PART NUMBER CODING

_ _ B _ _ DYH _-S_ _ _

MATERIAL (INSULATOR/CONTACT)

R = BLACK, PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

G = BLACK, PA9T/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

A = BLACK, PPS/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

J = BLACK, PA9T/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

F = BLACK, PPS/SPINODAL
OPERATING TEMP: -65°C TO +200°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
(AVAILABLE IN 'M' PLATING ONLY)

NUMBER OF POSITIONS
(CONTACTS PER ROW)

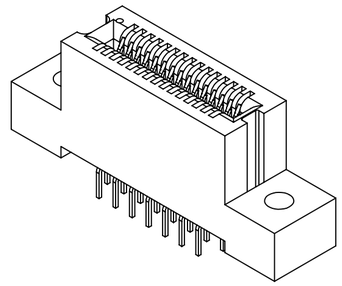
MOUNTING STYLE
D = FLUSH MOUNTING (PAGE 1)
N = NO MOUNTING EARS (PAGE 2)
T = FLUSH MOUNTING, WITH THREADED INSERTS (PAGE 2)
R = METAL BOARD LOCKS (PAGE 2)
B = OPEN CARD SLOT

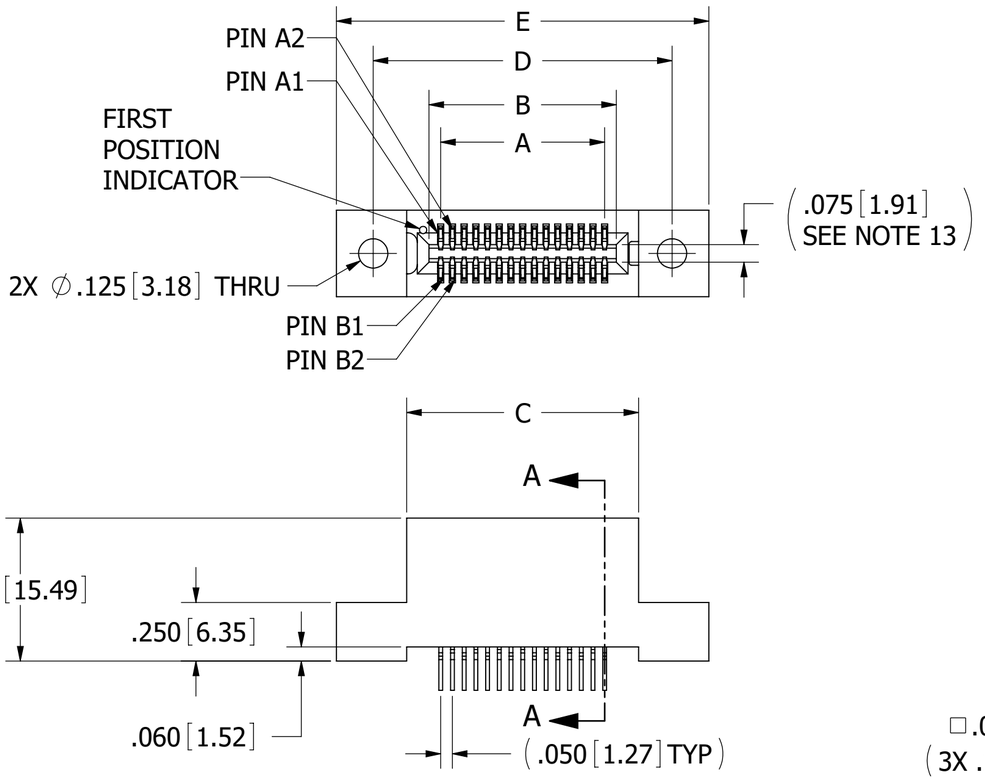
PLATING
ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

	CONTACT SURFACE	TERMINATION
B =	.000010" GOLD	.000100" PURE TIN, MATTE
C =	.000030" GOLD	.000100" PURE TIN, MATTE
N =	.000050" GOLD	.000100" PURE TIN, MATTE
M =	.000030" GOLD	.000010" GOLD OVERALL

