

FEATURES AND SPECIFICATIONS



3.96mm (.156") Pitch MarKK™ Crimp Terminal

45570

MarKK, Molex's next-generation KK® terminal, utilizes a spring-box design for enhanced reliability across an extended temperature range

Molex's MarKK (pronounced "Mark") terminal is the next-generation product in the KK terminal offering. The new spring-box design provides a high-force interface, assuring good contact over broader temperatures. Designed to meet increasing customer demands, MarKK provides the next level of performance in the familiar KK terminal design.

MarKK terminals are available in both pre-plate and post-plate Tin versions, as well as post-plate select Gold to ensure a broad selection of options. The

proven KK system of "building block" connectors can be used to create different configurations, allowing each user to build a system that is precisely suited to any application.

The MarKK terminal is designed to be used with the following crimp housings: KK Crimp Terminal Housings Series 41695 and 6442. Tooling that utilizes the new MarKK design is available, FineAdjust™ applicator part number 63866-2000.

For more information on Molex's legacy KK product offering, visit: www.molex.com/product/kk.html. For more information on the new MarKK offering, visit: www.molex.com/link/markk.html.

Features and Benefits

- Utilizes spring-box design and provides high-force interface assuring good contact over broader temperatures
- Head-and tail-carried design eliminates customer's need to monitor cutoff dimension in application tooling
- High conductivity alloy allows increased current-carrying capability; up to 13.5A per line (see product specification for details) based on a 2-circuit system
- Four truly independent points of contact assures a highly reliable interface



SPECIFICATIONS

Reference Information

Packaging: Reel or Bag

UL File No.: Pending

CSA File No.: Pending

Use with: KK Crimp Terminal Housings Series
41695, 6442

Mates With:

All 3.96mm (.156") Pitch KK headers

Series 41661, 41662, 41671, 41672, 41681,

41682, 41771, 41772, 41791, 41792

Designed In: Inches

Electrical

Voltage: 600V DC

Current: 13.0A max.

Contact Resistance: 10 milliohm

Dielectric Withstanding Voltage: 1500V

Insulation Resistance: 500V DC

Mechanical

Contact Insertion Force: 5.78N (1.299 lb)

Contact Retention to Housing: 40N (8.992 lb) min.

Mating Force: 8.99N (2.021 lb) max.per circuit

Unmating Force: 2.20N (.495 lb) per circuit

Durability: 25 cycles

Physical

Contact: Copper (Cu) Alloy

Plating:

Contact Area — Tin (Sn) or Gold (Au)

Underplating — Nickel (Ni) available

Operating Temperature: -40 to +105°C

APPLICATIONS

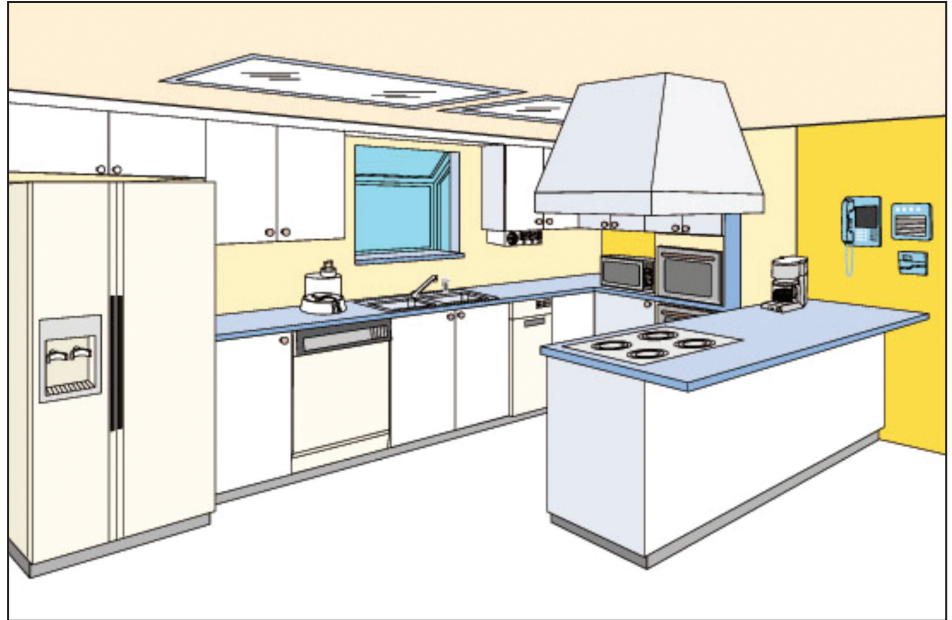


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■ General market product, serves a wide variety of industries

- Large and small computers
- Appliances (white goods/brown goods)
- HVAC
- Diagnostic equipment



ORDERING INFORMATION

| Order No. | Plating | Packaging | Wire Size AWG |
|------------|--|------------|---------------|
| 45570-3000 | Pre-Tinned | Chain/Reel | 18 to 20 |
| 45570-3002 | Post-Plate Tin over Nickel | Chain/Reel | |
| 45570-3004 | Post-Plate Tin over Nickel with Select Gold | Chain/Reel | |
| 45570-3050 | Pre-Tinned | Loose | |
| 45570-3052 | Post-Plate Tin over Nickel | Loose | |
| 45570-3054 | Post-Plate Tin over Nickel with Select Gold | Loose | |

www.molex.com/link/markk.html

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