PART NUMBER CODING

_ _ C _ _ DKN _ -S _ _ _ _

MATERIAL (INSULATOR/CONTACT)
- **E = BLUE PBT/PHOSPHOR BRONZE**
  OPERATING TEMP: -65°C TO +125°C
  PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY
- **R = BROWN PPS/PHOSPHOR BRONZE**
  OPERATING TEMP: -65°C TO +125°C
  PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
- **G = BLACK PA9T/PHOSPHOR BRONZE**
  OPERATING TEMP: -65°C TO +125°C
  PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
- **H = BLUE PBT/BERYLLIUM COPPER**
  OPERATING TEMP: -65°C TO +125°C
  PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY
- **A = BROWN PPS/BERYLLIUM COPPER**
  OPERATING TEMP: -65°C TO +150°C
  PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
- **J = BLACK PA9T/BERYLLIUM COPPER**
  OPERATING TEMP: -65°C TO +150°C
  PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
  (CONSULT FACTORY FOR OTHER MATERIALS)

MODIFICATION
S1191 = .400 WIDE BODY TO ACCOMMODATE .093[2.36] PCB
S1243 = .400 WIDE BODY TO ACCOMMODATE .062[1.57] PCB

MOUNTING STYLE
H = .125" DIA. CLEARANCE HOLES
I = #4-40 THREADED INSERT
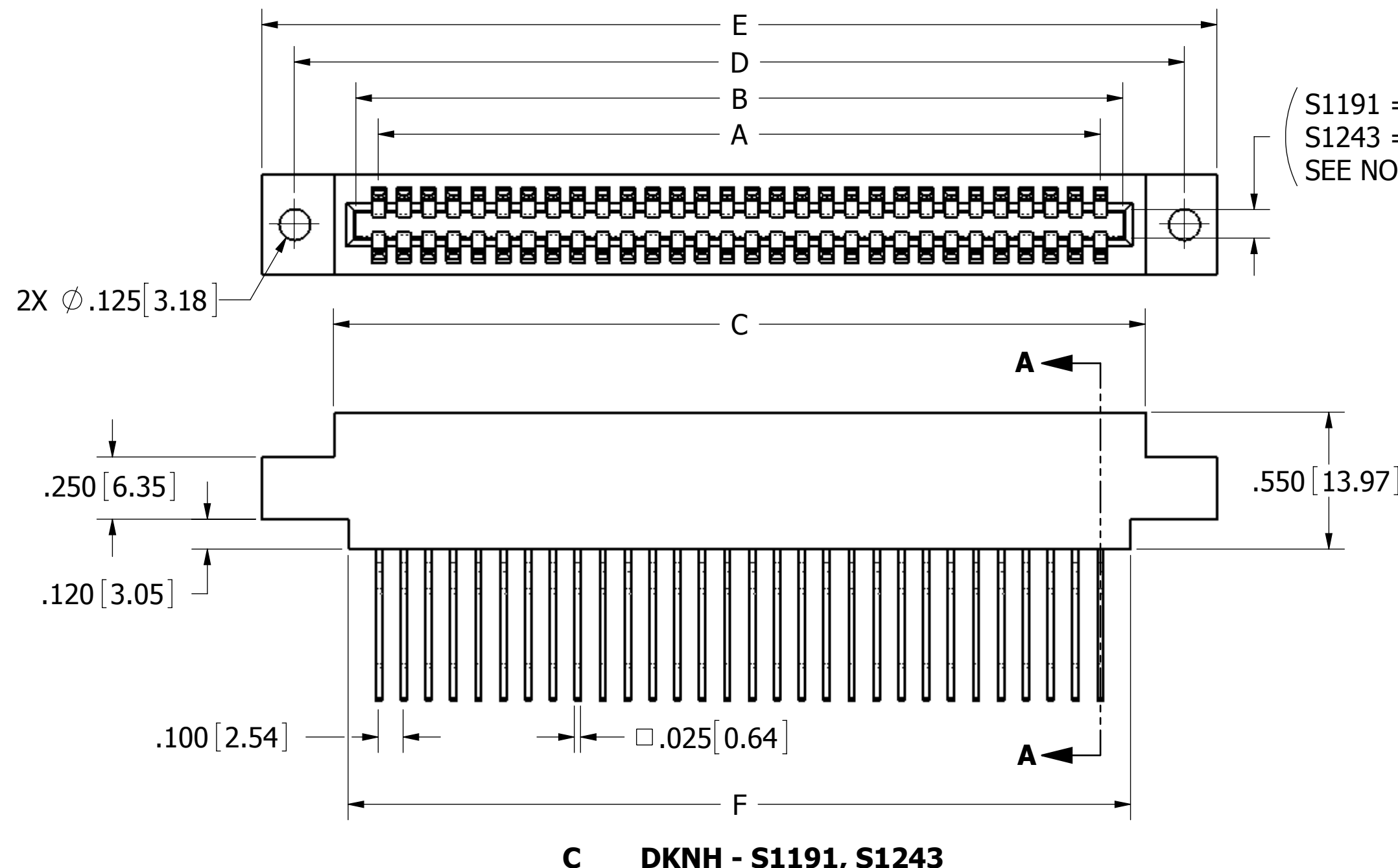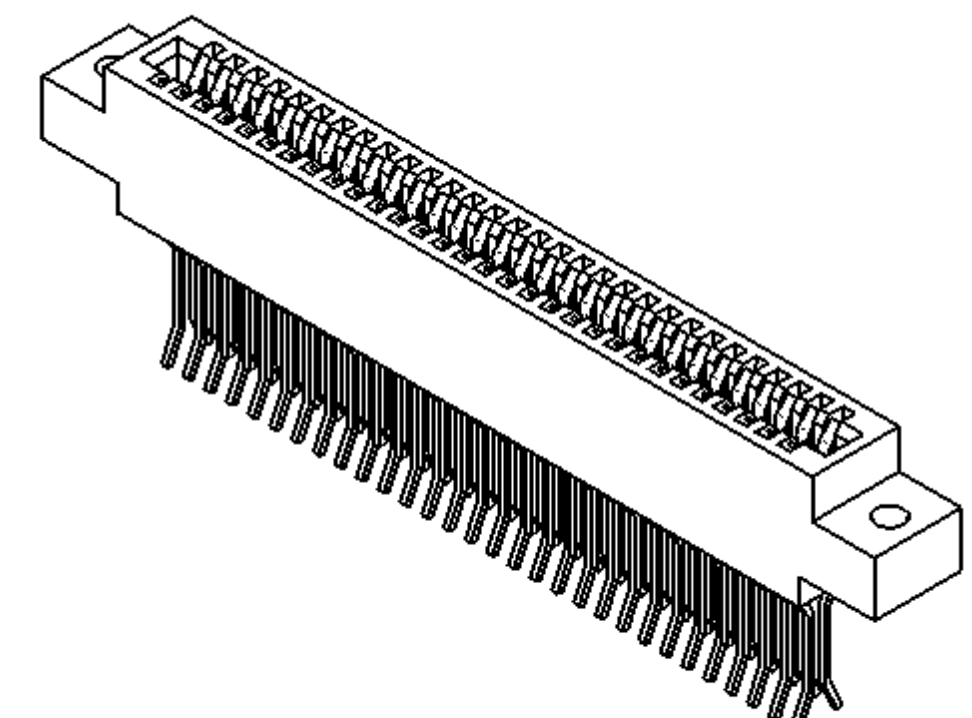S = .125" DIA. SIDE MOUNTING
N = NO MOUNTING EARS

NUMBER OF POSITIONS
(CONTACT PER ROW)

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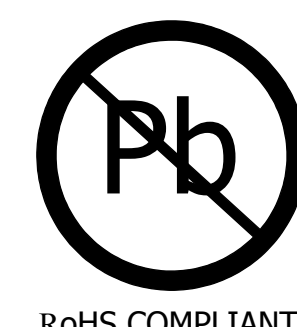ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

CONTACT SURFACE	TERMINATION
B = .000010" GOLD	.000100" PURE TIN, MATTE
C = .000030" GOLD	.000100" PURE TIN, MATTE
Y = .000030" GOLD	.000005" GOLD

S1191 = .104[2.64]
S1243 = .075[1.91]
SEE NOTE 13

2X ⌀.125[3.18]

S1191 = .065[1.65]
S1243 = .035[0.89]
GAP WIDTH

.400 +.005/-.015 [10.16 +0.13/-0.38]

