

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1012	ORIGINAL RELEASE	4/28/06	HT
B	1743	UPDATE DWG FORMAT, TABULATE MATERIAL INCORPORATING "E" & "H" TO CODING CHART	9/12/2008	VJ

PART NUMBER CODING

B **DHN**

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 = FLUSH MOUNTING

N = NO MOUNTING EARS

T = FLUSH MOUNTING, WITH THREADED INSERTS

R = METAL BOARDLOCKS

**NUMBER OF POSITIONS
(CONTACTS PER ROW)**

PLATING

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

CONTACT SURFACE

B = .000010" GOLD

C = .000030" GOLD

TERMINATION

.000100" PURE TIN, MATTE

.000100" PURE TIN, MATTE

NOTES:

1. MATERIALS:

- INSULATOR: SEE PART NUMBER CODING.
- CONTACT: SEE PART NUMBER CODING.
- PLATING: SEE PART NUMBER CODING.

2. THERMAL:

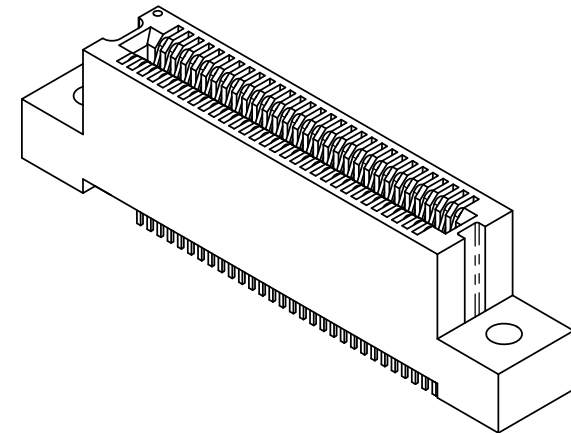
- OPERATING TEMPERATURE: SEE PART NUMBER CODING.
- PROCESSING TEMP: SEE PART NUMBER CODING.
- UL FLAMMABILITY RATING: 94V-0.

3. ELECTRICAL:

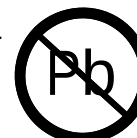
- DIELECTRIC WITHSTANDING VOLTAGE: MATED CONNECTOR MUST EXHIBIT NO EVIDENCE OF BREAKDOWN, FLASHOVER, OR DETERIORATION FROM AN APPLIED VOLTAGE OF 300 VAC (VALUE HAS BEEN DE-RATED), RMS 60 Hz WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION SHALL BE 5 SECS MIN.
- INSULATION RESISTANCE (IR): 5,000 MEGOHMS @ 500 VOLTS±10% WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3003 @ 25°C.
- CONTACT RESISTANCE: 30 MILLIOHM MAX AT RATED CURRENT WHEN TESTED PER MIL-STD-202, METHOD 307 @ 25°C±3°C.
- CURRENT RATING: 1 AMP PER CONTACT.

4. MECHANICAL:

- 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.
- DURABILITY: 500 CYCLES MINIMUM.
- BOARD THICKNESS ACCOMMODATED: .062±.008"
- 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.
- BOARD WITHDRAWAL FORCE: 1 OUNCE MINIMUM PER CONTACT PAIR USING .062" PCB.

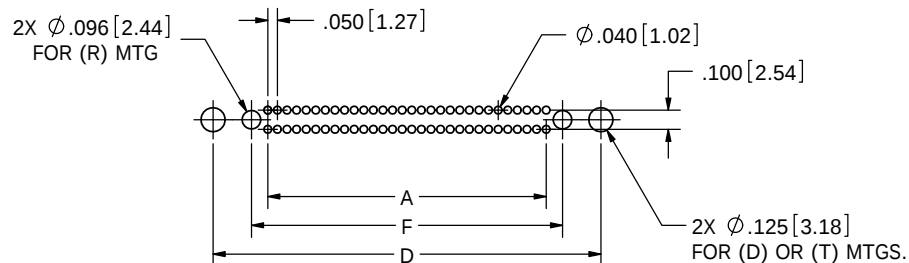
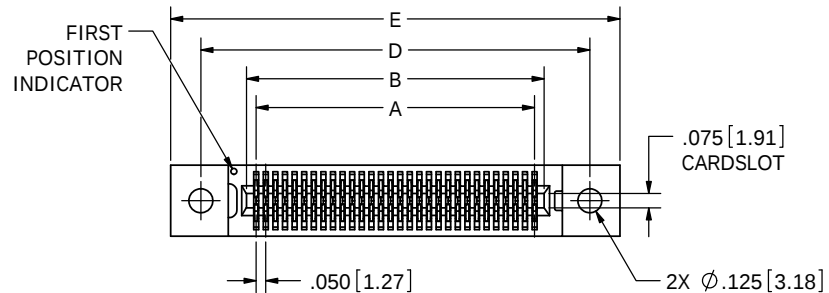


