

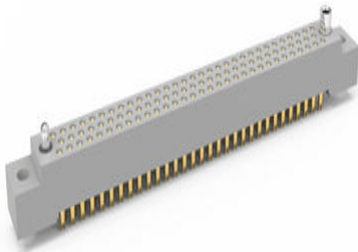


**Part Number :** [WG80SAD11SY-8](#)

**Product Description :** AirBorn W Series Rectangular Board Mount Receptacle with Socket Contacts, Vertical, Through Hole, 3 Rows, 0.100"/2.54mm Pitch, 0.172" Tail Length, Plastic Body, Guide Set, Polarization 8, with Mounting Ears, 80 Circuits

**Status :** Active

**Product Category :** Board-to-Board Connectors



## Documents and Resources

### Specifications

[Materials Specification](#)

[Performance Specification](#)

[Solder Cup Adapter Sleeve, Coax Removal Tool, Extension Nuts](#)

[Nut Spanner Wrenches, Insertion & Removal Tools, Crimp Tools & Positioners](#)

[Contacts \(WT, WTA, WTB, WTK, WG, WGA\)](#)

[Hardware Availability \(pg 1\)](#)

[Hardware Availability \(pg 2\)](#)

[Polarizing Pin Applications](#)

[Face Seal Gaskets \(WG-WGA-WGE Series\)](#)

[Dimensional Information](#)

[Part Number Buildup](#)

## Part Details

### General

|             |                                                                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status      | Active                                                                                                                                                                      |
| Category    | Board-to-Board Connectors                                                                                                                                                   |
| Description | AirBorn W Series Rectangular Board Mount Receptacle with Socket Contacts, Vertical, Through Hole, 3 Rows, 0.100"/2.54mm Pitch, 0.172" Tail Length, Plastic Body, Guide Set, |

|                |                                                   |
|----------------|---------------------------------------------------|
|                | Polarization 8, with Mounting Ears, 80 Circuits   |
| Application    | Board-to-Board, Wire-to-Board                     |
| Comments       | Socket, Straight, Through Hole, .172" x .027" dia |
| Component Type | Receptacle                                        |
| Contact Type   | Socket                                            |
| Product Name   | AirBorn W Series                                  |
| Series         | W Series                                          |

## Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 5.0A  |
| Voltage - Maximum             | 1000V |

## Physical

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 80                    |
| Circuits (maximum)             | 80                    |
| Color - Resin                  | Gray                  |
| Durability (mating cycles max) | 500                   |
| Glow-Wire Capable              | No                    |
| Guide to Mating Part           | Guide Set             |
| Keying to Mating Part          | Yes                   |
| Lock to Mating Part            | No                    |
| Material - Plating Mating      | Gold                  |
| Material - Shell               | Polyphenylene Sulfide |
| Number of Rows                 | 3                     |
| Orientation                    | Vertical              |
| Packaging Type                 | Tray                  |
| PCB Retention                  | Yes                   |
| PC Tail Length                 | 0.172"                |
| Pitch - Mating Interface       | 0.100" (2.54mm)       |
| Pitch - Termination Interface  | 0.100" (2.54mm)       |
| Plating min - Mating           | 50μ"                  |
| Polarization                   | 8                     |
| Polarized to Mating Part       | Yes                   |

|                               |                |
|-------------------------------|----------------|
| Stackable                     | No             |
| Temperature Range - Operating | -65° to +125°C |
| Termination Interface Style   | Through Hole   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                               |
|---------------------------------------------------------------------------|
| <u>Rectangular, Plastic, 3 Row, Right Angle Board or Cable Mount Plug</u> |
| <u>Rectangular, Plastic, 3 Row, Vertical Board or Cable Mount Plug</u>    |
| <u>Rectangular, Plastic, 3 Row, Crimp Removable Cable Mount Plug</u>      |
| <u>Rectangular, Plastic, 3 Row, Crimp Removable Cable Mount Plug</u>      |