



Econostik™

Product Presentation

Basics Portfolio



Agenda



1. Value Proposition
2. Product Overview
3. Product Specifications
4. Features & Benefits
5. Part Numbers
6. Markets & Applications
7. Marcomm Collaterals

EconoStik™



Value Proposition







EconoStik™ is a **2.54mm** solution unshrouded header suitable when durability is not an issue.

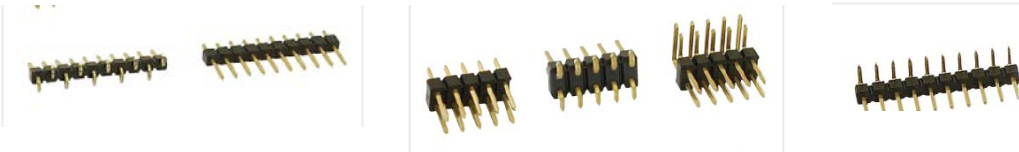
EconoStik™ 2.54mm is a standard 0.64mm square header with high-temperature resin and the header has **1u gold plating** in contact and tail to support up to **50 mating cycles**.

EconoStik™ supports **standard mating** and **tail length** as well as **customized lengths** for specific needs.

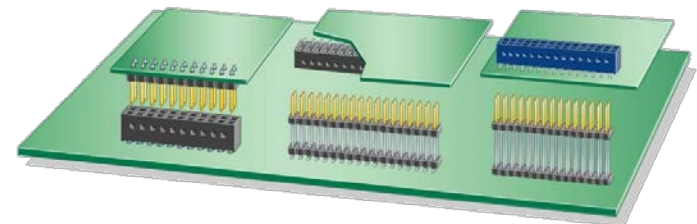
EconoStik™ is available in **single-row** and **double-row** with **vertical through-hole**, **right-angle through-hole** and **vertical SMT** types.

Solution Overview – Unshrouded headers

Description	Product Drawing Number	Photo (10 positions)
Single-row, vertical through-hole 2.54mm header	10129378	
Single-row, right-angle through-hole 2.54mm header	10129379	
Single-row, vertical SMT 2.54mm header	10129380	
Double-row, vertical through-hole 2.54mm header	10129381	
Double-row, right-angle through-hole 2.54mm header	10129382	
Double-row, vertical SMT 2.54mm header	10129383	



Board-to-board



Product Specifications – Unshrouded Headers

Product Facts

- High Temperature performing plastic
- Full 1u” gold plating
- Variety of Positions:
 - 01 to 36 single row (TMT)
 - 04 to 72 double row (TMT)
 - 02 to 20 single row (SMT)
 - 04 to 40 double row (SMT)

Electrical Performances

- Current Rating: 3A continuous
- Insulation Resistance: 5000 M Ω min.
- Dielectric withstanding voltage: 1500 V

Mechanical Performances

- PIN retention to housing: 9N min
- Durability: 50 mating cycles

Environmental

- Operating Temperature : -55~105°C

Technical Data

- Housing : High temperature black thermoplastic
- Flammability rating: UL94 V-0
- Pin: Brass
- Plating: full 1u” Gold over 1.27 μ m (50 μ ”) nickel

Specifications

- Product spec GS-12-1223

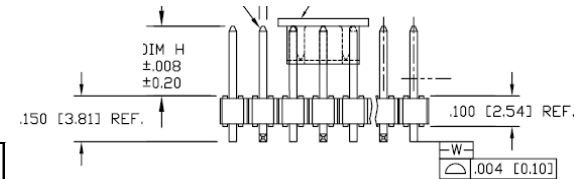
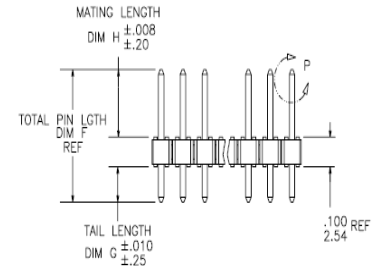
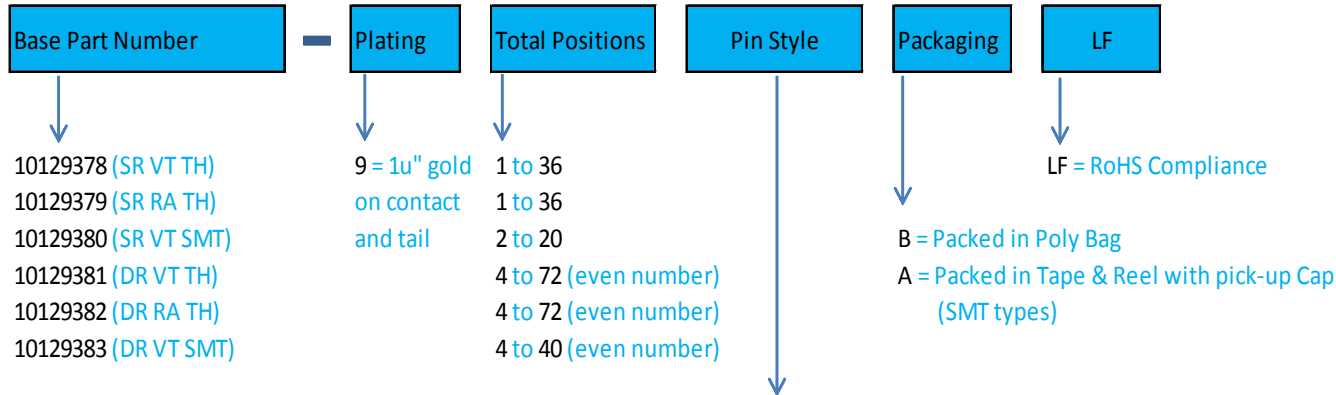
Packaging

