

| POSITIONS/<br>CONTACTS | A     |       | B     |        | C     |       |
|------------------------|-------|-------|-------|--------|-------|-------|
|                        | INCH  | MM    | INCH  | MM     | INCH  | MM    |
| 02/04                  | 0.100 | 2.54  | 0.220 | 5.58   | N/A   | N/A   |
| 03/06                  | 0.200 | 5.08  | 0.320 | 8.12   | 0.100 | 2.54  |
| 04/08                  | 0.300 | 7.62  | 0.420 | 10.66  | 0.200 | 5.08  |
| 05/10                  | 0.400 | 10.16 | 0.520 | 13.20  | 0.300 | 7.62  |
| 06/12                  | 0.500 | 12.70 | 0.620 | 15.74  | 0.400 | 10.16 |
| 07/14                  | 0.600 | 15.24 | 0.720 | 18.28  | 0.500 | 12.70 |
| 08/16                  | 0.700 | 17.78 | 0.820 | 20.82  | 0.600 | 15.24 |
| 09/18                  | 0.800 | 20.32 | 0.920 | 23.36  | 0.700 | 17.78 |
| 10/20                  | 0.900 | 22.86 | 1.020 | 25.90  | 0.800 | 20.32 |
| 11/22                  | 1.000 | 25.40 | 1.120 | 28.44  | 0.900 | 22.86 |
| 12/24                  | 1.100 | 27.94 | 1.220 | 30.98  | 1.000 | 25.40 |
| 13/26                  | 1.200 | 30.48 | 1.320 | 33.52  | 1.100 | 27.94 |
| 14/28                  | 1.300 | 33.02 | 1.420 | 36.06  | 1.200 | 30.48 |
| 15/30                  | 1.400 | 35.56 | 1.520 | 38.60  | 1.300 | 33.02 |
| 16/32                  | 1.500 | 38.10 | 1.620 | 41.14  | 1.400 | 35.56 |
| 17/34                  | 1.600 | 40.64 | 1.720 | 43.68  | 1.500 | 38.10 |
| 18/36                  | 1.700 | 43.18 | 1.820 | 46.22  | 1.600 | 40.64 |
| 19/38                  | 1.800 | 45.72 | 1.920 | 48.76  | 1.700 | 43.18 |
| 20/40                  | 1.900 | 48.26 | 2.020 | 51.30  | 1.800 | 45.72 |
| 21/42                  | 2.000 | 50.80 | 2.120 | 53.84  | 1.900 | 48.26 |
| 22/44                  | 2.100 | 53.34 | 2.220 | 56.38  | 2.000 | 50.80 |
| 23/46                  | 2.200 | 55.88 | 2.320 | 58.92  | 2.100 | 53.34 |
| 24/48                  | 2.300 | 58.42 | 2.420 | 61.46  | 2.200 | 55.88 |
| 25/50                  | 2.400 | 60.96 | 2.520 | 64.00  | 2.300 | 58.42 |
| 26/52                  | 2.500 | 63.50 | 2.620 | 66.54  | 2.400 | 60.96 |
| 27/54                  | 2.600 | 66.04 | 2.720 | 69.08  | 2.500 | 63.50 |
| 28/56                  | 2.700 | 68.58 | 2.820 | 71.62  | 2.600 | 66.04 |
| 29/58                  | 2.800 | 71.12 | 2.920 | 74.16  | 2.700 | 68.58 |
| 30/60                  | 2.900 | 73.66 | 3.020 | 76.70  | 2.800 | 71.12 |
| 31/62                  | 3.000 | 76.20 | 3.120 | 79.24  | 2.900 | 73.66 |
| 32/64                  | 3.100 | 78.74 | 3.220 | 81.78  | 3.000 | 76.20 |
| 33/66                  | 3.200 | 81.28 | 3.320 | 84.32  | 3.100 | 78.74 |
| 34/68                  | 3.300 | 83.82 | 3.420 | 86.86  | 3.200 | 81.28 |
| 35/70                  | 3.400 | 86.36 | 3.520 | 89.40  | 3.300 | 83.82 |
| 36/72                  | 3.500 | 88.90 | 3.620 | 91.94  | 3.400 | 86.36 |
| 37/74                  | 3.600 | 91.44 | 3.720 | 94.48  | 3.500 | 88.90 |
| 38/76                  | 3.700 | 93.98 | 3.820 | 97.02  | 3.600 | 91.44 |
| 39/78                  | 3.800 | 96.52 | 3.920 | 99.56  | 3.700 | 93.98 |
| 40/80                  | 3.900 | 99.06 | 4.020 | 102.10 | 3.800 | 96.52 |