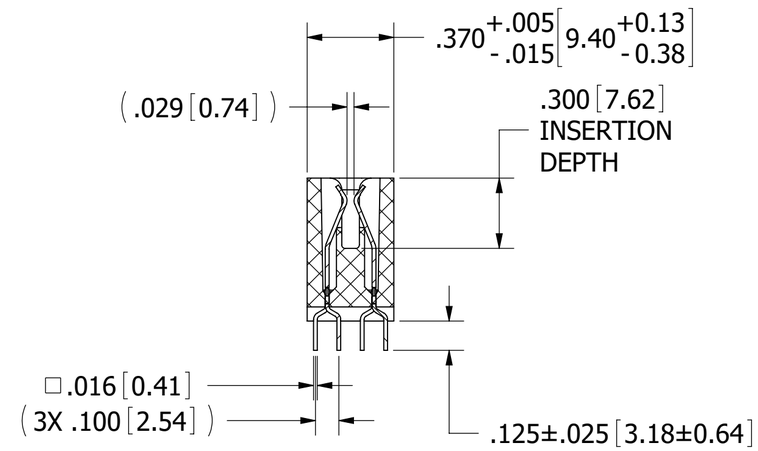
MODIFICATION
OMIT FOR STANDARD, EX: 'RBB15DHHD'
S# FOR MOLDED KEY
(SEE DRAWING C13556 FOR S#, 'G', & 'H' DIMENSIONS

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
C	2847	ADD 'J' MATERIAL CODE OPTION	5/29/2014	JHSU
D	4213	ADD 'N' PLATING	5/15/2020	JH
E	4402	UPDATED DIMENSION TABLE TO INCLUDE ALL POSITIONS; ADD MOLDED KEY OPTION; ADD "B" MOUNTING OPTION; UPDATE BOM TABLES	7/22/2021	NBY, PL





_ _B_ _DYHD



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: SEE PART NUMBER CODING
6. UL FLAMMABILITY RATING: 94V-0
7. OPERATING VOLTAGE: 300 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 1 AMP PER CONTACT
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHM
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 MINIMUM PER CONTACT PAIR USING .062[1.57] TEST BLADE
16. MODIFICATION: SEE PART NUMBER CODING

CUSTOMER COPY

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	06/18/10	TT

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SULLINS CONNECTOR SOLUTIONS

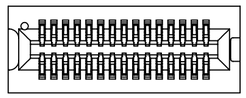
TITLE: EDGECARD, .050" CC, CANTILEVER

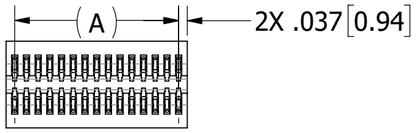
PART NUMBER: _ _B_ _DYH_-S_ _ _

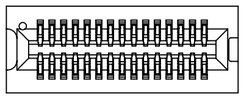
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11419	E

