



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PART NUMBER CODING
SFH31-NP_B-D__-SP-BK

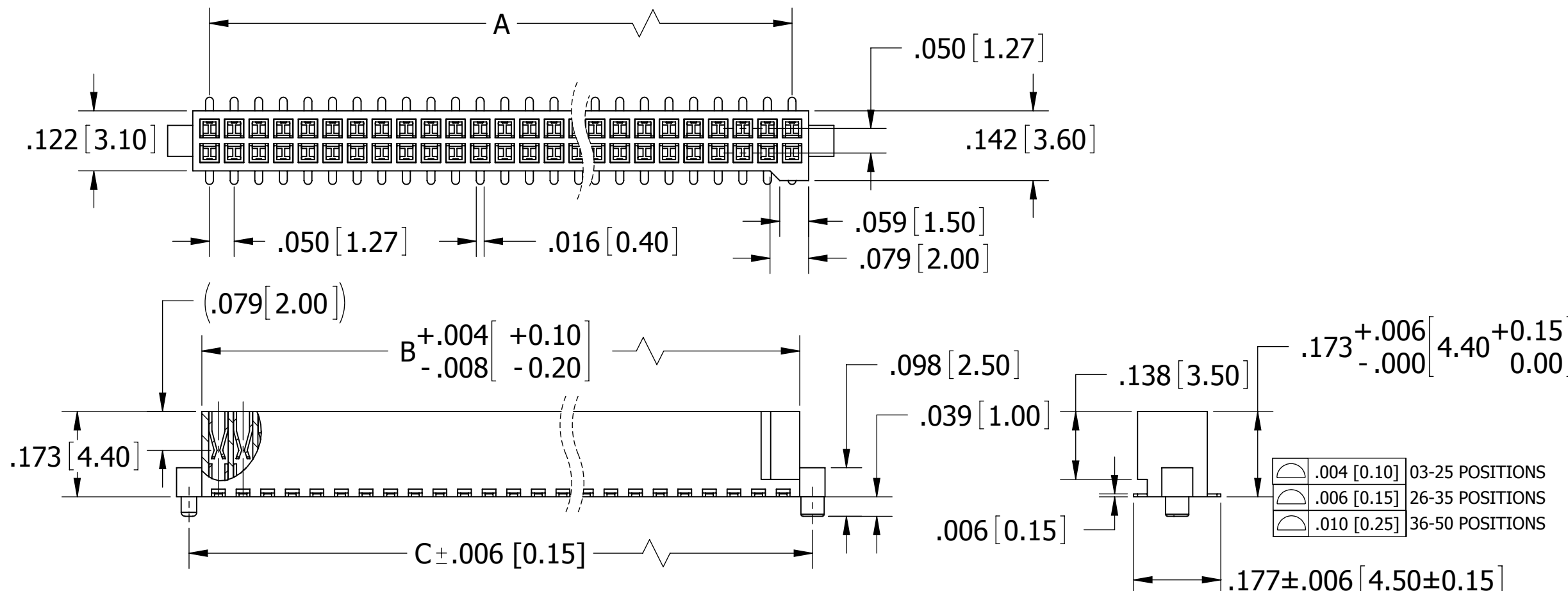
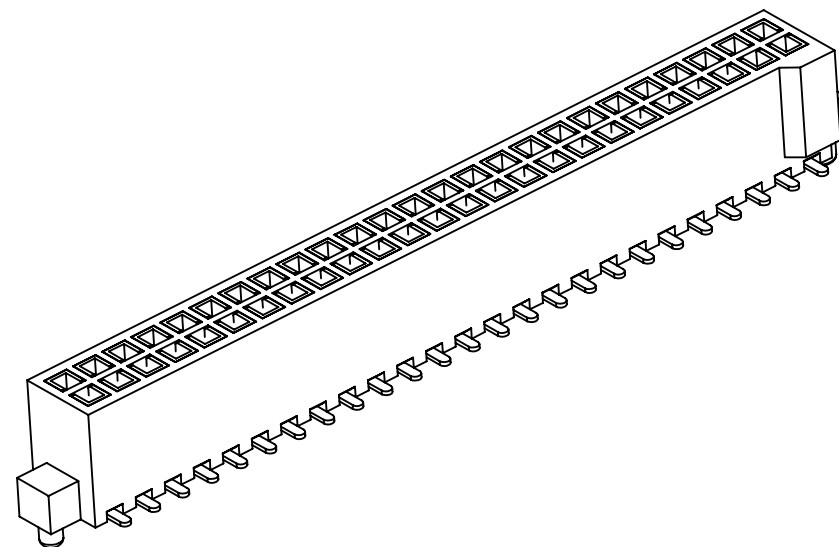
NUMBER OF POSITIONS

