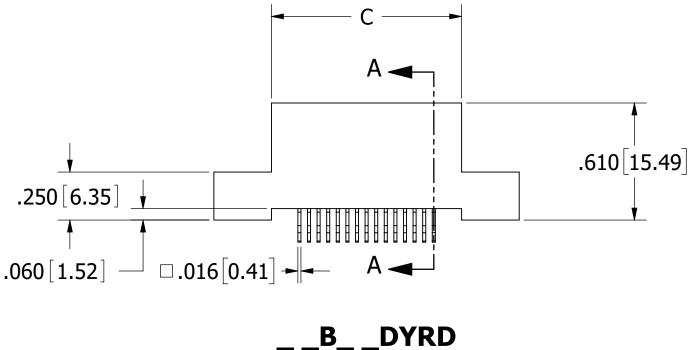


SECTION A-A



5

NOTES:

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

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

(AVAILABLE IN 'M' PLATING ONLY)

- OPERATING TEMPERATURE: SEE PART NUMBER CODING
- PROCESSING TEMP: SEE PART NUMBER CODING
- UL FLAMMABILITY RATING: 94V-0
- OPERATING VOLTAGE: 300 VAC
- **CURRENT RATING: 1 AMP PER CONTACT**
- 9. CONTACT RESISTANCE: 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: 6 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
- 15. WITHDRAWAL FORCE: 1/2 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB

CUSTOMER COPY



	UNLESS OTHE DIMENSIONS A
	TOLE
	ANGU
Y	DEC .XX=
	.XXX=
IPLIANT	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

UNLESS OTHERWISE SPECIFIED:	DRAWN	DATE	NAMI							
DIMENSIONS ARE IN INCHES [MM]		01/06/10	TT							
TOLERANCES:	PROPRIET	ATION HEREIN C FARY INFORMAT	ION OF							
ANGULAR: ± 1°	SULLINS ELECTRONICS AND IS NO TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR AN									
DECIMALS .XX=± .02 [.5] .XXX=± .005 [.13]	PURPOSE E AUTHORI	XCEPT AS SPEC ZED IN WRITING SULLINS ELECT	IFICALLY BY AN							
.XXX=± .005 [.13] .XXXX=± .0005 [.013]		1	$\overline{1}$							

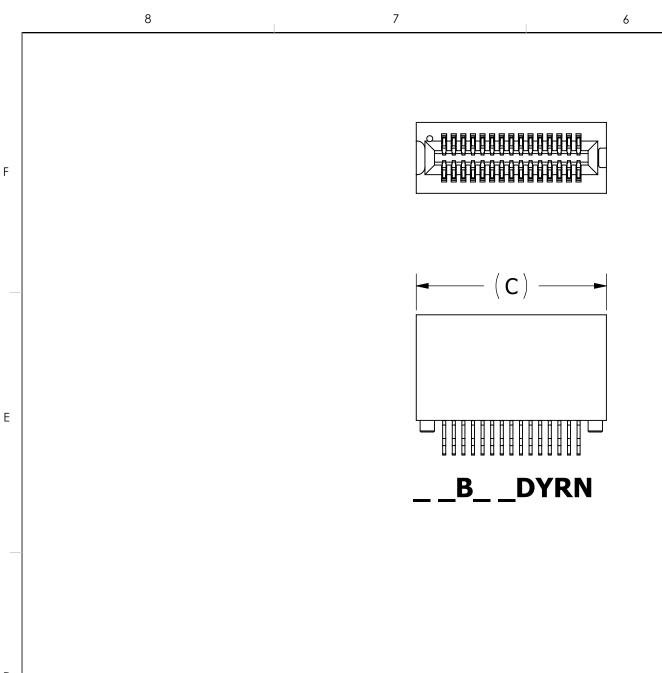
PART NUMBER

2

ESULLINS EDGECARD, .050" CC, HP

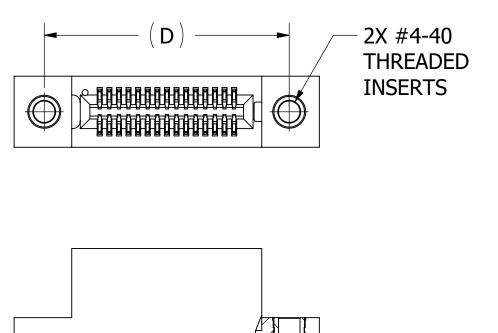
B DYR CAGE CODE DWG. NO. 54453 C11421 SCALE: 2:1 SHEET 1 OF 3

