

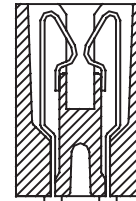


## 1.00 mm [.039"] Contact Centers, 15.49 mm Insulator Height Dip Solder/Card Extender/SMT

### SPECIFICATIONS

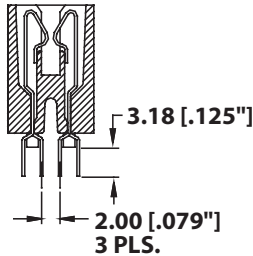
- Accommodates 1.57 mm  $\pm$  .20 [.062"  $\pm$  .008"] PC board
- PPS or PA9T insulator
- Molded-in key available
- 1 amp current rating per contact
- Highly reliable high cycle hairpin bellow contacts
- 150 grams normal force minimum

### READOUT

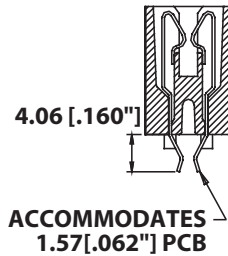


DUAL (D)

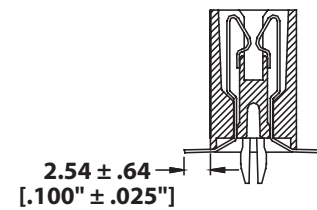
### TERMINATION TYPE



STAGGERED DIP SOLDER  
(HH)

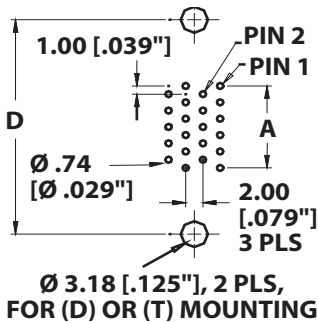


CARD EXTENDER  
(HR)

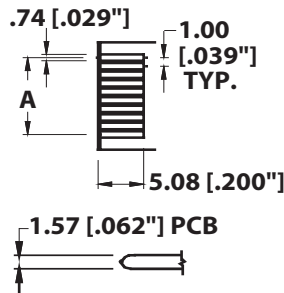


SURFACE MOUNT  
(HF)

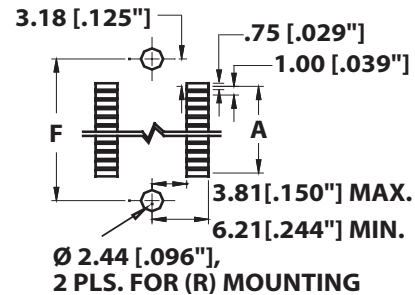
### PCB LAYOUT



CONNECTOR SIDE (HH)

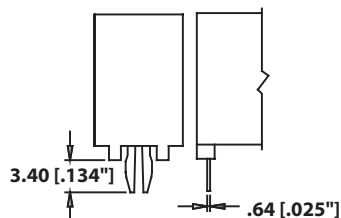


SOLDER END (HR)



CONNECTOR SIDE (HF)

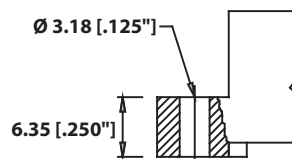
### MOUNTING STYLE



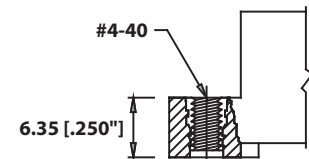
BOARD LOCK (R)



NO MOUNTING EARS (N)



FLUSH MOUNTING (D)



THREADED INSERT (T)

# 1.00 mm [.039"] Contact Centers, 15.49mm Insulator Height Dip Solder/Card Extender/SMT



## PART NUMBER CODING

### MATERIALS (INSULATOR/CONTACT)

R = PPS/Phosphor Bronze  
G = PA9T/Phosphor Bronze  
A = PPS/Beryllium Copper  
J = PA9T/Beryllium Copper

### CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

#### Contact Surface

B = .000010" Gold  
C = .000030" Gold

#### Termination

.000100" Pure Tin, Matte  
.000100" Pure Tin, Matte

### CONTACT CENTERS

E = 1.00mm [.039"]

