



J14 Series J14A Metal Shell 20pin Micro-D MIL-Spec  
Female Socket, Straight PCB Mount, extended version  
J14A-20ZK3B

Part Number:

**J14A-20ZK3B**

### Basic Information

|                          |               |
|--------------------------|---------------|
| Color                    | Primary Color |
| Connector Type           | Socket        |
| Contact Termination      | PCB Mount     |
| Contact Type             | Female        |
| Contact Size             | 0.8           |
| Mounting Type            | Panel Mount   |
| Number of Cores          | 20            |
| Number of Interface Rows | 3             |
| Orientation              | Straight      |

### Environmental Specification

|                       |                 |
|-----------------------|-----------------|
| Operating Temperature | -55°C to +125°C |
|-----------------------|-----------------|

### Material Specification

|                  |                |
|------------------|----------------|
| Contact Plating  | Gold-plated    |
| Housing Material | Aluminum Alloy |
| Housing Plating  | Nickel-plated  |

### Electrical Specification

|                              |                    |
|------------------------------|--------------------|
| Contact Resistance           | $\leq 10M\Omega$   |
| Insulation Resistance        | $\geq 2000M\Omega$ |
| Rated Current                | 3A                 |
| Withstand Dielectric Voltage | 800V               |

## Mechanical Specification

Mounting Feature

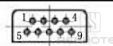
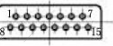
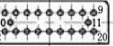
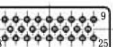
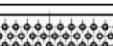
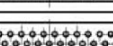
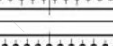
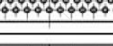
Flange

## How to Order

### Part Number Structure: J14A-38ZK1B2

|     |                                                                                                                                                                                                                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J   | <b>Series Prefix</b><br>Product series designation code.                                                                                                                                                                                                                                         |
| 14  | <b>Design Series Number</b><br>Identifies the design series of the connector.                                                                                                                                                                                                                    |
| A   | <b>Modification / Revision Code</b><br>Indicates the modification or variant revision of the base design.                                                                                                                                                                                        |
| -38 | <b>Number of Contacts</b><br>Total contact position count (e.g. -38 = 38 contacts).                                                                                                                                                                                                              |
| Z   | <b>Connector Type</b><br>Z = Receptacle (socket housing)   T = Plug (pin housing)                                                                                                                                                                                                                |
| K   | <b>Contact Type</b><br>K = Socket contact (female)   J = Pin contact (male)                                                                                                                                                                                                                      |
| 1   | <b>Termination Style</b> <ul style="list-style-type: none"> <li>Plug: Always solder cable type (unmarked)</li> <li>Receptacle: Unmarked = Solder cable type</li> <li>1 = Right-angle (90°) PCB mount type</li> <li>2, 3 = Straight PCB mount type (3 = extended / lengthened version)</li> </ul> |
| B   | <b>Mounting Style</b><br>Receptacle only, not marked for plug. B = Panel mount   L = Cable clamp flange type                                                                                                                                                                                     |
| 2   | <b>Flange Type</b><br>Receptacle only, not marked for plug. <ul style="list-style-type: none"> <li>Unmarked = Standard horizontal mounting flange</li> <li>1 = Standard horizontal mounting flange with conduit / tube</li> <li>2 = Side-mounting flange</li> </ul>                              |

## Contact Layout

| Contacts | Plug                                                                                | Receptacle                                                                           |
|----------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 9        |  |  |
| 15       |  |  |
| 20       |  |  |
| 26       |  |  |
| 38       |  |  |
| 51       |  |  |
| 62       |  |  |
| 74       |  |  |
| 101      |  |  |

## Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.