

POSITIONS/ CONTACTS	A		B	
	INCH	MM	INCH	MM
02/02	0.079	2.00	0.177	4.50
03/03	0.157	4.00	0.256	6.50
04/04	0.236	6.00	0.335	8.50
05/05	0.315	8.00	0.413	10.50
06/06	0.394	10.00	0.492	12.50
07/07	0.472	12.00	0.571	14.50
08/08	0.551	14.00	0.650	16.50
09/09	0.630	16.00	0.728	18.50
10/10	0.709	18.00	0.807	20.50
11/11	0.787	20.00	0.886	22.50
12/12	0.866	22.00	0.965	24.50
13/13	0.945	24.00	1.043	26.50
14/14	1.024	26.00	1.122	28.50
15/15	1.102	28.00	1.201	30.50
16/16	1.181	30.00	1.280	32.50
17/17	1.260	32.00	1.358	34.50
18/18	1.339	34.00	1.437	36.50
19/19	1.417	36.00	1.516	38.50
20/20	1.496	38.00	1.594	40.50
21/21	1.575	40.00	1.673	42.50
22/22	1.654	42.00	1.752	44.50
23/23	1.732	44.00	1.831	46.50
24/24	1.811	46.00	1.909	48.50
25/25	1.890	48.00	1.988	50.50
26/26	1.969	50.00	2.067	52.50
27/27	2.047	52.00	2.146	54.50
28/28	2.126	54.00	2.224	56.50
29/29	2.205	56.00	2.303	58.50
30/30	2.283	58.00	2.382	60.50
31/31	2.362	60.00	2.461	62.50
32/32	2.441	62.00	2.539	64.50
33/33	2.520	64.00	2.618	66.50
34/34	2.598	66.00	2.697	68.50
35/35	2.677	68.00	2.776	70.50
36/36	2.756	70.00	2.854	72.50
37/37	2.835	72.00	2.933	74.50
38/38	2.913	74.00	3.012	76.50
39/39	2.992	76.00	3.091	78.50
40/40	3.071	78.00	3.169	80.50

**PART NUMBER CODING**

**xPxNxx1BFLx-RC**

**TERMINATION TYPES**

(EVEN NO. OF POSITIONS)  
 C - SURFACE MOUNT, SINGLE ROW, PIN 1 (STANDARD)  
 D - SURFACE MOUNT, SINGLE ROW, PIN 1

**NUMBER OF POSITIONS**

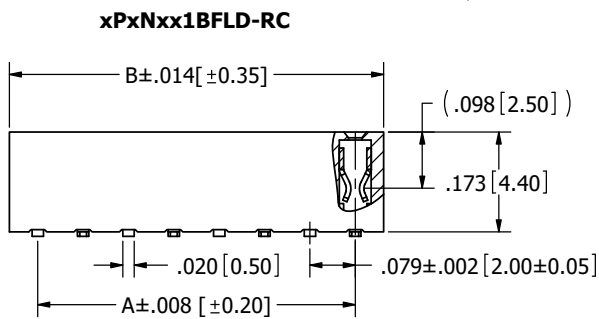
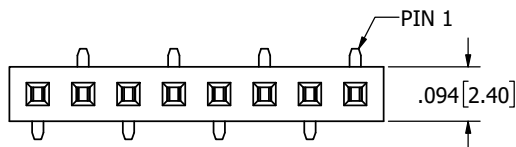
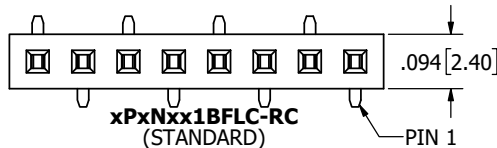
(CONTACTS PER ROW, 02 THRU 40)

**PLATING**

(.000030" ~ .000050" NICKEL UNDERPLATE)  
 P = GOLD FLASH OVERALL  
 C = .000030" GOLD ON CONTACT SURFACE,  
 .000100" PURE TIN, MATTE ON TERMINATION

