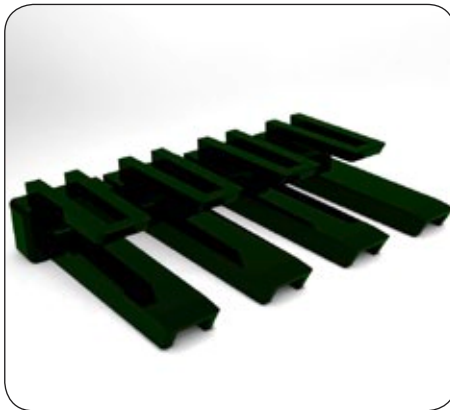


EP II 4-Posn Retainer Housing with Latch and Tabs, part number 2132781-4



EP II Breakaway Contact Retainer (12-posn), part number 1-2132782-2

## Introducing EP II Connector Series with TPA Device

This new generation of single-row Economy Power (EP) connectors comprises of newly designed plug housings, a new lance-less crimp contact (terminal) design and dedicated post headers. Compared to the existing EP generation, EP II has considerably increased electric ratings: At up to 600 VAC and up to 10 amps of current, the interconnection system can be used for standard white good and home appliances, but also for other applications with higher voltage requirements.

EP II single-row plug housings with a .156" centerline (3.96 mm pitch) are available with 2 to 12 positions to terminate discrete wires AWG 22 to 16. They comprise of a housing, snap-in receptacle terminal and newly added 12-position breakaway style contact retainers providing Terminal Position Assurance (TPA). The inserted TPA retainers also prevent the contacts from backing out in applications with random vibration.

EP II connectors utilize new lance-less terminals (contacts). The lance has been replaced by a stamped-out window on the terminal underside. The window slides over a plastic locking tab in the housing cavity and again produces a tangible and audible click when the terminal is fully seated. By inserting the TPA retainer the contacts are secured by a secondary locking device.

### KEY FEATURES

- .156" centerline (3.96 mm)
- Lance-less terminal
- 2 - 12 positions for discrete wires AWG 22-18
- Voltage up to 600 VAC
- Current up to 10 A
- Housing locking latch
- Polarization tabs
- Asymmetrical terminals can only be loaded one way
- Breakaway style Terminal Position Assurance (TPA)
- Probe tip windows for continuity testing
- Contact lubrication

### APPLICATIONS

- Household appliances
- HVAC
- Industrial machinery (e.g. control boards)

### ELECTRICAL

- Voltage rating: 600 VAC
- Current rating: 10 A

### MECHANICAL

- Positions: 2 to 12 (single row)
- Wire size: 22 to 16 AWG discrete wire
- Centerline: .156" (3.96 mm)
- Breakaway style TPA 12 positions
- Operating temperature: -55 to 105 °C

### MATERIALS

- Housing: UL 94V-0 rated nylon
- Contacts: Tin-plated Phos Bronze

### STANDARDS

- UL recognized

**SAMPLES NOW AVAILABLE**





EP II Phos Bronze Pre-Tin Contact 18-22 AWG,  
part number 1744144-1

## SPECIFICATIONS

- Design objective: 108-2297
- Application specification: 114-13045
- Application specification: 114-13065

## PRODUCT OFFERING

Part number	Description
1-2132782-2	EP II Breakaway Contact Retainer (12-posn)
1744144-1	EP II Phos Bronze Pre-Tin Contact 18-22 AWG
1744201-1	EP II Phos Bronze Pre-Tin Contact 16-20 AWG
2132813-2	EP II 2-Posn Retainer Housing w/Latch and Tabs
2132781-3	EP II 3-Posn Retainer Housing w/Latch and Tabs
2132781-4	EP II 4-Posn Retainer Housing w/Latch and Tabs
2132781-5	EP II 5-Posn Retainer Housing w/Latch and Tabs
2132781-6	EP II 6-Posn Retainer Housing w/Latch and Tabs
2132781-7	EP II 7-Posn Retainer Housing w/Latch and Tabs
2132781-8	EP II 8-Posn Retainer Housing w/Latch and Tabs
2132781-9	EP II 9-Posn Retainer Housing w/Latch and Tabs
1-2132781-0	EP II 10-Posn Retainer Housing w/Latch and Tabs
1-2132781-1	EP II 11-Posn Retainer Housing w/Latch and Tabs
1-2132781-2	EP II 12-Posn Retainer Housing w/Latch and Tabs

## APPLICATION TOOLING

Part number	Description
90720-1	Straight Action Hand Tool
91337-1 2119118-1	PRO--CRIMPER III Hand Tool Assembly
354500-[ ]	AMP-O-LECTRIC Model "G" Terminating Machine
1725950-[ ]	AMP 3K Press
528324-[ ]	Komax Gamma 333 PC
1385286-[ ]	Side Feed HDM Applicator

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