

PART NUMBER CODING
SFH31-NP_B-D_-SP-

COLOR

BK= BLACK

GY= GREY

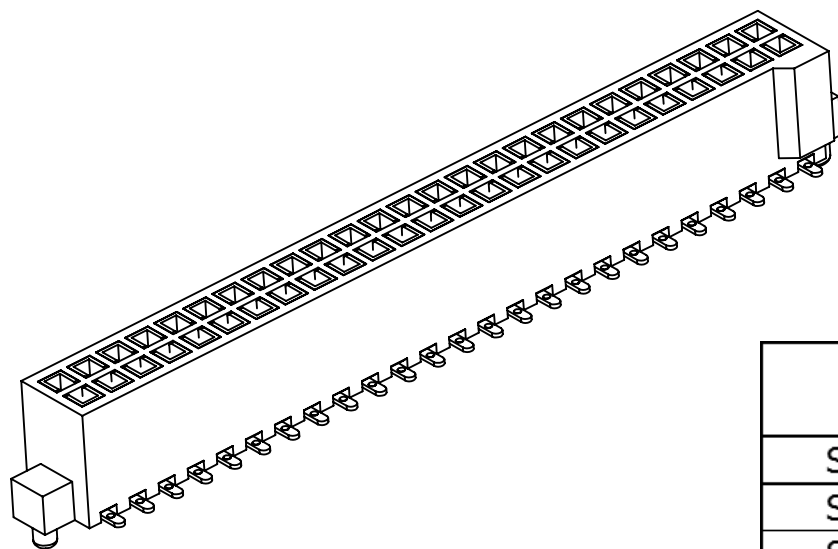
NUMBER OF POSITIONS

(CONTACTS PER ROW)

PLATING

P = GOLD FLASH OVERALL

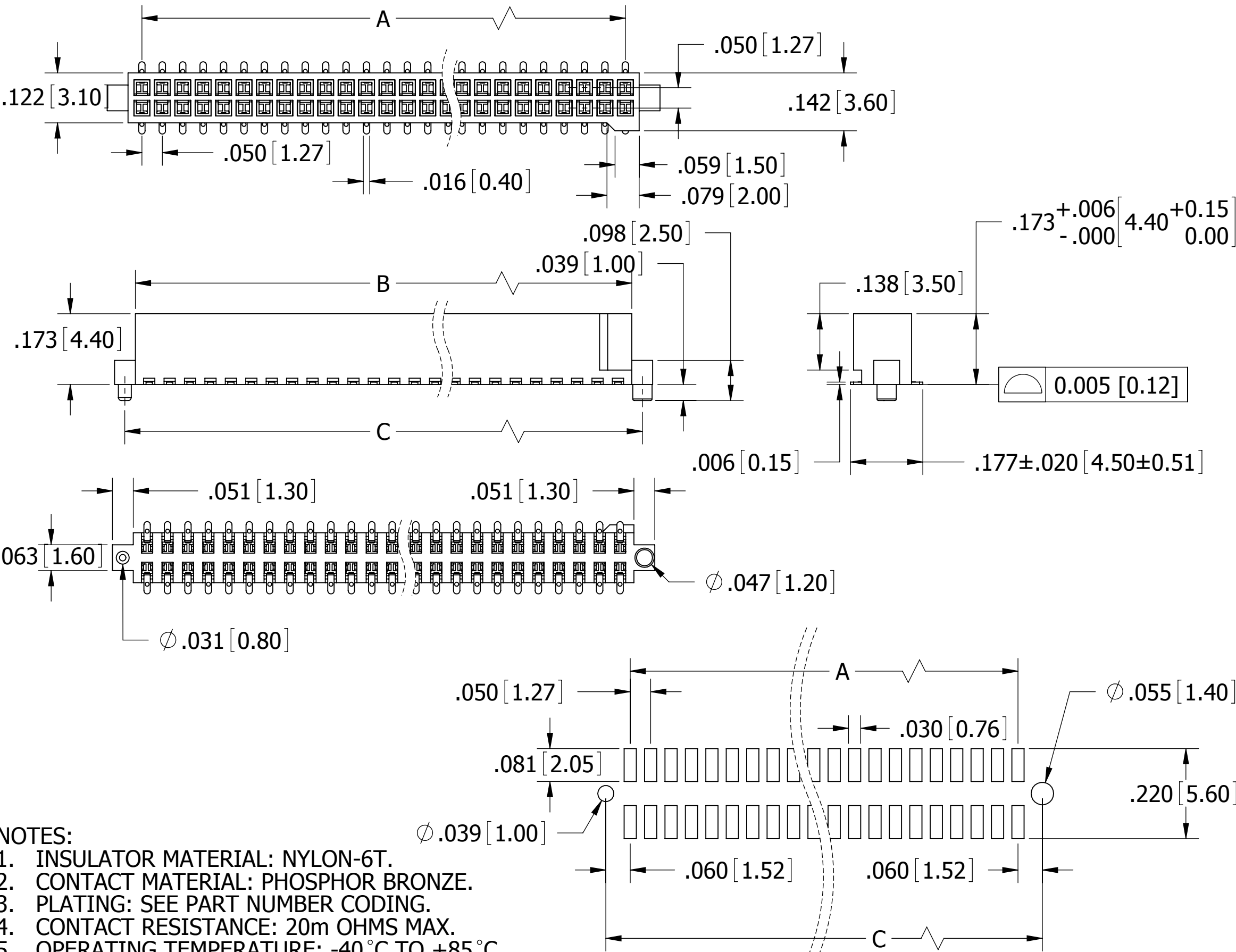
E = .000100" PURE TIN, MATTE OVERALL



REVISIONS

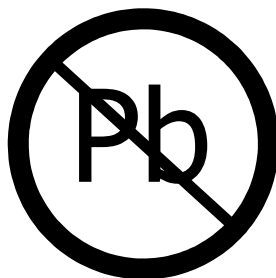
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1839	INITIAL RELEASE	11/3/2008	JH
B	1845	UPDATE TOLERANCE BLOCK, ADD TOLERANCE TO DIM .177[4.50]	11/6/2008	JH
C	1909	UPDATE NOTES	2/4/2009	JH

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



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

RECOMMENDED PCB SMD LAYOUT



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES[MM]

TOLERANCES:

ANGULAR: ± 30°

X = ± .008 [.20]

.X = ± .008 [.20]

.XX = ± .008 [.20]

.XXX = ± .008 [.20]

SURFACE FINISH: 63 Ra

REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC

TOLERANCING

PER: ANSI Y14.5M-1994

DATE NAME

DRAWN 10/31/08 JH

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.

SCALE: NTS

SHEET 1 OF 1

SULLINS
CONNECTOR SOLUTIONS

DESCRIPTION

HEADER FEMALE, .050[1.27] CC, SMT

PART NUMBER

SFH31-NP_B-D_-SP-__

SIZE DWG. NO.

C 11165

REV

C