.101[2.56] CONTACT POINT

.297[7.54] INSERTION DEPTH

.250[6.35]
.120[3.05]
.550[13.97]
.100[2.54]
□.025[0.64]

.605±.025 [15.37±0.64] TAIL LENGTH

ACCOMMODATES .062[1.57] PCB

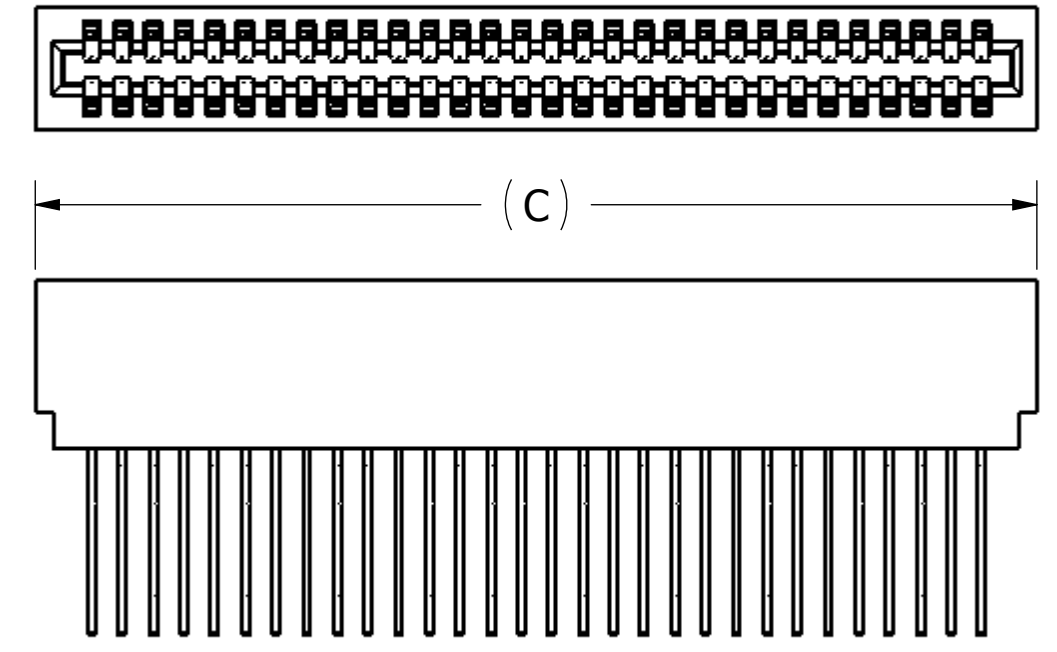**_ _ C _ _ DKNH - S1191, S1243**

SECTION A-A

NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING
2. CONTACT MATERIAL: SEE PART NUMBER CODING
3. PLATING: SEE PART NUMBER CODING
4. OPERATING TEMPERATURE: -65°C TO +125°C
5. PROCESSING TEMP: SEE PART NUMBER CODING
6. UL FLAMMABILITY RATING: 94V-0
7. OPERATING VOLTAGE: 700 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 3 AMPS
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHMS
11. DURABILITY: 500 CYCLES MIN
12. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
13. BOARD THICKNESS ACCOMMODATED: S1191 = .093±.008[2.36±0.20], S1243 = .062±.008[1.57±0.20]
14. INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .093[2.36] OR .062[1.57] TEST BLADE. INTERNAL INSPECTION TO BE PER SULLINS WORK INSTRUCTION WI7.3-01
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .093[2.36] OR .062[1.57] PCB
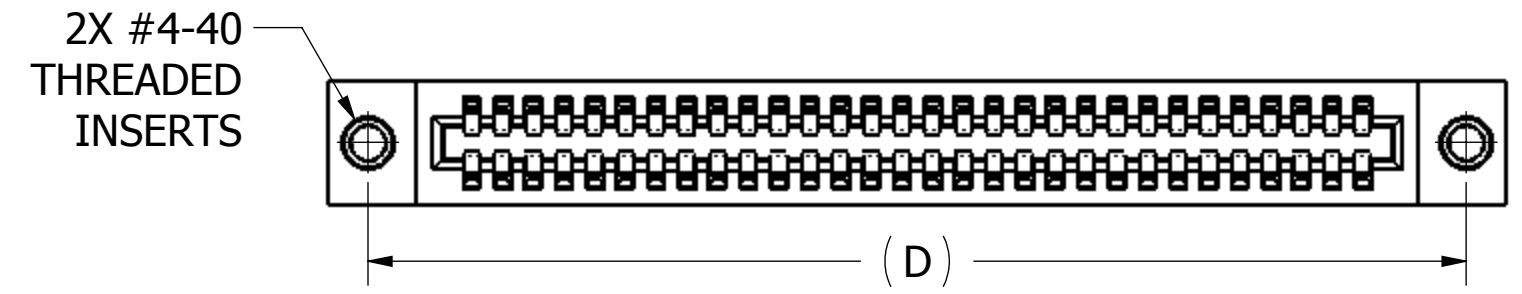16. MODIFICATION: SEE PART NUMBER CODING

