

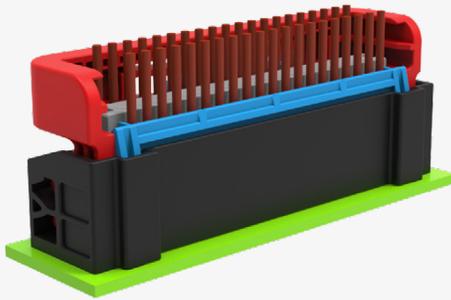
FLIP-N-LOK WIRE-TO-BOARD SIGNAL CONNECTOR

HIGH-DENSITY SIGNAL SOLUTION WITH LEVER DESIGN TO MAXIMIZE PRINTED CIRCUIT BOARD (PCB) SPACE, IMPROVE ERGONOMICS, AND HELP ENSURE RELIABLE CONNECTIONS

TE Connectivity (TE) introduces a high-density wire-to-board solution designed to free up PCB space and enhance overall assembly efficiency and ergonomics.

The new FLIP-N-LOK connector is a high-density, multi-load solution that can replace multiple signal headers with a single high-density header—freeing up board space, enabling a cleaner layout, and reducing assembly takt times.

Its advanced lever design improves ergonomics by helping reduce mating force and also functions as a secure locking mechanism. To help prevent incorrect terminal insertion, the housing features built-in error-resistance elements.



ELECTRICAL

- Rated Current (max): 2.8 A
- Rated Voltage (max) : 50 VDC
- Wire size: 22-24 AWG

MECHANICAL

- Centerline (mm): 2.5
- Mating force (max): 45 N
- Mating / Unmating cycles (max): 10

MATERIALS

- Operating Temp: -30°C to +105°C
- Materials:
- Contact: Copper alloy
- Connectors & lever: UL 94 V-0
- Terminal Position Assurance (TPA): UL 94 V-2

SPECIFICATIONS

- EIA 364
- Product Specification: [108-160822](#)
- Application Specification: [114-106077](#)
- Instruction Sheet: [408-160088](#)

KEY FEATURES

- Modular high-density connector
- Lever locking mechanism that helps improve ergonomics
- Polarization feature on housing
- Terminal keying for error minimizing assembly
- Mates to standard 1.57mm thick PCB
- Suitable for wave-soldering process, (Peak temp range: 255°C to 270°C Duration: 2-5 Sec)

APPLICATIONS



Major Home Appliances



Automation and Control



HVAC Control Systems



Battery Management System



Industrial Machinery



Medical Devices

FLIP-N-LOK WIRE-TO-BOARD SIGNAL CONNECTOR

HEADERS & PLUGS

Pos	Color	Header P/N	Plug P/N
20	Natural	2395225-2	2395224-2
20	Blue	2395225-3	2395224-3
40	Natural	2395225-1	2395224-1

TPA

Pos	Color	TPA P/N
20	Black	2395226-2
40	Black	2395226-1

CONTACT

Wire Range (AWG)	Description	Contact P/N	Ocean Applicator
22-28	Receptacle Contact	2232557-2	2836559-2

FOR MORE INFORMATION

[ASK OUR EXPERT ▶](#)

[te.com/flip-n-lok-wire-to-board-signal-connector](#)

FLIP-N-LOK, TE, TE Connectivity and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity plc. family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any changes to the information contained herein without prior notice. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect, or consequential damages arising out of the sale, resale, use, or misapplication of the product. TE expressly disclaims any implied warranties with respect to the information contained herein, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. Dimensions, specifications and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications and/or information. Users of TE Connectivity products must make their own assessment as to whether the respective product is suitable for the respective desired application.

©2025 TE Connectivity. All Rights Reserved.

Published 06-25