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# Series 801 Mighty Mouse
# Double-Start ACME Thread Plug
## 801-007 and 801-008 Ordering Information



**Series 801 Mighty Mouse Connector** features a double-start modified stub ACME mating thread for improved protection against cross-mating and thread damage. Connector shells are machined aluminum or stainless steel. Supplied with crimp contacts, packaged separately. Terminate contacts with standard M22520 tools. Metal clips inside the connector body lock contact into place. Contacts are removable. Fluorosilicone seals and rear grommet protect connector from water ingress. Terminate cable shield directly to connector body with Band-Master™ ATS strap, or choose rear accessory thread to attach optional cable clamp or backshell. Available in shell sizes 5 through 21 in 67 contact arrangements.

**How To Order**

| Sample Part Number | 801-007 | -16 | M | 9-4 | P | A |
|---|---|---|---|---|---|---|

| | |
|---|---|
| **Series (See Table I)** | **801-007** = With Banding Platform<br>**801-008** = With Rear Accessory Thread |
| **Shell Style** | **-16** = Plug with Anti-Decoupling Spring<br>**-26** = Self-Locking Plug with Ratchet Mechanism |
| **Shell Material and Finish** | **C** = Aluminum / Black Anodize (Non-Conductive) RoHS Compliant<br>**M** = Aluminum / Electroless Nickel RoHS Compliant<br>**NF** = Aluminum / Cadmium with Olive Drab Chromate<br>**ZN** = Aluminum / Zinc-Nickel with Olive Drab Chromate<br>**ZNU** = Aluminum / Zinc-Nickel with Black Chromate<br>**MT** = Aluminum / Nickel-PTFE RoHS Compliant<br>**Z1** = Stainless Steel / Passivated RoHS Compliant |
| **Shell Size - Insert Arrangement** | See Insert Arrangements page D-2 |
| **Contact Type** | **Connector supplied with crimp contacts**: **P** = Pin, **S** = Socket<br>**Connector supplied without contacts**: **A** = Pin Connector, **B** = Socket Connector<br>**Connector supplied with 30 AWG crimp contacts**: **G** = #23 Pin, **H** = #23 Socket<br>Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed. Coaxial contacts and non-standard signal contacts are ordered separately. |
| **Shell Key Positions (See Table II)** | **A** = Normal **B** = Pos. B **C** = Pos. C **D** = Pos. D **E** = Pos. E **F** = Pos. F |

**Table I: Series**

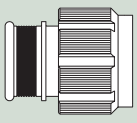
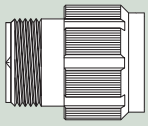
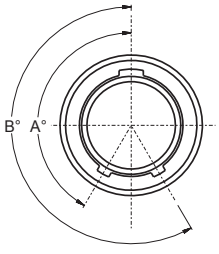
| | |
|---|---|
|  |  |
| **801-007**<br>Banding Platform | **801-008**<br>Rear Accessory Thread |

**Table II: Key Positions**

| | A° | B° |
|---|---|---|
| A | 150° | 210° |
| B | 75° | 210° |
| C | 95° | 230° |
| D | 140° | 275° |
| E | 75° | 275° |
| F | 95° | 210° |




Dimensions in Inches (millimeters) are subject to change without notice.

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# Series 801 Mighty Mouse
# Double-Start ACME Thread
## Contact Arrangements