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RoHS COMPLIANT

PART NUMBER	NO. OF POS.	INCHES						MILLIMETERS					
		A ±.008	B±.012	C±.015	D±.010	E±.020	F±.015	A ±0.20	B ±0.30	C ±0.38	D ±0.25	E ±0.51	F ±0.38
_ _ C05DKN _ -S _ _ _ _	5	0.400	0.600	0.760	1.075	1.335	0.642	10.16	15.24	19.30	27.31	33.91	16.31
_ _ C06DKN _ -S _ _ _ _	6	0.500	0.700	0.860	1.175	1.435	0.742	12.70	17.78	21.84	29.85	36.45	18.85
_ _ C07DKN _ -S _ _ _ _	7	0.600	0.800	0.960	1.275	1.535	0.842	15.24	20.32	24.38	32.39	38.99	21.39
_ _ C08DKN _ -S _ _ _ _	8	0.700	0.900	1.060	1.375	1.635	0.942	17.78	22.86	26.92	34.93	41.53	23.93
_ _ C09DKN _ -S _ _ _ _	9	0.800	1.000	1.160	1.475	1.735	1.042	20.32	25.40	29.46	37.47	44.07	26.47
_ _ C10DKN _ -S _ _ _ _	10	0.900	1.100	1.260	1.575	1.835	1.142	22.86	27.94	32.00	40.01	46.61	29.01
_ _ C11DKN _ -S _ _ _ _	11	1.000	1.200	1.360	1.675	1.935	1.242	25.40	30.48	34.54	42.55	49.15	31.55
_ _ C12DKN _ -S _ _ _ _	12	1.100	1.300	1.460	1.775	2.035	1.342	27.94	33.02	37.08	45.09	51.69	34.09
_ _ C13DKN _ -S _ _ _ _	13	1.200	1.400	1.560	1.875	2.135	1.442	30.48	35.56	39.62	47.63	54.23	36.63
_ _ C14DKN _ -S _ _ _ _	14	1.300	1.500	1.660	1.975	2.235	1.542	33.02	38.10	42.16	50.17	56.77	39.17
_ _ C15DKN _ -S _ _ _ _	15	1.400	1.600	1.760	2.075	2.335	1.642	35.56	40.64	44.70	52.71	59.31	41.71
_ _ C16DKN _ -S _ _ _ _	16	1.500	1.700	1.860	2.175	2.435	1.742	38.10	43.18	47.24	55.25	61.85	44.25
_ _ C17DKN _ -S _ _ _ _	17	1.600	1.800	1.960	2.275	2.535	1.842	40.64	45.72	49.78	57.79	64.39	46.79
_ _ C18DKN _ -S _ _ _ _	18	1.700	1.900	2.060	2.375	2.635	1.942	43.18	48.26	52.32	60.33	66.93	49.33
_ _ C19DKN _ -S _ _ _ _	19	1.800	2.000	2.160	2.475	2.735	2.042	45.72	50.80	54.86	62.87	69.47	51.87
_ _ C20DKN _ -S _ _ _ _	20	1.900	2.100	2.260	2.575	2.835	2.142	48.26	53.34	57.40	65.41	72.01	54.41
_ _ C21DKN _ -S _ _ _ _	21	2.000	2.200	2.360	2.675	2.935	2.242	50.80	55.88	59.94	67.95	74.55	56.95
_ _ C22DKN _ -S _ _ _ _	22	2.100	2.300	2.460	2.775	3.035	2.342	53.34	58.42	62.48	70.49	77.09	59.49
_ _ C23DKN _ -S _ _ _ _	23	2.200	2.400	2.560	2.875	3.135	2.442	55.88	60.96	65.02	73.03	79.63	62.03
_ _ C24DKN _ -S _ _ _ _	24	2.300	2.500	2.660	2.975	3.235	2.542	58.42	63.50	67.56	75.57	82.17	64.57
_ _ C25DKN _ -S _ _ _ _	25	2.400	2.600	2.760	3.075	3.335	2.642	60.96	66.04	70.10	78.11	84.71	67.11
