

#### INTRODUCTION:

Adam Tech HRS Series .050" Receptacle Strips are offered in a multitude of sizes and profiles designed to satisfy most .050" 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 produces a high normal force connection and is available 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:

- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

#### MATING CONNECTORS:

Adam Tech HPH headers and all industry standard .050" pitch pin headers with .016" [0.4mm] square pins

#### 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: 0.375 lbs per contact max.  
 Withdrawal force: 0.125 lbs per contact min.

##### Temperature rating:

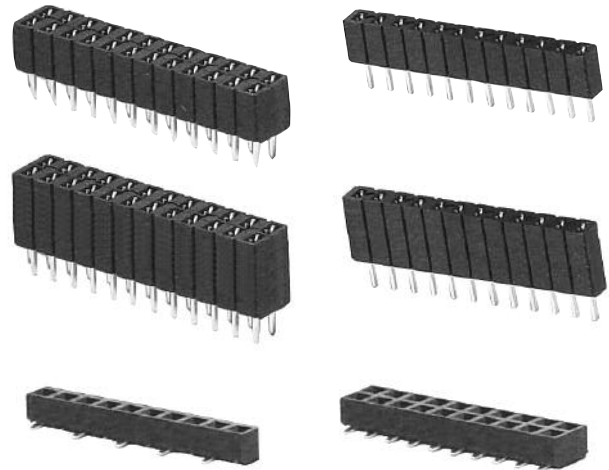
Operating temperature: -42°C to +105°C

##### PACKAGING:

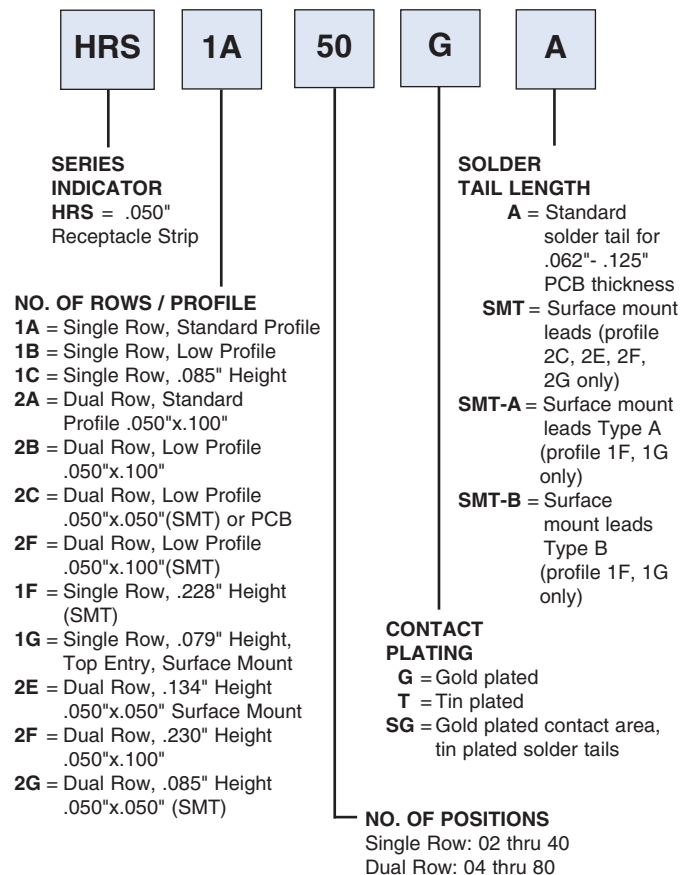
Anti-ESD trays or tubes  
 (Tape and Reel optional for SMT option)

##### SAFETY AGENCY APPROVALS:

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



### ORDERING INFORMATION



#### OPTIONS:

- Add designator(s) to end of part number
- 30 = 30 μin gold plating in contact area
  - P = Guide Pegs
  - E = End Pegs
  - 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)