(CONTACTS PER ROW)

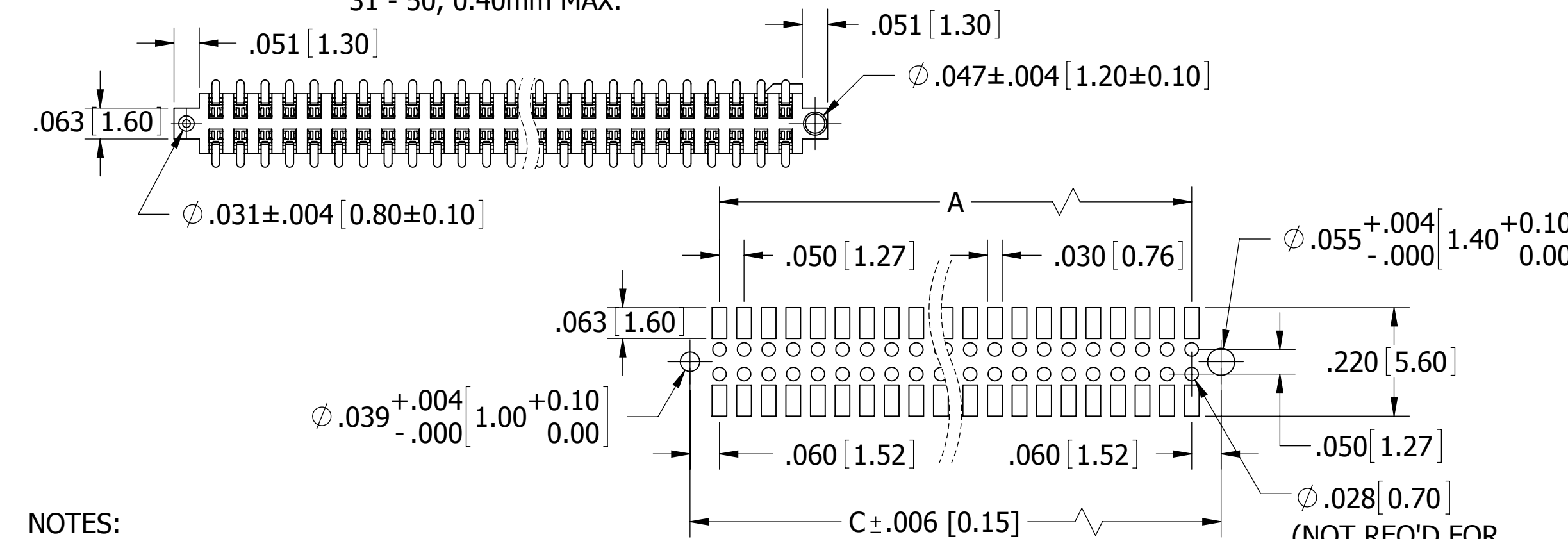
PLATING

P = GOLD FLASH OVERALL

E = .000100" PURE TIN, MATTE OVERALL

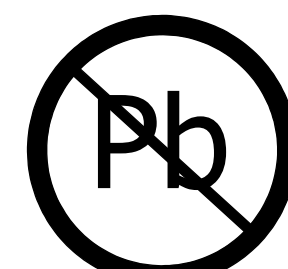


03 - 20, 0.20mm MAX.
 21 - 30, 0.30mm MAX.
 31 - 50, 0.40mm MAX.