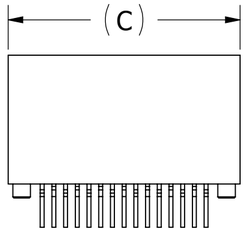
SCALE: 2:1 SHEET 1 OF 3

FILE NAME: C11419, _ _B_ _DYH_-S_ _ _ STAGGER BEND STD ASSY

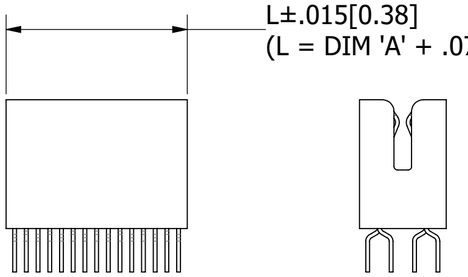




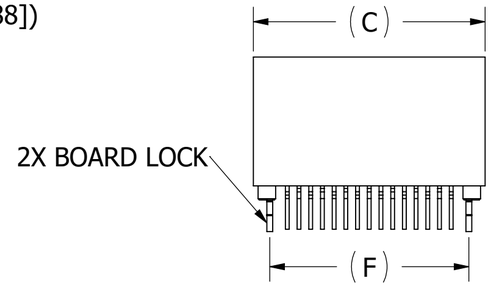




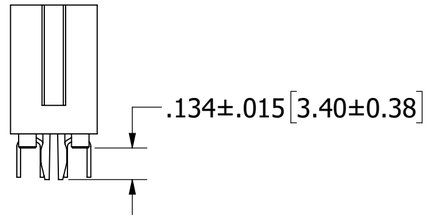
_ _B_ _DYHN

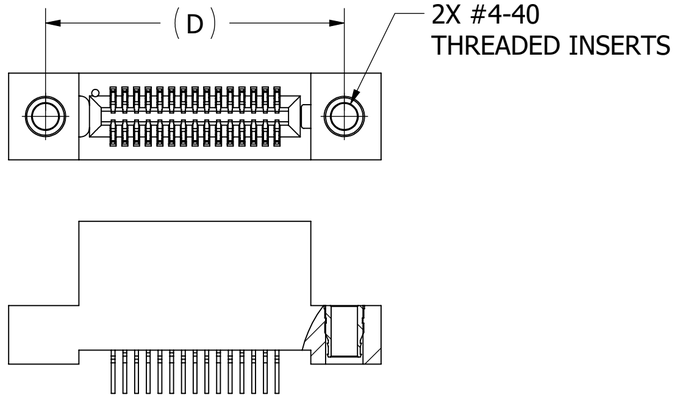


_ _B_ _DYHB

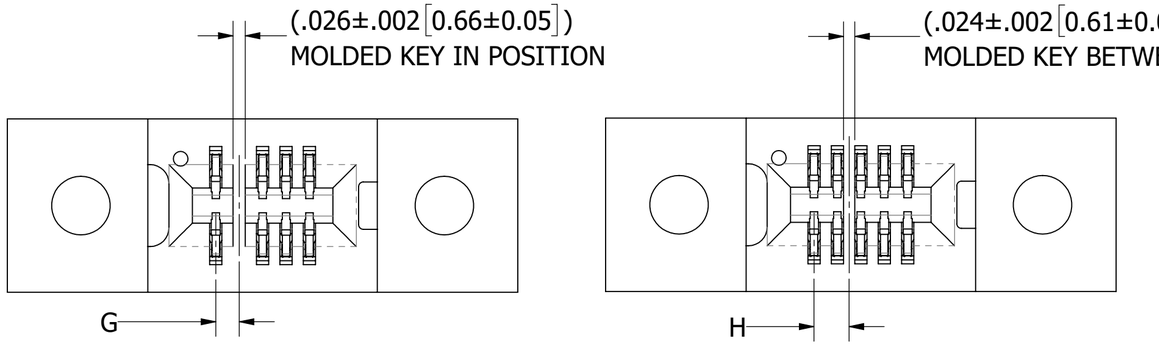


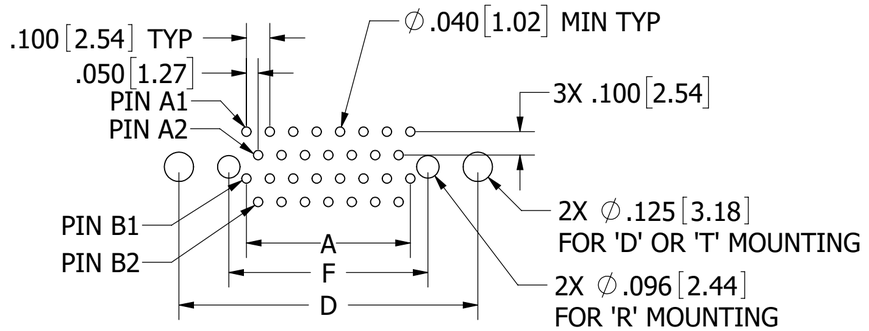
_ _B_ _DYHR





_ _B_ _DYHT





RECOMMENDED PCB LAYOUT

S# MODIFICATION
('D' MOUNT AS SHOWN FOR EXAMPLE, SCALE 4:1)

RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	06/18/10	TT

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .050" CC, CANTILEVER

PART NUMBER: _ _B_ _DYH_-S_ _ _

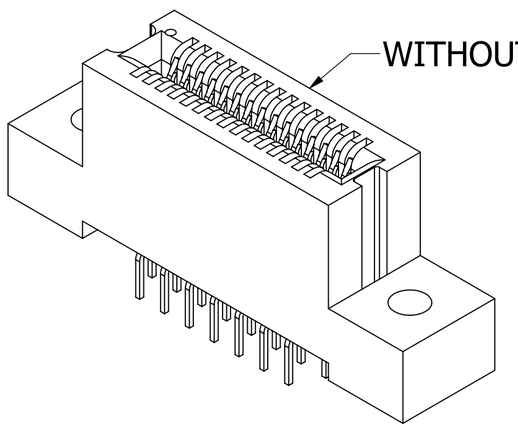
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11419	E

