REVISIONS PART NUMBER CODING REV. ECO. NO DESCRIPTION DATE BY B _ _ DHR _ CLARIFY TERMINATION TOLERANCE, TABULATED MATERIAL CALL-OUT & ADDED ALL POSITIONS В 1479 8/23/2007 ۷J ADD 'B' MOUNTING, CONTACT GAP, PCB LAYOUT, UPDATE DIM 'F' FOR 'Q' MTG, STANDOFF ON 'D' & 'T' MTG, BODY WIDTH TOL. & NOTE FORMAT MATERIALS (INSULATOR / CONTACT) MOUNTING STYLE C 2720 1/10/2013 JH/KV R = PPS/PHOSPHOR BRONZED = .250" EARS FLUSH MOUNTING (PAGE 1) OPERATING TEMP: -65°C TO +125°C N = NO MOUNTING EARS (PAGE 2) PROCESSING TEMP: 260°C FOR 120 SECS MAX T = FLUSH MOUNTING WITH, #4-40 THREADED INSERT (PAGE 2) G = PA 9T / PHOSPHOR BRONZEQ = STRADDLE MOUNT (PAGE 2) OPERATING TEMP: -65°C TO +125°C B = OPEN CARD SLOT (PAGE 2) PROCESSING TEMP: 260°C FOR 20 SECS MAX A = PPS/BERYLLIUM COPPER NUMBER OF POSITIONS OPERATING TEMP: -65°C TO +150°C (CONTACTS PER ROW) PROCESSING TEMP: 260°C FOR 20 SECS MAX J = PA 9T/BERYLLIUM COPPER PLATING OPERATING TEMP: -65°C TO +150°C ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE PROCESSING TEMP: 260°C FOR 20 SECS MAX CONTACT SURFACE **TERMINATION** (CONSULT FACTORY FOR OTHER MATERIALS) .000100" PURE TIN, MATTE .000010" GOLD .000030" GOLD .000100" PURE TIN, MATTE **FIRST POSITION** INDICATOR $.370^{+.005}_{-.015} \left[9.40^{+0.13}_{-0.38} \right]$ 2X Ø.125[3.18] .075 [1.91] SEE NOTE 13 (.030[0.76]) .300 [7.62] **INSERTION** DEPTH .610 [15.49] .100±.025 [2.54±0.64] **CONTACT POINT** .250[6.35] .160±.025 [4.06±0.64] .060 [1.52] → (.050 1.27 TYP) TAIL LENGTH ACCEPTS .062[1.57] PCB _B_ _DHRD **NOTES: SECTION A-A** INSULATOR MATERIAL: SEE PART NUMBER CODING. CONTACT MATERIAL: SEE PART NUMBER CODING. PLATING: .SEE PART NUMBER CODING. OPERATING TEMPERATURE: SEE PART NUMBER CODING. PROCESSING TEMP: SEE PART NUMBER CODING. **CUSTOMER COPY UL FLAMMABILITY RATING: 94V-0** OPERATING VOLTAGE: 300 VAC MINIMUM AT SEA LEVEL **CURRENT RATING: 1 AMP PER CONTACT** DRAWN DATE NAME UNLESS OTHERWISE SPECIFIED: **SULLINS** CONTACT RESISTANCE: 30 MILLI OHMS MAX DIMENSIONS ARE IN INCHES [MM] 1/11/2013 JH 10. INSULATION RESISTANCE: 5000 MEGA OHMS THE INFORMATION HEREIN CONTAINS **TOLERANCES:** PROPIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT 11. DURABILITY: 500 CYCLES MIN EDGECARD, .050 CC, HP TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY ANGULAR: ± 1° 12. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE PART NUMBER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS 13. BOARD THICKNESS ACCOMMODATED: .062 ± .008[1.57 ± 0.20] DECIMALS В DHR .XX=± .02 [.5] .XXX=± .005 [.13] 14. INSERTION FORCE: 6 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE CAGE CODE | DWG. NO. REV