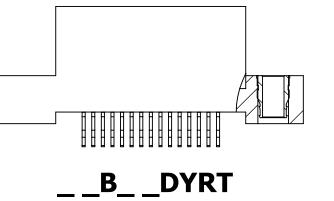
REV **E**



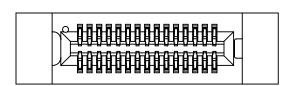
2X \emptyset .078 $^{+.010}_{-.000}$ [1.98 $^{+0.25}_{0}$]

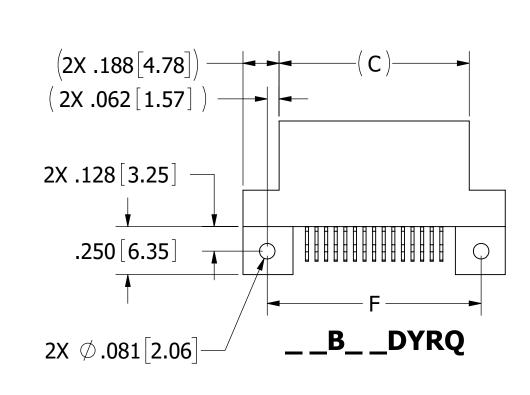
.128 3.25

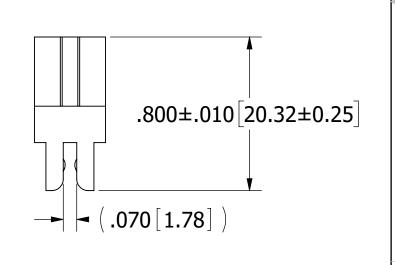


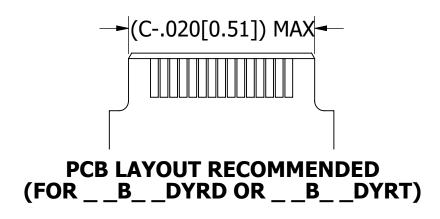


3









→ |**-**.050[1.27]

PCB LAYOUT RECOMMENDED (FOR _ _B_ _DYRQ)

−2X.126[3.20]

.230[5.84]

CUSTOMER COPY



	UNLESS OTHERWISE SPECIFIED:	DRAWN	DATE	NAME		—	
	DIMENSIONS ARE IN INCHES [MM]		01/06/10	TT		SULLINS	
	TOLERANCES:		ATION HEREIN C FARY INFORMAT		TITLE	CONNECTOR SOLUTIONS	
	ANGULAR: ± 1°	SULLINS EL TO BE RE	ECTRONICS AND PRODUCED, US D TO OTHERS FO	D IS NOT ED OR		ARD, .050" CC, HP	
	DECIMALS .XX= <u>+</u> .02 [.5]	AUTHORI	XCEPT AS SPEC ZED IN WRITING SULLINS ELECT	BY AN	PART NUMBER	BDYR_	
	.XXX=± .005 [.13] .XXXX=± .0005 [.013]			$\overline{1}$	SIZE CAGE CODE C 54453	DWG. NO. C11421	REV F
NT					SCALE: 2:1	SHEET 2 OF	3
		1			<u> </u>		

