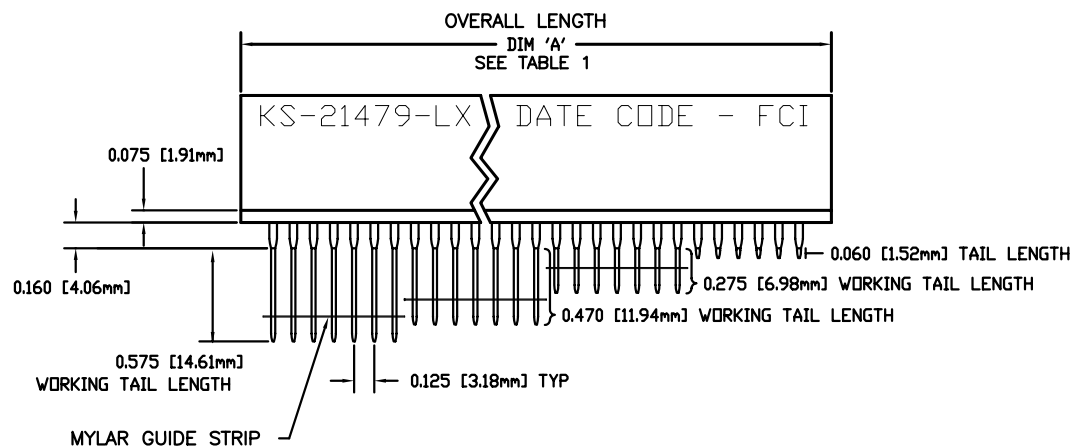
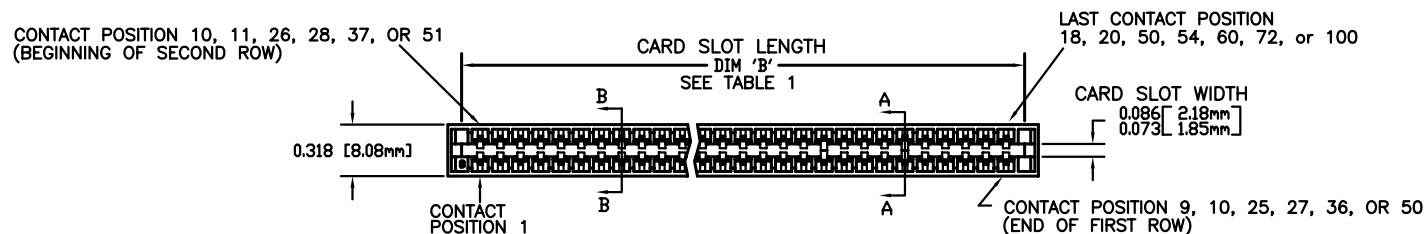


PRODUCT NUMBER
SEE SHEET 3

1203 TYPE SINGLE DENSITY EDGE CARD CONNECTORS
PRESS-FIT CONTACTS ON .125" CENTERS
18 TO 100 POSITIONS AVAILABLE IN EARLY MAKE, LATE MAKE, AND SHORTING CONTACTS
CONTACTS AVAILABLE IN 4 TAIL LENGTHS (.0025" SQUARE) WITH GOLD OR SOLDER PLATING



mat'l. code				surface		tolerance		projection	product family	
ltr	ecr no	dr	date	ASME Y14.5	ASME Y14.5	ASME Y14.5	ASME Y14.5		FASTECH	
A	V12880	CGD	1/25/02	angles	fe			INCH/MM	title	
B	V03-0687	HTB	6/18/03					scale N/A	SINGLE DENSITY EDGE CARD	
C	V05-0151	HTB	3/2/05						1203 TYPE CONNECTORS	
D	V05-0609	HTB	6/23/05	dr	R. CONRAD	5/27/99			dwg no	sheet 1 of 6 size
E	V05-0904	HTB	9/21/05	engr	R. CONRAD	5/27/99			A89KC4205	A4
F	V06-0719	JRV	2006-07-26	chr	R. CONRAD	5/27/99			type CUSTOMER Drawing	
G	V06-0985	HTB	2006-09-25	appd	R. CONRAD	5/27/99				
sheet	revision	G	G	G	G	G	G			
index	sheet	1	2	3	4	5	6			



PRODUCT NUMBER
SEE SHEET 3

SINGLE DENSITY EDGE CARD TECHNICAL DATA

CONNECTOR INSTALLATION FORCE: 30 LBS/CONTACT TYPICAL, 65 LBS MAX.
 CONNECTOR RETENTION FORCE: 10 LBS/CONTACT MINIMUM
 CIRCUIT CARD INSERTION FORCE: EARLY AND LATE MAKE CONTACT - 0.5 LBS/CONTACT TYPICAL
 SHORTING CONTACT - 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: 1000VAC RMS

CONTACT AREA PLATING: 75u" Au (MIN) OVER 100u" Ni (MIN).

