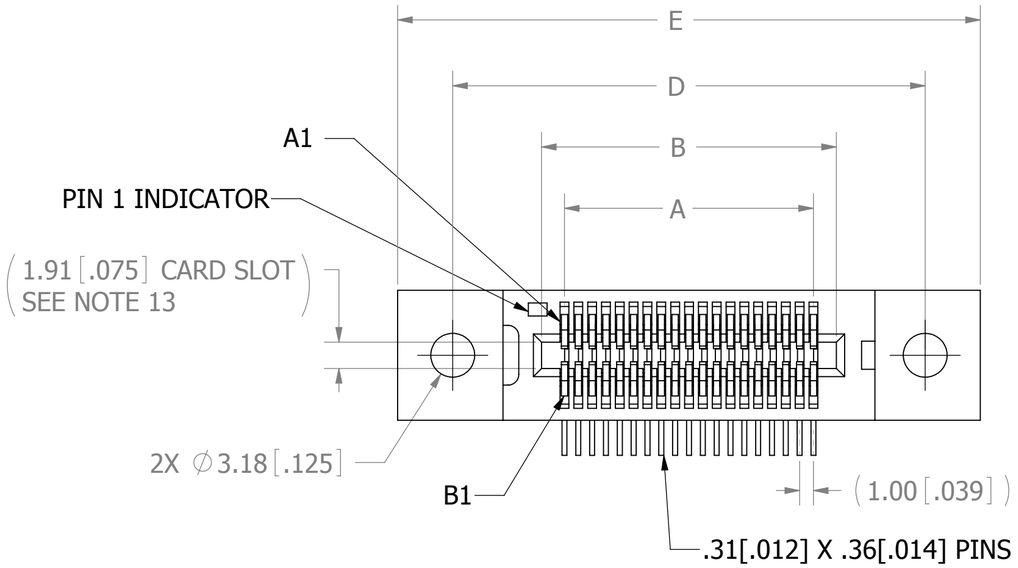
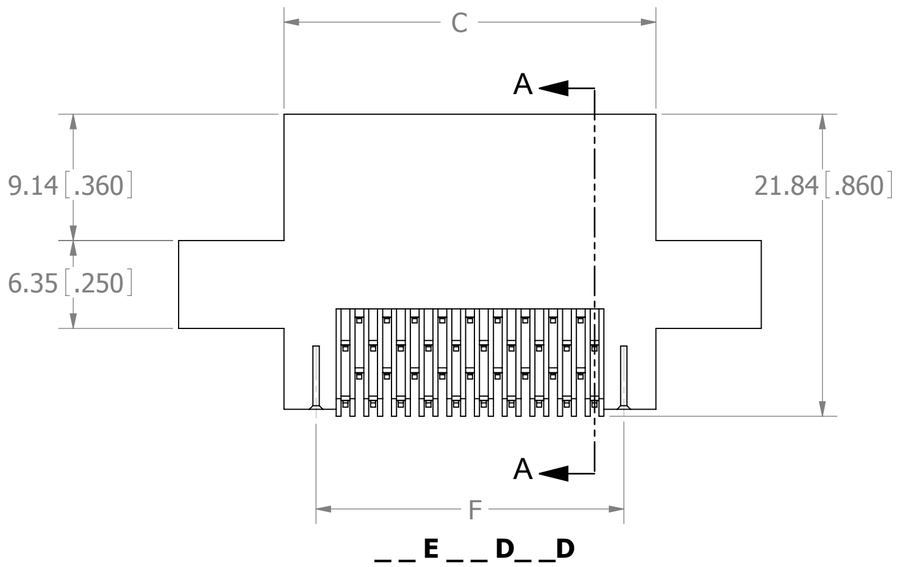
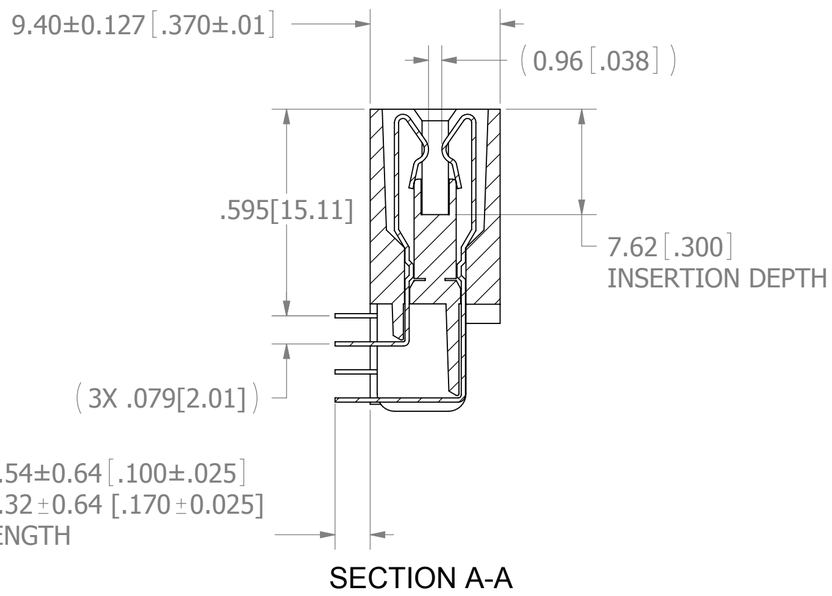
REVISIONS				
REV.	ECO NO.	DESCRIPTION	DATE	BY
F	2010	CORRECTED PCB LAYOUT DIM. FOR 'S' MOUNTING FROM 4.42 TO 2.62, CHANGED PRIMARY DIM. TO METRIC	7/30/2009	TT
G	2139	REMOVE 'E' & 'H' MATERIAL OPTIONS, UPDATE NOTES, PIN SIZE WAS .012 x .015	5/12/2010	JH
H	2299	UPDATE PARTS LIST FOR CORRECTION TO ITEM 1 DWG NUMBER	5/16/2011	EB