CUSTOMER COPY

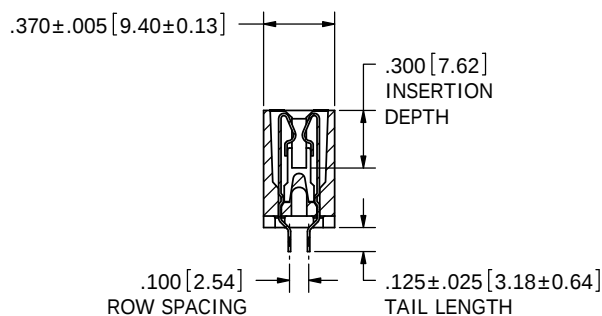
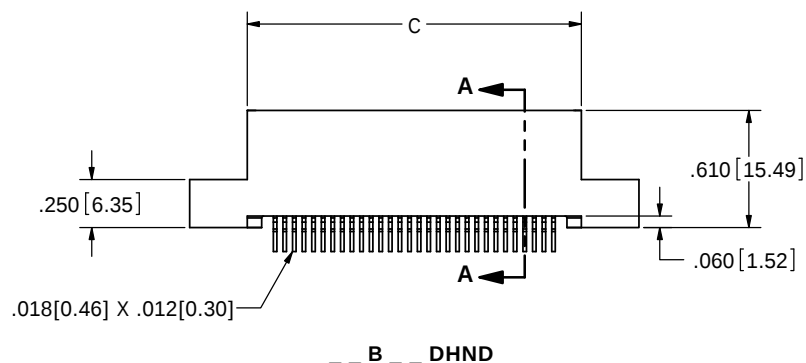


RoHS COMPLIANT

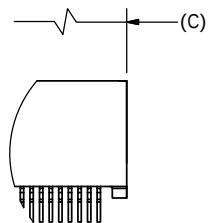
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES[MM] TOLERANCES: ANGULAR: ± 30° .XX±.02 [508] .XXX±.005 [1270] .XXXX±.0005 [0127] SURFACE FINISH: 63 Ra REMOVE ALL BURRS AND SHARP EDGES .010 MAX	DATE 04/28/06	NAME HT		
THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS 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.	DESCRIPTION EDGE CARD, .050 CC, HP			
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994	SIZE C	DWG. NO. C10710	REV B	SCALE: 2:1
		SHEET 1 OF 3		



