REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
C	985	REDRAW/REVISE. ALL AVAILABLE MOUNTINGS ADDED	04/12/06	MNH
D	1346	ADDED METRIC DIMENSIONS, TABULATED MATERIALS	06/29/07	ASK
E	1810	ADD HB TERMINATION, UPDATE LAYOUT	9/25/2008	ASK

PART NUMBER CODING

_ _ B _ _ D _ _ _

MATERIAL (INSULATOR/CONTACT)

E = BLACK, PBT/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 10 SECS MAX

R = BLACK, PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX

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

H = BLACK, PBT/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 10 SECS MAX

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

J = BLACK, PA9T/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX

(CONSULT FACTORY FOR OTHER MATERIALS)

MOUNTING STYLE

D = .250" EARS, FLUSH MOUNTING
N = NO MOUNTING EARS
A = SIDE MOUNTING WITH #4-40 THREADED INSERTS
R = NO MOUNTING EARS, WITH BOARD LOCKS
S = SIDE MOUNTING
T = .250" EARS, FLUSH MOUNTING WITH #4-40 THD INSERTS

TERMINATION TYPE

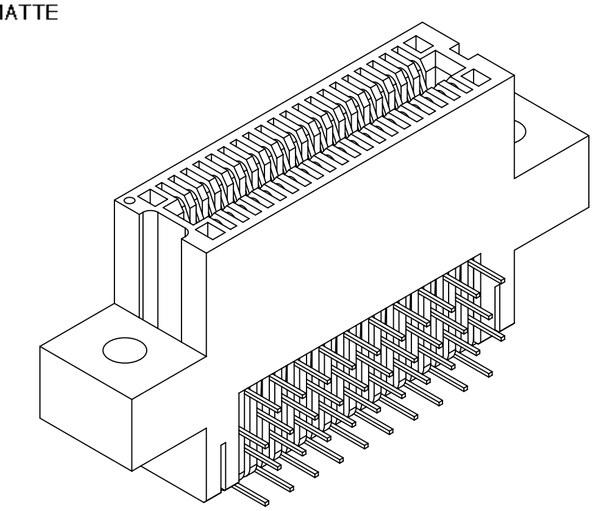
HA = .100" [2.54 mm] STAGGERED DIP SOLDER, .050" CENTERS
HB = .170" [4.32 mm] STAGGERED DIP SOLDER, .050" CENTERS

NUMBER OF POSITIONS

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



NOTES:

1. MATERIALS:
   - A. INSULATOR: SEE PART NUMBER CODING.
   - B. CONTACT: SEE PART NUMBER CODING.
   - C. PLATING: SEE PART NUMBER CODING.
2. THERMAL:
   - A. OPERATING TEMPERATURE: SEE PART NUMBER CODING.
   - B. PROCESSING TEMP: SEE PART NUMBER CODING.
   - C. UL FLAMMABILITY RATING: 94V-0.
3. ELECTRICAL:
   - A. DIELECTRIC WITHSTANDING VOLTAGE: MATED CONNECTOR MUST EXHIBIT NO EVIDENCE OF BREAKDOWN, FLASHOVER, OR DETERIORATION FROM AN APPLIED VOLTAGE OF 300 VAC (VALUE HAS BEEN DE-RATED), RMS 60 Hz WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION SHALL BE 5 SECS MIN.
   - B. INSULATION RESISTANCE (IR): 5,000 MEGOHMS @ 500 VOLTS ±10% WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3003 @ 25°C.
   - C. CONTACT RESISTANCE: 30 MILLIOHM MAX AT RATED CURRENT WHEN TESTED PER MIL-STD-202, METHOD 307 @ 25°C ±3°C.
   - D. CURRENT RATING: 1 AMP PER CONTACT.
4. MECHANICAL:
   - A. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A LOT CODE AS A MINIMUM. IF SPACE PERMITS ALSO MARK PART WITH SULLINS WEBSITE, AND PART NUMBER.
   - B. DURABILITY: 500 CYCLES MINIMUM.
   - C. BOARD THICKNESS ACCOMMODATED: .062 ±.008"
   - D. BOARD INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062" TEST BLADE. INTERNAL INSPECTION TO BE PER SULLIN'S WORK INSTRUCTION W17.3-01.
   - E. BOARD WITHDRAWAL FORCE: 1 OUNCE MINIMUM PER CONTACT PAIR USING .062" PCB.