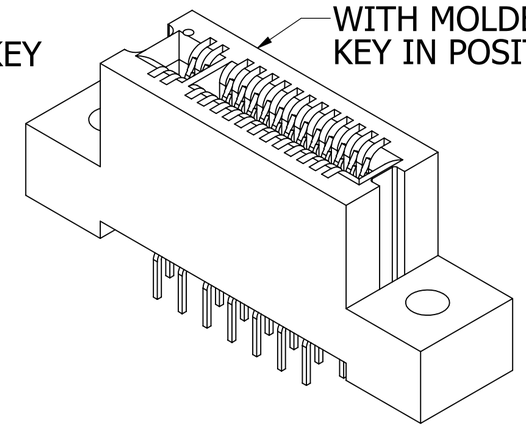
SCALE: 2:1 SHEET 2 OF 3

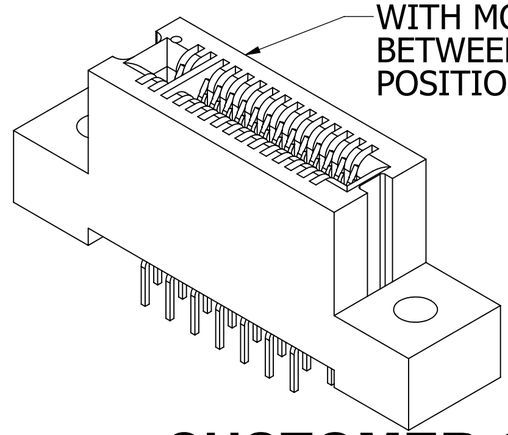
FILE NAME: C11419, _ _B_ _DYH_-S_ _ _ STAGGER BEND STD ASSY

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
__B05DYH_	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
__B06DYH_	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
__B07DYH_	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
__B08DYH_	8	0.350	8.89	0.450	11.43	0.640	16.26	0.926	23.52	1.240	31.50	0.500	12.70
__B09DYH_	9	0.400	10.16	0.500	12.70	0.690	17.53	0.976	24.79	1.290	32.77	0.550	13.97
__B10DYH_	10	0.450	11.43	0.550	13.97	0.740	18.80	1.026	26.06	1.340	34.04	0.600	15.24
__B11DYH_	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
__B12DYH_	12	0.550	13.97	0.650	16.51	0.840	21.34	1.126	28.60	1.440	36.58	0.700	17.78
__B13DYH_	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
__B14DYH_	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
__B15DYH_	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
__B16DYH_	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
__B17DYH_	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
__B18DYH_	18	0.850	21.59	0.950	24.13	1.140	28.96	1.426	36.22	1.740	44.20	1.000	25.40
__B19DYH_	19	0.900	22.86	1.000	25.40	1.190	30.23	1.476	37.49	1.790	45.47	1.050	26.67
__B20DYH_	20	0.950	24.13	1.050	26.67	1.240	31.50	1.526	38.76	1.840	46.74	1.100	27.94
__B21DYH_	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
__B22DYH_	22	1.050	26.67	1.150	29.21	1.340	34.04	1.626	41.30	1.940	49.28	1.200	30.48
__B23DYH_	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
__B24DYH_	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
__B25DYH_	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
__B26DYH_	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
__B27DYH_	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
__B28DYH_	28	1.350	34.29	1.450	36.83	1.640	41.66	1.926	48.92	2.240	56.90	1.500	38.10
__B29DYH_	29	1.400	35.56	1.500	38.10	1.690	42.93	1.976	50.19	2.290	58.17	1.550	39.37
__B30DYH_	30	1.450	36.83	1.550	39.37	1.740	44.20	2.026	51.46	2.340	59.44	1.600	40.64
__B31DYH_	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
__B32DYH_	32	1.550	39.37	1.650	41.91	1.840	46.74	2.126	54.00	2.440	61.98	1.700	43.18
__B33DYH_	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
__B34DYH_	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
__B35DYH_	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
__B36DYH_	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
__B37DYH_	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
__B38DYH_	38	1.850	46.99	1.950	49.53	2.140	54.36	2.426	61.62	2.740	69.60	2.000	50.80
__B39DYH_	39	1.900	48.26	2.000	50.80	2.190	55.63	2.476	62.89	2.790	70.87	2.050	52.07
__B40DYH_	40	1.950	49.53	2.050	52.07	2.240	56.90	2.526	64.16	2.840	72.14	2.100	53.34
__B41DYH_	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
__B42DYH_	42	2.050	52.07	2.150	54.61	2.340	59.44	2.626	66.70	2.940	74.68	2.200	55.88
__B43DYH_	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
__B44DYH_	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
__B45DYH_	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
__B46DYH_	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
__B47DYH_	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
__B48DYH_	48	2.350	59.69	2.450	62.23	2.640	67.06	2.926	74.32	3.240	82.30	2.500	63.50
__B49DYH_	49	2.400	60.96	2.500	63.50	2.690	68.33	2.976	75.59	3.290	83.57	2.550	64.77
__B50DYH_	50	2.450	62.23	2.550	64.77	2.740	69.60	3.026	76.86	3.340	84.84	2.600	66.04
__B51DYH_	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
__B52DYH_	52	2.550	64.77	2.650	67.31	2.840	72.14	3.126	79.40	3.440	87.38	2.700	68.58
__B53DYH_	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
__B54DYH_	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
__B55DYH_	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
__B56DYH_	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
__B57DYH_	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
__B58DYH_	58	2.850	72.39	2.950	74.93	3.140	79.76	3.426	87.02	3.740	95.00	3.000	76.20
__B59DYH_	59	2.900	73.66	3.000	76.20	3.190	81.03	3.476	88.29	3.790	96.27	3.050	77.47
__B60DYH_	60	2.950	74.93	3.050	77.47	3.240	82.30	3.526	89.56	3.840	97.54	3.100	78.74
__B61DYH_	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
__B62DYH_	62	3.050	77.47	3.150	80.01	3.340	84.84	3.626	92.10	3.940	100.08	3.200	81.28

