



HIGH-DENSITY FLEXIBLE PRINTED CIRCUIT (HFPC) 0.5 FLIP CONNECTOR

Surface mount technology (SMT) and ergonomic flip-lock actuator design

TE Connectivity's (TE) HFPC 0.5 mm pitch connector is an excellent solution when tight centerline spacing makes traditional wire-to-board connections impractical. This SMT high-density, FPC connector has been designed to address the growing demand for smaller centerlines, lower profiles, and lightweight interconnect solutions.

HFPC 0.5 connector is a zero-insertion force (ZIF) design, featuring a flip-lock actuator for ease of use, and a slot for seating the peg on the FPC cable, which enhances printed circuit retention and helps securely hold the flex cable in place.

This connector is highly suitable for a wide range of display applications in the appliance sector—spanning from touch panels to color screens in both major and small appliances. Beyond appliances, its versatility makes it equally suitable for industrial and medical environments, supporting control systems and display interfaces across diverse applications.

ELECTRICAL

- Voltage rating: 50V
- Current rating: 0.5A

MECHANICAL

- Positions: 2-80P
- Pitch: 0.5mm
- Configuration: R/A
- FPC cable thickness: 0.3mm

MATERIALS

- Contact & header pin: gold flash plating
- Housing: Liquid Crystal Polymer (LCP)
- Operating Temperature (°C):
-55° to 105°C (H1.0mm),
-40° to 125°C (H2.4mm)

STANDARDS & SPECIFICATIONS

- Product Specification: [108-162355](#)
- Application Specification: [114-161813](#)
- [Product Page](#)

KEY FEATURES

- Right Angle (RA)
- Standard height (H2.4mm) and ultra-low profile (H1.0mm) for space optimization, both configurations available with enhanced slot options for more reliable performance in vibration environment
- ZIF flip-lock actuator for an ergonomic design that helps improve assembly efficiency and reduces insertion effort in high-position or space-limited environments
- Front flip and back flip options available.
- High operation temperature solution available (up to 125°C)
- Gold flash plating for more reliable connection in harsh environments
- SMT technology to help enable automated pick and place
- Dual contact and bottom contact options available.
- Peg provides extra PCB retention

APPLICATIONS



Color Display



ATM Displays



Diagnostic Equipment



Industrial Panels



TV Display

HFPC 0.5 CONNECTORS, R/A, SMT AND GOLD FLASH PLATING

Height (H) mm	Position(w slot)	Position(w/o slot)	Flip Type	Contact design	Header PN
1.0	2	4	Back Flip	Dual Contact	2534919-2
1.0	3	5	Back Flip	Dual Contact	2534919-3
1.0	4	6	Back Flip	Dual Contact	2534919-4
1.0	5	7	Back Flip	Dual Contact	2534919-5
1.0	6	8	Back Flip	Dual Contact	2534919-6
1.0	8	10	Back Flip	Dual Contact	2534919-8
1.0	10	12	Back Flip	Dual Contact	1-2534919-0
1.0	11	13	Back Flip	Dual Contact	1-2534919-1
1.0	12	14	Back Flip	Dual Contact	1-2534919-2
1.0	14	16	Back Flip	Dual Contact	1-2534919-4
1.0	18	20	Back Flip	Dual Contact	1-2534919-8
1.0	22	24	Back Flip	Dual Contact	2-2534919-2
1.0	23	25	Back Flip	Dual Contact	2-2534919-3
1.0	24	26	Back Flip	Dual Contact	2-2534919-4
1.0	28	30	Back Flip	Dual Contact	2-2534919-8
1.0	38	40	Back Flip	Dual Contact	3-2534919-8
2.4	5	5	Front Flip	Bottom Contact	2534860-5
2.4	6	6	Front Flip	Bottom Contact	2534860-6
2.4	8	8	Front Flip	Bottom Contact	2534860-8
2.4	10	10	Front Flip	Bottom Contact	1-2534860-0
2.4	13	13	Front Flip	Bottom Contact	1-2534860-3
2.4	16	16	Front Flip	Bottom Contact	1-2534860-6
2.4	17	17	Front Flip	Bottom Contact	1-2534860-7
2.4	18	18	Front Flip	Bottom Contact	1-2534860-8
2.4	20	20	Front Flip	Bottom Contact	2-2534860-0
2.4	21	21	Front Flip	Bottom Contact	2-2534860-1
2.4	24	24	Front Flip	Bottom Contact	2-2534860-4
2.4	25	25	Front Flip	Bottom Contact	2-2534860-5
2.4	26	26	Front Flip	Bottom Contact	2-2534860-6
2.4	30	30	Front Flip	Bottom Contact	3-2534860-0

Height (H) mm	Position(w slot)	Position(w/o slot)	Flip Type	Contact design	Header PN
2.4	33	33	Front Flip	Bottom Contact	3-2534860-3
2.4	36	36	Front Flip	Bottom Contact	3-2534860-6
2.4	40	40	Front Flip	Bottom Contact	4-2534860-0
2.4	41	41	Front Flip	Bottom Contact	4-2534860-1
2.4	45	45	Front Flip	Bottom Contact	4-2534860-5
2.4	50	50	Front Flip	Bottom Contact	5-2534860-0
2.4	51	51	Front Flip	Bottom Contact	5-2534860-1
2.4	56	56	Front Flip	Bottom Contact	5-2534860-6
2.4	60	60	Front Flip	Bottom Contact	6-2534860-0
2.4	62	62	Front Flip	Bottom Contact	6-2534860-2
2.4	64	64	Front Flip	Bottom Contact	6-2534860-4
2.4	66	66	Front Flip	Bottom Contact	6-2534860-6
2.4	68	68	Front Flip	Bottom Contact	6-2534860-8
2.4	69	69	Front Flip	Bottom Contact	6-2534860-9
2.4	80	80	Front Flip	Bottom Contact	8-2534860-0

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