

PART NUMBER CODING

B **DYF** **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
(CONSULT FACTORY FOR SPECIAL SOLDERING GUIDELINES)
* AVAILABLE IN 'M' PLATING ONLY

MODIFICATION CODE

OMIT FOR STANDARD, EX: 'GCB15DYFD'
OTHER S# FOR MOLDED KEY OPTION
(SEE DRAWING C13556 FOR S#, G & H DIMENSIONS)

MOUNTING STYLE

- D = FLUSH MOUNTING (PAGE 1)
- N = NO MOUNTING EARS (PAGE 2)
- T = FLUSH MOUNTING, WITH THREADED INSERTS (PAGE 2)
- R = METAL BOARDLOCKS (PAGE 2)

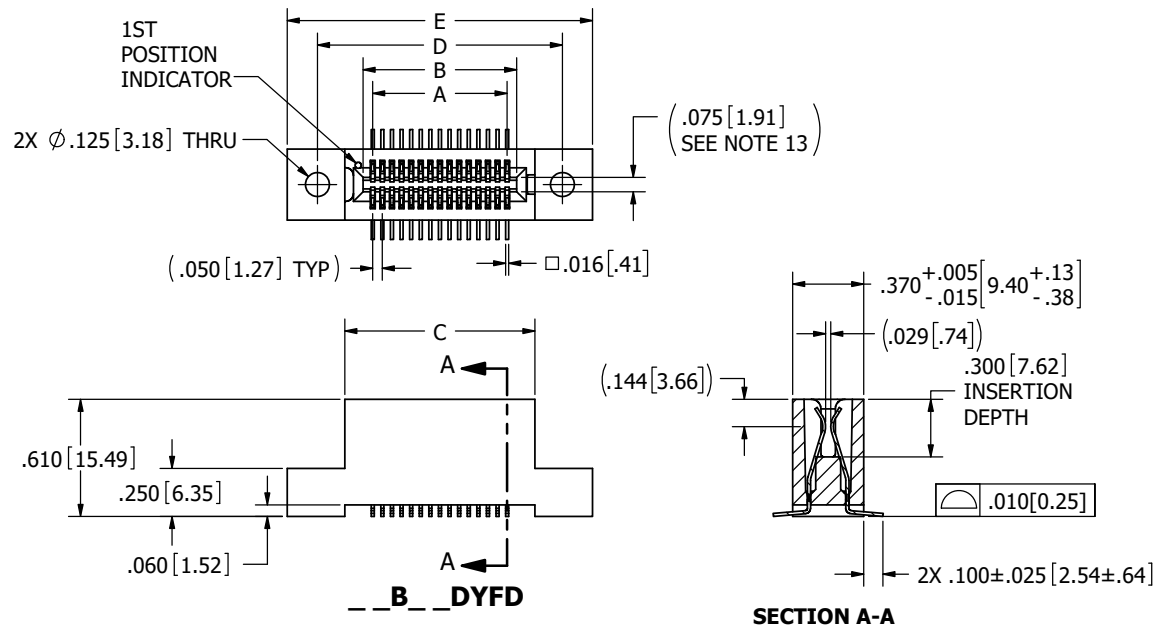
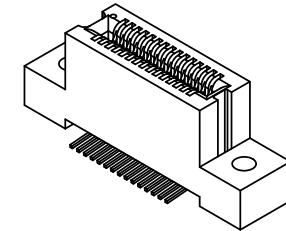
NUMBER OF POSITIONS
(CONTACTS PER ROW)

PLATING

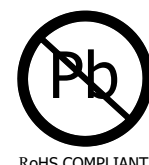
ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

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

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
F	4448	CHANGE SMT BEND & INCREASE CONTACT SURFACE RADIUS BIGGER, ADDED 'X' MATERIAL	12/12/2022	JH
H	4626	UPDATE NOTE 11 (WAS '500 CYCLES')	2/13/2023	MM
J	4668	REMOVE 'X' MATERIAL	5/11/2023	JH