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
__B63DYH_	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
__B64DYH_	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
__B65DYH_	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
__B66DYH_	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
__B67DYH_	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
__B68DYH_	68	3.350	85.09	3.450	87.63	3.640	92.46	3.926	99.72	4.240	107.70	3.500	88.90
__B69DYH_	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
__B70DYH_	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
__B71DYH_	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
__B72DYH_	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
__B73DYH_	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
__B74DYH_	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
__B75DYH_	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
__B76DYH_	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
__B77DYH_	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
__B78DYH_	78	3.850	97.79	3.950	100.33	4.140	105.16	4.426	112.42	4.740	120.40	4.000	101.60
__B79DYH_	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
__B80DYH_	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
__B81DYH_	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
__B82DYH_	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
__B83DYH_	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
__B84DYH_	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
__B85DYH_	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
__B86DYH_	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
__B87DYH_	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
__B88DYH_	88	4.350	110.49	4.450	113.03	4.640	117.86	4.926	125.12	5.240	133.10	4.500	114.30
__B89DYH_	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
__B90DYH_	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
__B91DYH_	91	4.500	114.30	4.600	116.84	4.790	121.67	5.076	128.93	5.390	136.91	4.650	118.11
__B92DYH_	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
__B93DYH_	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
__B94DYH_	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
__B95DYH_	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
__B96DYH_	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
__B97DYH_	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
__B98DYH_	98	4.850	123.19	4.950	125.73	5.140	130.56	5.426	137.82	5.740	145.80	5.000	127.00
__B99DYH_	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
__B100DYH	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
__B101DYH	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
__B102DYH	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
__B103DYH	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
__B104DYH	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
__B105DYH	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
__B106DYH	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
__B107DYH	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
__B108DYH	108	5.350	135.89	5.450	138.43	5.640	143.26	5.926	150.52	6.240	158.50	5.500	139.70
__B109DYH	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
__B110DYH	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
__B111DYH	111	5.500	139.70	5.600	142.24	5.790	147.07					5.650	143.51
__B112DYH	112	5.550	140.97	5.650	143.51	5.840	148.34					5.700	144.78
__B113DYH	113	5.600	142.24	5.700	144.78	5.890	149.61					5.750	146.05
__B114DYH	114	5.650	143.51	5.750	146.05	5.940	150.88					5.800	147.32
__B115DYH	115	5.700	144.78	5.800	147.32	5.990	152.15	N OR R MOUNTING ONLY				5.850	148.59
__B116DYH	116	5.750	146.05	5.850	148.59	6.040	153.42					5.900	149.86
__B117DYH	117	5.800	147.32	5.900	149.86	6.090	154.69					5.950	151.13
__B118DYH	118	5.850	148.59	5.950	151.13	6.140	155.96					6.000	152.40
__B119DYH	119	5.900	149.86	6.000	152.40	6.190	157.23					6.050	153.67
__B120DYH	120	5.950	151.13	6.050	153.67	6.240	158.50					6.100	154.94







CUSTOMER COPY

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	06/18/10	TT

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SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .050" CC, CANTILEVER

PART NUMBER: _ _B_ _DYH_-S_ _ _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11419	E

SCALE: 3:1 SHEET 3 OF 3

FILE NAME: C11419, _ _B_ _DYH_-S_ _ _ STAGGER BEND STD ASSY