- Poly bag
- Tape and Reel with pick-up cap

Features & Benefits

Features	Benefits
Drawn (not stamped) 0.64mm square wire presenting 4 equal quality surfaces.	Good performance of mating with different types of receptacle.
High temperature plastic.	Reflow compatible.
1u" gold plating on the contact and tail, passed qualification test to have 50 mating cycles.	Economical option.
Customized mating and tail length can be offered.	Suitable for specific designs.
Customer polarization available	Suitable for specific designs.
RoHS compliance and Lead-Free	Meet environmental, health and safety requirements.

Part Numbers



Through-hole type

Product Feature	Mating length	Tail length
001	5.84mm	3.05mm
002	5.84mm	2.29mm
003	8.08mm	3.05mm
004	8.08mm	2.29mm

SMT type

Product Feature	Mating length
001	5.84mm
002	8.08mm

- SR = Single-Row; DR = Double-Row; VT = Vertical; RA = Right-Angle; TH = Through-Hole; SMT = Surface Mount Technology.
- For example, FCI P/N **10129378-910001BLF** means it is the single-row vertical through-hole header, with 1u" gold on contact and tail, 10 positions, mating length 5.84mm and tail length 3.05mm, packed in poly bag, and RoHS compliance.
- Customized mating and tail length for specific customer's application can be offered.

Main Markets & Applications

Industrial, Instrumentation & Medical



Communications market



Consumer market



Data market



EconoStik™

Marcomm Collaterals

Available on FCI.com:

- Technical Data Sheet



BOARD/WIRE-TO-BOARD CONNECTORS



EconoStik™ 2.54mm HEADERS

OVERVIEW

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

EconoStik™ 2.54mm is a standard 0.64mm square header with high-temperature resin and the header has 1u gold plating in contact and tail to support up to 50 mating cycles. It supports standard mating and tail length as well as customized lengths for specific applications.

The resin of housing is UL94V-0 flammability rated. And the product is certified by UL and CSA.

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.



FEATURES

- Drawn 0.64mm square wire presenting 4 equal quality surfaces
- High-Temperature plastic
- 1u gold plating in contact and tail, passed qualification test to have 50 mating cycles
- Customized mating and tail lengths
- Customer customization available
- RoHS compliant and Lead-Free

BENEFITS

- Consistent and better mating performance with different types of receptacle
- Reflow compatible
- Economical option
- Suitable for specific designs
- Suitable for specific designs
- Meet environmental, health and safety requirements

Marcomm Collaterals

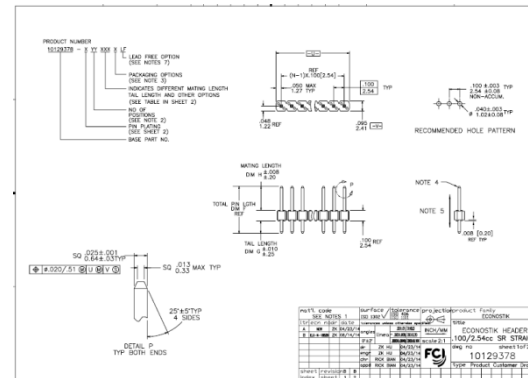
Available on FCI.com:

- Part Numbers

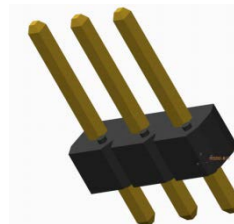
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Part Number	Image	Status	Product Name
10129378-902001BLF		PRE - RELEASED	Unshrouded Header, Single Row, Vertical, Through Hole, 2 Positions, 2.54 mm Pitch, 5.84 mm (0.23 in.) Mating, 3.05 mm (0.12 in.) Tail
10129378-902002BLF		PRE - RELEASED	Unshrouded Header, Single Row, Vertical, Through Hole, 2 Positions, 2.54 mm Pitch, 5.84 mm (0.23 in.) Mating, 2.29 mm (0.09 in.) Tail
10129378-902003BLF		PRE - RELEASED	Unshrouded Header, Single Row, Vertical, Through Hole, 2 Positions, 2.54 mm Pitch, 8.08 mm (0.318 in.) Mating, 3.05 mm (0.12 in.) Tail
10129378-902004BLF		PRE - RELEASED	Unshrouded Header, Single Row, Vertical, Through Hole, 2 Positions, 2.54 mm Pitch, 8.08 mm (0.318 in.) Mating, 2.29 mm (0.09 in.) Tail
10129378-903001BLF		PRE - RELEASED	Unshrouded Header, Single Row, Vertical, Through Hole, 3 Positions, 2.54 mm Pitch, 5.84 mm (0.23 in.) Mating, 3.05 mm (0.12 in.) Tail
10129378-903002BLF		PRE - RELEASED	Unshrouded Header, Single Row, Vertical, Through Hole, 3 Positions, 2.54 mm Pitch, 5.84 mm (0.23 in.) Tail

- Drawings



- 3D Views





THANK YOU