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: SEE PART NUMBER CODING
5. PROCESSING TEMP: 260°C FOR 120 SECONDS MAX
6. UL FLAMMABILITY RATING: 94V-0
7. DIELECTRIC WITHSTANDING VOLTAGE: 225 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 1 AMP PER CONTACT
9. CONTACT RESISTENCE: 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: .062±.008[1.57±0.20]
14. INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE INTERNAL INSPECTION TO BE PER SULLIN'S WORK INSTRUCTION WI7.3-01
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB

Pb

RoHS COMPLIANT

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES: ANGULAR: ± 30'
.XX=± .02 [.5]
.XXX=± .005 [.13]
.XXXX=± .0005 [.013]

INTERPRET DIMENSIONS AND TOLERANCING
PER: ASME Y14.5M-2009

DRAWN	DATE	NAME
	11/24/03	JFW

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, 1MM CC, RA

PART NUMBER: _ _ E _ _ DHA (DHB) _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10093	H

SCALE: 3:1 SHEET 1 OF 3

FILE NAME: C10093, _ _E_ _ _DH_ _, DHA, DHB

PART NUMBER CODING

__E__D___

MATERIAL (INSULATOR/CONTACT)

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

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

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

A = PPS/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 =	FLUSH MOUNTING
N =	NO MOUNTING EARS
T =	FLUSH MTG. WITH THRD INSERT
R =	BOARD LOCKS
S =	SIDE MOUNTING

MOUNTING STYLE

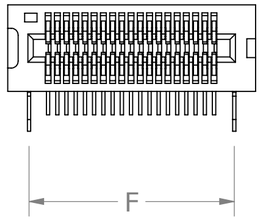
HA=	.100"[2.54] TAIL LENGTH
HB=	.170"[4.32] TAIL LENGTH

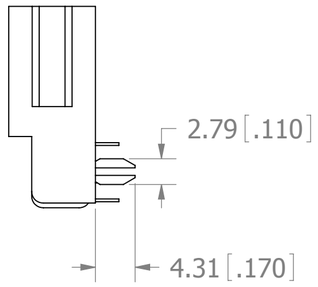
NUMBER OF POSITIONS (CONTACTS PER ROW)

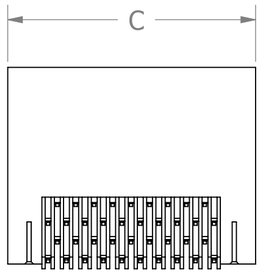
PLATING

ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

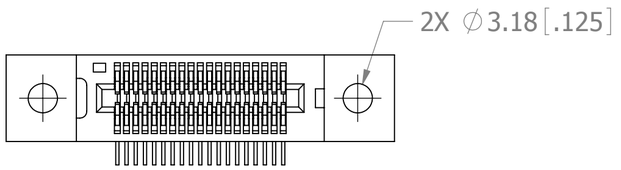
CONTACT SURFACE		TERMINATION
B=	.000010" GOLD	.000100" PURE TIN, MATTE
C=	.000030" GOLD	.000100" PURE TIN, MATTE