15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB

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 $.XXXX = \pm .0005[.013]$

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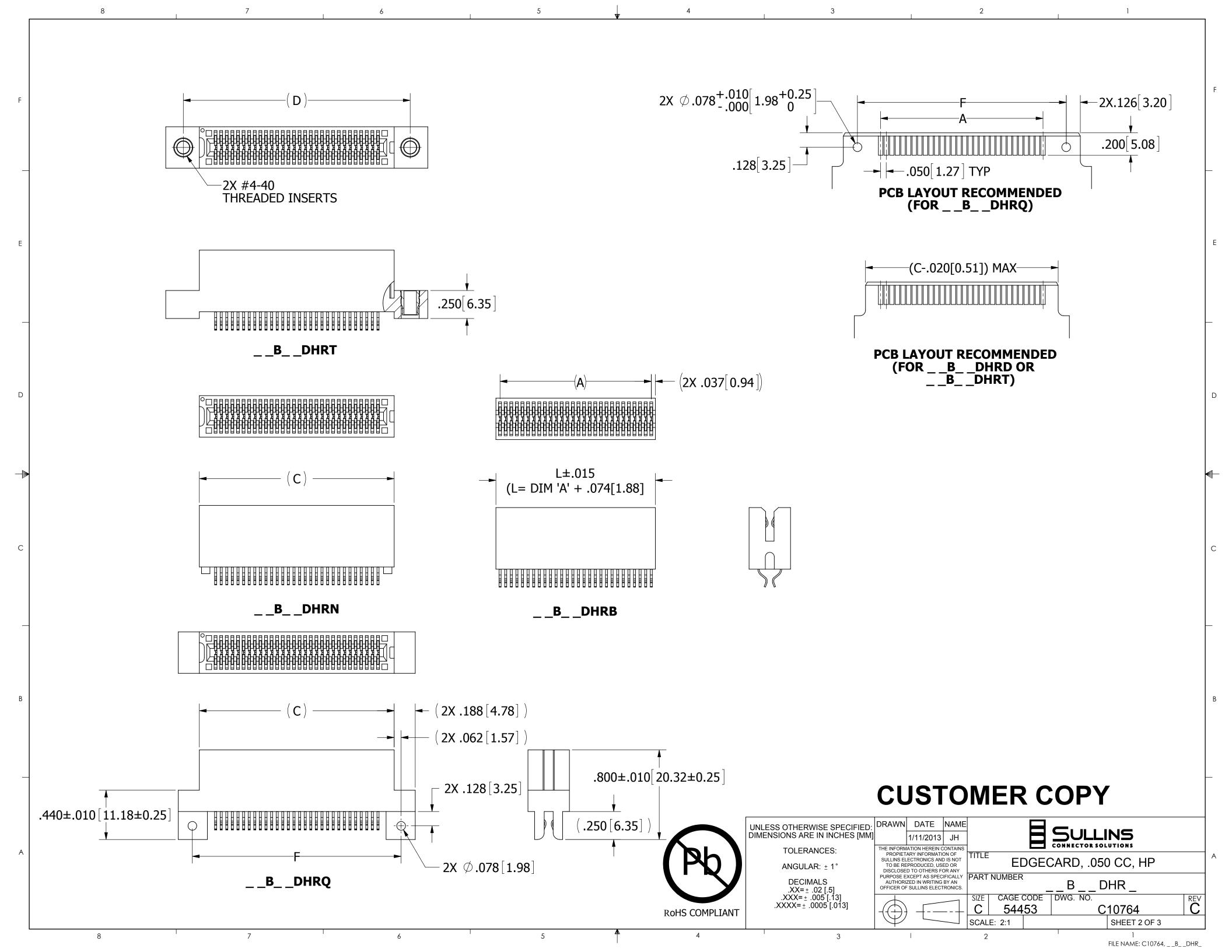
RoHS COMPLIANT