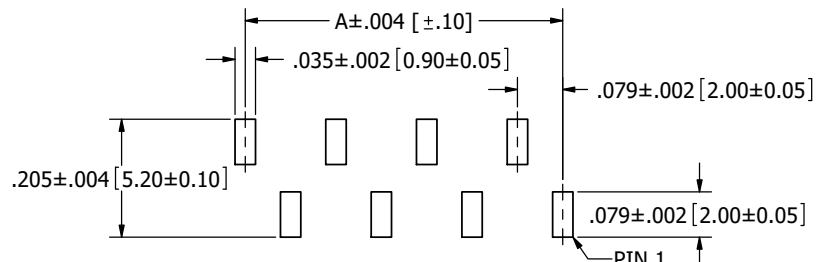
**INSULATOR MATERIAL**

N = NYLON 6T  
 OPERATING TEMPERATURE: -40 °C TO +105 °C  
 PROCESSING TEMPERATURE: WAVE / MANUAL SOLDERING  
 L = LCP  
 OPERATING TEMPERATURE: -40 °C TO +125°C  
 PROCESSING TEMP: 260°C MAX FOR 10 SECONDS

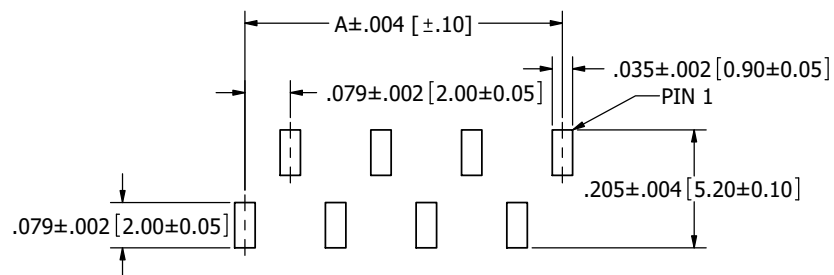


02-20, .008 [0.20] MAX.  
 21-40, .012 [0.30] MAX.

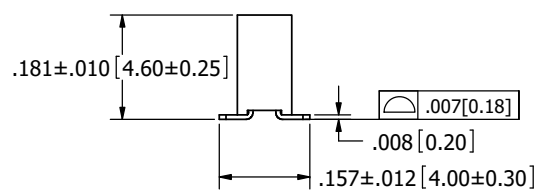
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
E	2515	UPDATE CONTACT POINT DIST TO REF, ADD NOTE 11 MATING PARTS	01/16/2012	LH
F	2829	ADD INSULATOR MATERIAL 'LCP' AND 'C' PLATING OPTIONS, UPDATE OPERATING TEMPERATURE	12/10/2014	LH/JHSU
H	4502	CHANGE PIN 1 LABEL FROM LEFT TO RIGHT	5/16/2022	JH



**RECOMMENDED PCB LAYOUT - FOR PN: xPxNxx1BFLC-RC**

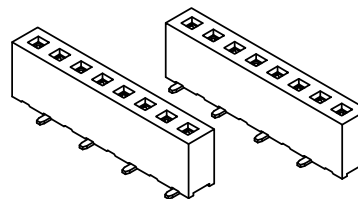


**RECOMMENDED PCB LAYOUT - FOR PN: xPxNxx1BFLD-RC**



**NOTES:**

- INSULATOR MATERIAL: SEE PART NUMBER CODING
- CONTACT MATERIAL: PHOSPHOR BRONZE
- CONTACT PLATING: SEE PART NUMBER CODING
- CURRENT RATING: 2 AMPS
- VOLTAGE RATING: 150 V AC/DC
- INSULATOR RESISTANCE: 1000 MEGOHMS MIN
- CONTACT RESISTANCE: 20 MILLIOHMS MAX
- DIELECTRIC WITHSTANDING: 500 VAC
- OPERATING TEMPERATURE: SEE PART NUMBER CODING
- PROCESSING TEMP. : SEE PART NUMBER CODING
- FOR ODD NUMBER POSITIONS, MOUNTING STYLES CAN BE EITHER 'C' OR 'D'
- MATES WITH SULLINS .079 [2.00] CONTACT CENTER MALE HEADER SERIES (.020 [0.50] SQUARE POSTS)



RoHS COMPLIANT

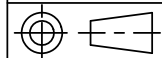
UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES (MM)

TOLERANCES:  
 ANGULAR: ± 5°

DECIMALS  
 X=± .012 [ .3]  
 XX=± .008 [ .20]  
 XXX=± .006 [ .15]

DRAWN	DATE	NAME
	01/10/2009	JH

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TITLE  
**HEADER, FEMALE, 2mm CC, 1 ROW, SMT**  
 PART NUMBER  
**xPxNxx1BFLx-RC**

SIZE	CAGE CODE	DWG. NO.	REV
C	54453		H
SCALE: 12:1			SHEET 1 OF 1