

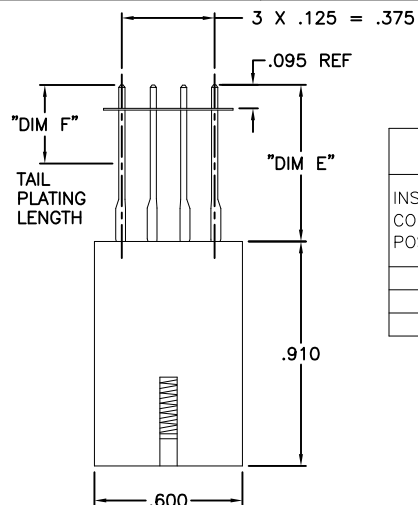
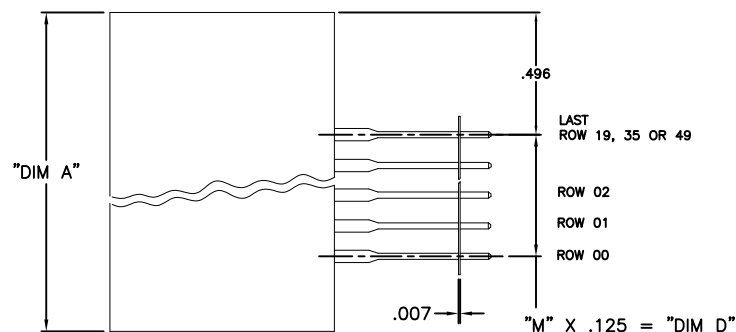
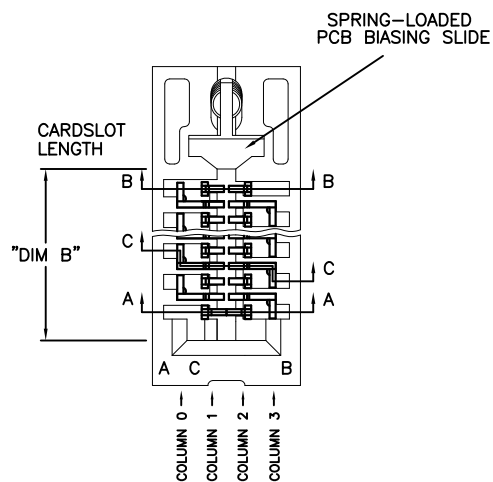
PRODUCT NUMBER
 SEE TABLE


TABLE 1								
INSULATOR CONTACT POSITIONS	OVERALL LENGTH DIM "A"	CARD SLOT LENGTH DIM "B"		TAIL SPAN DIM "C"	CIRCUIT CARD WIDTH DIM "D" +.000/- .010	SPACES "N"	SPACES "M"	FCI INSERTION TOOL
		MINIMUM (BIAS FREE)	MAXIMUM (BIAS BOTTOMED)					
198	6.918	6.325	6.355	6.125	6.350	98	49	413406-003
142	5.168	4.575	4.605	4.375	4.600	70	35	413406-002
78	3.168	2.575	2.605	2.375	2.600	38	19	413406-001

TABLE 2		
WORKING TAIL LENGTH	DIM E TAIL LENGTH FROM INSULATOR	DIM F TAIL PLATING LENGTH
.466	.633	.275 MIN.
.258	.425	.275 MIN.
.060	.230	NONE



mat'l. code				surface ASME Y14.5		tolerance ASME Y14.5	projection	product family FASTECH	
ltr	ecn no	dr	date	angles	radius	tolerances unless otherwise specified	INCH	title	
A	V12862	CGD	2002-01-07					1200 TYPE DOUBLE DENSITY	
B	V03-0771	HTB	2003-07-15					EDGE CARD CONNECTORS	
C	V03-1024	TAB	2003-09-11				scale 1:1	dwg no	
D	V05-0149	HTB	2005-03-01	dr	R. CONRAD	1999-06-17		sheet 1 of 6	
E	V06-0647	JRV	2006-07-06	enrg	R. CONRAD	1999-06-17		size	
F	V09-0537	HTB	2009-11-16	chr	R. CONRAD	1999-06-17		A87KC4034	
				appd	R. CONRAD	1999-06-17		type CUSTOMER Drawing	
sheet index	revision sheet	F	F	F	F	F	F		
		1	2	3	4	5	6		



