



Part Number : [WTB54SAD11SY-1](#)

Product Description : AirBorn W Series Rectangular Board Mount Receptacle with Socket Contacts, Vertical, Through Hole, Dual Row, 0.100"/2.54mm Pitch, 0.172" Tail Length, Plastic Body, Guide Set, Polarization 1, with Mounting Ears, 54 Circuits

Status : Active

Product Category : Board-to-Board Connectors

Documents and Resources

Specifications

[Materials Specification](#)

[Performance Specification](#)

[Floating Mounts for WTB-WTK Receptacles](#)

[Floating Mounts for WTB-WTK Receptacles](#)

[Face Seal Gaskets \(WTA-WTB Series\)](#)

[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](#)

[Dimensional Information](#)

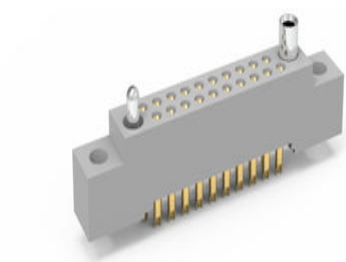
[Hardware Dimensions \(Guide\)](#)

[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, Dual Row, 0.100"/2.54mm Pitch, 0.172" Tail Length, Plastic Body, Guide Set, Polarization 1, with Mounting Ears, 54 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)	54
Circuits (maximum)	54
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	2
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	1
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-65° to +125°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description
<u>Rectangular, Plastic, 2 Row, Vertical Board or Cable Mount Plug</u>
<u>Rectangular, Plastic, 2 Row, Vertical Board or Cable Mount Plug</u>
<u>Rectangular, Plastic, 2 Row, Right Angle Board or Cable Mount Plug</u>
<u>Rectangular, Plastic, 2 Row, Vertical Board or Cable Mount Plug</u>
<u>Rectangular, Plastic, 2 Row, Crimp Removable Cable Mount Plug</u>
<u>Rectangular, Plastic, 2 Row, Crimp Removable Cable Mount Plug</u>