

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1012	ORIGINAL RELEASE	04/28/06	HT
B	1743	UPDATE DWG FORMAT TABULATE MATERIAL INCORPORATING "E" & "H" TO CODING CHART	9/12/2008	VJ

PART NUMBER CODING

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)

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

MOUNTING STYLE

D = FLUSH MOUNTING

N = NO MOUNTING EARS

T = FLUSH MOUNTING, WITH THREADED INSERTS

R = METAL BOARDLOCKS

TERMINATION

.000100" PURE TIN, MATTE

.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:

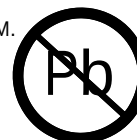
- A. OPERATING TEMPERATURE: SEE PART NUMBER CODING.
- B. PROCESSING TEMP: SEE PART NUMBER CODING.
- C. UL FLAMMABILITY RATING: 94V-0.

3. ELECTRICAL:

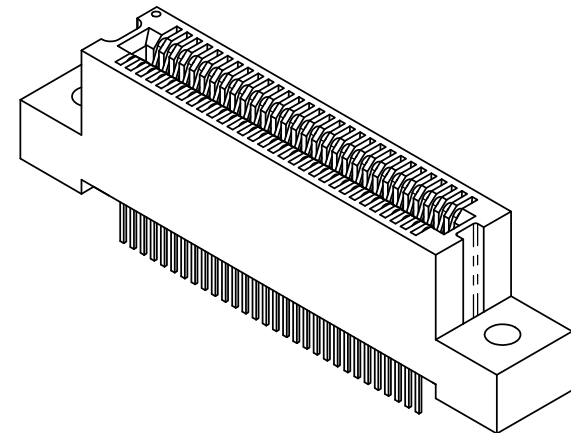
- A. DIELECTRIC WITHSTANDING VOLTAGE: MATED CONNECTOR MUST EXHIBIT NO EVIDENCE OF BREAKDOWN, FLASHOVER, OR DETERIORATION FROM AN APPLIED VOLTAGE OF 300 VAC (VALUE HAS BEEN DE-RATED), RMS 60 HZ WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION SHALL BE 5 SECS MIN.
- B. 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.

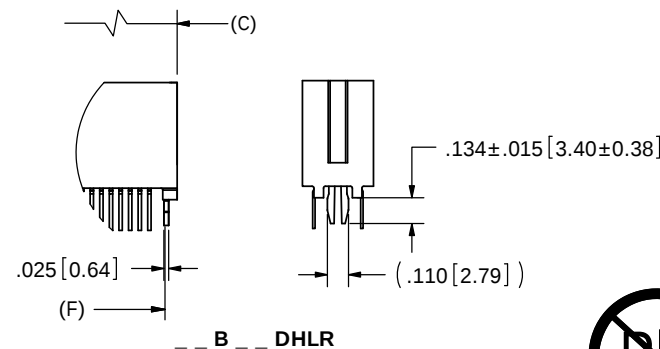
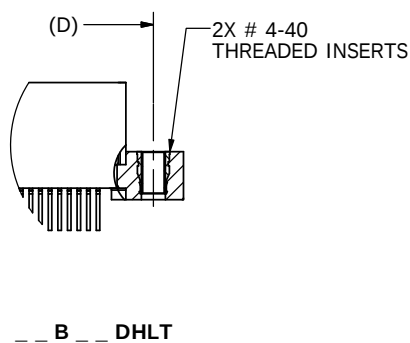
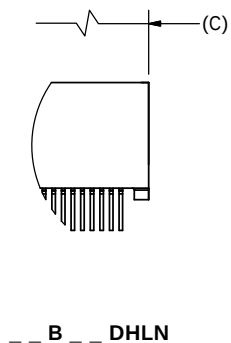
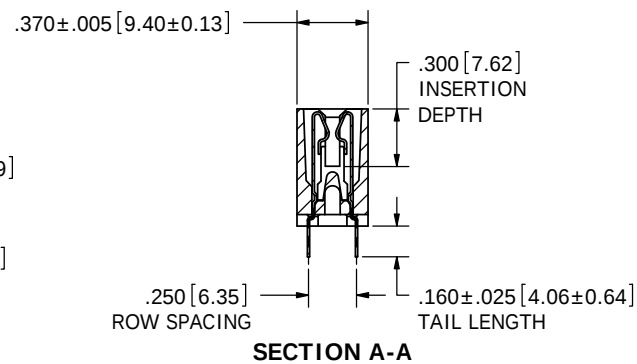
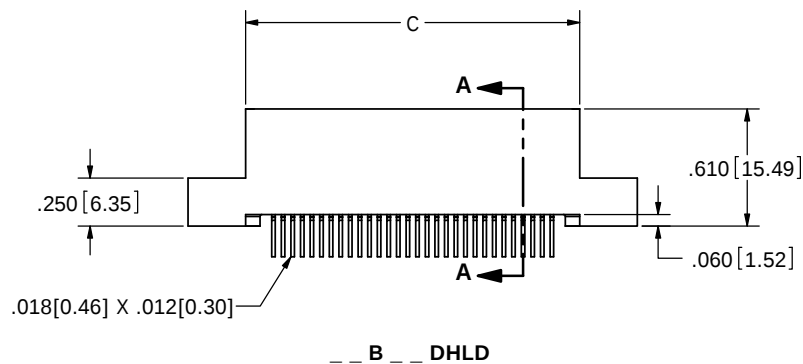
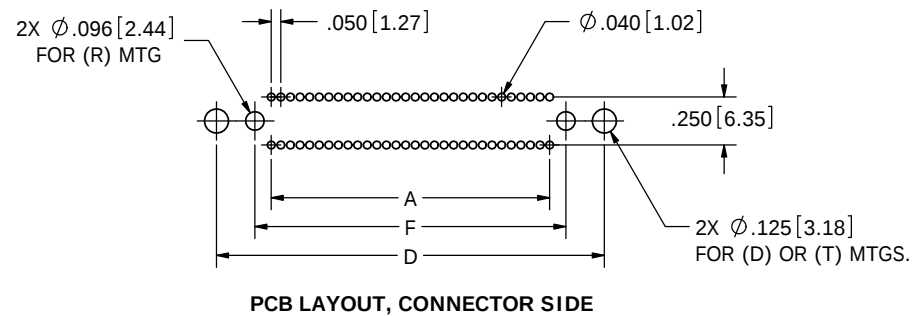
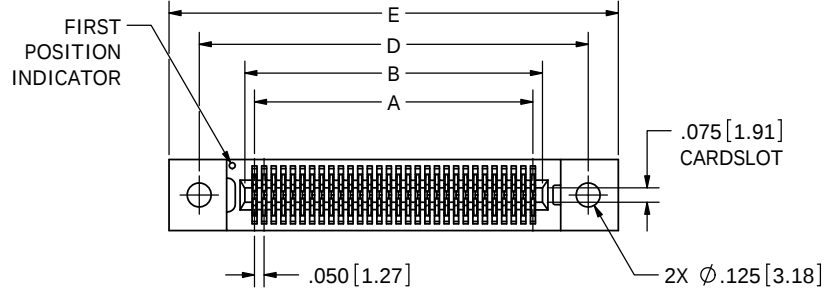