_ _ C26DKN _ -S _ _ _ _	26	2.500	2.700	2.860	3.175	3.435	2.742	63.50	68.58	72.64	80.65	87.25	69.65
_ _ C27DKN _ -S _ _ _ _	27	2.600	2.800	2.960	3.275	3.535	2.842	66.04	71.12	75.18	83.19	89.79	72.19
_ _ C28DKN _ -S _ _ _ _	28	2.700	2.900	3.060	3.375	3.635	2.942	68.58	73.66	77.72	85.73	92.33	74.73
_ _ C29DKN _ -S _ _ _ _	29	2.800	3.000	3.160	3.475	3.735	3.042	71.12	76.20	80.26	88.27	94.87	77.27
_ _ C30DKN _ -S _ _ _ _	30	2.900	3.100	3.260	3.575	3.835	3.142	73.66	78.74	82.80	90.81	97.41	79.81
_ _ C31DKN _ -S _ _ _ _	31	3.000	3.200	3.360	3.675	3.935	3.242	76.20	81.28	85.34	93.35	99.95	82.35
_ _ C32DKN _ -S _ _ _ _	32	3.100	3.300	3.460	3.775	4.035	3.342	78.74	83.82	87.88	95.89	102.49	84.89
_ _ C33DKN _ -S _ _ _ _	33	3.200	3.400	3.560	3.875	4.135	3.442	81.28	86.36	90.42	98.43	105.03	87.43
_ _ C34DKN _ -S _ _ _ _	34	3.300	3.500	3.660	3.975	4.235	3.542	83.82	88.90	92.96	100.97	107.57	89.97
_ _ C35DKN _ -S _ _ _ _	35	3.400	3.600	3.760	4.075	4.335	3.642	86.36	91.44	95.50	103.51	110.11	92.51
_ _ C36DKN _ -S _ _ _ _	36	3.500	3.700	3.860	4.175	4.435	3.742	88.90	93.98	98.04	106.05	112.65	95.05
_ _ C37DKN _ -S _ _ _ _	37	3.600	3.800	3.960	4.275	4.535	3.842	91.44	96.52	100.58	108.59	115.19	97.59
_ _ C38DKN _ -S _ _ _ _	38	3.700	3.900	4.060	4.375	4.635	3.942	93.98	99.06	103.12	111.13	117.73	100.13
_ _ C39DKN _ -S _ _ _ _	39	3.800	4.000	4.160	4.475	4.735	4.042	96.52	101.60	105.66	113.67	120.27	102.67
_ _ C40DKN _ -S _ _ _ _	40	3.900	4.100	4.260	4.575	4.835	4.142	99.06	104.14	108.20	116.21	122.81	105.21
_ _ C41DKN _ -S _ _ _ _	41	4.000	4.200	4.360	4.675	4.935	4.242	101.60	106.68	110.74	118.75	125.35	107.75
_ _ C42DKN _ -S _ _ _ _	42	4.100	4.300	4.460	4.775	5.035	4.342	104.14	109.22	113.28	121.29	127.89	110.29
_ _ C43DKN _ -S _ _ _ _	43	4.200	4.400	4.560	4.875	5.135	4.442	106.68	111.76	115.82	123.83	130.43	112.83
_ _ C44DKN _ -S _ _ _ _	44	4.300	4.500	4.660	4.975	5.235	4.542	109.22	114.30	118.36	126.37	132.97	115.37
_ _ C45DKN _ -S _ _ _ _	45	4.400	4.600	4.760	5.075	5.335	4.642	111.76	116.84	120.90	128.91	135.51	117.91
_ _ C46DKN _ -S _ _ _ _	46	4.500	4.700	4.860	5.175	5.435	4.742	114.30	119.38	123.44	131.45	138.05	120.45
_ _ C47DKN _ -S _ _ _ _	47	4.600	4.800	4.960	5.275	5.535	4.842	116.84	121.92	125.98	133.99	140.59	122.99
_ _ C48DKN _ -S _ _ _ _	48	4.700	4.900	5.060	5.375	5.635	4.942	119.38	124.46	128.52	136.53	143.13	125.53