C10764

SHEET 1 OF 3

54453

SCALE: 3:1



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										
B05DHR	5	0.200	5.08	0.300	7.62	0.490	12.45	0.776	19.71	1.090	27.69	0.614	15.60
B06DHR	6	0.250	6.35	0.350	8.89	0.540	13.72	0.826	20.98	1.140	28.96	0.664	16.87
B07DHR	7	0.300	7.62	0.400	10.16	0.590	14.99	0.876	22.25	1.190	30.23	0.714	18.14
B08DHR_	8	0.350	8.89	0.450	11.43	0.640	16.26	0.926	23.52	1.240	31.50	0.764	19.41
B09DHR_	9	0.400	10.16	0.500	12.70	0.690	17.53	0.976	24.79	1.290	32.77	0.814	20.68
B10DHR_	10	0.450	11.43	0.550	13.97	0.740	18.80	1.026	26.06	1.340	34.04	0.864	21.95
B11DHR_	11	0.500	12.70	0.600	15.24	0.790	20.07	1.076	27.33	1.390	35.31	0.914	23.22
B12DHR_	12	0.550	13.97	0.650	16.51	0.840	21.34	1.126	28.60	1.440	36.58	0.964	24.49
B13DHR_	13 14	0.600	15.24	0.700	17.78 19.05	0.890 0.940	22.61	1.176	29.87	1.490	37.85	1.014 1.064	25.76
B14DHR_	15	0.650 0.700	16.51 17.78	0.750 0.800	20.32	0.990	23.88 25.15	1.226 1.276	31.14 32.41	1.540	39.12 40.39		27.03 28.30
B15DHR_	16				21.59					1.590		1.114	29.57
B16DHR_ B17DHR	17	0.750 0.800	19.05 20.32	0.850	22.86	1.040	26.42 27.69	1.326 1.376	33.68 34.95	1.640	41.66 42.93	1.164	30.84
B18DHR	18	0.850	21.59	0.900 0.950	24.13	1.090 1.140	28.96	1.426	36.22	1.690 1.740	44.20	1.214 1.264	32.11
	19	0.900		1.000							45.47		33.38
B19DHR_ B20DHR	20	0.950	22.86 24.13	1.050	25.40 26.67	1.190 1.240	30.23 31.50	1.476 1.526	37.49 38.76	1.790 1.840	46.74	1.314 1.364	34.65
								 	 				