CONTACT NORMAL FORCE: 100 GRAMS MINIMUM.

CONTACT RESISTANCE: 9 MILLIOHMS TYPICAL.

MAX CONTACT CURRENT: 1.0 AMPS PER CONTACT.

INSULATOR MATERIAL: PPA, GLASS REINFORCED

FLAMMABILITY RATING: UL-94 V0.

TABLE 1

CONNECTOR SIZE (TOTAL CONTACTS)	SPACES "N"	OVERALL LENGTH DIM "A"	CARD SLOT LENGTH DIM "B"	CIRCUIT CARD WIDTH DIM "C"	FCI INSERTION TOOL
18 (2 X 9)	8	1.400 [35.56mm]	1.230 [31.24mm]	1.220 [30.99mm]	413656-001
20 (2 X 10)	9	1.525 [38.74mm]	1.355 [34.42mm]	1.345 [34.16mm]	
50 (2 X 25)	24	3.400 [86.36mm]	3.230 [82.04mm]	3.220 [81.79mm]	413697-001
54 (2 X 27)	26	3.650 [92.71mm]	3.480 [88.39mm]	3.470 [88.14mm]	413692-001
60 (2 X 30)	29	4.025 [102.24mm]	3.855 [97.92mm]	3.845 [97.66mm]	413680-001
72 (2 X 36)	35	4.775 [121.29mm]	4.605 [116.97mm]	4.595 [116.71mm]	
100 (2 X 50)	49	6.525 [165.74mm]	6.355 [161.42mm]	6.345 [161.16mm]	413688-001

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 SINGLE DENSITY EDGE CARD 1203 TYPE CONNECTORS	
g				angles	fe			scale N/A		dwg no	
										sheet 2 of 6	
				dr	R. CONRAD	5/27/99				size A4	
				enr	R. CONRAD	5/27/99					
				chr	R. CONRAD	5/27/99					
				appd	R. CONRAD	5/27/99					
sheet index		revision sheet								type CUSTOMER Drawing	