Pb

RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES[MM]
TOLERANCES:
ANGULAR: ± 30'
.XX=± .02 [.508]
.XXX=± .005 [.1270]
.XXXX=± .0005 [.0127]
SURFACE FINISH: 63 Ra
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING
PER: ANSI Y14.5M-1994

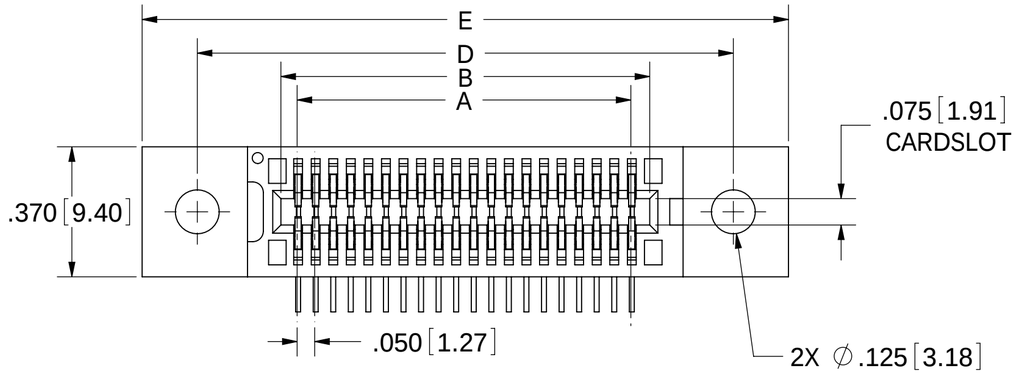
	DATE	NAME
DRAWN	04/12/06	MNH

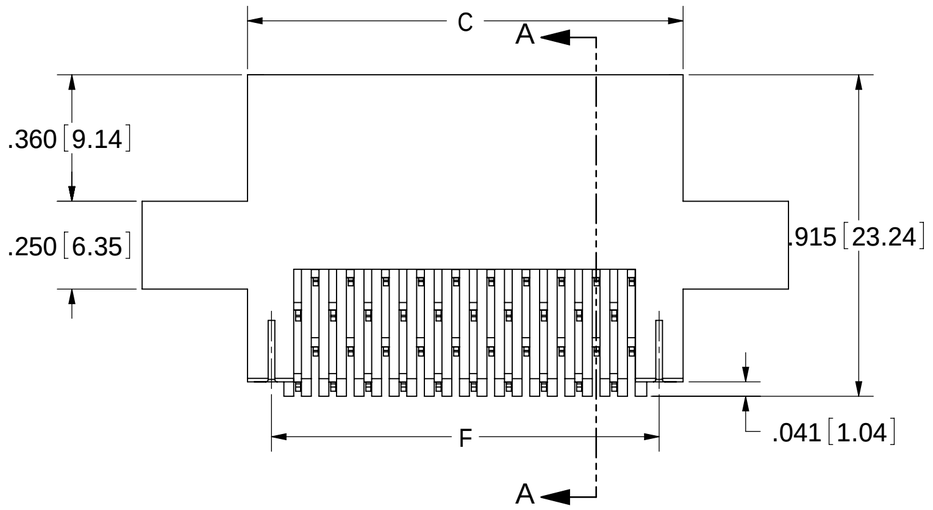
THE INFORMATION HEREIN CONTAINS PROPIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.

SULLINS CONNECTOR SOLUTIONS

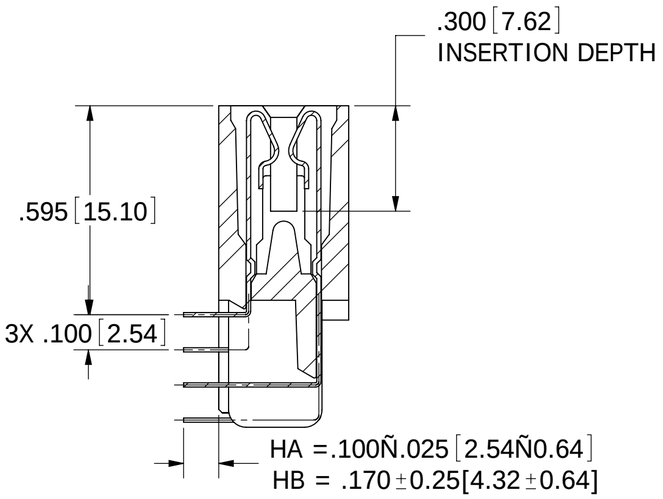
DESCRIPTION: EDGECARD, .050 CC, RAB
PART NUMBER: **_ _B_ _D_ _ _, (DHA, DHB)**