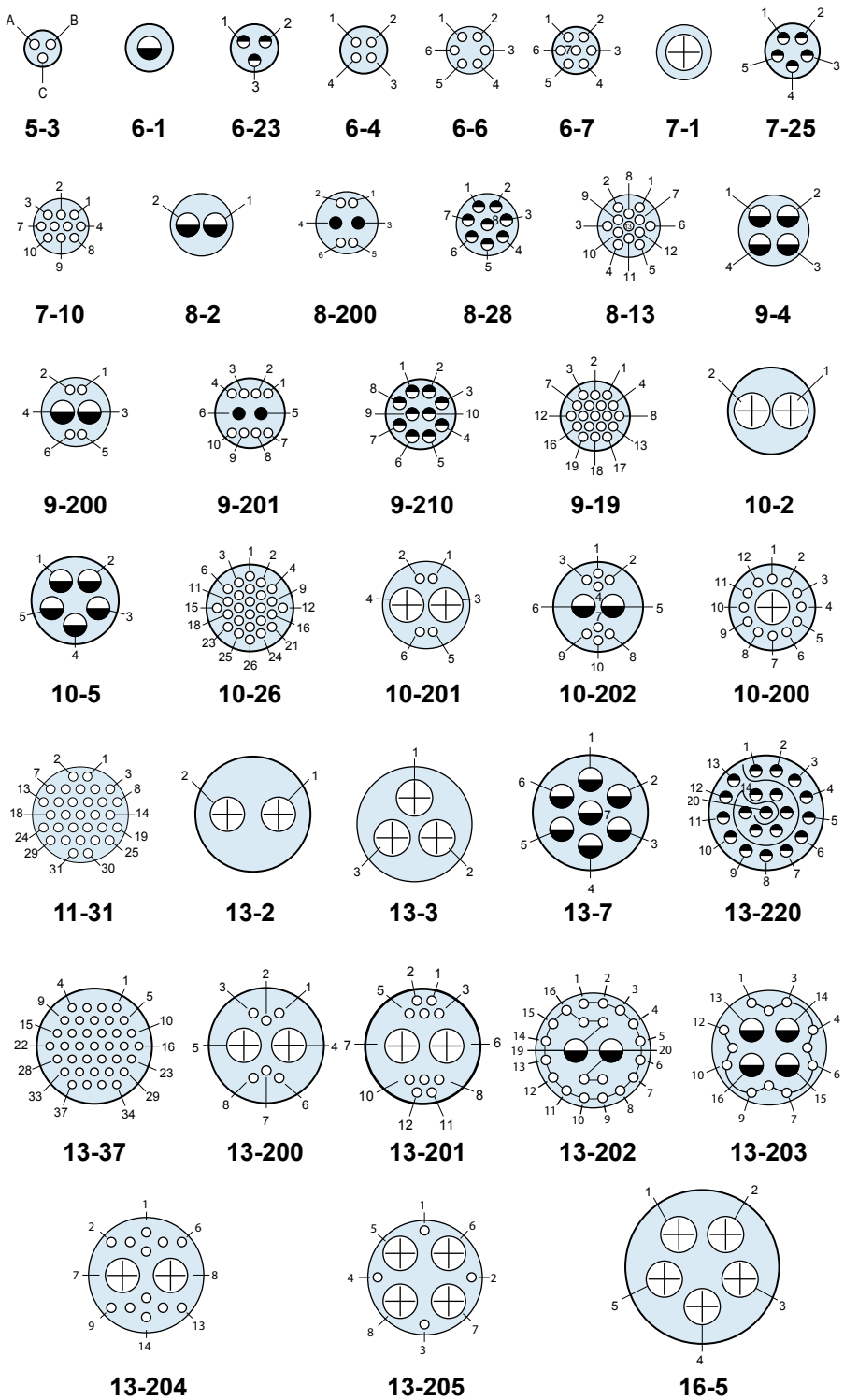
| Contact Arrangements | | | | | | |
|---|---|---|---|---|---|---|
| Contact Arr. | No. of Contacts | | | | | |
| | #23 | #20 | #20HD | #16 | #12* | #8 |
| 5-3 | 3 | | | | | |
| 6-1 | | | | 1 | | |
| 6-23 | | | 3 | | | |
| 6-4 | 4 | | | | | |
| 6-6 | 6 | | | | | |
| 6-7 | 7 | | | | | |
| 7-1 | | | | | 1 | |
| 7-25 | | | 5 | | | |
| 7-10 | 10 | | | | | |
| 8-2 | | | | 2 | | |
| 8-200 | 4 | 2 | | | | |
| 8-28 | | | 8 | | | |
| 8-13 | 13 | | | | | |
| 9-4 | | | | 4 | | |
| 9-200 | 4 | | | 2 | | |
| 9-201 | 8 | 2 | | | | |
| 9-210 | | | 10 | | | |
| 9-19 | 19 | | | | | |
| 10-2 | | | | | 2 | |
| 10-5 | | | | 5 | | |
| 10-26 | 26 | | | | | |
| 10-200 | 12 | | | | 1 | |
| 10-201 | 4 | | | | 2 | |
| 10-202 | 8 | | | 2 | | |
| 11-31 | 31 | | | | | |
| 13-2 | | | | | 2 | |
| 13-3 | | | | | 3 | |
| 13-7 | | | | 7 | | |
| 13-220 | | | 20 | | | |
| 13-37 | 37 | | | | | |
| 13-200 | 6 | | | | 2 | |
| 13-201 | 10 | | | | 2 | |
| 13-202 | 20 | | | 2 | | |
| 13-203 | 12 | | | 4 | | |
| 13-204 | 12 | | | | 2 | |
| 13-205 | 4 | | | | 4 | |
| 16-5 | | | | | 5 | |

