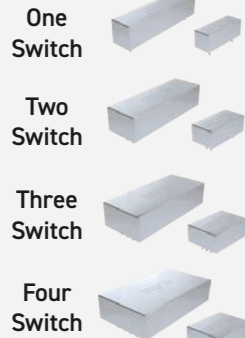


# Pickering Electronics' Product Timeline

## Pickering Electronics

was started by John Moore with the aim to design and manufacture high quality reed relays for use by original equipment manufacturers.



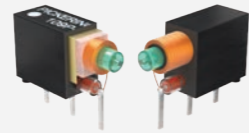
### Series 10, 20, 30, 40, 50

The first ever Pickering relays were potted in quite large chromium plated steel boxes.

## SoftCenter™

Pickering's **SoftCenter** Technology was established to protect the sensitive glass/metal seal of the reed switch capsule. Our competitors' solutions only provide a hard center.

### Pickering Products Competitors' Products



### Series 105

Introduction of the SIL/SIP (Single-in-Line Package) reed relays, including changeover and two pole types. Constructed on a lead-frame using former-less coils.



### Series 62/63

High voltage relays switching up to 15 kV stand-off.

### Series 104

The first ever high voltage SIL/SIP reed relay.

### Series 102

Subminiature coaxial RF reed relays.



### Series 110

The first ever vertical-SIL/SIP relay for high density applications. Two thirds the board area of the Series 109 but with the same specification.

### Series 111

PICO SIL/SIP relays including coaxial types for up to 1.5 GHz. Pin compatible with the Series 110 but with a lower power rating.

### Series 112

SIL/SIP relays. pin compatible with the Series 110/111 but with 10 W contact rating.



### Series 114

High power dry SIL/SIP relays with a 40 W rating.

### Series 117

Very high density relays stacking on a 0.15" x 0.27" pitch. The highest density available at that time.

### Series 118

High coil resistance vertical reed relays for portable instrumentation.

### Series 109-1-C

Expanded the range to include Form C (changeover) reed relays.



### Series 67



### Series 68

SIL/SIP HV relays for up to 10 kV.

### Series 119

Miniature SIL/SIP high voltage relays for up to 3kV stand-off.

1968

1972

1983

1986

1989

1994

1998

2002

2007

2012

2015

1970

1975

1984

1987

1992

1997

2001

2003

2005

2017

2020



### Series 60 Series 65

The first high voltage relays offered by Pickering are still widely used in many applications today.



### Series 70

These were very large Bi-stable relays. Pickering still make a variant of this relay today which is used in automatic braking systems for railways all over the world.



### Series 97

The first Dual-in-Line (DIL/DIP) Pickering relay. Made in a similar construction to the larger Series 80.



### Series 100

Low thermal EMF relays. Direct drive from CMOS.



### Series 107

Introduced the first ever Mini-SIL reed relay with a patented mu-metal screen/can - the Series 107 increased packing density and improved efficiency and reliability.



### Series 106

Plastic package with an internal mu-metal screen.



### Series 103

Low capacitance SIL/SIP reed relays.



### Series 108

Smaller version of the Series 107 - saving 25% board space.



### Series 109

The first ever Micro-SIL/SIP relay for high density applications - the Series 109 requires little more than half the board area of any other SIL/SIP reed relay on the market at the time, setting a new standard within the industry.



### Series 200

Surface mount reed relays including coaxial types for up to 5 GHz.



### Series 113

Lower profile version of the Series 112 but in a slightly longer package. Range includes 2-Pole and changeover types.



### Series 116

Identical configuration to the Series 117 but a higher profile. Power rating increased to 10 W.



### Series 115

Identical configuration to the Series 117 and 116 but a higher profile. Power rating increased to 20 W.



### Series 120

Introduced the smallest footprint reed relay for high density applications - the Series 120 **4mm<sup>2</sup>**™. The Series 124 followed in 2018 and the Series 122 in 2019.



### Series 131

A new range of very small high voltage SIL/SIP relays for up to 1.5kV.

## 4mm<sup>2</sup>™

A first for the industry, Pickering's new Series 120, 122 and 124 **4mm<sup>2</sup>** reed relays mount on a 4 mm x 4 mm board area, whilst switching up to 1 A.