PRODUCT NUMBER	1200 TYPE CODE	KS-22766 LIST#	INSULATOR SIZE	TOTAL I/O'S	INNERS	OUTERS	SHORTING	TAIL LENGTH	TAIL PLATING	CONTACT PLATING THICKNESS	SHORTING POSITIONS	POSITIONS WITH AU PLATED TAILS (WHEN SnPb TAILS ARE PRESENT)
1200-L1	A01	L1			U	N A V A	I L A B L E					
1200-L2	A02	L2			U	N A V A	I L A B L E					
1200-L5	A03	L5			U	N A V A	I L A B L E					
1200-L6	A04	L6			U	N A V A	I L A B L E					
1200-L10	A05	L10			U	N A V A	I L A B L E					
1200-L11	A06	L11			U	N A V A	I L A B L E					
1200-L16	A07	L16			U	N A V A	I L A B L E					
1200-L17	A08	L17			U	N A V A	I L A B L E					
1200-L18	A09	L18			U	N A V A	I L A B L E					
1200-L19	A10	L19			U	N A V A	I L A B L E					
1200-L20	A11	L20			U	N A V A	I L A B L E					
1200-L24	A12	L24			U	N A V A	I L A B L E					
1200-L25	A13	L25			U	N A V A	I L A B L E					
1200-L26	A14	L26			U	N A V A	I L A B L E					
1200-L27	A15	L27			U	N A V A	I L A B L E					
1200-L28	A16	L28			U	N A V A	I L A B L E					
1200-L31	A17	L31			U	N A V A	I L A B L E					
1200-L34	A18	L34			U	N A V A	I L A B L E					
1200-L38	A19	L38			U	N A V A	I L A B L E					
1200-L39	A20	L39	198	198	94	98	6	0.258	SnPb	75uin	147-149, 247-249	
1200-L40	A21	L40			U	N A V A	I L A B L E					
1200-L41	A22	L41			U	N A V A	I L A B L E					
1200-L42	A23	L42			U	N A V A	I L A B L E					
1200-L48	A24	L48			U	N A V A	I L A B L E					
1200-L12	B01	L12			U	N A V A	I L A B L E					
1200-L14	B02	L14			U	N A V A	I L A B L E					
1200-L15	B03	L15			U	N A V A	I L A B L E					
1200-L23	B04	L23			U	N A V A	I L A B L E					
1200-L30	B05	L30			U	N A V A	I L A B L E					
1200-L3	C01	L3	78	78	40	38		0.466	SnPb	75uin		
1200-L4	C02	L4			U	N A V A	I L A B L E					
1200-L7	C03	L7			U	N A V A	I L A B L E					
1200-L8	C04	L8			U	N A V A	I L A B L E					
1200-L9	C05	L9	78	78	8	38	32	0.466	Au,SnPb	75uin	102-117, 202-217	102-117, 202-217
1200-L13	C06	L13			U	N A V A	I L A B L E					
1200-L21	C07	L21			U	N A V A	I L A B L E					
1200-L22	C08	L22			U	N A V A	I L A B L E					
1200-L29	C09	L29			U	N A V A	I L A B L E					
1200-L32	C10	L32			U	N A V A	I L A B L E					
1200-L33	C11	L33			U	N A V A	I L A B L E					
1200-L35	C12	L35			U	N A V A	I L A B L E					
1200-L36	C13	L36	78	78	36	38	4	0.258	SnPb	75uin	118, 119, 218, 219	
1200-L37	C14	L37			U	N A V A	I L A B L E					
1200-L43	C15	L43	78	78	8	38	32	0.258	SnPb	75uin	102-117, 202-217	
1200-L44	C16	L44			U	N A V A	I L A B L E					
1200-L45	C17	L45			U	N A V A	I L A B L E					
1200-L46	C18	L46			U	N A V A	I L A B L E					
1200-L47	C19	L47			U	N A V A	I L A B L E					
1200-L48	A24	L48			U	N A V A	I L A B L E					