*All arrangements with #12 contacts available with keyed Twinax contacts. Use mode code -688

Contact Legend

#23 ○ #20HD ◓ #20 ● #16 ◒ #12 ⊕

### Mating Face View of Pin Connector
### (socket connector numbers are reversed)




Dimensions in Inches (millimeters) are subject to change without notice.

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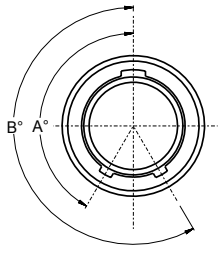
| Contact Arrangements | | | | | | |
|---|---|---|---|---|---|---|
| Contact Arr. | No. of Contacts | | | | | |
| | #23 | #20 | #20HD | #16 | #12* | #8 |
| 16-12 | | | | 12 | | |
| 16-235 | | | 35 | | | |
| 16-55 | 55 | | | | | |
| 16-204 | 40 | | | 2 | | |
| 16-205 | 32 | | | 4 | | |
| 16-206 | 34 | | | | 2 | |
| 16-207 | 20 | | | | 4 | |
| 16-208 | 32 | | | | | 1 |
| 17-7 | | | | | 7 | |
| 17-14 | | | | 14 | | |
| 17-241 | | | 41 | | | |
| 17-85 | 85 | | | | | |
| 17-203 | 40 | | | 4 | | |
| 17-204 | 28 | | | | 4 | |
| 17-205 | 40 | | | | | 1 |

*All arrangements with #12 contacts available with keyed Twinax contacts. Use mode code -688

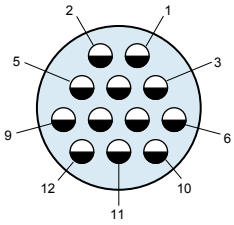
Contact Legend

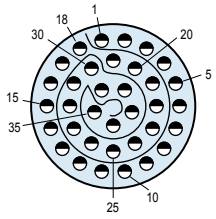
#23 ○ #20HD ◒ #20 ● #16 ◒ #12 ⊕

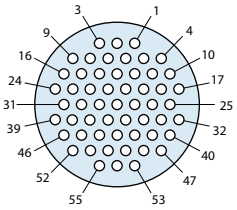
| Plug Key Positions | | |
|---|---|---|
| | A° | B° |
| A | 150° | 210° |
| B | 75° | 210° |
| C | 95° | 230° |
| D | 140° | 275° |
| E | 75° | 275° |
| F | 95° | 210° |

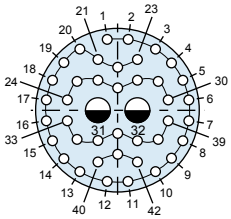


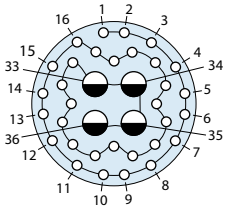

## Mating Face View of Pin Connector
## (socket connector numbers are reversed)

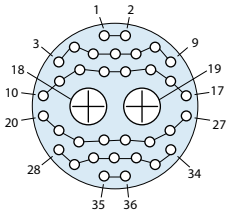

16-12

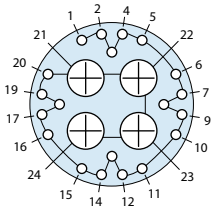

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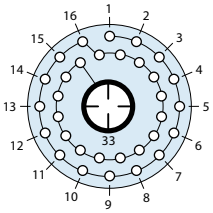