SIZE	DWG. NO.	REV
C	C10091	E
SCALE: 3:1		SHEET 1 OF 3

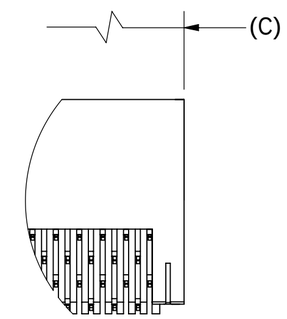




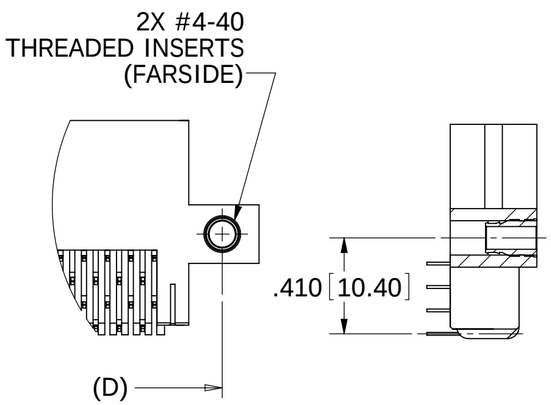
_ _B_ _D_ _D



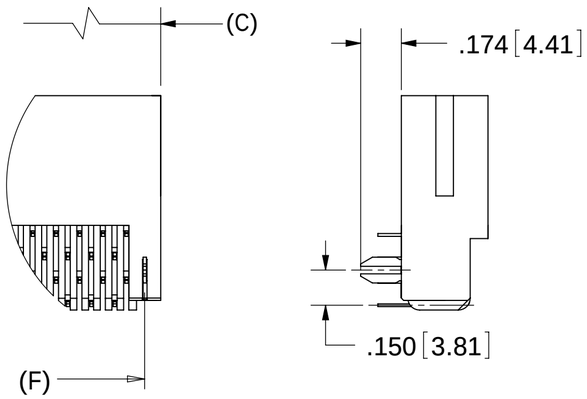
SECTION A-A
SCALE 3 : 1



_ _B_ _ D_ _N



_ _B_ _ D_ _A



_ _B_ _D_ _R

MOUNTING STYLES

(SEE PAGE 3 FOR ADDITIONAL MOUNTING STYLES)

