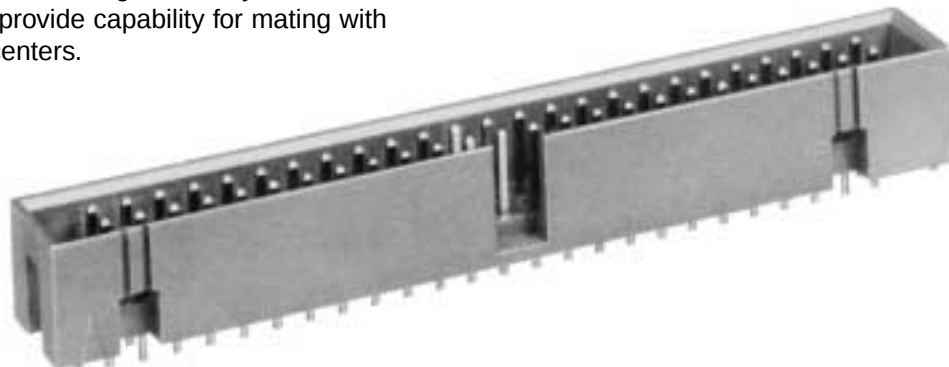


# Low-Profile Box Headers

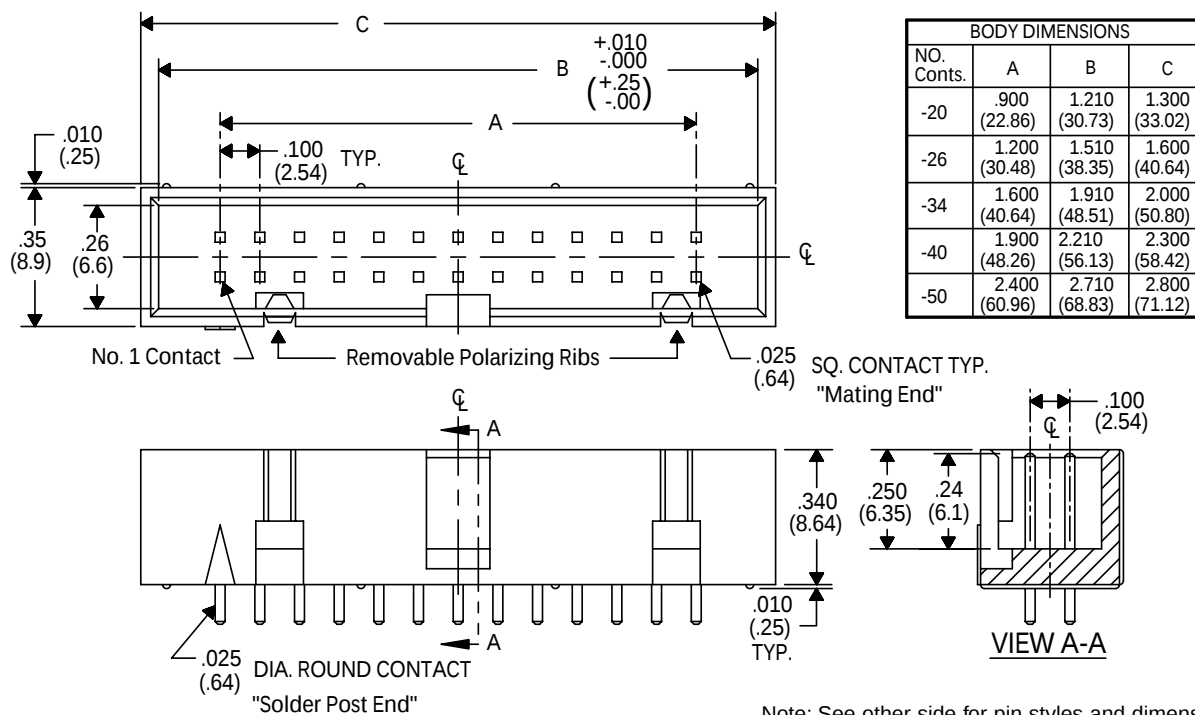
Designed to mate with all standard female sockets, with or without center polarizing bump, these completely shrouded, low profile headers reduce height and board area by as much as 50%. Available in straight and right angle solder pins for 1/16" and 1/8" PC boards, and also edgeboard styles. Removable polarization ribs provide capability for mating with all sockets on .100" x .100" centers.



## Materials and Operating Standards

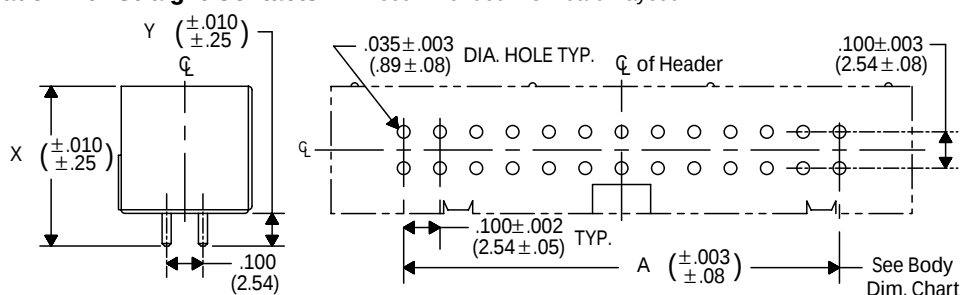
### Specifications:

- Contacts: phosphor bronze standard
- Contact Plating: Selective plated, 30μ in. gold (in mating area) over 50μ in. nickel, standard
- Insulator Material: UL 94V-0 flame - retardant thermoplastic
- Color: blue
- Operating Temperature: -55°C to +125°C
- Current Rating: 1A (maximum) per contact
- Dielectric Withstand Voltage: greater than 500 Vdc at sea level
- Insulation Resistance: greater than 5 x 10<sup>9</sup> ohms



### Box Header with Straight Contacts

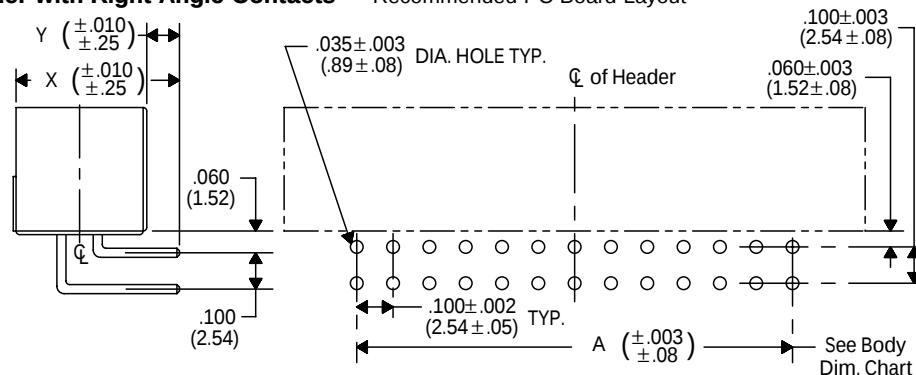
## Recommended PC Board Layout



| TERMINAL OPTION CHART |                 |                |
|-----------------------|-----------------|----------------|
| P.C.B.<br>THK.        | X               | Y              |
| .062<br>(1.57)        | .440<br>(11.18) | .09<br>(2.3)   |
| .125<br>(3.18)        | .505<br>(12.33) | .155<br>(3.94) |

### Box Header with Right Angle Contacts

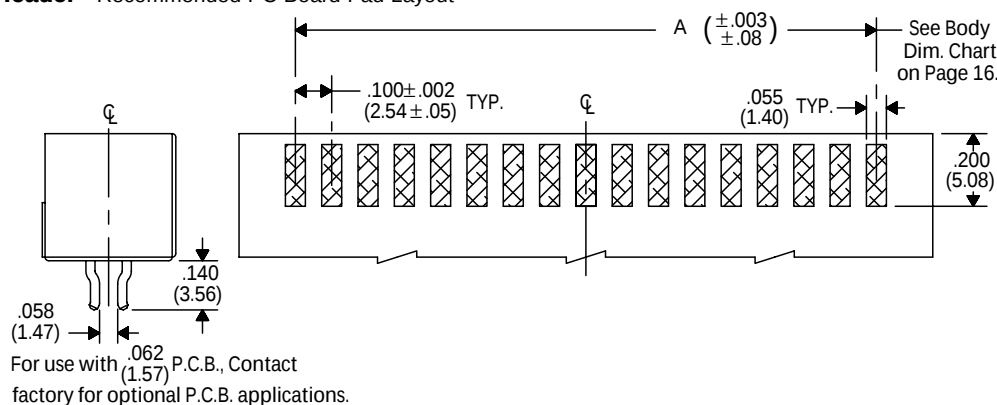
### Recommended PC Board Layout



| TERMINAL OPTION CHART |                 |                |
|-----------------------|-----------------|----------------|
| P.C.B.<br>THK.        | X               | Y              |
| .062<br>(1.57)        | .450<br>(11.43) | .09<br>(2.3)   |
| .125<br>(3.18)        | .515<br>(13.08) | .155<br>(3.94) |

## Edgeboard Box Header

## Recommended PC Board Pad Layout



## How to Order Low Profile Box Headers

Type of Connector

33=Straight or Right Angle  
Polarized Header

43=Straight or Right Angle  
Non-Polarized Header

53=Edgeboard Header, Polarized

53=Edgeboard Header,  
Non-Polarized

## Pin Configuration

0=Right Angle Solder Pins,  
.090" long (1/16" PCB)

1=Right Angle Solder Pins,  
.155" long (1/8" PCB)

5=Straight Solder Pins, .090" long (1/16" PCB)

6=Straight Solder Pins, .155"  
long (1/8" PCB)

8=Straight Solder Pins, .140"  
long for Edgeboard Header  
(1/16" PCB)

**CWN-XXX-XX-XXXX**

## Plating

0021=Selective plated, 30μ in. gold (in mating area)  
over 50μ in. nickel (standard)

0000=Selective plated,10μ in. gold (in mating area)  
over 50μ in. nickel (optional)

0077=Duplex plated, 30μ in. gold in mating area,  
100μ in. tin-lead in solder pin area, all over  
50μ in. nickel (optional)

Other platings available. Consult factory.

Number of Contacts  
(20, 26, 34, 40, 50)