TABLE 3
DOUBLE DENSITY EDGE CARD
INFORMATION CHART

* 1200-L38 AU PLATED TAILS ARE .466 IN. LONG, ALL OTHER TAILS ARE .258 IN. LONG.

SEE SHEET 5 FOR CONTACT POSITION REFERENCE

mat'l. code				surface ASME Y14.5		tolerance ASME Y14.5		projection 		product family FASTECH	
ltr	ecr no	dr	date	tolerances unless otherwise specified							
F				angles	radius						
						INCH					
						scale 1:1					
				dr	R. CONRAD	1999-06-17					
				enrg	R. CONRAD	1999-06-17					
				chr	R. CONRAD	1999-06-17					
				appd	R. CONRAD	1999-06-17					
sheet index		revision sheet								dwg no A87KC4034 type CUSTOMER Drawing	
										sheet 2 of 6 size A4	

PRODUCT NUMBER

SEE TABLE

DOUBLE DENSITY EDGE CARD PRODUCT FEATURES

DOUBLE DENSITY EDGE CARD CONNECTORS PROVIDE 50 – 198 I/O'S WITH A CIRCUIT CARD FINGER SPACING OF 1/16" (.0625) CENTERS. CONTACT TAILS ARE AVAILABLE IN 3 LENGTHS WITH GOLD PLATING FOR REAR PLUG UP OR SOLDER PLATING FOR WIRE WRAP. THE CONNECTOR ALSO UTILIZES A SPRING LOADED BIASING FEATURE THAT MAINTAINS PROPER CARD POSITION DURING INSERTION AND WITHDRAWAL OF THE CIRCUIT CARD.

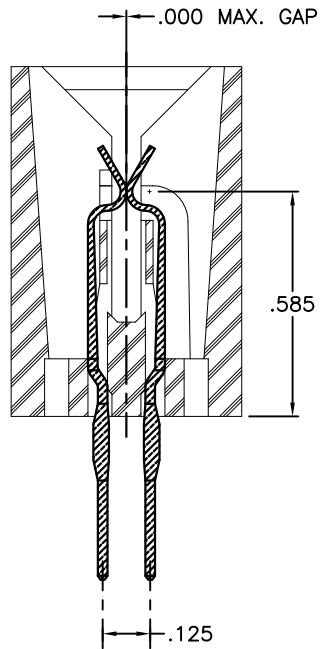
THE CONNECTOR IS TERMINATED TO THE PCB BY INSERTION OF COMPLIANT PRESS-FIT TAILS.