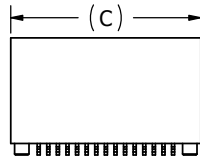
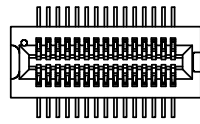
- NOTES:**
- INSULATOR MATERIAL: SEE PART NUMBER CODING
 - CONTACT MATERIAL: SEE PART NUMBER CODING
 - PLATING: SEE PART NUMBER CODING
 - OPERATING TEMPERATURE: SEE PART NUMBER CODING
 - PROCESSING TEMP: SEE PART NUMBER CODING
 - UL FLAMMABILITY RATING: 94V-0
 - OPERATING VOLTAGE: 300 VAC
 - CURRENT RATING: 1 AMP
 - CONTACT RESISTANCE: 30 MILLI OHMS MAX
 - INSULATION RESISTANCE: 5000 MEGA OHM
 - DURABILITY: 5000 CYCLES MINIMUM
 - CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
 - BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20]
 - INSERTION FORCE: 6 OZ MAX PER CONTACT PAIR WHEN USING A .062 [1.57] TEST BLADE
INTERNAL INSPECTION TO BE PER SULLINS WORK INSTRUCTION WI-8.6-03
 - WITHDRAWAL FORCE: 1/2 OZ MIN PER CONTACT PAIR USING .062 [1.57] TEST BLADE
 - MODIFICATION: SEE PART NUMBER CODING



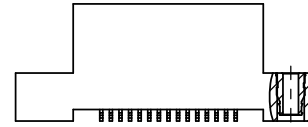
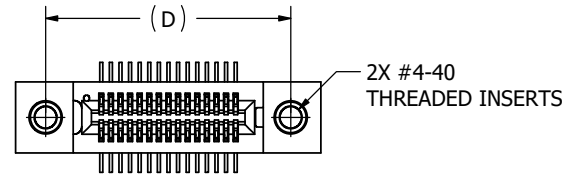
RoHS COMPLIANT

CUSTOMER COPY

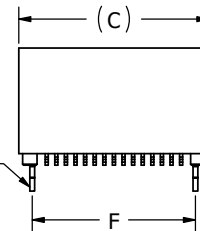
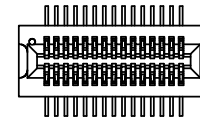
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (MM)		DRAWN	DATE	NAME	
TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .02 [5] .XXX = ± .005 [13] .XXXX = ± .0005 [013]		TT	01/06/09	TT	
<small>THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.</small>					TITLE EDGE CARD, .050" CC, HP, SMT PART NUMBER _ _ B _ _ DYF _ _
SIZE	CAGE CODE	DWG. NO.	REV	SCALE: 2:1 SHEET 1 OF 3	
C	54453	C11422	J		



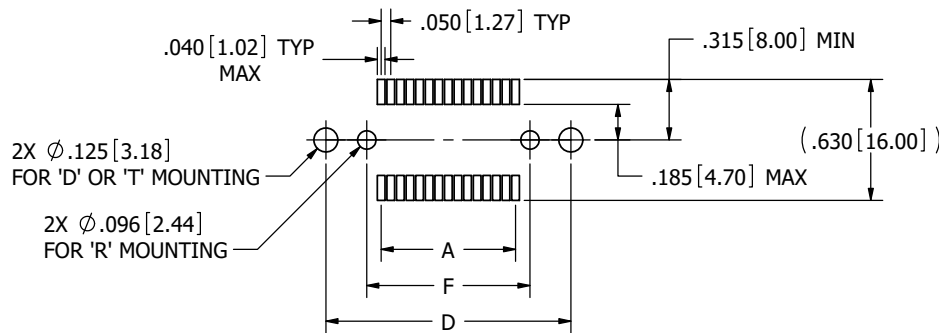
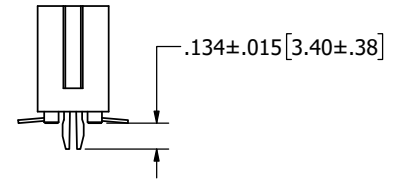
__B__DYFN



__B__DYFT

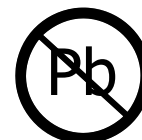


__B__DYFR



PCB LAYOUT RECOMMENDED

CUSTOMER COPY



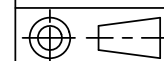
RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES (MM)

TOLERANCES:
 ANGULAR: $\pm 1^\circ$
 DECIMALS
 .XX = $\pm .02 [5]$
 .XXX = $\pm .005 [13]$
 .XXXX = $\pm .0005 [13]$