B21DHR_ B22DHR	21 22	1.000	25.40 26.67	1.100	27.94 29.21	1.290 1.340	32.77 34.04	1.576 1.626	40.03 41.30	1.890 1.940	48.01 49.28	1.414	35.92 37.19
B23DHR_	23	1.100	27.94	1.150 1.200	30.48	1.340	35.31	1.626	42.57	1.940	50.55	1.464 1.514	38.46
B24DHR	24	1.150	29.21	1.250	31.75	1.440	36.58	1.726	43.84	2.040	51.82	1.564	39.73
B25DHR	25	1.200	30.48	1.300	33.02	1.490	37.85	1.776	45.11	2.040	53.09	1.614	41.00
B26DHR	26	1.250	31.75	1.350	34.29	1.540	39.12	1.826	46.38	2.090	54.36	1.664	42.27
B27DHR	27	1.300	33.02	1.400	35.56	1.590	40.39	1.876	47.65	2.190	55.63	1.714	43.54
B28DHR	28	1.350	34.29	1.450	36.83	1.640	41.66	1.926	48.92	2.240	56.90	1.764	44.81
B29DHR	29	1.400	35.56	1.500	38.10	1.690	42.93	1.976	50.19	2.290	58.17	1.814	46.08
B30DHR	30	1.450	36.83	1.550	39.37	1.740	44.20	2.026	51.46	2.340	59.44	1.864	47.35
B31DHR	31	1.500	38.10	1.600	40.64	1.790	45.47	2.076	52.73	2.390	60.71	1.914	48.62
B32DHR	32	1.550	39.37	1.650	41.91	1.840	46.74	2.126	54.00	2.440	61.98	1.964	49.89
B33DHR	33	1.600	40.64	1.700	43.18	1.890	48.01	2.176	55.27	2.490	63.25	2.014	51.16
B34DHR	34	1.650	41.91	1.750	44.45	1.940	49.28	2.226	56.54	2.540	64.52	2.064	52.43
B35DHR	35	1.700	43.18	1.800	45.72	1.990	50.55	2.276	57.81	2.590	65.79	2.114	53.70
B36DHR	36	1.750	44.45	1.850	46.99	2.040	51.82	2.326	59.08	2.640	67.06	2.164	54.97
B37DHR	37	1.800	45.72	1.900	48.26	2.090	53.09	2.376	60.35	2.690	68.33	2.214	56.24
B38DHR	38	1.850	46.99	1.950	49.53	2.140	54.36	2.426	61.62	2.740	69.60	2.264	57.51
B39DHR	39	1.900	48.26	2.000	50.80	2.190	55.63	2.476	62.89	2.790	70.87	2.314	58.78
B40DHR	40	1.950	49.53	2.050	52.07	2.240	56.90	2.526	64.16	2.840	72.14	2.364	60.05
B41DHR	41	2.000	50.80	2.100	53.34	2.290	58.17	2.576	65.43	2.890	73.41	2.414	61.32
B42DHR	42	2.050	52.07	2.150	54.61	2.340	59.44	2.626	66.70	2.940	74.68	2.464	62.59
B43DHR	43	2.100	53.34	2.200	55.88	2.390	60.71	2.676	67.97	2.990	75.95	2.514	63.86
B44DHR	44	2.150	54.61	2.250	57.15	2.440	61.98	2.726	69.24	3.040	77.22	2.564	65.13
B45DHR	45	2.200	55.88	2.300	58.42	2.490	63.25	2.776	70.51	3.090	78.49	2.614	66.40
B46DHR_	46	2.250	57.15	2.350	59.69	2.540	64.52	2.826	71.78	3.140	79.76	2.664	67.67
B47DHR_	47	2.300	58.42	2.400	60.96	2.590	65.79	2.876	73.05	3.190	81.03	2.714	68.94
B48DHR_	48	2.350	59.69	2.450	62.23	2.640	67.06	2.926	74.32	3.240	82.30	2.764	70.21
B49DHR_	49	2.400	60.96	2.500	63.50	2.690	68.33	2.976	75.59	3.290	83.57	2.814	71.48
B50DHR_	50	2.450	62.23	2.550	64.77	2.740	69.60	3.026	76.86	3.340	84.84	2.864	72.75
B51DHR_	51	2.500	63.50	2.600	66.04	2.790	70.87	3.076	78.13	3.390	86.11	2.914	74.02
B52DHR_	52	2.550	64.77	2.650	67.31	2.840	72.14	3.126	79.40	3.440	87.38	2.964	75.29
B53DHR_	53	2.600	66.04	2.700	68.58	2.890	73.41	3.176	80.67	3.490	88.65	3.014	76.56
B54DHR_	54	2.650	67.31	2.750	69.85	2.940	74.68	3.226	81.94	3.540	89.92	3.064	77.83
B55DHR_	55	2.700	68.58	2.800	71.12	2.990	75.95	3.276	83.21	3.590	91.19	3.114	79.10
B56DHR_	56	2.750	69.85	2.850	72.39	3.040	77.22	3.326	84.48	3.640	92.46	3.164	80.37
B57DHR	57	2.800	71.12	2.900	73.66	3.090	78.49	3.376	85.75	3.690	93.73	3.214	81.64
B58DHR_	58	2.850	72.39	2.950	74.93	3.140	79.76	3.426	87.02	3.740	95.00	3.264	82.91
B59DHR_	59	2.900	73.66	3.000	76.20	3.190	81.03	3.476	88.29	3.790	96.27	3.314	84.18
B60DHR_	60	2.950	74.93	3.050	77.47	3.240	82.30	3.526	89.56	3.840	97.54	3.364	85.45
B61DHR_	61	3.000	76.20	3.100	78.74	3.290	83.57	3.576	90.83	3.890	98.81	3.414	86.72
B62DHR_	62	3.050	77.47	3.150	80.01	3.340	84.84	3.626	92.10	3.940	100.08	3.464	87.99
B63DHR_	63	3.100	78.74	3.200	81.28	3.390	86.11	3.676	93.37	3.990	101.35	3.514	89.26
B64DHR_	64	3.150	80.01	3.250	82.55	3.440	87.38	3.726	94.64	4.040	102.62	3.564	90.53
B65DHR_	65	3.200	81.28	3.300	83.82	3.490	88.65	3.776	95.91	4.090	103.89	3.614	91.80