- NOTES:
1. INSULATOR MATERIAL: NYLON 6T, UL 94V-0.
  2. CONTACT MATERIAL: PHOSPHOR BRONZE.
  3. CONTACT PLATING: SEE PART NUMBER CODING.
  4. CURRENT RATING: 3 AMPS
  5. VOLTAGE RATING: 250V AC/DC
  6. INSULATOR RESISTANCE: 5000 MEGOHMS MIN.
  7. CONTACT RESISTANCE: 20 MILLIOHMS MAX.
  8. DIELECTRIC WITHSTANDING: AC 500V.
  9. OPERATING TEMPERATURE: -40° C TO +125° C.
  - 10.\*MAX PROCESSING TEMP.: 230° C FOR 30 - 60 SECONDS (260° C FOR 10 SECONDS).

\*INDICATED TEMPERATURE AND TIME IS FOR COMPONENT INSULATOR. HIGHER PROCESSING TEMPERATURES MAY BE USED, PROVIDED HEAT IS APPLIED FROM BACK SIDE OF PCB, AND INSULATOR DOES NOT EXCEED INDICATED TEMPERATURE AND TIME.

PART NUMBER CODING

NPxCxx2KFMx-RC

MOUNTING STYLES

P = SURFACE MOUNT W/ GUIDE POSTS

S = SURFACE MOUNT W/O GUIDE POSTS

NUMBER OF POSITIONS

(CONTACTS PER ROW, 2 THRU 40)

PLATING

P = GOLD FLASH OVERALL.

G = .000010" GOLD ON CONTACT SURFACE,

GOLD FLASH ON TERMINATION.