G B E 50 D HH D - Sxxx

MODIFICATION CODE (Consult Factory)  
OMIT FOR STANDARD

### MOUNTING STYLE (Opposite Page)

D = Flush Mounting  
N = No Mounting  
R = Metal Board Lock  
T = Flush Mounting, #4-40 Threaded Insert

### TERMINATION TYPE (Opposite Page)

HH = Staggered Dip Solder  
HR = Card Extender  
HF = Surface Mount

### READOUT (Opposite Page)

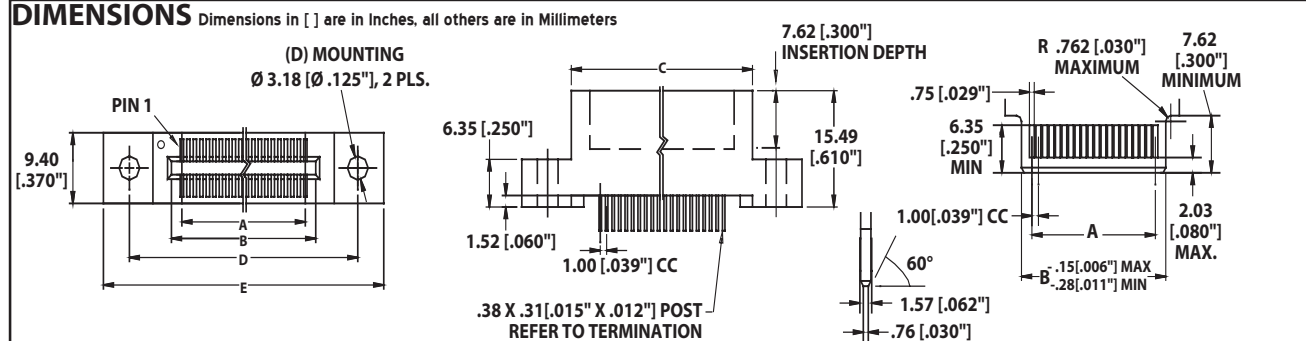
D = Dual

### NUMBER OF CONTACT POSITIONS

See Chart Below

## DIMENSIONS

Dimensions in [ ] are in Inches, all others are in Millimeters



| POSITIONS/<br>CONTACTS | MILLIMETERS |           |           |           |           |           | [INCHES]   |            |            |            |            |            |
|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
|                        | A<br>±.13   | B<br>±.13 | C<br>±.38 | D<br>±.25 | E<br>±.51 | F<br>±.25 | A<br>±.005 | B<br>±.005 | C<br>±.015 | D<br>±.010 | E<br>±.020 | F<br>±.010 |
| 02/04*                 | 1.00        | 4.32      | 9.89      | 17.15     | 25.13     | 7.35      | 0.039      | 0.170      | 0.389      | 0.675      | 0.989      | 0.289      |
| 03/06*                 | 2.00        | 5.32      | 10.89     | 18.15     | 26.13     | 8.35      | 0.079      | 0.210      | 0.429      | 0.715      | 1.029      | 0.329      |
| 04/08*                 | 3.00        | 6.32      | 11.89     | 19.15     | 27.13     | 9.35      | 0.118      | 0.249      | 0.468      | 0.754      | 1.068      | 0.368      |
| 05/10                  | 4.00        | 7.32      | 12.89     | 20.15     | 28.13     | 10.35     | 0.157      | 0.288      | 0.507      | 0.793      | 1.107      | 0.407      |
| 06/12                  | 5.00        | 8.32      | 13.89     | 21.15     | 29.13     | 11.35     | 0.197      | 0.328      | 0.547      | 0.833      | 1.147      | 0.447      |
| 07/14                  | 6.00        | 9.32      | 14.89     | 22.15     | 30.13     | 12.35     | 0.236      | 0.367      | 0.586      | 0.872      | 1.186      | 0.486      |
| 08/16                  | 7.00        | 10.32     | 15.89     | 23.15     | 31.13     | 13.35     | 0.276      | 0.407      | 0.626      | 0.912      | 1.226      | 0.526      |
| 09/18                  | 8.00        | 11.32     | 16.89     | 24.15     | 32.13     | 14.35     | 0.315      | 0.446      | 0.665      | 0.951      | 1.265      | 0.565      |
| 10/20                  | 9.00        | 12.32     | 17.89     | 25.15     | 33.13     | 15.35     | 0.354      | 0.485      | 0.704      | 0.990      | 1.304      | 0.604      |
| 11/22                  | 10.00       | 13.32     | 18.89     | 26.15     | 34.13     | 16.35     | 0.394      | 0.525      | 0.744      | 1.030      | 1.344      | 0.644      |
| 12/24                  | 11.00       | 14.32     | 19.89     | 27.15     | 35.13     | 17.35     | 0.433      | 0.564      | 0.783      | 1.069      | 1.383      | 0.683      |
| 13/26                  | 12.00       | 15.32     | 20.89     | 28.15     | 36.13     | 18.35     | 0.472      | 0.603      | 0.822      | 1.108      | 1.422      | 0.722      |
| 14/28                  | 13.00       | 16.32     | 21.89     | 29.15     | 37.13     | 19.35     | 0.512      | 0.643      | 0.862      | 1.148      | 1.462      | 0.762      |