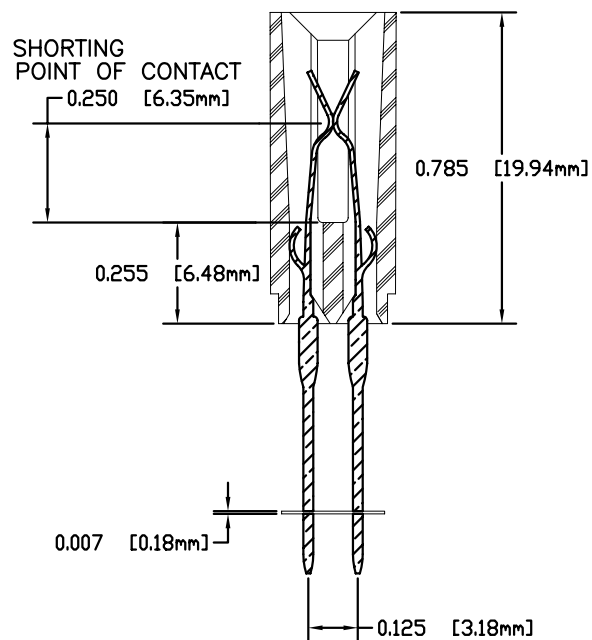
FCI PART NUMBER	1203 CODE	KS-21479 LIST #	SIZE	EARLY	LATE	SHORTING	TAIL LENGTH	TAIL PLATING	EARLY MAKE POSITIONS	LATE MAKE POSITIONS	SHORTING POSITIONS
1203-L01	A01	1						NOT	AVAILABLE		
1203-L13	A02	13						NOT	AVAILABLE		
1203-L27	A03	27						NOT	AVAILABLE		
1203-L31	A04	31	100	100	-	-	0.470	SnPb	1-100		
1203-L39	A05	39						NOT	AVAILABLE		
1203-L41	A06	41						NOT	AVAILABLE		
1203-L43	A07	43						NOT	AVAILABLE		
1203-L47	A08	47						NOT	AVAILABLE		
1203-L02	B01	2						NOT	AVAILABLE		
1203-L14	B02	14						NOT	AVAILABLE		
1203-L15	B03	15						NOT	AVAILABLE		
1203-L16	B04	16						NOT	AVAILABLE		
1203-L17	B05	17						NOT	AVAILABLE		
1203-L26	B06	26						NOT	AVAILABLE		
1203-L29	B07	29						NOT	AVAILABLE		
1203-L04	C01	4						NOT	AVAILABLE		
1203-L23	C02	23						NOT	AVAILABLE		
1203-L24	C03	24						NOT	AVAILABLE		
1203-L28	C04	28						NOT	AVAILABLE		
1203-L30	C05	30	50	50	-	-	0.470	SnPb	1-50		
1203-L32	C06	32						NOT	AVAILABLE		
1203-L33	C07	33						NOT	AVAILABLE		
1203-L40	C08	40						NOT	AVAILABLE		
1203-L42	C09	42						NOT	AVAILABLE		
1203-L46	C10	46	50	50	-	-	0.060	SnPb	1-50		
1203-L06	D01	6	54	27	27	-	0.470	SnPb	1-27	28-54	
1203-L07	D02	7	54	25	25	4	0.470	SnPb	1-17, 19-21, 23-27	28-44, 46-48, 50-54	18, 22, 45, 49
1203-L08	D03	8						NOT	AVAILABLE		
1203-L09	D04	9						NOT	AVAILABLE		
1203-L10	D05	10						NOT	AVAILABLE		
1203-L11	D06	11						NOT	AVAILABLE		
1203-L12	D07	12						NOT	AVAILABLE		
1203-L19	D08	19						NOT	AVAILABLE		
1203-L20	D09	20						NOT	AVAILABLE		
1203-L21	D10	21						NOT	AVAILABLE		
1203-L22	D11	22						NOT	AVAILABLE		
1203-L25	D12	25						NOT	AVAILABLE		
1203-L35	D13	35						NOT	AVAILABLE		
1203-L36	D14	36						NOT	AVAILABLE		
1203-L37	D15	37						NOT	AVAILABLE		
1203-L38	D16	38						NOT	AVAILABLE		
1203-D17	D17	-						NOT	AVAILABLE		
1203-D18	D18	-						NOT	AVAILABLE		
1203-L34	E01	34						NOT	AVAILABLE		
1203-L05	F01	5						NOT	AVAILABLE		
1203-L44	G01	44						NOT	AVAILABLE		
1203-L45	G02	45						NOT	AVAILABLE		

* 1203-D03 (L08) HAS HEAVY GOLD PLATING
(300 MICROINCHES) ON THE CONTACT SURFACE.