DOUBLE DENSITY EDGE CARD TECHNICAL DATA

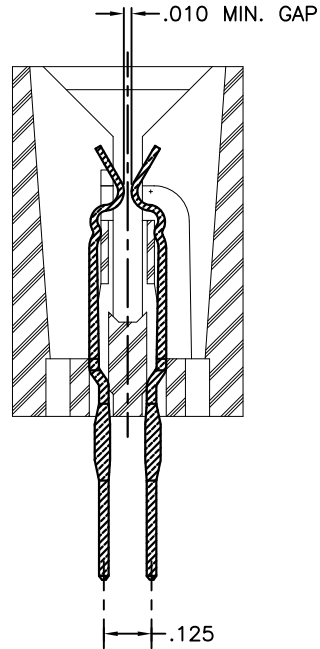
ALL DIMENSIONS ARE IN INCHES.
 CONNECTOR INSTALLATION FORCE: 30 LBS/CONTACT TYPICAL, 65 LBS MAX.
 CONNECTOR RETENTION FORCE: 10 LBS/CONTACT MINIMUM
 CIRCUIT CARD INSERTION FORCE: INNER CONTACTS
 INNER CONTACTS – .5 LBS/CONTACT TYPICAL
 OUTER CONTACTS – .8 LBS/CONTACT TYPICAL
 SHORTING CONTACTS – 1 LB/CONTACT TYPICAL
 DURABILITY: 200 CYCLES
 LONG TERM OPERATING TEMPERATURE: -55 TO 70 C.
 SHORT TERM OPERATING TEMPERATURE: -55 TO 85 C.
 WITHSTANDING VOLTAGE: 1000 VAC RMS
 CONTACT AREA PLATING: 75 MICROINCHES HARD GOLD MIN. OVER 100 MICROINCHES MIN NICKEL
 CONTACT NORMAL FORCE: 100 GRAMS MINIMUM
 CONTACT RESISTANCE: 9 MILLIOHMS TYPICAL
 MAX CONTACT CURRENT: 1 AMP/CONTACT
 INSULATOR MATERIAL: POLYBUTYLENE TEREPHTHALATE (PBT)
 FLAMMABILITY RATING: UL-94 V0

mat'l. code				surface ASME Y14.5 ☒		tolerance ASME Y14.5		projection 		product family FASTECH			
ltr	ecr no	dr	date	tolerances unless otherwise specified						title			
F				angles		to dim		INCH		1200 TYPE DOUBLE DENSITY EDGE CARD CONNECTORS			
								scale - NTS		dwg no			
				dr	R. CONRAD	1999-06-17			sheet 3 of 6		size		
				enrg	R. CONRAD	1999-06-17			A87KC4034		A4		
				chr	R. CONRAD	1999-06-17			type		CUSTOMER Drawing		
				appd	R. CONRAD	1999-06-17							
sheet index		revision sheet											

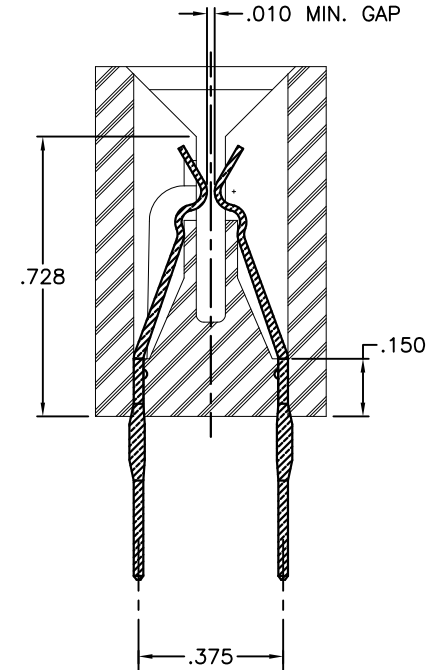
PRODUCT NUMBER
SEE TABLE



SHORTING CONTACTS
SECTION A-A



INNER CONTACTS
SECTION B-B



OUTER CONTACTS
SECTION C-C

mat'l. code				surface ASME Y14.5 ✓		tolerance ASME Y14.5		projection 		product family FASTECH									
ltr	ecr no		dr	date		tolerances unless otherwise specified						title							
F						angles		linear			INCH 		1200 TYPE DOUBLE DENSITY EDGECARD CONNECTORS						
											scale 2:1		dwg no						
						dr	R. CONRAD		1999-06-17				sheet 4 of 6				size		
						enr	R. CONRAD		1999-06-17				A87KC4034				A4		
						chr	R. CONRAD		1999-06-17										
						appd	R. CONRAD		1999-06-17										
sheet index		revision sheet										type CUSTOMER Drawing							