| 15/30                  | 14.00       | 17.32     | 22.89     | 30.15     | 38.13     | 20.35     | 0.551      | 0.682      | 0.901      | 1.187      | 1.501      | 0.801      |
| 16/32                  | 15.00       | 18.32     | 23.89     | 31.15     | 39.13     | 21.35     | 0.591      | 0.722      | 0.941      | 1.227      | 1.541      | 0.841      |
| 17/34                  | 16.00       | 19.32     | 24.89     | 32.15     | 40.13     | 22.35     | 0.630      | 0.761      | 0.980      | 1.266      | 1.580      | 0.880      |
| 18/36                  | 17.00       | 20.32     | 25.89     | 33.15     | 41.13     | 23.35     | 0.669      | 0.800      | 1.019      | 1.305      | 1.619      | 0.919      |
| 19/38                  | 18.00       | 21.32     | 26.89     | 34.15     | 42.13     | 24.35     | 0.709      | 0.840      | 1.059      | 1.345      | 1.659      | 0.959      |
| 20/40                  | 19.00       | 22.32     | 27.89     | 35.15     | 43.13     | 25.35     | 0.748      | 0.879      | 1.098      | 1.384      | 1.698      | 0.998      |
| 21/42                  | 20.00       | 23.32     | 28.89     | 36.15     | 44.13     | 26.35     | 0.787      | 0.918      | 1.137      | 1.423      | 1.737      | 1.037      |
| 22/44                  | 21.00       | 24.32     | 29.89     | 37.15     | 45.13     | 27.35     | 0.827      | 0.958      | 1.177      | 1.463      | 1.777      | 1.077      |
| 23/46                  | 22.00       | 25.32     | 30.89     | 38.15     | 46.13     | 28.35     | 0.866      | 0.997      | 1.216      | 1.502      | 1.816      | 1.116      |
| 24/48                  | 23.00       | 26.32     | 31.89     | 39.15     | 47.13     | 29.35     | 0.906      | 1.037      | 1.256      | 1.542      | 1.856      | 1.156      |
| 25/50                  | 24.00       | 27.32     | 32.89     | 40.15     | 48.13     | 30.35     | 0.945      | 1.076      | 1.295      | 1.581      | 1.895      | 1.195      |
| 26/52                  | 25.00       | 28.32     | 33.89     | 41.15     | 49.13     | 31.35     | 0.984      | 1.115      | 1.334      | 1.620      | 1.934      | 1.234      |
| 27/54                  | 26.00       | 29.32     | 34.89     | 42.15     | 50.13     | 32.35     | 1.024      | 1.155      | 1.374      | 1.660      | 1.974      | 1.274      |
| 28/56                  | 27.00       | 30.32     | 35.89     | 43.15     | 51.13     | 33.35     | 1.063      | 1.194      | 1.413      | 1.699      | 2.013      | 1.313      |
| 29/58                  | 28.00       | 31.32     | 36.89     | 44.15     | 52.13     | 34.35     | 1.102      | 1.233      | 1.452      | 1.738      | 2.052      | 1.352      |
| 30/60                  | 29.00       | 32.32     | 37.89     | 45.15     | 53.13     | 35.35     | 1.142      | 1.273      | 1.492      | 1.778      | 2.092      | 1.392      |
| 31/62                  | 30.00       | 33.32     | 38.89     | 46.15     | 54.13     | 36.35     | 1.181      | 1.312      | 1.531      | 1.817      | 2.131      | 1.431      |
| 32/64                  | 31.00       | 34.32     | 39.89     | 47.15     | 55.13     | 37.35     | 1.220      | 1.351      | 1.570      | 1.856      | 2.170      | 1.470      |