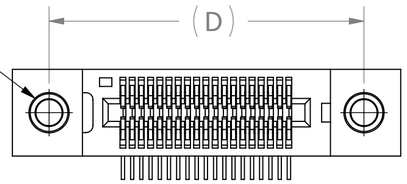


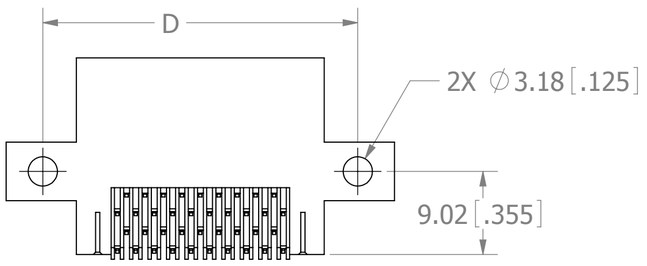




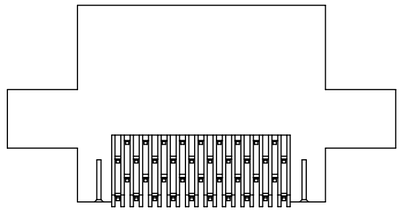
__E__D__R



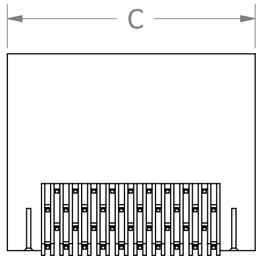




__E__D__S



__E__D__T



__E__D__N

RoHS COMPLIANT

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.XX= ± .02 [.5]
.XXX= ± .005 [.13]
.XXXX= ± .0005 [.013]

INTERPRET DIMENSIONS AND TOLERANCING
PER: ASME Y14.5M-2009

DRAWN	DATE	NAME
	11/24/03	JFW

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SULLINS CONNECTOR SOLUTIONS

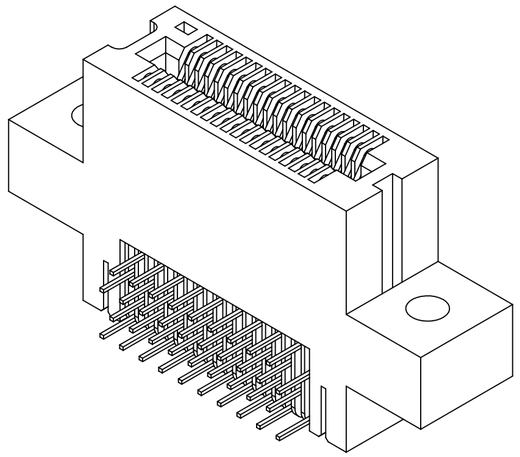
TITLE: EDGECARD, 1MM CC, RA

PART NUMBER: __E__DHA (DHB)_

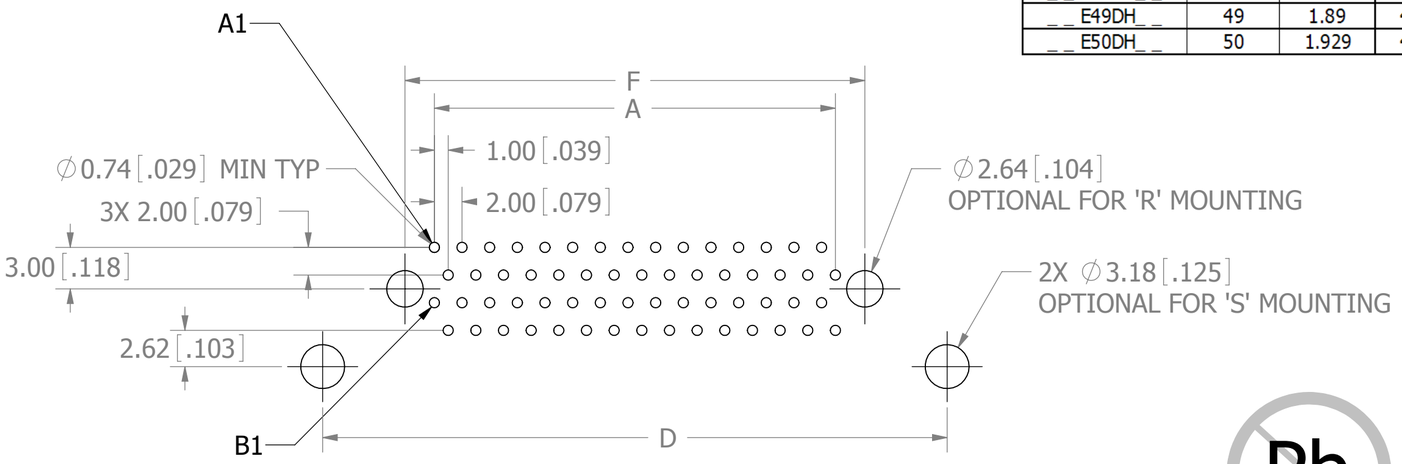
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10093	H

