.744	95.10	4.066	103.28	4.185	106.30	4.498	114.25	4.748	120.60	4.051	102.90
52/102	3.900	99.06	4.222	107.24	4.341	110.26	4.654	118.21	4.904	124.56	4.207	106.86
54/108	4.056	103.02	4.378	111.20	4.497	114.22	4.810	122.17	5.060	128.52	4.363	110.82
56/112	4.212	106.98	4.534	115.16	4.653	118.19	4.966	126.14	5.216	132.49	4.519	114.78
58/116	4.368	110.95	4.690	119.13	4.809	122.15	5.122	130.10	5.372	136.45	4.675	118.75
60/120	4.524	114.91	4.846	123.09	4.965	126.11	5.278	134.06	5.528	140.41	4.831	122.71
62/124	4.680	118.87	5.002	127.05	5.121	130.07	5.434	138.02	5.684	144.37	4.987	126.67
64/128	4.836	122.83	5.158	131.01	5.277	134.04	5.590	141.99	5.840	148.34	5.143	130.63
66/132	4.992	126.80	5.314	134.98	5.433	138.00	5.746	145.95	5.996	152.30	5.299	134.59
68/136	5.148	130.76	5.470	138.94	5.589	141.96	5.902	149.91	6.152	156.26	5.455	138.56
70/140	5.304	134.72	5.626	142.90	5.745	145.92	6.058	153.87	6.308	160.22	5.611	142.52
72/144	5.460	138.68	5.782	146.86	5.901	149.89	6.214	157.84	6.464	164.19	5.767	146.48



A\_K\_DKBH  
 Ø.125[3.17] CLEARANCE HOLES

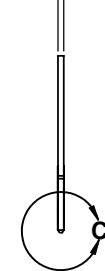


A\_K\_DKBN  
 NO MOUNTING EARS

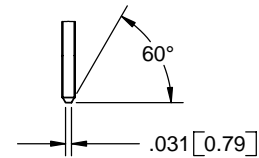


DAUGHTER CARD LAYOUT

.062±.008 [1.57±0.20]