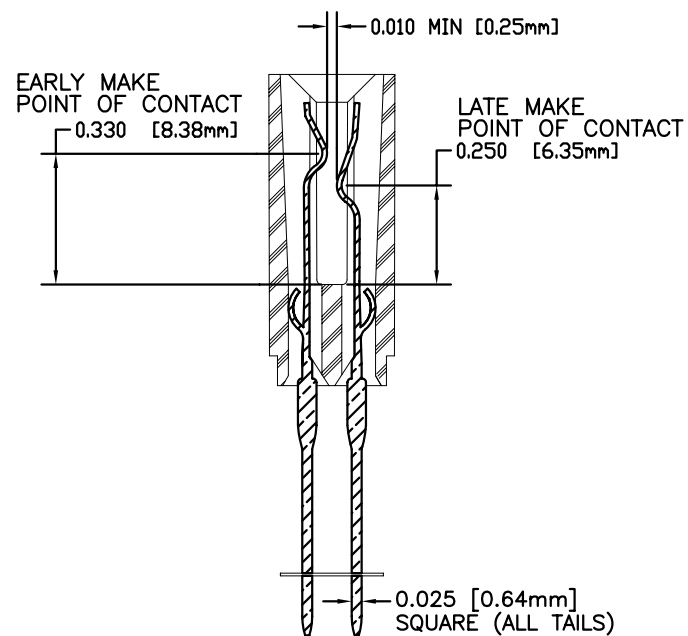
TABLE 2
SINGLE DENSITY EDGE CARD CONNECTOR
INFORMATION CHART

mat'l. code				surface ASME Y14.5		tolerance ASME Y14.5		projection INCH/MM		product family FASTECH	
ltr	ecr no	dr	date	tolerances unless otherwise specified						title SINGLE DENSITY EDGE CARD 1203 TYPE CONNECTORS	
g				angles	length			scale N/A		dwg no A89KC4205	
				dr	R. CONRAD	5/27/99				sheet 3 of 6	
				engr	R. CONRAD	5/27/99				size A4	
				chr	R. CONRAD	5/27/99				type CUSTOMER Drawing	
				appd	R. CONRAD	5/27/99					
sheet index	revision sheet										

PRODUCT NUMBER
SEE SHEET 3



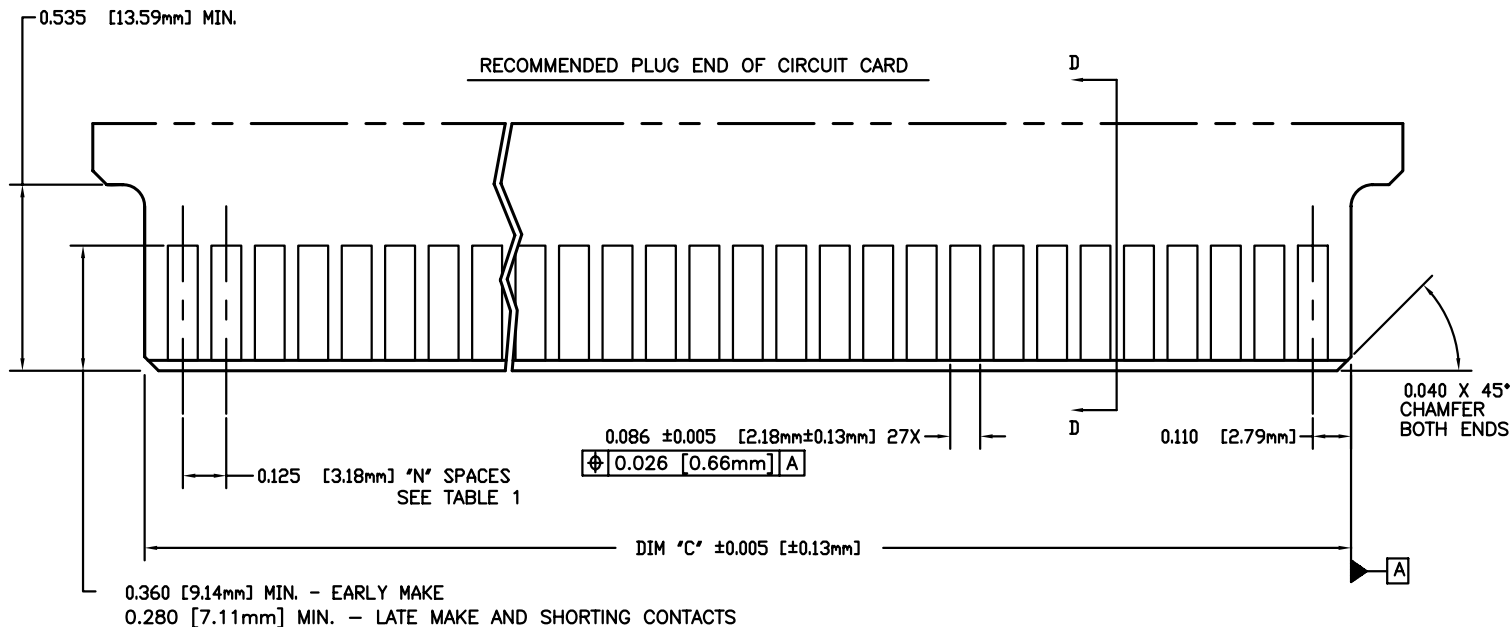
SHORTING CONTACTS
SECTION A-A



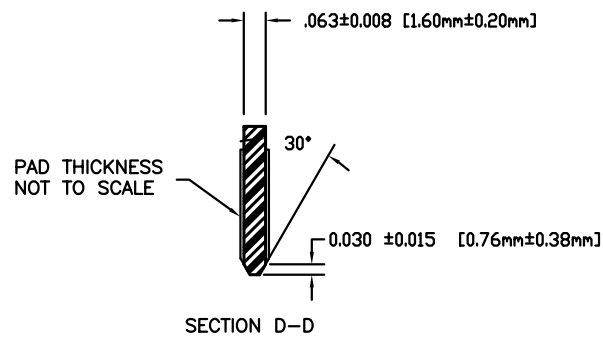
EARLY AND LATE MAKE CONTACTS
SECTION B-B