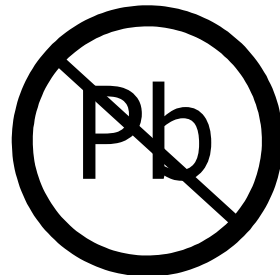
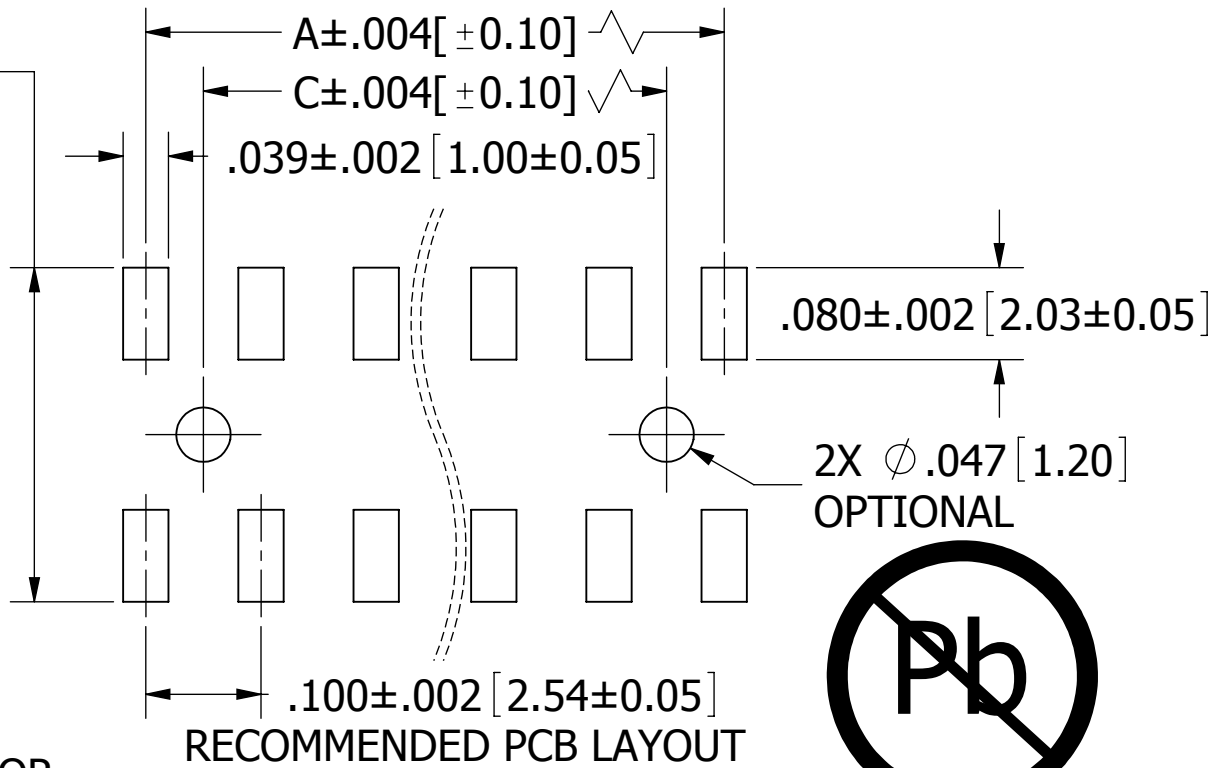
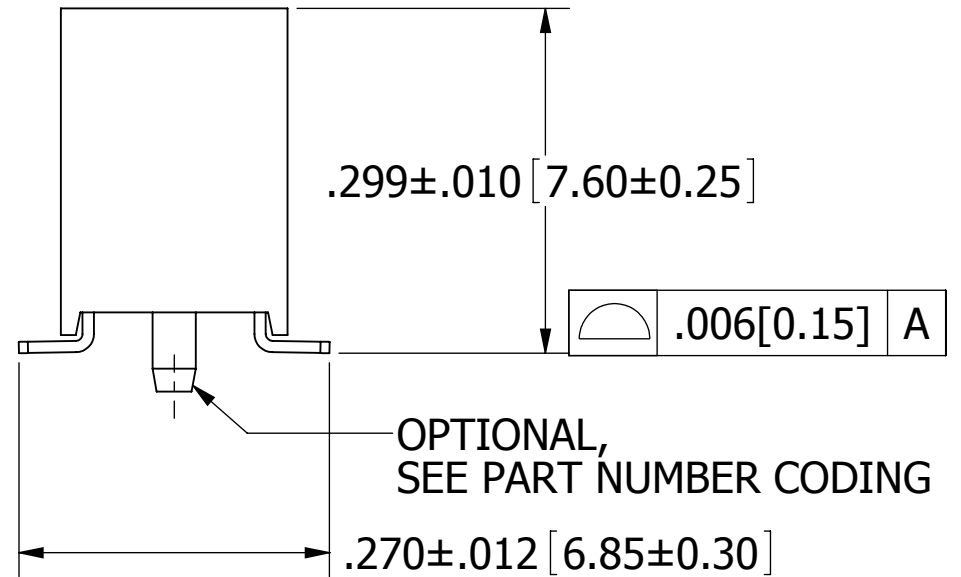
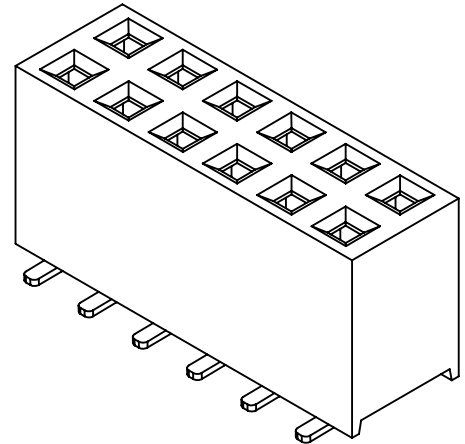
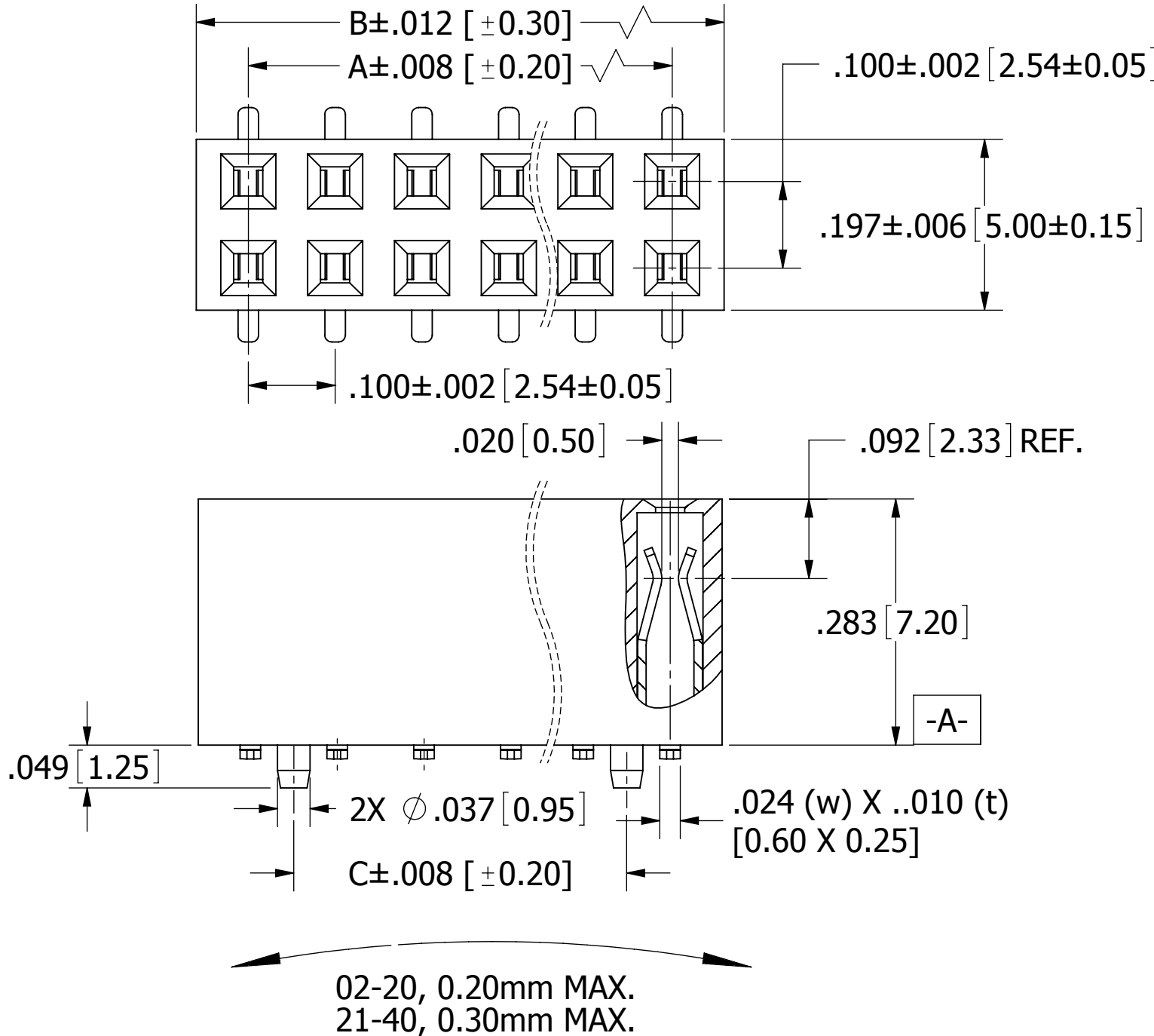
Y = .000030" GOLD ON CONTACT SURFACE,

