

PART NUMBER CODING
SFH31-NP_B-D_-SP-

COLOR

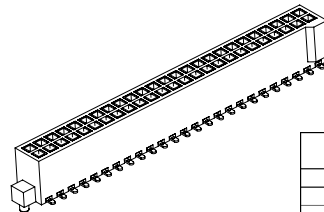
BK= BLACK
GY= GREY

NUMBER OF POSITIONS

(CONTACTS PER ROW)

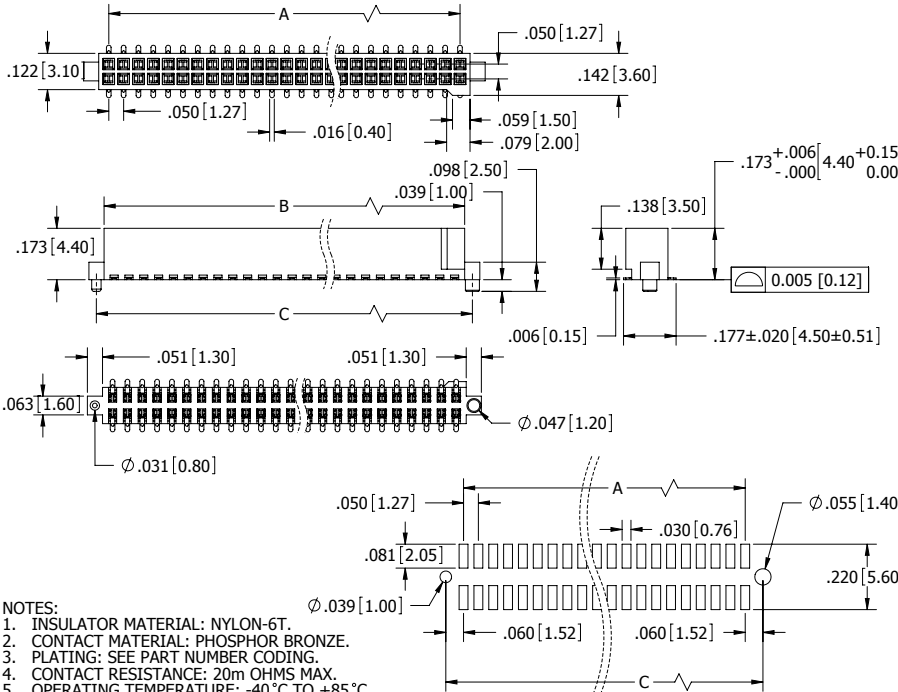
PLATING

P = GOLD FLASH OVERALL
E = .000100" PURE TIN, MATTE OVERALL



REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1839	INITIAL RELEASE	11/3/2008	JH
B	1845	UPDATE TOLERANCE BLOCK ADD TOLERANCE TO DIM. 177[4.50]	11/6/2008	JH
C	1909	UPDATE NOTES	2/4/2009	JH