RECOMMENDED PCB LAYOUT

- NOTES:**
- INSULATOR MATERIAL: NYLON 9T, BLACK
 - CONTACT MATERIAL: PHOSPHOR BRONZE
 - PLATING: SEE PART NUMBER CODING
 - CONTACT RESISTANCE: 20m OHMS MAX.
 - OPERATING TEMPERATURE: -40 °C TO +105 °C
 - UL FLAMMABILITY RATING: 94V-0
 - CURRENT RATING: 1 AMP
 - INSULATOR RESISTANCE: 5,000M OHMS MIN.
 - DIELECTRIC WITHSTANDING: 500 VAC
 - PROCESSING TEMP.: 230 °C MAX FOR 60 SECONDS
(260 °C MAX FOR 10 SECONDS)
 - MATES WITH SBH31 SERIES



RoHS COMPLIANT

REVISIONS

REV.	ECO. NO	DESCRIPTION	DATE	BY
E	2835	UPGRADE INSULATOR MATERIAL NYLON 9T(WAS NYLON 6T),UPDATE SMT TAIL COPLANAR TOLERANCE & ADD WARP TOLERANCE	04/07/2014	LH
F	3040	ADD DIMENSION 'B' TOLERANCE AND UPDATE DIMENSION TABLE	08/08/2014	LH
H	3219	UPDATE INSULATOR COLOR OPTIONS	12/04/2015	EP