RoHS COMPLIANT



CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES[MM] TOLERANCES: ANGULAR: ± 30° .XX±.02 [508] .XXX±.005 [127] XXXX±.0005 [0127] SURFACE FINISH: 63 Ra REMOVE ALL BURRS AND SHARP EDGES .010 MAX	DATE 04/28/06	NAME HT	 DESCRIPTION EDGE CARD, .050 CC, HP	
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.	PART NUMBER B DHL			
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994	SIZE C	DWG. NO. C10709	REV B	SCALE: 2:1
SHEET 1 OF 3		SHEET 1 OF 3		



MOUNTING STYLES

CUSTOMER COPY



RoHS COMPLIANT

SULLINS CONNECTOR SOLUTIONS			
DESCRIPTION EDGE CARD, .050 CC, HP			
PART NUMBER B DHL			
SIZE C	DWG. NO. C10709	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
		0.200	5.08	0.300	7.62	0.490	12.45	0.776	19.71	1.090	27.69	0.350	8.89
B05DHL	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
B06DHL	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
B07DHL	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
B08DHL	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
B09DHL	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
B10DHL	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
B11DHL	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
B12DHL	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
B13DHL	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
B14DHL	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
B15DHL	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
B16DHL	16	0.750	19.05	0.850	21.59	1.040	26.42	1.326	33.68	1.640	41.66	0.900	22.86
B17DHL	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
B18DHL	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
B19DHL	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
B20DHL	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
B21DHL	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
B22DHL	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
B23DHL	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
B24DHL	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
B25DHL	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
B26DHL	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
B27DHL	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
B28DHL	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
B29DHL	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
B30DHL	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
B31DHL	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
B32DHL	32	1.550	39.37	1.650	41.91	1.840	46.74	2.126	54	2.440	61.98	1.700	43.18
B33DHL	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
B34DHL	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
B35DHL	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
B36DHL	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
B37DHL	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
B38DHL	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
B39DHL	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
B40DHL	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
B41DHL	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
B42DHL	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
B43DHL	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
B44DHL	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
B45DHL	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
B46DHL	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
B47DHL	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
B48DHL	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
B49DHL	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
B50DHL	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
B51DHL	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
B52DHL	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
B53DHL	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
B54DHL	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
B55DHL	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
B56DHL	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
B57DHL	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
B58DHL	58	2.850	72.39	2.950	74.93	3.140	79.76	3.426	87.02	3.740	95	3.000	76.2
B59DHL	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
B60DHL	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
B61DHL	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
B62DHL	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
B63DHL	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
B64DHL	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
B65DHL	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
		3.250	82.55	3.350	85.09	3.540	89.92	3.826	97.18	4.140	105.16	3.400	86.36
B66DHL	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
B67DHL	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
B68DHL	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
B69DHL	69	3.400	86.36	3.500	88.90	3.690	93.73	3.976	100.99	4.290	108.97	3.550	90.17
B70DHL	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
B71DHL	71	3.500	88.90	3.600	91.44	3.790	96.27	4.076	103.53	4.390	111.51	3.650	92.71
B72DHL	72	3.550	90.17	3.650	92.71	3.840	97.54	4.126	104.80	4.440	112.78	3.700	93.95
B73DHL	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
B74DHL	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
B75DHL	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
B76DHL	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
B77DHL	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
B78DHL	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
B79DHL	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
B80DHL	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
B81DHL	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
B82DHL	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
B83DHL	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
B84DHL	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
B85DHL	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
B86DHL	86	4.250	107.95	4.350	110.49	4.540	115.32	4.826	122.58	5.140	130.56	4.400	111.76
B87DHL	87	4.300	109.22	4.400	111.76	4.590	116.59	4.876	123.85	5.190	131.83	4.450	113.03
B88DHL	88	4.350	110.49	4.450	113.03	4.640	117.86	4.926	125.12	5.240	133.10	4.500	114.3
B89DHL	89	4.400	111.76	4.500	114.30	4.690	119.13	4.976	126.39	5.290	134.37	4.550	115.57
B90DHL	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
B91DHL	91	4.500	114.30	4.600	116.84	4.790	121.67	5.076	128.93	5.390	136.91	4.650	118.1
B92DHL	92	4.550	115.57	4.650	118.11	4.840	122.94	5.126	130.20	5.440	138.18	4.700	119.38
B93DHL	93	4.600	116.84	4.700	119.38	4.890	124.21	5.176	131.47	5.490	139.45	4.750	120.65
B94DHL	94	4.650	118.11	4.750	120.65	4.940	125.48	5.226	132.74	5.540	140.72	4.800	121.92
B95DHL	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
B96DHL	96	4.750	120.65	4.850	123.19	5.040	128.02	5.326	135.28	5.640	143.26	4.900	124.46
B97DHL	97	4.800	121.92	4.900	124.46	5.090	129.29	5.376	136.55	5.690	144.53	4.950	125.73
B98DHL	98	4.850	123.19	4.950	125.73	5.140	130.56	5.426	137.82	5.740	145.80	5.000	127
B99DHL	99	4.900	124.46	5.000	127.00	5.190	131.83	5.476	139.09	5.790	147.07	5.050	128.27
B100DHL	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
B101DHL	101	5.000	127.00	5.100	129.54	5.290	134.37	5.576	141.63	5.890	149.61	5.150	130.81
B102DHL	102	5.050	128.27	5.150	130.81	5.340	135.64	5.626	142.90	5.940	150.88	5.200	132.08
B103DHL	103	5.100	129.54	5.200	132.08	5.390	136.91	5.676	144.17	5.990	152.15	5.250	133.35
B104DHL	104	5.150	130.81	5.250	133.35	5.440	138.18	5.726	145.44	6.040	153.42	5.300	134.62
B105DHL	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
B106DHL	106	5.250	133.35	5.350	135.89	5.540	140.72	5.826	147.98	6.140	155.96	5.400	137.16
B107DHL	107	5.300	134.62	5.400	137.16	5.590	141.99	5.876	149.25	6.190	157.23	5.450	138.43
B108DHL	108	5.350	135.89	5.450	138.43	5.640	143.26	5.926	150.52	6.240	158.50	5.500	139.7
B109DHL	109	5.400	137.16	5.500	139.70	5.690	144.53	5.976	151.79	6.290	159.77	5.550	140.97
B110DHL	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
B111DHL	111	5.500	139.70	5.600	142.24	5.790							
B112DHL	112	5.550	140.97	5.650	143.51	5.840							
B113DHL	113	5.600	142.24	5.700	144.78	5.890							
B114DHL	114	5.650	143.51	5.750	146.05	5.940							
B115DHL	115	5.700	144.78	5.800	147.32	5.990							
B116DHL	116	5.750	146.05	5.850	148.59	6.040							
B117DHL	117	5.800	147.32	5.900	149.86	6.090							
B118DHL	118	5.850	148.59	5.950	151.13	6.140							
B119DHL	119	5.900	149.86	6.000	152.40	6.190							
B120DHL	120	5.950	151.13	6.050	153.67	6.240							
N' MOUNTING ONLY													