| 33/66                  | 32.00       | 35.32     | 40.89     | 48.15     | 56.13     | 38.35     | 1.260      | 1.391      | 1.610      | 1.896      | 2.210      | 1.510      |
| 34/68                  | 33.00       | 36.32     | 41.89     | 49.15     | 57.13     | 39.35     | 1.299      | 1.430      | 1.649      | 1.935      | 2.249      | 1.549      |
| 35/70                  | 34.00       | 37.32     | 42.89     | 50.15     | 58.13     | 40.35     | 1.339      | 1.470      | 1.689      | 1.975      | 2.289      | 1.589      |
| 36/72                  | 35.00       | 38.32     | 43.89     | 51.15     | 59.13     | 41.35     | 1.378      | 1.509      | 1.728      | 2.014      | 2.328      | 1.628      |
| 37/74                  | 36.00       | 39.32     | 44.89     | 52.15     | 60.13     | 42.35     | 1.417      | 1.548      | 1.767      | 2.053      | 2.367      | 1.667      |
| 38/76                  | 37.00       | 40.32     | 45.89     | 53.15     | 61.13     | 43.35     | 1.457      | 1.588      | 1.807      | 2.093      | 2.407      | 1.707      |
| 39/78                  | 38.00       | 41.32     | 46.89     | 54.15     | 62.13     | 44.35     | 1.496      | 1.627      | 1.846      | 2.132      | 2.446      | 1.746      |
| 40/80                  | 39.00       | 42.32     | 47.89     | 55.15     | 63.13     | 45.35     | 1.535      | 1.666      | 1.885      | 2.171      | 2.485      | 1.785      |
| 41/82                  | 40.00       | 43.32     | 48.89     | 56.15     | 64.13     | 46.35     | 1.575      | 1.706      | 1.925      | 2.211      | 2.525      | 1.825      |
| 42/84                  | 41.00       | 44.32     | 49.89     | 57.15     | 65.13     | 47.35     | 1.614      | 1.745      | 1.964      | 2.250      | 2.564      | 1.864      |
| 43/86                  | 42.00       | 45.32     | 50.89     | 58.15     | 66.13     | 48.35     | 1.654      | 1.785      | 2.004      | 2.290      | 2.604      | 1.904      |
| 44/88                  | 43.00       | 46.32     | 51.89     | 59.15     | 67.13     | 49.35     | 1.693      | 1.824      | 2.043      | 2.329      | 2.643      | 1.943      |
| 45/90                  | 44.00       | 47.32     | 52.89     | 60.15     | 68.13     | 50.35     | 1.732      | 1.863      | 2.082      | 2.368      | 2.682      | 1.982      |
| 46/92                  | 45.00       | 48.32     | 53.89     | 61.15     | 69.13     | 51.35     | 1.772      | 1.903      | 2.122      | 2.408      | 2.722      | 2.022      |
| 47/94                  | 46.00       | 49.32     | 54.89     | 62.15     | 70.13     | 52.35     | 1.811      | 1.942      | 2.161      | 2.447      | 2.761      | 2.061      |
| 48/96                  | 47.00       | 50.32     | 55.89     | 63.15     | 71.13     | 53.35     | 1.850      | 1.981      | 2.200      | 2.486      | 2.800      | 2.100      |
| 49/98                  | 48.00       | 51.32     | 56.89     | 64.15     | 72.13     | 54.35     | 1.890      | 2.021      | 2.240      | 2.526      | 2.840      | 2.140      |
| 50/100                 | 49.00       | 52.32     | 57.89     | 65.15     | 73.13     | 55.35     | 1.929      | 2.060      | 2.279      | 2.565      | 2.879      | 2.179      |

\* Consult Factory For Availability