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NA DT NEIMOED		A±.005[0.13]		B±.005[0.13]		C±.015[0.38]		D±.010[0.25]		E±.020[0.51]		F±.010[0.25]		
PART NUMBER	NO OF POS.	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	
B66 DHR_	66	3.250	82.55	3.350	85.09	3.540	89.92	3.826	97.18	4.140	105.16	3.664	93.0	
B67DHR_	67	3.300	83.82	3.400	86.36	3.590	91.19	3.876	98.45	4.190	106.43	3.714	94.3	
B68DHR_	68	3.350	85.09	3.450	87.63	3.640	92.46	3.926	99.72	4.240	107.70	3.764	95.6	
B69 DHR	69	3.400	86.36	3.500	88.90	3.690	93.73	3.976	100.99	4.290	108.97	3.814	96.8	
B70 DHR	70	3.450	87.63	3.550	90.17	3.740	95.00	4.026	102.26	4.340	110.24	3.864	98.1	
B71DHR	71	3.500	88.90	3.600	91.44	3.790	96.27	4.076	103.53	4.390	111.51	3.914	99.4	
B72 DHR	72	3.550	90.17	3.650	92.71	3.840	97.54	4.126	104.80	4.440	112.78	3.964	100.	
B73 DHR_	73	3.600	91.44	3.700	93.98	3.890	98.81	4.176	106.07	4.490	114.05	4.014	101.	
B74DHR	74	3.650	92.71	3.750	95.25	3.940	100.08	4.226	107.34	4.540	115.32	4.064	103.	
B75 DHR	75	3.700	93.98	3.800	96.52	3.990	101.35	4.276	108.61	4.590	116.59	4.114	104.	
B76 DHR	76	3.750	95.25	3.850	97.79	4.040	102.62	4.326	109.88	4.640	117.86	4.164	105.	
B77DHR	77	3.800	96.52	3.900	99.06	4.090	103.89	4.376	111.15	4.690	119.13	4.214	107.	
B78DHR	78	3.850	97.79	3.950	100.33	4.140	105.16	4.426	112.42	4.740	120.40	4.264	108.	
B79 DHR	79	3.900	99.06	4.000	101.60	4.190	106.43	4.476	113.69	4.790	121.67	4.314	109.	
B80 DHR	80	3.950	100.33	4.050	102.87	4.240	107.70	4.526	114.96	4.840	122.94	4.364	110.	
B81DHR	81	4.000	101.60	4.100	104.14	4.290	108.97	4.576	116.23	4.890	124.21	4.414	112.	
B82DHR_	82	4.050	102.87	4.150	105.41	4.340	110.24	4.626	117.50	4.940	125.48	4.464	113.	
B83DHR_	83	4.100	104.14	4.200	106.68	4.390	111.51	4.676	117.30	4.990	126.75	4.514	114.	
B84DHR_	84	4.150	105.41	4.250	107.95	4.440	112.78	4.726	120.04	5.040	128.02	4.564	115.	
B85DHR	85	4.200	106.68	4.300	107.93	4.490	114.05	4.776	121.31	5.090	129.29	4.614	117.	
B86DHR_	86	4.250	100.08	4.350	110.49	4.540	115.32	4.826	122.58	5.140	130.56	4.664	118.	
B87DHR	87	4.300	109.22	4.400	111.76	4.590	116.59	4.876	123.85	5.190	131.83	4.714	119.	
B88DHR	88	4.350	110.49	4.450	113.03	4.640	117.86	4.926	125.12	5.240	133.10	4.764	121.	
B89DHR	89	4.400	111.76	4.500	114.30	4.690	119.13	4.976	126.39	5.290	134.37	4.814	122.	
B90 DHR	90	4.450	113.03	4.550	115.57	4.740	120.40	5.026	127.66	5.340	135.64	4.864	123.	
B91DHR	91	4.500	114.30	4.600	116.84	4.790	121.67	5.076	128.93	5.390	136.91	4.914	124.	
B92DHR	92	4.550	115.57	4.650	118.11	4.840	122.94	5.126	130.20	5.440	138.18	4.964	126.	