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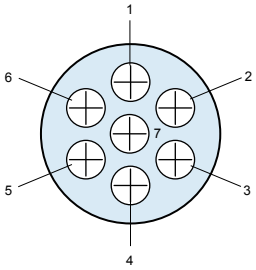

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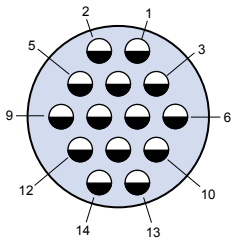

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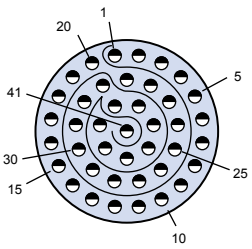

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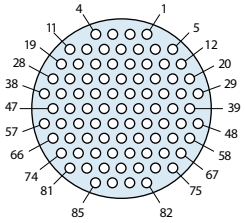

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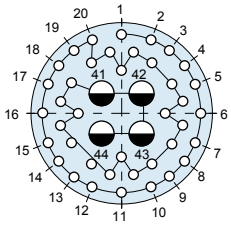

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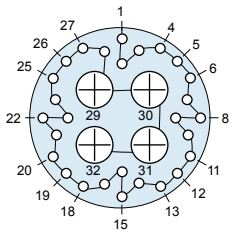

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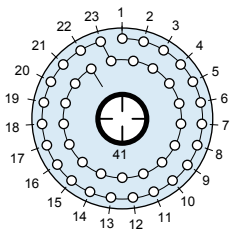

17-14


17-241


17-85


17-203


17-204


17-205

D

Dimensions in Inches (millimeters) are subject to change without notice.

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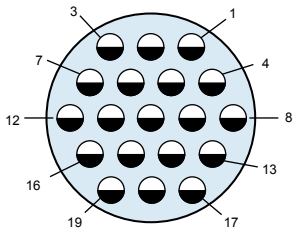
# Series 801 Mighty Mouse
# Double-Start ACME Thread
## General Information

| Contact Arrangements | | | | | | |
|---|---|---|---|---|---|---|
| Contact Arr. | No. of Contacts | | | | | |
| | #23 | #20 | #20HD | #16 | #12* | #8 |
| 19-19 | | | | 19 | | |
| 19-201 | 44 | | | | | 2 |
| 19-202 | 23 | | | | | 4 |
| 19-255 | | | 55 | | | |
| 19-100 | 100 | | | | | |
| 21-12 | | | | | 12 | |
| 21-200 | 28 | | | | | 4 |
| 21-22 | | | | 22 | | |
| 21-269 | | | 69 | | | |
| 21-130 | 130 | | | | | |

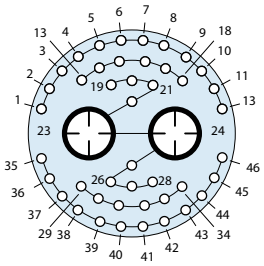
*All arrangements with #12 contacts available with keyed Twinax contacts. Use mode code -688

Contact Legend

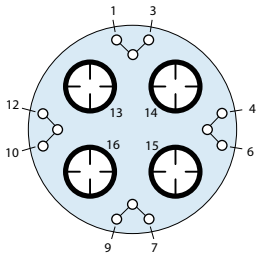
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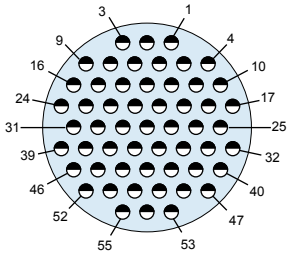

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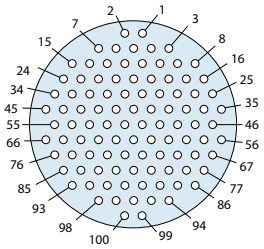