PRODUCT NUMBER
 SEE TABLE

 DOUBLE DENSITY EDGE CARD BACKPLANE LAYOUT AND CONTACT PLACEMENT
 VIEW FROM CIRCUIT CARD SIDE
BIAS
SLIDE
END

49	0000	49	•000	35	0000	19	0000	19	0000	19	0000	19	•000					
48	00000	48	•000•	34	00000	18	00000	18	00000	18	00000	18	•000•					
47	000000	47	•000•	33	000000	17	000000	17	000000	17	000000	17	•000•					
46	000000	46	•000•	32	000000	16	000000	16	000000	16	000000	16	•000•					
45	000000	45	•000•	31	000000	15	000000	15	000000	15	•000•	15	•000•					
44	000000	44	•000•	30	000000	14	000000	14	000000	14	••••	14	•000•					
43	000000	43	•000•	29	000000	13	000000	13	000000	13	••••	13	•000•					
42	000000	42	•000•	28	000000	12	000000	12	000000	12	••••	12	•000•					
41	000000	41	•000•	27	000000	11	000000	11	••••	11	••••	11	•000•					
40	000000	40	•000•	26	000000	10	000000	10	••••	10	••••	10	•000•					
39	000000	39	•000•	25	000000	09	000000	09	••••	09	••••	09	•000•					
38	000000	38	•000•	24	000000	08	000000	08	••••	08	0000•	08	•000•					
37	000000	37	•000•	23	000000	07	000000	07	000000	07	000000	07	•000•					
36	000000	36	•000•	22	000000	06	000000	06	000000	06	000000	06	•000•					
35	000000	35	•000•	21	000000	05	000000	05	000000	05	000000	05	•000•					
34	000000	34	•000•	20	000000	04	000000	04	000000	04	000000	04	•000•					
33	000000	33	•000•	19	000000	03	000000	03	000000	03	000000	03	•000•					
32	000000	32	•000•	18	000000	02	000000	02	000000	02	000000	02	•000•					
31	000000	31	•000•	17	000000	01	000000	01	000000	01	000000	01	•000•					
30	000000	30	•000•	16	000000	00	0000	00	0000	00	0000	00	•000•					
29	000000	29	•000•	15	000000	0	1 2 3	0	1 2 3	0	1 2 3	0	1 2 3					
28	000000	28	•000•	14	000000	COLUMN			COLUMN			COLUMN						
27	000000	27	•000•	13	000000	78 CONTACTS			70 CONTACTS			54 CONTACTS						
26	000000	26	•000•	12	000000							52 CONTACTS						
25	000000	25	•000•	11	000000							40 CONTACTS						
24	000000	24	•000•	10	000000													
23	000000	23	•000•	09	000000													
22	000000	22	•000•	08	000000													
21	000000	21	•000•	07	000000													
20	000000	20	•000•	06	000000													
19	000000	19	•000•	05	000000													
18	000000	18	•000•	04	000000													
17	000000	17	•000•	03	000000													
16	000000	16	•000•	02	000000													
15	000000	15	•000•	01	000000													
14	000000	14	•000•	00	0000													
13	000000	13	•000•	0	1 2 3													
12	000000	12	•000•	COLUMN														
11	000000	11	•000•	142 CONTACTS														
10	000000	10	•000•															
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02	000000	02	•000•															
01	000000	01	•000•															
00	0000	00	•000•															
0 1 2 3			COLUMN															
198 CONTACTS			100 CONTACTS															

BACKPLANE LAYOUT NOTES:

RECOMMENDED HOLE SIZE: .039 - .044 PLATED THROUGH HOLE

.0465 DRILL RECOMMENDED

BACKPLANE THICKNESS: .086 MINIMUM

ALL HOLES ARE ON A .125 GRID

CONTACT POSITIONS ARE DENOTED BY A 3 DIGIT NUMBER AS SHOWN IN THE LAYOUTS.