B93 DHR	93	4.600	116.84	4.700	119.38	4.890	124.21	5.176	131.47	5.490	139.45	5.014	127.	
B94DHR	94	4.650	118.11	4.750	120.65	4.940	125.48	5.226	132.74	5.540	140.72	5.064	128.	
B95DHR_	95	4.700	119.38	4.800	121.92	4.990	126.75	5.276	134.01	5.590	141.99	5.114	129.	
B96DHR_	96	4.750	120.65	4.850	123.19	5.040	128.02	5.326	135.28	5.640	143.26	5.164	131.	
B97DHR	97	4.800	121.92	4.900	124.46	5.090	129.29	5.376	136.55	5.690	144.53	5.214	132.	
B98DHR	98	4.850	123.19	4.950	125.73	5.140	130.56	5.426	137.82	5.740	145.80	5.264	133.	
B99 DHR	99	4.900	124.46	5.000	127.00	5.190	131.83	5.476	139.09	5.790	147.07	5.314	134.	
B100DHR	100	4.950	125.73	5.050	128.27	5.240	133.10	5.526	140.36	5.840	148.34	5.364	136.	
B101DHR	101	5.000	127.00	5.100	129.54	5.290	134.37	5.576	141.63	5.890	149.61	5.414	137.	
B102DHR	102	5.050	128.27	5.150	130.81	5.340	135.64	5.626	142.90	5.940	150.88	5.464	138.	
B103DHR	103	5.100	129.54	5.200	132.08	5.390	136.91	5.676	144.17	5.990	152.15	5.514	140.	
B104DHR	104	5.150	130.81	5.250	133.35	5.440	138.18	5.726	145.44	6.040	153.42	5.564	141.	
B105DHR	105	5.200	132.08	5.300	134.62	5.490	139.45	5.776	146.71	6.090	154.69	5.614	142.	
B106DHR	106	5.250	133.35	5.350	135.89	5.540	140.72	5.826	147.98	6.140	155.96	5.664	143.	
B107DHR	107	5.300	134.62	5.400	137.16	5.590	141.99	5.876	149.25	6.190	157.23	5.714	145.	
B108DHR	108	5.350	135.89	5.450	138.43	5.640	143.26	5.926	150.52	6.240	158.50	5.764	146.	
B109DHR	109	5.400	137.16	5.500	139.70	5.690	144.53	5.976	151.79	6.290	159.77	5.814	147.	
B110DHR	110	5.450	138.43	5.550	140.97	5.740	145.80	6.026	153.06	6.340	161.04	5.864	148.	
B111DHR	111	5.500	139.70	5.600	142.24	5.790	147.07							
B112DHR	112	5.550	140.97	5.650	143.51	5.840	148.34							
B113DHR	113	5.600	142.24	5.700	144.78	5.890	149.61							
B114DHR	114	5.650	143.51	5.750	146.05	5.940	150.88							
B115DHR_	115	5.700	144.78	5.800	147.32	5.990	152.15	'N' MOUNTING ONLY						
B116DHR	116	5.750	146.05	5.850	148.59	6.040	153.42							
B117DHR_	117	5.800	147.32	5.900	149.86	6.090	154.69							
B118DHR	118	5.850	148.59	5.950	151.13	6.140	155.96							
B119DHR	119	5.900	149.86	6.000	152.40	6.190	157.23							

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TOLERANCES: ANGULAR: ± 1° DECIMALS .XX=± .02 [.5] .XXX=± .005 [.13] .XXXX=± .0005 [.013]

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UNLESS OTHERWISE SPECIFIED: DRAWN DATE NAME DIMENSIONS ARE IN INCHES [MM] 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.

EDGECARD, .050 CC, HP SIZE | CAGE CODE | DWG. NO.

54453 C10764 SCALE: 4:1 SHEET 3 OF 3

FILE NAME: C10764, _ _B__DHR_

REV