

**INTRODUCTION:**

Adam Tech 2RS Series 2.00mm Receptacle Strips are offered in several sizes and profiles designed to satisfy most 2.00mm socket requirements. Available in Single and Dual rows, they are offered in Straight, Right Angle, SMT, Bottom Entry and Pass Through PCB mounting styles. Each type has a specially designed contact system which uses a wiping mating action and produces a high normal force connection with gold, tin or selective gold plating. All are available with Standard or Hi-Temp Thermoplastic insulators. Our SMT offering is available with optional pick and place pads and tape & reel packaging.

**FEATURES:**

Single and dual row in straight, right angle and SMT mounting forms  
 Top, side and bottom entry versions  
 Plated full gold, full tin or duplex plated  
 Five different body heights  
 Standard PBT insulator or optional Hi Temp insulator  
 Tape and reel packaging available

**MATING CONNECTORS:**

Adam Tech 2PH headers and all industry standard 2.0mm pin headers with a .020" [0.5mm] square pin.

**SPECIFICATIONS:**

**Material:**

Insulator: PBT, glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

**Contact Plating:**

G = Gold flash (30u" optional) over nickel underplate overall  
 SG = Gold flash (30u" optional) over nickel underplate on contact area, tin over copper underplate on tails.  
 T = Tin over copper underplate overall

**Electrical:**

Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

**Mechanical:**

Insertion force: 0.313 lbs per contact max.  
 Withdrawal force: 0.175 lbs per contact min.

**Temperature Rating:**

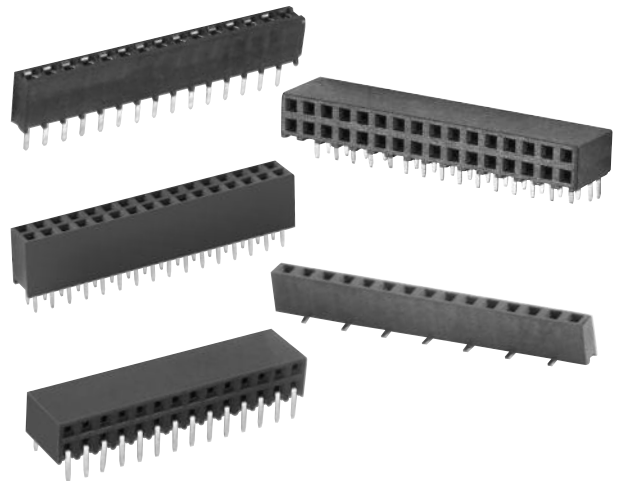
Operating temperature: -40°C to +105°C

**PACKAGING:**

Anti-ESD plastic trays  
 (Tape and Reel optional for SMT option)

**SAFETY AGENCY APPROVALS:**

UL Recognized File No. E224053  
 CSA Certified File No. LR1578596



**ORDERING INFORMATION**



**SERIES INDICATOR**

- 2RS1**= 2.00mm Single Row, Vertical Mount, Receptacle Strip
- 2RS2**= 2.00mm Dual Row, Vertical Mount, Receptacle Strip
- 2RS1R**= 2.00mm Single Row, Right Angle, Receptacle Strip
- 2RS2R**= 2.00mm Dual Row, Right Angle, Receptacle Strip
- 2RS4**= 2.00mm 4 Row, Vertical Mount, Receptacle Strip (see pg 165)
- 2RS2BR**= 2.00mm Dual Row, Right Angle, 3-Sided Contact Receptacle Strip
- 2RS1H**= 2.00mm Single Row, Vertical Mount, .248" Height Receptacle Strip
- 2RS2H**= 2.00mm Dual Row, Vertical Mount, .248" Height Receptacle Strip
- 2RS2T**= 2.00 mm Dual Row, Surface Mount, .106" Height, Top Entry Receptacle Strip
- 2RS2B**= 2.00mm Dual Row, Surface Mount, .106" Height, Bottom Entry Receptacle Strip

**PLATING**

- G** = Gold plated
- SG** = Gold plated contact area, tin plated solder tails
- T** = Tin plated

**POSITIONS**

- Single Row:** 2 thru 40
- Dual Row:** 4 thru 80
- Four Row:** 8 thru 120

**OPTIONS:**

- Add designator(s) to end of part number
- 30** = 30 pin gold plating in contact area
- SMT** = SMT leads with Hi-Temp insulator dual row
- SMT-A** = SMT Single Row Type A with Hi-Temp insulator
- SMT-B** = SMT Single Row Type B with Hi-Temp insulator
- P** = Optional guide peg on SMT version
- PP** = Pick and place pad
- HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)