	NO OF	A±.005[0.13] B±.005[0.13]		[0 13]	C±.015[0.38] D			D±.010[0.25]		E±.020[0.51]		F±.010[0.25]		NOOE	A ± 00E	A±.005[0.13]		:[0 12]	C±.015[0.38]		D±.010[0.25]		ET 030	[0 E1]	E± 01/	0[0.2E]	
PART NUMBER	POS.	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	PART NUMBER NO OF POS.				B±.005[0.13] IN MM						0.25] E±.020[0 MM IN		[0.51] F±.010[MM IN	
B05DYR	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	B63DYR	63	3.100	78.74	3.200	81.28	3.390	86.11	3.676	93.37	3.990	101.35	3.514	MM 89.26
B06DYR	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	B64DYR	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
B07DYR_	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	B65DYR	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
B08DYR	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	B66DYR_	66	3.250	82.55	3.350	85.09	3.540	89.92	3.826	97.18	4.140	105.16	3.664	93.07
B09DYR_	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	B67DYR_	67	3.300	83.82	3.400	86.36	3.590	91.19	3.876	98.45	4.190	106.43	3.714	94.34
B10DYR_	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	B68DYR_	68	3.350	85.09	3.450	87.63	3.640	92.46	3.926	99.72	4.240	107.70	3.764	95.61
B11DYR_	11	0.500	12.7	0.600	15.24	0.790	20.07	1.076	27.33	1.390	35.31	0.914	23.22	B69DYR_	69	3.400	86.36	3.500	88.90	3.690	93.73	3.976	100.99	4.290	108.97	3.814	96.88
B12DYR_	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	B70DYR_	70	3.450	87.63	3.550	90.17	3.740	95.00	4.026	102.26	4.340	110.24	3.864	98.15
B13DYR_	13	0.600	15.24	0.700	17.78	0.890	22.61	1.176	29.87	1.490	37.85	1.014	25.76	B71DYR_	71	3.500	88.90	3.600	91.44	3.790	96.27	4.076	103.53	4.390	111.51	3.914	99.42
B14DYR_	14	0.650	16.51	0.750	19.05	0.940	23.88	1.226	31.14	1.540	39.12	1.064	27.03	B72DYR	72	3.550	90.17	3.650	92.71	3.840	97.54	4.126	104.80	4.440	112.78	3.964	100.69
B15DYR_	15	0.700	17.78	0.800	20.32	0.990	25.15	1.276	32.41	1.590	40.39	1.114	28.30	B73DYR	73	3.600	91.44	3.700	93.98	3.890	98.81	4.176	106.07	4.490	114.05	4.014	101.96
B16DYR_	17	0.750	19.05	0.850	21.59	1.040	26.42	1.326	33.68	1.640	41.66	1.164	29.57	B74DYR_	74	3.650	92.71	3.750	95.25	3.940	100.08	4.226	107.34	4.540	115.32	4.064	103.23
B17DYR_ B18DYR	1.0	0.800 0.850	20.32 21.59	0.900 0.950	22.86 24.13	1.090 1.140	27.69 28.96	1.376 1.426	34.95 36.22	1.690 1.740	42.93 44.20	1.214 1.264	30.84 32.11	B75DYR_	75 76	3.700 3.750	93.98 95.25	3.800 3.850	96.52 97.79	3.990 4.040	101.35 102.62	4.276 4.326	108.61 109.88	4.590 4.640	116.59 117.86	4.114 4.164	104.50 105.77
B19DYR_	19	0.900	22.86	1.000	25.40	1.190	30.23	1.476	37.49	1.790	45.47	1.314	33.38	B76DYR_ B77DYR	76 77	3.800	96.52	3.900	99.06	4.090	102.82	4.376	111.15	4.690	119.13	4.214	107.04
B20DYR_	20	0.950	24.13	1.050	26.67	1.240	31.50	1.526	38.76	1.840	46.74	1.364	34.65	B78DYR	78	3.850	97.79	3.950	100.33	4.140	105.16	4.426	112.42	4.740	120.40	4.264	108.31
B21DYR_	21	1.000	25.4	1.100	27.94	1.290	32.77	1.576	40.03	1.890	48.01	1.414	35.92	B79DYR_	79	3.900	99.06	4.000	101.60	4.190	106.43	4.476	113.69	4.790	121.67	4.314	109.58
B22DYR	22	1.050	26.67	1.150	29.21	1.340	34.04	1.626	41.30	1.940	49.28	1.464	37.19	B80DYR_	80	3.950	100.33	4.050	102.87	4.240	107.70	4.526	114.96	4.840	122.94	4.364	110.85