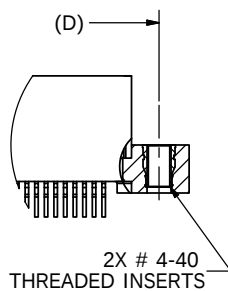
PCB LAYOUT, CONNECTOR SIDE



SECTION A-A

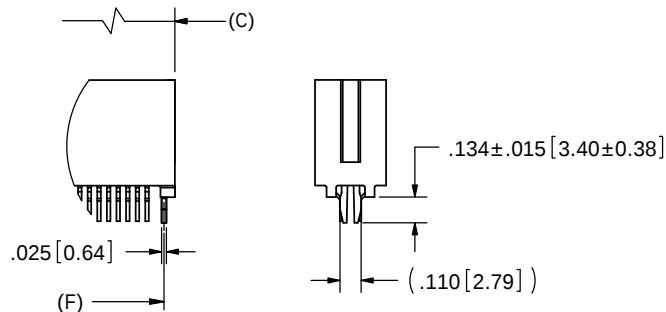


-- B -- DHNN



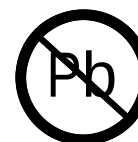
-- B -- DHNT

MOUNTING STYLES



-- B -- DHNR

CUSTOMER COPY



RoHS COMPLIANT

DESCRIPTION EDGE CARD, .050 CC, HP		
PART NUMBER B DHN		
SIZE C	DWG. NO. C10710	REV B
SCALE: 2:1		SHEET 2 OF 3

PART NUMBER		NO OF POS.	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
B05DHN	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	
B06DHN	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	
B07DHN	7	0.300	7.62	0.400	10.16	0.590	14.99	0.876	22.25	1.190	30.23	0.450	11.43	
B08DHN	8	0.350	8.89	0.450	11.43	0.640	16.26	0.926	23.52	1.240	31.5	0.500	12.7	
B09DHN	9	0.400	10.16	0.500	12.7	0.690	17.53	0.976	24.79	1.290	32.77	0.550	13.97	
B10DHN	10	0.450	11.43	0.550	13.97	0.740	18.8	1.026	26.06	1.340	34.04	0.600	15.24	
B11DHN	11	0.500	12.7	0.600	15.24	0.790	20.07	1.076	27.33	1.390	35.31	0.650	16.51	
B12DHN	12	0.550	13.97	0.650	16.51	0.840	21.34	1.126	28.6	1.440	36.58	0.700	17.78	
B13DHN	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	
B14DHN	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	
B15DHN	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	
B16DHN	16	0.750	19.05	0.850	21.59	1.040	26.42	1.376	33.68	1.640	41.66	0.900	22.86	
B17DHN	17	0.800	20.32	0.900	22.86	1.090	27.69	1.376	34.95	1.690	42.93	0.950	24.13	
B18DHN	18	0.850	21.59	0.950	24.13	1.140	28.96	1.426	36.22	1.740	44.2	1.000	25.4	
B19DHN	19	0.900	22.86	1.000	25.4	1.190	30.23	1.476	37.49	1.790	45.47	1.050	26.67	
B20DHN	20	0.950	24.13	1.050	26.67	1.240	31.5	1.526	38.76	1.840	46.74	1.100	27.94	
B21DHN	21	1.000	25.4	1.100	27.94	1.290	32.77	1.576	40.03	1.890	48.01	1.150	29.21	
B22DHN	22	1.050	26.67	1.150	29.21	1.340	34.04	1.626	41.3	1.940	49.28	1.200	30.48	
B23DHN	23	1.100	27.94	1.200	30.48	1.390	35.31	1.676	42.57	1.990	50.55	1.250	31.75	
B24DHN	24	1.150	29.21	1.250	31.75	1.440	36.58	1.726	43.84	2.040	51.82	1.300	33.02	
B25DHN	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	
B26DHN	26	1.250	31.75	1.350	34.29	1.540	39.12	1.826	46.38	2.140	54.36	1.400	35.56	
B27DHN	27	1.300	33.02	1.400	35.56	1.590	40.39	1.876	47.65	2.190	55.63	1.450	36.83	
B28DHN	28	1.350	34.29	1.450	36.83	1.640	41.66	1.926	48.92	2.240	56.9	1.500	38.1	
B29DHN	29	1.400	35.56	1.500	38.1	1.690	42.93	1.976	50.19	2.290	58.17	1.550	39.37	
B30DHN	30	1.450	36.83	1.550	39.37	1.740	44.2	2.026	51.46	2.340	59.44	1.600	40.64	
B31DHN	31	1.500	38.1	1.600	40.64	1.790	45.47	2.076	52.73	2.390	60.71	1.650	41.91	
B32DHN	32	1.550	39.37	1.650	41.91	1.840	46.74	2.126	54	2.440	61.98	1.700	43.18	
B33DHN	33	1.600	40.64	1.700	43.18	1.890	48.01	2.176	55.27	2.490	63.25	1.750	44.45	
B34DHN	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	
B35DHN	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	
B36DHN	36	1.750	44.45	1.850	46.99	2.040	51.82	2.326	59.08	2.640	67.06	1.900	48.26	
B37DHN	37	1.800	45.72	1.900	48.26	2.090	53.09	2.376	60.35	2.690	68.33	1.950	49.53	
B38DHN	38	1.850	46.99	1.950	49.53	2.140	54.36	2.426	61.62	2.740	69.6	2.000	50.8	
B39DHN	39	1.900	48.26	2.000	50.8	2.190	55.63	2.476	62.89	2.790	70.87	2.050	52.07	
B40DHN	40	1.950	49.53	2.050	52.07	2.240	56.9	2.526	64.16	2.840	72.14	2.100	53.34	
B41DHN	41	2.000	50.8	2.100	53.34	2.290	58.17	2.576	65.43	2.890	73.41	2.150	54.61	
B42DHN	42	2.050	52.07	2.150	54.61	2.340	59.44	2.626	66.7	2.940	74.68	2.200	55.88	
B43DHN	43	2.100	53.34	2.200	55.88	2.390	60.71	2.676	67.97	2.990	75.95	2.250	57.15	
B44DHN	44	2.150	54.61	2.250	57.15	2.440	61.98	2.726	69.24	3.040	77.22	2.300	58.42	
B45DHN	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	
B46DHN	46	2.250	57.15	2.350	59.69	2.540	64.52	2.826	71.78	3.140	79.76	2.400	60.96	
B47DHN	47	2.300	58.42	2.400	60.96	2.590	65.79	2.876	73.05	3.190	81.03	2.450	62.23	
B48DHN	48	2.350	59.69	2.450	62.23	2.640	67.06	2.926	74.32	3.240	82.3	2.500	63.5	
B49DHN	49	2.400	60.96	2.500	63.5	2.690	68.33	2.976	75.59	3.290	83.57	2.550	64.77	
B50DHN	50	2.450	62.23	2.550	64.77	2.740	69.6	3.026	76.86	3.340	84.84	2.600	66.04	
B51DHN	51	2.500	63.5	2.600	66.04	2.790	70.87	3.076	78.13	3.390	86.11	2.650	67.31	
B52DHN	52	2.550	64.77	2.650	67.31	2.840	72.14	3.126	79.4	3.440	87.38	2.700	68.58	
B53DHN	53	2.600	66.04	2.700	68.58	2.890	73.41	3.176	80.67	3.490	88.65	2.750	69.85	
B54DHN	54	2.650	67.31	2.750	69.85	2.940	74.68	3.226	81.94	3.540	89.92	2.800	71.12	
B55DHN	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	
B56DHN	56	2.750	69.85	2.850	72.39	3.040	77.22	3.326	84.48	3.640	92.46	2.900	73.66	
B57DHN	57	2.800	71.12	2.900	73.66	3.090	78.49	3.376	85.75	3.690	93.73	2.950	74.93	
B58DHN	58	2.850	72.39	2.950	74.93	3.140	79.76	3.426	87.02	3.740	95	3.000	76.2	
B59DHN	59	2.900	73.66	3.000	76.2	3.190	81.03	3.476	88.29	3.790	96.27	3.050	77.47	
B60DHN	60	2.950	74.93	3.050	77.47	3.240	82.3	3.526	89.56	3.840	97.54	3.100	78.74	
B61DHN	61	3.000	76.2	3.100	78.74	3.290	83.57	3.576	90.83	3.890	98.81	3.150	80.01	
B62DHN	62	3.050	77.47	3.150	80.01	3.340	84.84	3.626	92.1	3.940	100.08	3.200	81.28	
B63DHN	63	3.100	78.74	3.200	81.28	3.390	86.11	3.676	93.37	3.990	101.35	3.250	82.55	
B64DHN	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	
B65DHN	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	

