



**THE DATASHEET OF  
10129383-906001ALF**



## EconoStik™ 2.54mm Headers

### ECONOMICAL GENERAL PURPOSE VERSATILE STACKERS

EconoStik™ 2.54mm is an economical range of 2.54mm unshrouded header. It is available in single-row and double-row with vertical through-hole, right-angle through-hole, and vertical SMT terminations.

EconoStik™ 2.54mm is a standard 0.64mm square header with high-temperature resin and 1µin gold plating in contact and tail. It supports up to 50 mating cycles.

Suitable for mid-end applications, EconoStik™ 2.54mm can be used in various board-to-board applications such as industrial control, test equipment, metering, POS machines, set-top box, surveillance equipment, and vending machines.

- Single and double row options
- 0.64mm square header
- 50 mating cycles



#### TARGET MARKETS



#### FEATURES

- 0.64mm square headers
- High temperature thermoplastic
- 1µin gold contact plating and tested to 50 mating cycles
- Customized mating and tail lengths
- Custom polarization available
- RoHS compliant and lead-free

#### BENEFITS

- Consistent and better mating performance with different types of receptacles
- Reflow-compatible
- Economical option
- Application flexibility
- Design flexibility
- Meet environmental, health and safety requirements

## TECHNICAL INFORMATION

### MATERIAL

- Contact Base Metal: Brass
- Contact Area Finish: 1µin gold plating
- Solder Area Finish: 1µin gold plating
- Housing Material: High temperature thermoplastic (UL94V-0), black

### ELECTRICAL PERFORMANCE

- Insulation Resistance: 1000MΩ min.
- Low Level Contact Resistance: 20mΩ max.
- Withstanding Voltage: 1500VAC
- Current Rating: 3A continuous

### MECHANICAL PERFORMANCE

- Retention Force Between Pin and Housing: 9N per pin.
- Durability: 50 mating cycles

### ENVIRONMENTAL

- MFG Test per EIA 364-65 Class IIA, Duration 5 days (80 hours for un-mating and 40 hours for mating)
- High Temperature Life: 105°C

### SPECIFICATIONS

- Product Specification: GS-12-1223

### PACKAGING

- Poly Bag
- Tape and Reel with Pick-Up Cap

### APPROVALS AND CERTIFICATIONS

- UL E66906
- CSA LR46923

### TARGET MARKETS/APPLICATIONS





Consumer

## PART NUMBERS

| Row        | Termination  | Description        | Part Numbers |
|------------|--------------|--------------------|--------------|
| Single Row | Through Hole | Vertical Header    | 10129378     |
|            | Through Hole | Right Angle Header | 10129379     |
|            | SMT          | Vertical Header    | 10129380     |
| Double Row | Through Hole | Vertical Header    | 10129381     |
|            | Through Hole | Right Angle Header | 10129382     |
|            | SMT          | Vertical Header    | 10129383     |

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