B23DYR_	23	1.100	27.94	1.200	30.48	1.390	35.31	1.676	42.57	1.990	50.55	1.514	38.46	B81DYR_	81	4.000	101.60	4.100	104.14	4.290	108.97	4.576	116.23	4.890	124.21	4.414	112.12
B24DYR_	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	B82DYR_	82	4.050	102.87	4.150	105.41	4.340	110.24	4.626	117.50	4.940	125.48	4.464	113.39
B25DYR_	25	1.200	30.48	1.300	33.02	1.490	37.85	1.776	45.11	2.090	53.09	1.614	41.00	B83DYR_	83	4.100	104.14	4.200	106.68	4.390	111.51	4.676	118.77	4.990	126.75	4.514	114.66
B26DYR_	26	1.250	31.75	1.350	34.29	1.540	39.12	1.826	46.38	2.140	54.36	1.664	42.27	B84DYR_	84	4.150	105.41	4.250	107.95	4.440	112.78	4.726	120.04	5.040	128.02	4.564	115.93
B27DYR_	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	B85DYR_	85	4.200	106.68	4.300	109.22	4.490	114.05	4.776	121.31	5.090	129.29	4.614	117.20
B28DYR_	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	B86DYR_	86	4.250	107.95	4.350	110.49	4.540	115.32	4.826	122.58	5.140	130.56	4.664	118.47
B29DYR_	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	B87DYR	87	4.300	109.22	4.400	111.76	4.590	116.59	4.876	123.85	5.190	131.83	4.714	119.74
B30DYR_ B31DYR	30	1.450	36.83	1.550 1.600	39.37 40.64	1.740 1.790	44.20	2.026 2.076	51.46 52.73	2.340 2.390	59.44 60.71	1.864	47.35 48.62	B88DYR_	88	4.350	110.49	4.450	113.03	4.640	117.86	4.926	125.12	5.240	133.10	4.764	121.01
B32DYR_	22	1.500 1.550	38.1 39.37	1.650	41.91	1.790	45.47 46.74	2.126	54.00	2.390	61.98	1.914 1.964	49.89	B89DYR_ B90DYR	89 90	4.400 4.450	111.76 113.03	4.500 4.550	114.30 115.57	4.690 4.740	119.13 120.40	4.976 5.026	126.39 127.66	5.290 5.340	134.37 135.64	4.814 4.864	122.28 123.55
B33DYR_	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	B91DYR	91	4.500	114.30	4.600	116.84	4.790	121.67	5.076	128.93	5.390	136.91	4.914	124.82
B34DYR	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	B92DYR_	92	4.550	115.57	4.650	118.11	4.840	122.94	5.126	130.20	5.440	138.18	4.964	126.09
B35DYR	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	B93DYR	93	4.600	116.84	4.700	119.38	4.890	124.21	5.176	131.47	5.490	139.45	5.014	127.36
B36DYR_	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	B94DYR_	94	4.650	118.11	4.750	120.65	4.940	125.48	5.226	132.74	5.540	140.72	5.064	128.63
B37DYR_	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	B95DYR_	95	4.700	119.38	4.800	121.92	4.990	126.75	5.276	134.01	5.590	141.99	5.114	129.90
B38DYR_	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	B96DYR_	96	4.750	120.65	4.850	123.19	5.040	128.02	5.326	135.28	5.640	143.26	5.164	131.17
B39DYR_	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	B97DYR_	97	4.800	121.92	4.900	124.46	5.090	129.29	5.376	136.55	5.690	144.53	5.214	132.44
B40DYR	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	B98DYR_	98	4.850	123.19	4.950	125.73	5.140	130.56	5.426	137.82	5.740	145.80	5.264	133.71
B41DYR_	41	2.000	50.8	2.100	53.34	2.290	58.17	2.576	65.43	2.890	73.41	2.414	61.32	B99DYR	99	4.900	124.46	5.000	127.00	5.190	131.83	5.476	139.09	5.790	147.07	5.314	134.98
B42DYR_	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	B100DYR	100	4.950	125.73	5.050	128.27	5.240	133.10	5.526	140.36	5.840	148.34	5.364	136.25
