

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: 1500V AC
- 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

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

<u>10129380-916002ALF</u>	<u>10129381-910005BLF</u>	<u>10129379-914001BLF</u>	<u>10129378-907003BLF</u>	<u>10129379-906004BLF</u>
<u>10129379-907001BLF</u>	<u>10129379-907003BLF</u>	<u>10129378-905004BLF</u>	<u>10129378-908003BLF</u>	<u>10129378-905002BLF</u>
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<u>10129378-902004BLF</u>	<u>10129378-906003BLF</u>	<u>10129378-912003BLF</u>	<u>10129378-912001BLF</u>	<u>10129379-906003BLF</u>
<u>10129379-907004BLF</u>	<u>10129379-910001BLF</u>	<u>10129379-916002BLF</u>	<u>10129378-908001BLF</u>	<u>10129378-916004BLF</u>
<u>10129378-920002BLF</u>	<u>10129379-902001BLF</u>	<u>10129379-903004BLF</u>	<u>10129379-910003BLF</u>	<u>10129378-908004BLF</u>
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<u>10129378-902002BLF</u>	<u>10129379-910004BLF</u>	<u>10129378-904004ALF</u>	<u>10129378-904001BLF</u>	<u>10129379-902003BLF</u>
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<u>10129378-920001BLF</u>	<u>10129378-936004BLF</u>	<u>10129379-902002BLF</u>	<u>10129379-916001BLF</u>	<u>10129379-916003BLF</u>
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