SCALE: 2:1 SHEET 2 OF 3

FILE NAME: C10093, __E__DH_ _, DHA, DHB



PART NUMBER	POS.	A ±0.13[±.005]		B±0.13[±.005]		C±.38[±.015]		D±0.25[±.010]		E±0.51[±.020]		F±0.25[±.010]	
		INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
_ _ E02DH_ _	2	0.039	1.00	0.170	4.32	0.389	9.89	0.675	17.15	0.989	25.13	0.207	5.25
_ _ E03DH_ _	3	0.079	2.00	0.210	5.32	0.429	10.89	0.715	18.15	1.029	26.13	0.246	6.25
_ _ E04DH_ _	4	0.118	3.00	0.249	6.32	0.468	11.89	0.754	19.15	1.068	27.13	0.285	7.25
_ _ E05DH_ _	5	0.157	4.00	0.288	7.32	0.507	12.89	0.793	20.15	1.107	28.13	0.325	8.25
_ _ E06DH_ _	6	0.197	5.00	0.328	8.32	0.547	13.89	0.833	21.15	1.147	29.13	0.364	9.25
_ _ E07DH_ _	7	0.236	6.00	0.367	9.32	0.586	14.89	0.872	22.15	1.186	30.13	0.403	10.25
_ _ E08DH_ _	8	0.276	7.00	0.407	10.32	0.626	15.89	0.912	23.15	1.226	31.13	0.443	11.25
_ _ E09DH_ _	9	0.315	8.00	0.446	11.32	0.665	16.89	0.951	24.15	1.265	32.13	0.482	12.25
_ _ E10DH_ _	10	0.354	9.00	0.485	12.32	0.704	17.89	0.990	25.15	1.304	33.13	0.522	13.25
_ _ E11DH_ _	11	0.394	10.00	0.525	13.32	0.744	18.89	1.030	26.15	1.344	34.13	0.561	14.25
_ _ E12DH_ _	12	0.433	11.00	0.564	14.32	0.783	19.89	1.069	27.15	1.383	35.13	0.600	15.25
_ _ E13DH_ _	13	0.472	12.00	0.603	15.32	0.822	20.89	1.108	28.15	1.422	36.13	0.640	16.25
_ _ E14DH_ _	14	0.512	13.00	0.643	16.32	0.862	21.89	1.148	29.15	1.462	37.13	0.679	17.25
_ _ E15DH_ _	15	0.551	14.00	0.682	17.32	0.901	22.89	1.187	30.15	1.501	38.13	0.718	18.25
_ _ E16DH_ _	16	0.591	15.00	0.722	18.32	0.941	23.89	1.227	31.15	1.541	39.13	0.758	19.25
_ _ E17DH_ _	17	0.630	16.00	0.761	19.32	0.980	24.89	1.266	32.15	1.580	40.13	0.797	20.25
_ _ E18DH_ _	18	0.669	17.00	0.800	20.32	1.019	25.89	1.305	33.15	1.619	41.13	0.837	21.25
_ _ E19DH_ _	19	0.709	18.00	0.840	21.32	1.059	26.89	1.345	34.15	1.659	42.13	0.876	22.25
_ _ E20DH_ _	20	0.748	19.00	0.879	22.32	1.098	27.89	1.384	35.15	1.698	43.13	0.915	23.25
_ _ E21DH_ _	21	0.787	20.00	0.918	23.32	1.137	28.89	1.423	36.15	1.737	44.13	0.955	24.25
_ _ E22DH_ _	22	0.827	21.00	0.958	24.32	1.177	29.89	1.463	37.15	1.777	45.13	0.994	25.25
_ _ E23DH_ _	23	0.866	22.00	0.997	25.32	1.216	30.89	1.502	38.15	1.816	46.13	1.033	26.25
_ _ E24DH_ _	24	0.906	23.00	1.037	26.32	1.256	31.89	1.542	39.15	1.856	47.13	1.073	27.25
_ _ E25DH_ _	25	0.945	24.00	1.076	27.32	1.295	32.89	1.581	40.15	1.895	48.13	1.112	28.25
_ _ E26DH_ _	26	0.984	25.00	1.115	28.32	1.334	33.89	1.620	41.15	1.934	49.13	1.151	29.25
_ _ E27DH_ _	27	1.024	26.00	1.155	29.32	1.374	34.89	1.660	42.15	1.974	50.13	1.191	30.25