PART NUMBER	POSITIONS/ CONTACTS	A		B		C	
		INCH	MM	INCH	MM	INCH	MM
SFH31-NP B-D03-SP	03/06	0.100	2.54	0.168	4.26	0.220	5.58
SFH31-NP B-D04-SP	04/08	0.150	3.81	0.218	5.53	0.270	6.85
SFH31-NP B-D05-SP	05/10	0.200	5.08	0.268	6.80	0.320	8.12
SFH31-NP B-D06-SP	06/12	0.250	6.35	0.318	8.07	0.370	9.39
SFH31-NP B-D07-SP	07/14	0.300	7.62	0.368	9.34	0.420	10.66
SFH31-NP B-D08-SP	08/16	0.350	8.89	0.418	10.61	0.470	11.93
SFH31-NP B-D09-SP	09/18	0.400	10.16	0.468	11.88	0.520	13.20
SFH31-NP B-D10-SP	10/20	0.450	11.43	0.518	13.15	0.570	14.47
SFH31-NP B-D11-SP	11/22	0.500	12.70	0.568	14.42	0.620	15.74
SFH31-NP B-D12-SP	12/24	0.550	13.97	0.618	15.69	0.670	17.01
SFH31-NP B-D13-SP	13/26	0.600	15.24	0.668	16.96	0.720	18.28
SFH31-NP B-D14-SP	14/28	0.650	16.51	0.718	18.23	0.770	19.55
SFH31-NP B-D15-SP	15/30	0.700	17.78	0.768	19.50	0.820	20.82
SFH31-NP B-D16-SP	16/32	0.750	19.05	0.818	20.77	0.870	22.09
SFH31-NP B-D17-SP	17/34	0.800	20.32	0.868	22.04	0.920	23.36
SFH31-NP B-D18-SP	18/36	0.850	21.59	0.918	23.31	0.970	24.63
SFH31-NP B-D19-SP	19/38	0.900	22.86	0.968	24.58	1.020	25.90
SFH31-NP B-D20-SP	20/40	0.950	24.13	1.018	25.85	1.070	27.17
SFH31-NP B-D21-SP	21/42	1.000	25.40	1.068	27.12	1.120	28.44
SFH31-NP B-D22-SP	22/44	1.050	26.67	1.118	28.39	1.170	29.71
SFH31-NP B-D23-SP	23/46	1.100	27.94	1.168	29.66	1.220	30.98
SFH31-NP B-D24-SP	24/48	1.150	29.21	1.218	30.93	1.270	32.25
SFH31-NP B-D25-SP	25/50	1.200	30.48	1.268	32.20	1.320	33.52
SFH31-NP B-D26-SP	26/52	1.250	31.75	1.318	33.47	1.370	34.79
SFH31-NP B-D27-SP	27/54	1.300	33.02	1.368	34.74	1.420	36.06
SFH31-NP B-D28-SP	28/56	1.350	34.29	1.418	36.01	1.470	37.33
SFH31-NP B-D29-SP	29/58	1.400	35.56	1.468	37.28	1.520	38.60
SFH31-NP B-D30-SP	30/60	1.450	36.83	1.518	38.55	1.570	39.87
SFH31-NP B-D31-SP	31/62	1.500	38.10	1.568	39.82	1.620	41.14
SFH31-NP B-D32-SP	32/64	1.550	39.37	1.618	41.09	1.670	42.41
SFH31-NP B-D33-SP	33/66	1.600	40.64	1.668	42.36	1.720	43.68
SFH31-NP B-D34-SP	34/68	1.650	41.91	1.718	43.63	1.770	44.95
SFH31-NP B-D35-SP	35/70	1.700	43.18	1.768	44.90	1.820	46.22
SFH31-NP B-D36-SP	36/72	1.750	44.45	1.818	46.17	1.870	47.49
SFH31-NP B-D37-SP	37/74	1.800	45.72	1.868	47.44	1.920	48.76
SFH31-NP B-D38-SP	38/76	1.850	46.99	1.918	48.71	1.970	50.03
SFH31-NP B-D39-SP	39/78	1.900	48.26	1.968	49.98	2.020	51.30
SFH31-NP B-D40-SP	40/80	1.950	49.53	2.018	51.25	2.070	52.57
SFH31-NP B-D41-SP	41/82	2.000	50.80	2.068	52.52	2.120	53.84
SFH31-NP B-D42-SP	42/84	2.050	52.07	2.118	53.79	2.170	55.11
SFH31-NP B-D43-SP	43/86	2.100	53.34	2.168	55.06	2.220	56.38
SFH31-NP B-D44-SP	44/88	2.150	54.61	2.218	56.33	2.270	57.65
SFH31-NP B-D45-SP	45/90	2.200	55.88	2.268	57.60	2.320	58.92
SFH31-NP B-D46-SP	46/92	2.250	57.15	2.318	58.87	2.370	60.19
SFH31-NP B-D47-SP	47/94	2.300	58.42	2.368	60.14	2.420	61.46
SFH31-NP B-D48-SP	48/96	2.350	59.69	2.418	61.41	2.470	62.73
SFH31-NP B-D49-SP	49/98	2.400	60.96	2.468	62.68	2.520	64.00
SFH31-NP B-D50-SP	50/100	2.450	62.23	2.518	63.95	2.570	65.27



RECOMMENDED PCB SMD LAYOUT

- NOTES:
- INSULATOR MATERIAL: NYLON-6T.
 - CONTACT MATERIAL: PHOSPHOR BRONZE.
 - PLATING: SEE PART NUMBER CODING.
 - CONTACT RESISTANCE: 20m OHMS MAX.
 - OPERATING TEMPERATURE: -40°C TO +85°C.
 - UL FLAMMABILITY RATING: 94V-0.
 - CURRENT RATING: 1 AMP PER CONTACT..
 - INSULATOR RESISTANCE: 1,000M OHMS MIN.
 - DIELECTRIC WITHSTANDING: 500 VAC
 - PROCESSING TEMP.: 230 °C FOR 60 SEC. MAX.
(260 °C FOR 10 SEC. MAX)
 - MATES WITH SBH31 SERIES.
 - FOR PCB CONNECTOR.



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES(MM)
TOLERANCES:
ANGULAR: ± .30°
X = ± .008 [0.20]
Y = ± .005 [0.12]
XX = ± .008 [0.20]
XXX = ± .008 [0.20]
SURFACE FINISH: 53 Ra
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

DATE	NAME	REV
10/31/08	JH	

DESCRIPTION: HEADER FEMALE, .050[1.27] CC, SMT
PART NUMBER: SFH31-NP_B-D_-SP_-
SIZE: C DWG. NO.: 11165
SCALE: NTS
SHEET 1 OF 1