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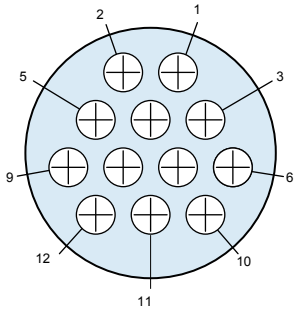

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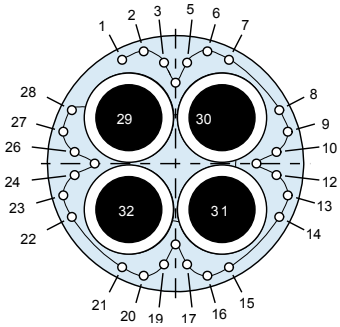

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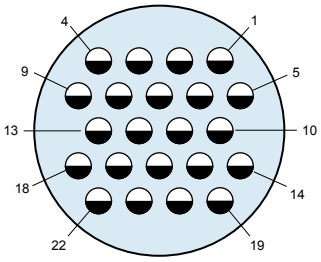

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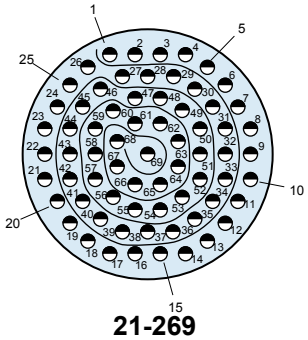

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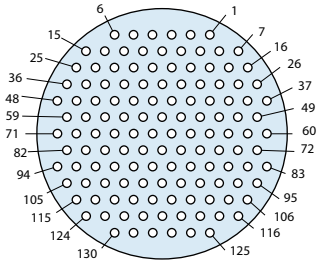

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21-22



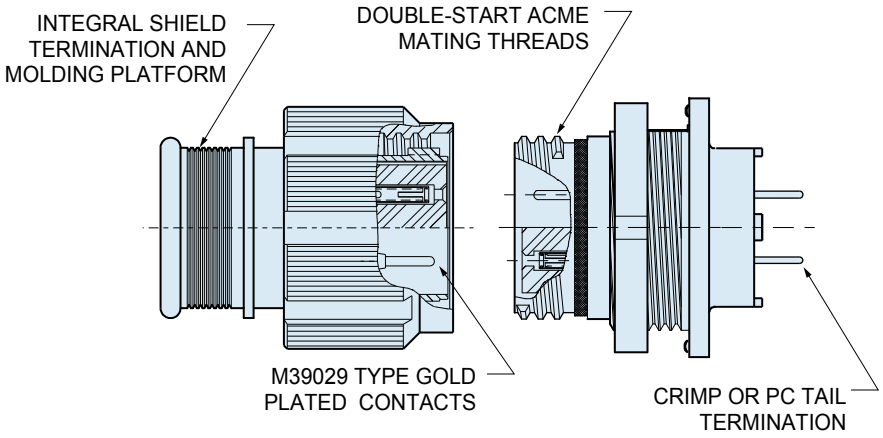

21-269




21-130

Dimensions in Inches (millimeters) are subject to change without notice.

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- **Double-Start ACME Thread with anti-decoupling spring or ratchet**
- **Crimp Rear Release Contacts**
- **integral Band Platform**
- **Available with Size #12, #16, #20, #20HD and #23 Contacts**
- **Environmentally Sealed**

D

# Glenair's Series 801 Mighty Mouse Offers Mil-Spec Performance in a Lightweight, Ultraminiature Package

The 801 Series Mighty Mouse is ideal for use in high-density packaging applications where traditional military circular connectors are too large or too heavy. The double-start threads provide full mating in 1½ turns, and the plug features an anti-decoupling spring for vibration resistance. The unique integral molding/band platform allows direct shield attachment and cable overmolding. Receptacles are available with printed circuit board contacts. Plugs have anti-decoupling wave spring, or specify ratchet mechanism for added security.