DRAWN	DATE	NAME
	01/06/09	TT

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SULLINS CONNECTOR SOLUTIONS			
TITLE EDGECARD, .050" CC, HP, SMT			
PART NUMBER __B__DYF__			
SIZE C	CAGE CODE 54453	DWG. NO. C11422	REV J
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
B05DYF	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
B06DYF	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
B07DYF	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
B08DYF	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
B09DYF	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
B10DYF	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
B11DYF	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
B12DYF	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
B13DYF	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
B14DYF	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
B15DYF	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
B16DYF	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
B17DYF	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
B18DYF	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
B19DYF	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
B20DYF	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
B21DYF	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
B22DYF	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
B23DYF	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
B24DYF	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
B25DYF	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
B26DYF	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
B27DYF	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
B28DYF	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
B29DYF	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
B30DYF	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
B31DYF	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
B32DYF	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
B33DYF	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
B34DYF	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
B35DYF	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
B36DYF	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
B37DYF	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
B38DYF	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
B39DYF	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
B40DYF	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
B41DYF	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
B42DYF	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
B43DYF	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
B44DYF	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
B45DYF	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
B46DYF	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
B47DYF	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
B48DYF	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
B49DYF	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
B50DYF	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
B51DYF	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
B52DYF	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
B53DYF	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
B54DYF	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
B55DYF	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
B56DYF	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
B57DYF	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
B58DYF	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
B59DYF	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
B60DYF	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
B61DYF	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
B62DYF	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
B63DYF	63	3.100	78.74	3.200	81.28	3.300	83.82	3.400	86.36	3.500	88.90	3.600	91.44
B64DYF	64	3.150	80.01	3.250	82.55	3.340	85.12	3.440	87.66	3.540	90.10	3.640	92.68
B65DYF	65	3.200	81.28	3.300	83.82	3.400	86.36	3.500	88.90	3.600	91.44	3.700	94.00
B66DYF	66	3.250	82.55	3.350	85.09	3.450	89.92	3.550	92.46	3.650	95.00	3.750	96.27
B67DYF	67	3.300	83.82	3.400	86.36	3.500	91.19	3.600	93.73	3.700	96.00	3.800	98.26
B68DYF	68	3.350	85.09	3.450	89.92	3.550	92.46	3.650	95.00	3.750	97.54	3.850	100.08
B69DYF	69	3.400	86.36	3.500	88.90	3.600	93.73	3.700	96.00	3.800	98.26	3.900	101.33
B70DYF	70	3.450	87.63	3.550	90.17	3.640	95.00	3.740	97.54	3.840	100.08	3.940	102.87
B71DYF	71	3.500	88.90	3.600	91.44	3.700	96.27	3.800	98.26	3.900	101.33	4.000	104.14
B72DYF	72	3.550	90.17	3.650	92.71	3.740	97.54	3.840	100.08	3.940	102.87	4.040	105.41
B73DYF	73	3.600	91.44	3.700	93.98	3.800	98.26	3.900	101.33	4.000	104.14	4.100	106.68
B74DYF	74	3.650	92.71	3.750	95.25	3.840	100.08	3.940	102.87	4.040	105.41	4.140	107.95
B75DYF	75	3.700	93.98	3.800	96.52	3.900	101.33	4.000	104.14	4.100	106.68	4.200	109.22
B76DYF	76	3.750	95.25	3.850	97.79	3.940	102.87	4.040	105.41	4.140	107.95	4.240	110.49
B77DYF	77	3.800	96.52	3.900	99.06	4.000	103.98	4.100	106.68	4.200	109.22	4.300	112.76
B78DYF	78	3.850	97.79	3.950	100.33	4.100	105.41	4.200	107.95	4.300	110.49	4.400	114.06
B79DYF	79	3.900	99.06	4.000	101.60	4.100	103.98	4.200	106.68	4.300	110.49	4.400	112.76
B80DYF	80	3.950	100.33	4.050	102.87	4.150	105.41	4.250	107.95	4.350	110.49	4.450	114.06
B81DYF	81	4.000	101.60	4.100	104.14	4.200	106.68	4.300	110.49	4.400	112.76	4.500	115.33
B82DYF	82	4.050	102.87	4.150	105.41	4.250	107.95	4.350	110.49	4.450	114.06	4.550	116.60
B83DYF	83	4.100	104.14	4.200	106.68	4.300	110.49	4.400	112.76	4.500	115.33	4.600	117.89
B84DYF	84	4.150	105.41	4.250	107.95	4.350	110.49	4.450	114.06	4.550	116.60	4.650	118.16
B85DYF	85	4.200	106.68	4.300	109.22	4.400	112.76	4.500	115.33	4.600	117.89	4.700	120.40
B86DYF	86	4.250	107.95	4.350	110.49	4.450	114.06	4.550	116.60	4.650	118.16	4.750	121.67
B87DYF	87	4.300	109.22	4.400	111.76	4.500	114.06	4.600	117.89	4.700	120.40	4.800	122.94
B88DYF	88	4.350	1										