⊕ .002 (L) (A) (S)  
 REQ'D FOR RIGID MOUNT PCB ONLY



DETAIL C  
 SCALE 2 : 1

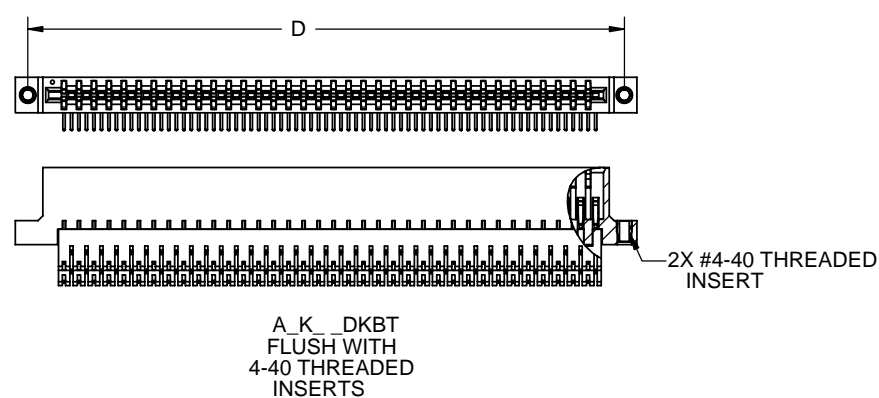
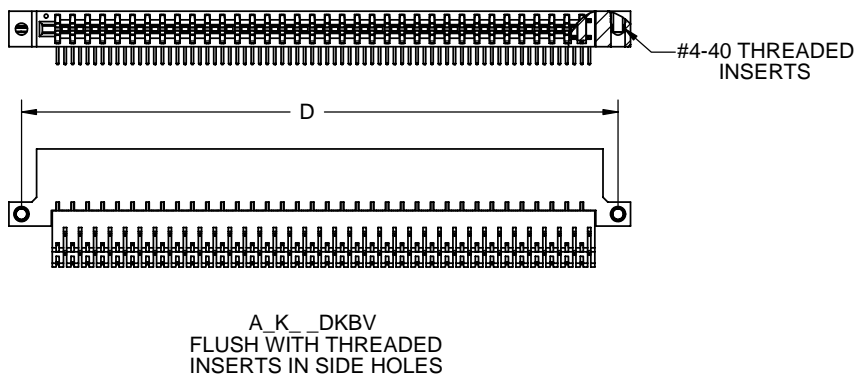
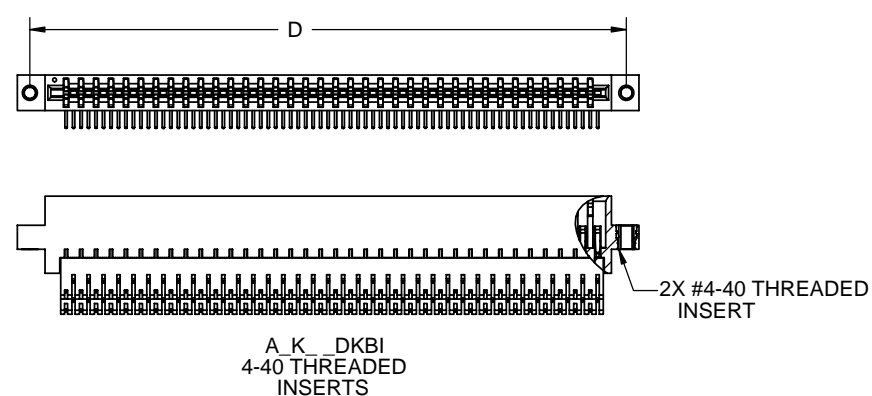
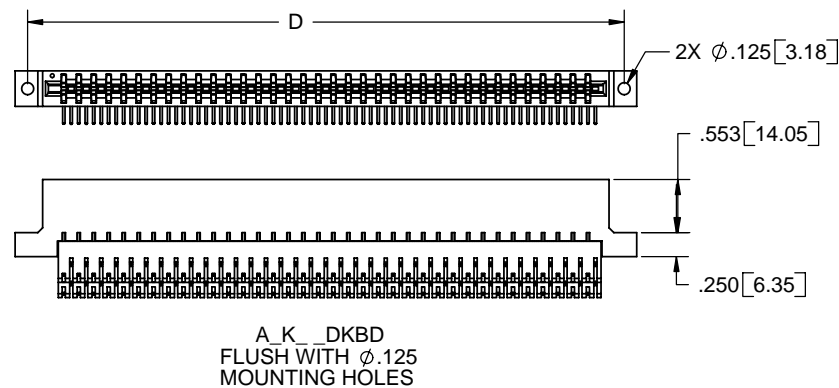
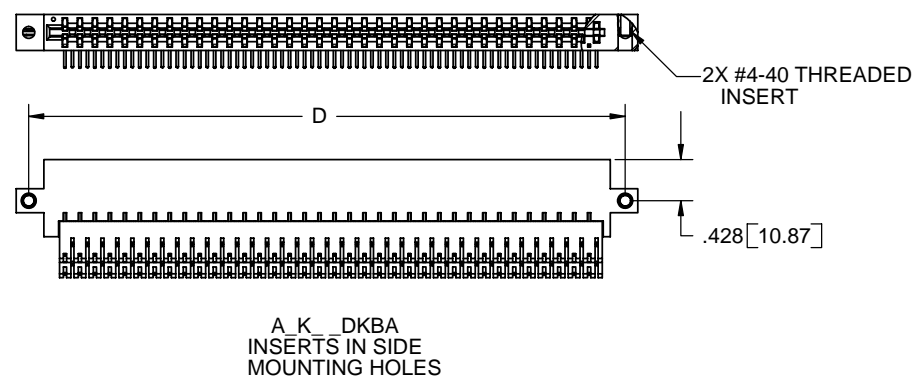
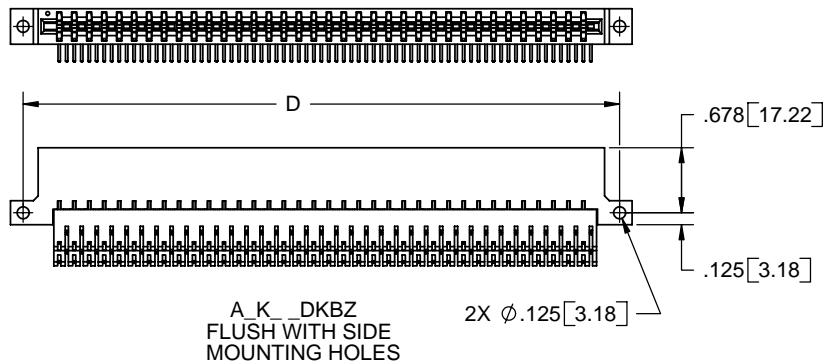
- A -

SECTION D-D

PATENT NO.: 6,790,054 B1

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INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5-1984		SIZE	REV
		C	D
		C10265	
		SCALE: 1:1	SHEET 2 OF 3



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.XXX = ± .005 [ .1270]  
XXXX = ± .0005 [ .0127]  
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<b>SULLINS ELECTRONICS</b>		
DESCRIPTION BI-LEVEL, .078 CC		
PART NO.: A_K_DKB		
SIZE	DWG. NO.	REV
C	C10265	D
SCALE: 1:1		SHEET 3 OF 3

PATENT NO.: 6,790,054 B1