| Specifications | |
|---|---|
| Current Rating | #23–5 A, #20HD–7.5 A, #16–13 A, #12–23 A |
| Dielectric Withstanding Voltage | #23–750 VAC, #20HD–1000 VAC, #12 and #16–1800 VAC |
| Insulation Resistance | 5000 megohms minimum |
| Operating Temperature | -65° C. to +175° C. |
| Shock | 300 g. |
| Vibration | 37 g. |
| Shielding Effectiveness | 55 dB minimum from 100MHz to 1000MHz. |
| Durability | 2000 mating cycles |
| See Series 80 General Information for complete performance specs. | |



| Materials and Finishes | |
|---|---|
| Shells, Jam Nuts | Aluminum alloy or stainless steel |
| Contacts | Copper alloy, 50 µInch gold plated |
| Insulators | Liquid crystal polymer (LCP) |
| Contact Retention Clip | Beryllium copper alloy |
| Interfacial Seal, O-rings, Wire Sealing Grommet | Fluorosilicone rubber |
| See Series 80 General Information for complete material and finish specs. | |

Dimensions in Inches (millimeters) are subject to change without notice.

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# Mouser Electronics

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Glenair:

801-007-16ZN5-3PD 801-007-16ZN7-10PA 801-007-16M16-55SA 801-008-16Z19-19SA 801-007-16M6-7SA 801-007-16ZN6-4SA 801-007-16NF6-7SA 801-008-16NF9-19SA 801-008-16M13-37SC 801-007-16NF5-3PA 801-007-16ZNU9-19SA 801-009-02M6-7PA 801-007-16M6-7PB 801-008-16NF13-37SC 801-007-16M16-55SB 801-007-16M9-19PB 801-007-16M9-19SA 801-007-16NF9-19PA 801-007-16ZN5-3PB 801-007-16ZN5-3SA 801-007-16ZN6-4PA 801-007-16M9-4SB 801-008-16M13-3SA 801-007-16ZNU7-10SA 801-007-16NF9-19PB 801-007-16NF6-23PA 801-007-26NF5-3PA 801-008-16NF13-37SA 801-008-16NF9-19PA 801-007-16M10-200PA 801-007-16M10-201PA 801-007-16M10-5SA 801-007-16M13-201PA 801-007-16M13-220PA 801-007-16M16-235PA 801-007-16M16-55SD 801-007-16M17-85SD 801-007-16M21-269PA 801-007-16M5-3PB 801-007-16M5-3PC 801-007-16M6-23PA 801-007-16M7-25PA 801-007-16M8-28PA 801-007-16M9-200PA 801-007-16M9-210SA 801-007-16MT17-85SA 801-007-16MT6-7SA 801-007-16MT9-19SA 801-007-16NF10-26PD 801-007-16NF10-26SC 801-007-16NF13-37PB 801-007-16NF13-37PD 801-007-16NF6-23SA 801-007-16NF7-10SB 801-007-16NF9-4SB 801-007-16Z110-26HA 801-007-16Z15-3PA 801-007-16ZL5-3SB 801-007-16ZN6-7SA 801-007-16ZN9-4SA 801-007-26M6-7SA 801-007-26MT10-26PA 801-007-26MT6-1PA 801-007-26MT9-19PA 801-007-26MT9-19PD 801-008-16C6-4SA 801-008-16M10-26SB 801-008-16NF13-37PB 801-008-16NF16-55SB 801-008-16NF21-130PA 801-008-16NF6-6PA 801-008-16NF7-10SB 801-008-16NF8-13PB 801-008-16NF9-19PD 801-008-16Z16-4SA 801-008-16Z19-4SA 801-008-16ZN6-7SA 801-008-16ZN9-4PA 801-008-16ZNU6-1SA 801-008-16ZNU7-1PA 801-008-26M13-37PA 801-008-26M13-37SA 801-007-16MT10-26PA 801-007-16ZNU5-3PB 801-008-16NF13-2SA 801-008-16ZNU16-55PA 801-008-16ZNU7-10PA 801-007-16Z16-7PA 801-007-16NF17-85PA 801-007-16M10-26PA 801-007-16M10-26SA 801-007-16M13-37PA 801-007-16M13-37SA 801-007-16M16-55PB 801-007-16M17-85PA 801-007-16M17-85SA 801-007-16M5-3PA 801-007-16M6-4PA 801-007-16M6-4SA 801-007-16M7-10PA

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