CUSTOMER COPY

RoHS COMPLIANT

SULLINS CONNECTOR SOLUTIONS

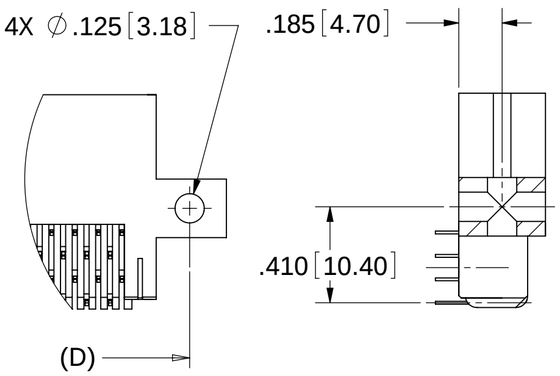
DESCRIPTION: EDGECARD, .050 CC, RAB

PART NUMBER: **_ _B_ _D_ _ _, (DHA, DHB)**

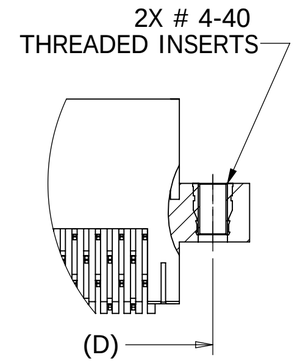
SIZE	DWG. NO.	REV
C	C10091	E

SCALE: 2:1 | SHEET 2 OF 3

PART NUMBER	NO OF POSITIONS	A±.005[0.13]		B±.005[0.13]		C±.015[0.38]		D±.010[0.25]		E±.020[0.51]		F±.010[0.25]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
_ _ B05D_ _ _	5	0.200	5.08	0.300	7.62	0.490	12.45	0.776	19.71	1.090	27.69	0.350	8.89
_ _ B06D_ _ _	6	0.250	6.35	0.350	8.89	0.540	13.72	0.826	20.98	1.140	28.96	0.400	10.16
_ _ B09D_ _ _	9	0.400	10.16	0.500	12.70	0.690	17.53	0.976	24.79	1.290	32.77	0.550	13.97
_ _ B10D_ _ _	10	0.450	11.43	0.550	13.97	0.740	18.80	1.026	26.06	1.340	34.04	0.600	15.24
_ _ B13D_ _ _	13	0.600	15.24	0.700	17.78	0.890	22.61	1.176	29.87	1.490	37.85	0.750	19.05
_ _ B14D_ _ _	14	0.650	16.51	0.750	19.05	0.940	23.88	1.226	31.14	1.540	39.12	0.800	20.32
_ _ B15D_ _ _	15	0.700	17.78	0.800	20.32	0.990	25.15	1.276	32.41	1.590	40.39	0.850	21.59
_ _ B20D_ _ _	20	0.950	24.13	1.050	26.67	1.240	31.50	1.526	38.76	1.840	46.74	1.100	27.94
_ _ B22D_ _ _	22	1.050	26.67	1.150	29.21	1.340	34.04	1.626	41.30	1.940	49.28	1.200	30.48
_ _ B25D_ _ _	25	1.200	30.48	1.300	33.02	1.490	37.85	1.776	45.11	2.090	53.09	1.350	34.29
_ _ B30D_ _ _	30	1.450	36.83	1.550	39.37	1.740	44.20	2.026	51.46	2.340	59.44	1.600	40.64
_ _ B34D_ _ _	34	1.650	41.91	1.750	44.45	1.940	49.28	2.226	56.54	2.540	64.52	1.800	45.72
_ _ B35D_ _ _	35	1.700	43.18	1.800	45.72	1.990	50.55	2.276	57.81	2.590	65.79	1.850	46.99
_ _ B40D_ _ _	40	1.950	49.53	2.050	52.07	2.240	56.90	2.526	64.16	2.840	72.14	2.100	53.34
_ _ B45D_ _ _	45	2.200	55.88	2.300	58.42	2.490	63.25	2.776	70.51	3.090	78.49	2.350	59.69
_ _ B50D_ _ _	50	2.450	62.23	2.550	64.77	2.740	69.60	3.026	76.86	3.340	84.84	2.600	66.04
_ _ B55D_ _ _	55	2.700	68.58	2.800	71.12	2.990	75.95	3.276	83.21	3.590	91.19	2.850	72.39
_ _ B60D_ _ _	60	2.950	74.93	3.050	77.47	3.240	82.30	3.526	89.56	3.840	97.54	3.100	78.74
_ _ B64D_ _ _	64	3.150	80.01	3.250	82.55	3.440	87.38	3.726	94.64	4.040	102.62	3.300	83.82
_ _ B65D_ _ _	65	3.200	81.28	3.300	83.82	3.490	88.65	3.776	95.91	4.090	103.89	3.350	85.09
_ _ B66D_ _ _	66	3.250	82.55	3.350	85.09	3.540	89.92	3.826	97.18	4.140	105.16	3.400	86.36
_ _ B70D_ _ _	70	3.450	87.63	3.550	90.17	3.740	95.00	4.026	102.26	4.340	110.24	3.600	91.44
_ _ B75D_ _ _	75	3.700	93.98	3.800	96.52	3.990	101.35	4.276	108.61	4.590	116.59	3.850	97.79
_ _ B80D_ _ _	80	3.950	100.33	4.050	102.87	4.240	107.70	4.526	114.96	4.840	122.94	4.100	104.14
_ _ B85D_ _ _	85	4.200	106.68	4.300	109.22	4.490	114.05	4.776	121.31	5.090	129.29	4.350	110.49
_ _ B90D_ _ _	90	4.450	113.03	4.550	115.57	4.740	120.40	5.026	127.66	5.340	135.64	4.600	116.84
_ _ B95D_ _ _	95	4.700	119.38	4.800	121.92	4.990	126.75	5.276	134.01	5.590	141.99	4.850	123.19
_ _ B100D_ _ _	100	4.950	125.73	5.050	128.27	5.240	133.10	5.526	140.36	5.840	148.34	5.100	129.54
_ _ B105D_ _ _	105	5.200	132.08	5.300	134.62	5.490	139.45	5.776	146.71	6.090	154.69	5.350	135.89
_ _ B108D_ _ _	108	5.350	135.89	5.450	138.43	5.640	143.26	5.926	150.52	6.240	158.50	5.500	139.70
_ _ B110D_ _ _	110	5.450	138.43	5.550	140.97	5.740	145.80	6.026	153.06	6.340	161.04	5.600	142.24
_ _ B120D_ _ _	120	5.950	151.13	6.050	153.67	6.240	158.50	"N" MOUNTING ONLY				6.100	154.94