GOLD FLASH ON TERMINATION.

T = TIN OVERALL.

C = .000030" GOLD ON CONTACT SURFACE,

.000100" TIN ON TERMINATION.



RoHS COMPLIANT

| REVISIONS |         |                                                                                                                                                                             |            |    |
|-----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----|
| REV.      | ECO. NO | DESCRIPTION                                                                                                                                                                 | DATE       | BY |
| E         | 1935    | ADD PLATING CODE                                                                                                                                                            | 3/20/2009  | JH |
| F         | 2055    | ADD CONTACT POINT DISTANCE 2.33mm, UPDATE PCB LAYOUT DIM., INSULATOR HEIGHT 7.20mm WAS 7.10, OVERALL HEIGHT 7.60mm WAS 7.50mm, TAIL LENGTH 6.85mm WAS 6.80, ADD 'C' PLATING | 11/13/2009 | LH |
| G         | 2164    | ADD FRONT VIEW AND RIGHT VIEW GEOMETRIC TOLERANCE, CORRECT TOP VIEW AND ISO VIEW                                                                                            | 07/28/2010 | LH |

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES[MM]

TOLERANCES:

ANGULAR: ± 5°

.XX=± .01 [.2]

.XXX=± .006 [.15]

SURFACE FINISH: 63 Ra

REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC

TOLERANCING PER: ANSI Y14.5M-1994

DRAWN 12/4/2008 JH

DATE NAME

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DESCRIPTION

HEADER FEMALE, 2.54mm CC, 2 ROWS, SMT

PART NUMBER

NPxCxx2KFMx-RC

SIZE DWG. NO.

C 10488

SCALE: 12:1

SHEET 1 OF 1



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NPxCxx2KFMx-RC

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SCALE: 12:1

SHEET 1 OF 1