_ _ E28DH_ _	28	1.063	27.00	1.194	30.32	1.413	35.89	1.699	43.15	2.013	51.13	1.230	31.25
_ _ E29DH_ _	29	1.102	28.00	1.233	31.32	1.452	36.89	1.738	44.15	2.052	52.13	1.270	32.25
_ _ E30DH_ _	30	1.142	29.00	1.273	32.32	1.492	37.89	1.778	45.15	2.092	53.13	1.309	33.25
_ _ E31DH_ _	31	1.181	30.00	1.312	33.32	1.531	38.89	1.817	46.15	2.131	54.13	1.348	34.25
_ _ E32DH_ _	32	1.220	31.00	1.351	34.32	1.570	39.89	1.856	47.15	2.170	55.13	1.388	35.25
_ _ E33DH_ _	33	1.26	32.00	1.391	35.32	1.610	40.89	1.896	48.15	2.210	56.13	1.427	36.25
_ _ E34DH_ _	34	1.299	33.00	1.430	36.32	1.649	41.89	1.935	49.15	2.249	57.13	1.466	37.25
_ _ E35DH_ _	35	1.339	34.00	1.470	37.32	1.689	42.89	1.975	50.15	2.289	58.13	1.506	38.25
_ _ E36DH_ _	36	1.378	35.00	1.509	38.32	1.728	43.89	2.014	51.15	2.328	59.13	1.545	39.25
_ _ E37DH_ _	37	1.417	36.00	1.548	39.32	1.767	44.89	2.053	52.15	2.367	60.13	1.585	40.25
_ _ E38DH_ _	38	1.457	37.00	1.588	40.32	1.807	45.89	2.093	53.15	2.407	61.13	1.624	41.25
_ _ E39DH_ _	39	1.496	38.00	1.627	41.32	1.846	46.89	2.132	54.15	2.446	62.13	1.663	42.25
_ _ E40DH_ _	40	1.535	39.00	1.666	42.32	1.885	47.89	2.171	55.15	2.485	63.13	1.703	43.25
_ _ E41DH_ _	41	1.575	40.00	1.706	43.32	1.925	48.89	2.211	56.15	2.525	64.13	1.742	44.25
_ _ E42DH_ _	42	1.614	41.00	1.745	44.32	1.964	49.89	2.250	57.15	2.564	65.13	1.781	45.25
_ _ E43DH_ _	43	1.654	42.00	1.785	45.32	2.004	50.89	2.290	58.15	2.604	66.13	1.821	46.25
_ _ E44DH_ _	44	1.693	43.00	1.824	46.32	2.043	51.89	2.329	59.15	2.643	67.13	1.860	47.25
_ _ E45DH_ _	45	1.732	44.00	1.863	47.32	2.082	52.89	2.368	60.15	2.682	68.13	1.900	48.25
_ _ E46DH_ _	46	1.772	45.00	1.903	48.32	2.122	53.89	2.408	61.15	2.722	69.13	1.939	49.25
_ _ E47DH_ _	47	1.811	46.00	1.942	49.32	2.161	54.89	2.447	62.15	2.761	70.13	1.978	50.25
_ _ E48DH_ _	48	1.85	47.00	1.981	50.32	2.200	55.89	2.486	63.15	2.800	71.13	2.018	51.25
_ _ E49DH_ _	49	1.89	48.00	2.021	51.32	2.240	56.89	2.526	64.15	2.840	72.13	2.057	52.25
_ _ E50DH_ _	50	1.929	49.00	2.060	52.32	2.279	57.89	2.565	65.15	2.879	73.13	2.096	53.25



PCB LAYOUT RECOMMEND

Pb

RoHS COMPLIANT

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INTERPRET DIMENSIONS AND TOLERANCING
PER: ASME Y14.5M-2009

DRAWN	DATE	NAME
	11/24/03	JFW

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, 1MM CC, RA

PART NUMBER: _ _ E _ _ DHA (DHB) _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10093	H

SCALE: 3:1 SHEET 3 OF 3

FILE NAME: C10093, _ _E_ _ _DH_ _, DHA, DHB