_ _ C49DKN _ -S _ _ _ _	49	4.800	5.000	5.160	5.475	5.735	5.042	121.92	127.00	131.06	139.07	145.67	128.07
_ _ C50DKN _ -S _ _ _ _	50	4.900	5.100	5.260	5.575	5.835	5.142	124.46	129.54	133.60	141.61	148.21	130.61
_ _ C51DKN _ -S _ _ _ _	51	5.000	5.200	5.360	5.675	5.935	5.242	127.00	132.08	136.14	144.15	150.75	133.15
_ _ C52DKN _ -S _ _ _ _	52	5.100	5.300	5.460	5.775	6.035	5.342	129.54	134.62	138.68	146.69	153.29	135.69
_ _ C53DKN _ -S _ _ _ _	53	5.200	5.400	5.560	5.875	6.135	5.442	132.08	137.16	141.22	149.23	155.83	138.23
_ _ C54DKN _ -S _ _ _ _	54	5.300	5.500	5.660	5.975	6.235	5.542	134.62	139.70	143.76	151.77	158.37	140.77
_ _ C55DKN _ -S _ _ _ _	55	5.400	5.600	5.760	6.075	6.335	5.642	137.16	142.24	146.30	154.31	160.91	143.31
_ _ C56DKN _ -S _ _ _ _	56	5.500	5.700	5.860	6.175	6.435	5.742	139.70	144.78	148.84	156.85	163.45	145.85
_ _ C57DKN _ -S _ _ _ _	57	5.600	5.800	5.960	6.275	6.535	5.842	142.24	147.32	151.38	159.39	165.99	148.39
_ _ C58DKN _ -S _ _ _ _	58	5.700	5.900	6.060	6.375	6.635	5.942	144.78	149.86	153.92	161.93	168.53	150.93
_ _ C59DKN _ -S _ _ _ _	59	5.800	6.000	6.160	6.475	6.735	6.042	147.32	152.40	156.46	164.47	171.07	153.47
_ _ C60DKN _ -S _ _ _ _	60	5.900	6.100	6.260	6.575	6.835	6.142	149.86	154.94	159.00	167.01	173.61	156.01
_ _ C61DKN _ -S _ _ _ _	61	6.000	6.200	6.360	6.675	6.935	6.242	152.40	157.48	161.54	169.55	176.15	158.55
_ _ C62DKN _ -S _ _ _ _	62	6.100	6.300	6.460	6.775	7.035	6.342	154.94	160.02	164.08	172.09	178.69	161.09
_ _ C63DKN _ -S _ _ _ _	63	6.200	6.400	6.560	6.875	7.135	6.442	157.48	162.56	166.62	174.63	181.23	163.63
_ _ C64DKN _ -S _ _ _ _	64	6.300	6.500	6.660	6.975	7.235	6.542	160.02	165.10	169.16	177.17	183.77	166.17
_ _ C65DKN _ -S _ _ _ _	65	6.400	6.600	6.760	7.075	7.335	6.642	162.56	167.64	171.70	179.71	186.31	168.71
_ _ C66DKN _ -S _ _ _ _	66	6.500	6.700	6.860	7.175	7.435	6.742	165.10	170.18	174.24	182.25	188.85	171.25
_ _ C67DKN _ -S _ _ _ _	67	6.600	6.800	6.960	7.275	7.535	6.842	167.64	172.72	176.78	184.79	191.39	173.79
_ _ C68DKN _ -S _ _ _ _	68	6.700	6.900	7.060	7.375	7.635	6.942	170.18	175.26	179.32	187.33	193.93	176.33
_ _ C69DKN _ -S _ _ _ _	69	6.800	7.000	7.160	7.475	7.735	7.042	172.72	177.80	181.86	189.87	196.47	178.87
_ _ C70DKN _ -S _ _ _ _	70	6.900	7.100	7.260	7.575	7.835	7.142	175.26	180.34	184.40	192.41	199.01	181.41