PART NUMBER		NO OF POS.	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
B66DHN	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	
B67DHN	67	3.300	83.82	3.400	86.36	3.590	91.19	3.876	98.45	4.190	106.43	3.450	87.63	
B68DHN	68	3.350	85.09	3.450	87.63	3.640	92.46	3.926	99.72	4.240	107.70	3.500	88.9	
B69DHN	69	3.400	86.36	3.500	88.9	3.690	93.73	3.976	100.99	4.290	108.97	3.550	90.17	
B70DHN	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	
B71DHN	71	3.500	88.9	3.600	91.44	3.790	96.27	4.076	103.53	4.390	111.51	3.650	92.71	
B72DHN	72	3.550	90.17	3.650	92.71	3.840	97.54	4.126	104.80	4.440	112.78	3.700	93.98	
B73DHN	73	3.600	91.44	3.700	93.98	3.890	98.81	4.176	106.07	4.490	114.05	3.750	95.25	
B74DHN	74	3.650	92.71	3.750	95.25	3.940	100.08	4.226	107.34	4.540	115.32	3.800	96.52	
B75DHN	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	
B76DHN	76	3.750	95.25	3.850	97.79	4.040	102.62	4.326	109.88	4.640	117.86	3.900	99.06	
B77DHN	77	3.800	96.52	3.900	99.06	4.090	103.89	4.376	111.15	4.690	119.13	3.950	100.33	
B78DHN	78	3.850	97.79	3.950	100.33	4.140	105.16	4.426	112.42	4.740	120.40	4.000	101.6	
B79DHN	79	3.900	99.06	4.000	101.60	4.190	106.43	4.476	113.69	4.790	121.67	4.050	102.87	
B80DHN	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	
B81DHN	81	4.000	101.60	4.100	104.14	4.290	108.97	4.576	116.23	4.890	124.21	4.150	105.41	
B82DHN	82	4.050	102.87	4.150	105.41	4.340	110.24	4.626	117.50	4.940	125.48	4.200	106.68	
B83DHN	83	4.100	104.14	4.200	106.68	4.390	111.51	4.676	118.77	4.990	126.75	4.250	107.95	
B84DHN	84	4.150	105.41	4.250	107.95	4.440	112.78	4.726	120.04	5.040	128.02	4.300	109.22	
B85DHN	85	4.200	106.68	4.300	109.22	4.490	114.05	4.776	121.31	5.090	129.29	4.350		