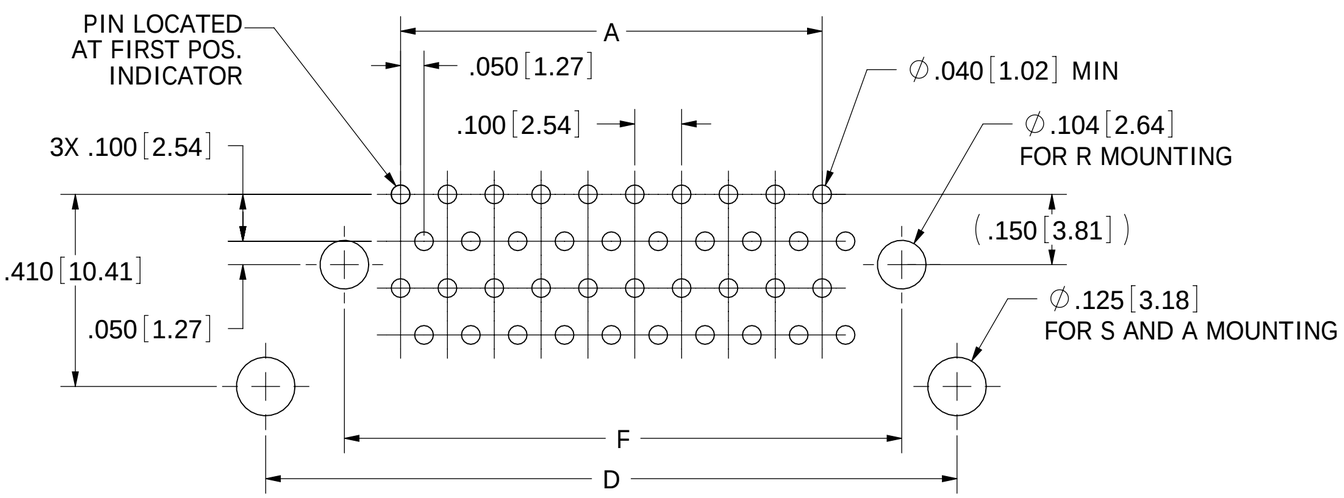


_ _B_ _D_ _S

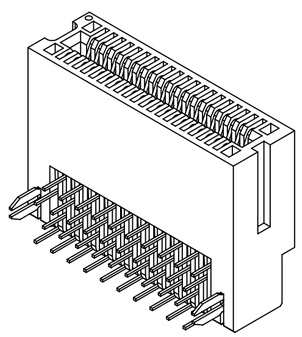


_ _B_ _D_ _T

MOUNTING STYLES



RECOMMENDED PCB LAYOUT
COMPONENT SIDE



CUSTOMER COPY

RoHS COMPLIANT

SULLINS CONNECTOR SOLUTIONS

DESCRIPTION: EDGECARD, .050 CC, RAB

PART NUMBER: **_ _B_ _D_ _ _, (DHA, DHB)**

SIZE	DWG. NO.	REV
C	C10091	E

SCALE: 4:1 | SHEET 3 OF 3

FILE NAME: C:\Documents and Settings\Andy\Desktop\PDM-WIP\C10091, _ _B_ _D_ _ _, (DHA, DHB) PRINT: 10/22/2008