PART NUMBER	POSITIONS/ CONTACTS	A		B		C	
		INCH	MM	INCH	MM	INCH	MM
SFH31-NP_B-D03-SP-BK	03/06	0.100	2.54	0.167	4.23	0.220	5.58
SFH31-NP_B-D04-SP-BK	04/08	0.150	3.81	0.217	5.50	0.270	6.85
SFH31-NP_B-D05-SP-BK	05/10	0.200	5.08	0.267	6.77	0.320	8.12
SFH31-NP_B-D06-SP-BK	06/12	0.250	6.35	0.317	8.04	0.370	9.39
SFH31-NP_B-D07-SP-BK	07/14	0.300	7.62	0.367	9.31	0.420	10.66
SFH31-NP_B-D08-SP-BK	08/16	0.350	8.89	0.417	10.58	0.470	11.93
SFH31-NP_B-D09-SP-BK	09/18	0.400	10.16	0.467	11.85	0.520	13.20
SFH31-NP_B-D10-SP-BK	10/20	0.450	11.43	0.517	13.12	0.570	14.47
SFH31-NP_B-D11-SP-BK	11/22	0.500	12.70	0.567	14.39	0.620	15.74
SFH31-NP_B-D12-SP-BK	12/24	0.550	13.97	0.617	15.66	0.670	17.01
SFH31-NP_B-D13-SP-BK	13/26	0.600	15.24	0.667	16.93	0.720	18.28
SFH31-NP_B-D14-SP-BK	14/28	0.650	16.51	0.717	18.20	0.770	19.55
SFH31-NP_B-D15-SP-BK	15/30	0.700	17.78	0.767	19.47	0.820	20.82
SFH31-NP_B-D16-SP-BK	16/32	0.750	19.05	0.817	20.74	0.870	22.09
SFH31-NP_B-D17-SP-BK	17/34	0.800	20.32	0.867	22.01	0.920	23.36
SFH31-NP_B-D18-SP-BK	18/36	0.850	21.59	0.917	23.28	0.970	24.63
SFH31-NP_B-D19-SP-BK	19/38	0.900	22.86	0.967	24.55	1.020	25.90
SFH31-NP_B-D20-SP-BK	20/40	0.950	24.13	1.017	25.82	1.070	27.17
SFH31-NP_B-D21-SP-BK	21/42	1.000	25.40	1.067	27.09	1.120	28.44
SFH31-NP_B-D22-SP-BK	22/44	1.050	26.67	1.117	28.36	1.170	29.71
SFH31-NP_B-D23-SP-BK	23/46	1.100	27.94	1.167	29.63	1.220	30.98
SFH31-NP_B-D24-SP-BK	24/48	1.150	29.21	1.217	30.90	1.270	32.25
SFH31-NP_B-D25-SP-BK	25/50	1.200	30.48	1.267	32.17	1.320	33.52
SFH31-NP_B-D26-SP-BK	26/52	1.250	31.75	1.317	33.44	1.370	34.79
SFH31-NP_B-D27-SP-BK	27/54	1.300	33.02	1.367	34.71	1.420	36.06
SFH31-NP_B-D28-SP-BK	28/56	1.350	34.29	1.417	35.98	1.470	37.33
SFH31-NP_B-D29-SP-BK	29/58	1.400	35.56	1.467	37.25	1.520	38.60
SFH31-NP_B-D30-SP-BK	30/60	1.450	36.83	1.517	38.52	1.570	39.87
SFH31-NP_B-D31-SP-BK	31/62	1.500	38.10	1.567	39.79	1.620	41.14
SFH31-NP_B-D32-SP-BK	32/64	1.550	39.37	1.617	41.06	1.670	42.41
SFH31-NP_B-D33-SP-BK	33/66	1.600	40.64	1.667	42.33	1.720	43.68
SFH31-NP_B-D34-SP-BK	34/68	1.650	41.91	1.717	43.60	1.770	44.95
SFH31-NP_B-D35-SP-BK	35/70	1.700	43.18	1.767	44.87	1.820	46.22
SFH31-NP_B-D36-SP-BK	36/72	1.750	44.45	1.817	46.14	1.870	47.49
SFH31-NP_B-D37-SP-BK	37/74	1.800	45.72	1.867	47.41	1.920	48.76
SFH31-NP_B-D38-SP-BK	38/76	1.850	46.99	1.917	48.68	1.970	50.03
SFH31-NP_B-D39-SP-BK	39/78	1.900	48.26	1.967	49.95	2.020	51.30
SFH31-NP_B-D40-SP-BK	40/80	1.950	49.53	2.017	51.22	2.070	52.57
SFH31-NP_B-D41-SP-BK	41/82	2.000	50.80	2.067	52.49	2.120	53.84
SFH31-NP_B-D42-SP-BK	42/84	2.050	52.07	2.117	53.76	2.170	55.11
SFH31-NP_B-D43-SP-BK	43/86	2.100	53.34	2.167	55.03	2.220	56.38
SFH31-NP_B-D44-SP-BK	44/88	2.150	54.61	2.217	56.30	2.270	57.65
SFH31-NP_B-D45-SP-BK	45/90	2.200	55.88	2.267	57.57	2.320	58.92
SFH31-NP_B-D46-SP-BK	46/92	2.250	57.15	2.317	58.84	2.370	60.19
SFH31-NP_B-D47-SP-BK	47/94	2.300	58.42	2.367	60.11	2.420	61.46
SFH31-NP_B-D48-SP-BK	48/96	2.350	59.69	2.417	61.38	2.470	62.73
SFH31-NP_B-D49-SP-BK	49/98	2.400	60.96	2.467	62.65	2.520	64.00
SFH31-NP_B-D50-SP-BK	50/100	2.450	62.23	2.517	63.92	2.570	65.27

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (MM)	DRAWN	DATE	NAME	
		10/21/08	JH	
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ANGULAR: ± 1°				HEADER FEMALE, .050[1.27] CC, SMT
DECIMALS .XX=± .01 [3] .XXX=± .008 [20] .XXXX=± .0040 [100]				PART NUMBER
				SFH31-NP_B-D__-SP-BK
	SIZE	CAGE CODE	DWG. NO.	REV
	C	54453	11165	H
	SCALE: 2:1	SHEET 1 OF 1		