(C)

_ _ C _ _ DKNN - S1191, S1243

2X #4-40 THREADED INSERTS

(D)

_ _ C _ _ DKNI - S1191, S1243

2X ⌀ .125 [3.18]

.245 [6.22]

D
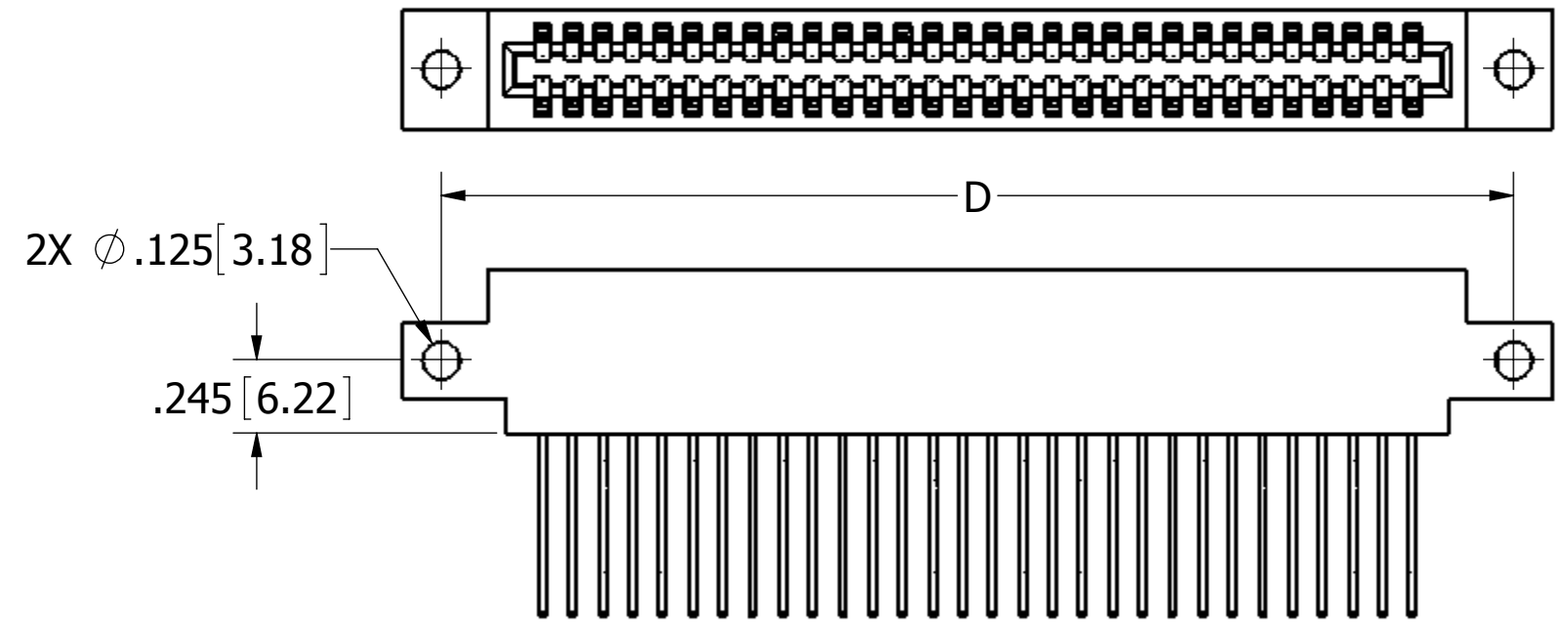
_ _ C _ _ DKNS - S1191, S1243

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]	DRAWN / DATE / NAME
TOLERANCES:	10/29/2007 MNH
ANGULAR: ± 1°	
DECIMALS	
.XX= ± .02 [.5]	
.XXX= ± .005 [.13]	
.XXXX= ± .0005 [.013]	

SULLINS CONNECTOR SOLUTIONS

TITLE
EDGECARD, .100 CC, .062 & .093 PCB, HP

PART NUMBER
_ _ C _ _ DKN _-S _ _ _ _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10809	D

SCALE: 2:1   SHEET 2 OF 2

FILE NAME: C10809._ _ C _ _ DKN_-S1191, S1243