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection INCH/MM	product family FASTECH
ltr	ecr no	dr	date	tolerances unless otherwise specified		scale 1:1	title
G				angles	line		SINGLE DENSITY EDGE CARD 1203 TYPE CONNECTORS
				dr	R. CONRAD 5/27/99	FCI	dwg no
				engr	R. CONRAD 5/27/99		sheet 4 of 6
				chr	R. CONRAD 5/27/99		size
				appd	R. CONRAD 5/27/99		A4
sheet index	revision sheet						type CUSTOMER Drawing

PRODUCT NUMBER
SEE SHEET 3



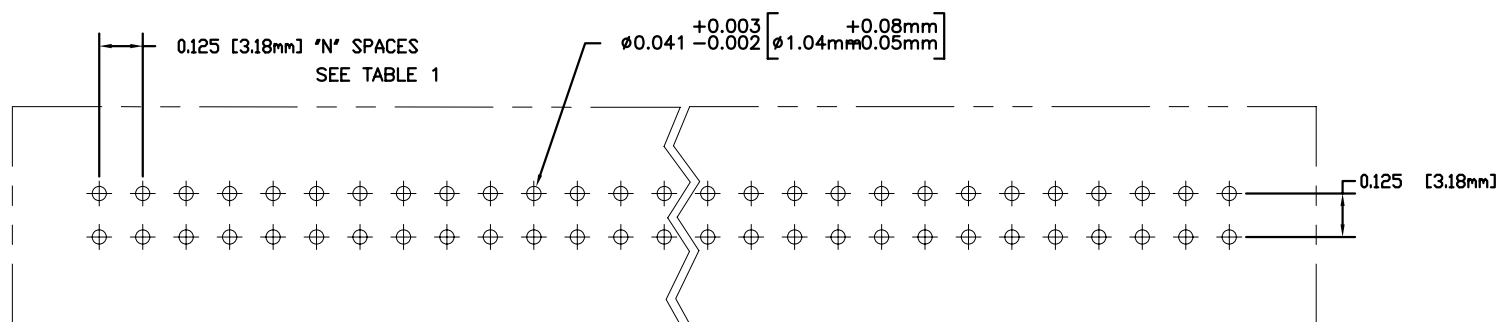
RECOMMENDED CIRCUIT CARD PLATING: 25u" (MIN.) COBALT HARDENED GOLD OVER 200u" (MIN.) NICKEL.



mat'l. code				surface ASME Y14.5 ✓	tolerance ASME Y14.5	projection ⌀	product family FASTECH
ltr	ecr no	dr	date	tolerances unless otherwise specified		INCH/MM	title
G				angles	linear	scale 1:1	SINGLE DENSITY EDGE CARD 1203 TYPE CONNECTORS
				dr	R. CONRAD	5/27/99	dwg no
				engr	R. CONRAD	5/27/99	sheet 5 of 6
				chr	R. CONRAD	5/27/99	size
				appd	R. CONRAD	5/27/99	A4
sheet index	revision sheet						type CUSTOMER Drawing

PRODUCT NUMBER
SEE SHEET 3

RECOMMENDED BACKPLANE HOLE LAYOUT



RECOMMENDED DRILL: .0465 [1.18mm]
BACKPLANE THICKNESS: .086 [2.18mm] MINIMUM.

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		
G				angles	INCH/MM	scale 1:1	SINGLE DENSITY EDGE CARD 1203 TYPE CONNECTORS		
				dr	R. CONRAD 5/27/99		dwg no	sheet 6 of 6	size
				engr	R. CONRAD 5/27/99		A89KC4205		A4
				chr	R. CONRAD 5/27/99		type CUSTOMER Drawing		
				appd	R. CONRAD 5/27/99				
sheet index	revision sheet								