B43DYR_ B44DYR	43	2.100 2.150	53.34 54.61	2.200 2.250	55.88 57.15	2.390 2.440	60.71 61.98	2.676 2.726	67.97 69.24	2.990 3.040	75.95 77.22	2.514 2.564	63.86 65.13	B101DYR_ B102DYR_	101	5.000	127.00	5.100 5.150	129.54	5.290	134.37	5.576	141.63	5.890	149.61	5.414 5.464	137.52
B45DYR_	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	B102DYR_	102 103	5.050 5.100	128.27 129.54	5.150 5.200	130.81 132.08	5.340 5.390	135.64 136.91	5.626 5.676	142.90 144.17	5.940 5.990	150.88 152.15	5.514	138.79 140.06
B46DYR_	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	B104DYR_	103	5.150	130.81	5.250	133.35	5.440	138.18	5.726	145.44	6.040	153.42	5.564	141.33
B47DYR_	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	B105DYR_	105	5.200	132.08	5.300	134.62	5.490	139.45	5.776	146.71	6.090	154.69	5.614	142.60
B48DYR_	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	B106DYR_	106	5.250	133.35	5.350	135.89	5.540	140.72	5.826	147.98	6.140	155.96	5.664	143.87
B49DYR_	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	B107DYR_	107	5.300	134.62	5.400	137.16	5.590	141.99	5.876	149.25	6.190	157.23	5.714	145.14
B50DYR_	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	B108DYR_	108	5.350	135.89	5.450	138.43	5.640	143.26	5.926	150.52	6.240	158.50	5.764	146.41
B51DYR_	51	2.500	63.5	2.600	66.04	2.790	70.87	3.076	78.13	3.390	86.11	2.914	74.02	B109DYR_	109	5.400	137.16	5.500	139.70	5.690	144.53	5.976	151.79	6.290	159.77	5.814	147.68
B52DYR_	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	B110DYR_	110	5.450	138.43	5.550	140.97	5.740	145.80	6.026	153.06	6.340	161.04	5.864	148.95
B53DYR	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	B111DYR_	111	5.500	139.70	5.600	142.24	5.790	147.07				-	5.914	150.22
B54DYR_	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	B112DYR_	112	5.550	140.97	5.650	143.51	5.840	148.34					5.964	151.49
B55DYR B56DYR_	55 56	2.700 2.750	68.58 69.85	2.800 2.850	71.12 72.39	2.990 3.040	75.95 77.22	3.276 3.326	83.21 84.48	3.590 3.640	91.19 92.46	3.114 3.164	79.10 80.37	B113DYR_ B114DYR_	113 114	5.600 5.650	142.24 143.51	5.700 5.750	144.78 146.05	5.890 5.940	149.61 150.88				-	6.014	152.76 154.03
B57DYR_	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	B114D1K_ B115DYR_	115	5.700	144.78	5.800	147.32	5.990	152.15				-	6.114	155.30
B58DYR_	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	B116DYR_	116	5.750	146.05	5.850	148.59	6.040	153.42	N	N OR R MOUN	TING ONLY		6.164	156.57
B59DYR_	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	B117DYR_	117	5.800	147.32	5.900	149.86	6.090	154.69					6.214	157.84
B60DYR_	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	B118DYR_	118	5.850	148.59	5.950	151.13	6.140	155.96					6.264	159.11
B61DYR_	61	3.000	76.2	3.100	78.74	3.290	83.57	3.576	90.83	3.890	98.81	3.414	86.72	B119DYR_	119	5.900	149.86	6.000	152.40	6.190	157.23					6.314	160.38
B62DYR_	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	B120DYR_	120	5.950	151.13	6.050	153.67	6.240	158.50					6.364	161.65
.																											

CUSTOMER COPY



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6

UNLESS OTHERWISE SPECIFIED: DRAWN DATE NAME DIMENSIONS ARE IN INCHES [MM] TOLERANCES: ANGULAR: ± 1° DECIMALS .XX=± .02 [.5] .XXX=± .005 [.13] .XXXX=± .0005 [.013]

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

54453 C11421 SCALE: 2:1 SHEET 3 OF 3 REV E