

# AT, ATM and ATP Series™ Kits Are Now Available!!!



**Q:** Why are we offering "kits"?

**A:** Making "kits" available to our customers allows for reducing the number of part numbers necessary for any given project, whether for in-house production or field-serviceable applications.

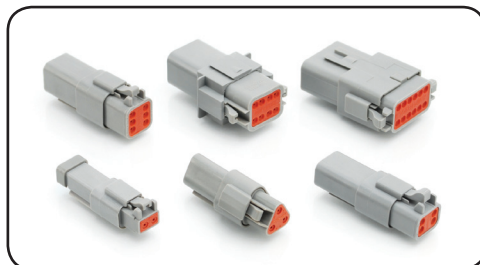
Amphenol's **A Series™ Connectors**, which contain **AT**, **ATM** and **ATP** series, encompass a wide range of products serving a variety of industries. All series are compatible with existing standard products industry-wide. Our kits are perfect for dealers and service shops, and as an aftermarket components option. With Production and Field Service kit availability, you have the ability to make repairs both on-the-line as well as in-the-field with confidence.

**Market Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural Industries

## AT Series™

2, 3, 4, 6, 8 and 12 positions available

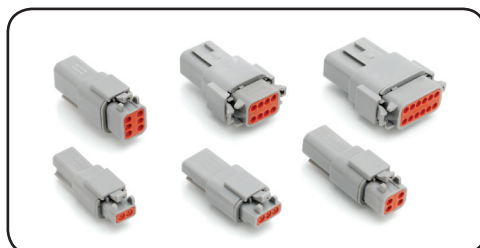
- Contacts: Size 16, (13A), 16-18AWG, Stamped & Formed
- High-performance, cost-effective
- Superior environmental seal retention



## ATM Series™

2, 3, 4, 6, 8 and 12 positions available

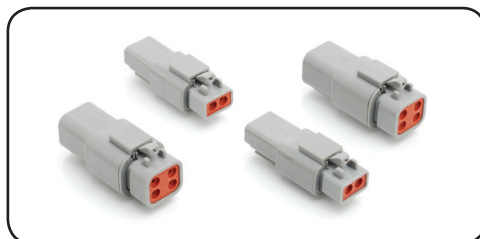
- Contacts: Size 20, (7.5A), 16-22AWG, Stamped & Formed
- High-performance, cost-effective
- Superior environmental seal retention



## ATP Series™

2 and 4 position available

- Contacts: Size 12, (25A), 12-14AWG, Stamped & Formed
- High-performance, cost-effective
- Superior environmental seal retention



### Part/Kit Availability for AT, ATM And ATP Series

| Series | Amphenol Sine Systems P/N | Contents of Kit  |
|--------|---------------------------|--|
| AT     | AT06-2S-KIT01             | 2 pos., Plug, Female, Wedgelock, Contacts                  |
|        | AT06-3S-KIT01             | 3 pos., Plug, Female, Wedgelock, Contacts                  |
|        | AT06-4S-KIT01             | 4 pos., Plug, Female, Wedgelock, Contacts                  |
|        | AT06-6S-KIT01             | 6 pos., Plug, Female, Wedgelock, Contacts                  |
|        | AT06-08SA-KIT01           | 8 pos., Plug, Female, Wedgelock, Contacts                  |
|        | AT06-12SA-KIT01           | 12 pos., Plug, Female, Wedgelock, Contacts                 |
|        | AT04-2P-KIT01             | 2 pos., Receptacle, Male, Wedgelock, Contacts              |
|        | AT04-3P-KIT01             | 3 pos., Receptacle, Male, Wedgelock, Contacts              |
|        | AT04-4P-KIT01             | 4 pos., Receptacle, Male, Wedgelock, Contacts              |
|        | AT04-6P-KIT01             | 6 pos., Receptacle, Male, Wedgelock, Contacts              |
|        | AT04-08PA-KIT01           | 8 pos., Receptacle, Male, Wedgelock, Contacts              |
|        | AT04-12PA-KIT01           | 12 pos., Receptacle, Male, Wedgelock, Contacts             |
|        | AT2PS-CKIT                | 2 pos., Plug, Receptacle, Pins, Sockets, Wedges            |
|        | AT3PS-CKIT                | 3 pos., Plug, Receptacle, Pins, Sockets, Wedges            |
|        | AT4PS-CKIT                | 4 pos., Plug, Receptacle, Pins, Sockets, Wedges            |
|        | AT6PS-CKIT                | 6 pos., Plug, Receptacle, Pins, Sockets, Wedges            |
|        | AT8PS-CKIT                | 8 pos., Plug, Receptacle, Pins, Sockets, Wedges            |
|        | AT12PS-CKIT               | 12 pos., Plug, Receptacle, Pins, Sockets, Wedges           |
|        | AT60-202-16NKIT           | AT60-202-16141 Pin Contact, Nickel                         |
|        | AT60-204-12NKIT           | AT60-204-12141 Pin Contact, Nickel (ATP Kit compatible)    |
|        | AT60-202-20NKIT           | AT60-202-20141 Pin Contact, Nickel (ATM Kit compatible)    |
|        | AT62-201-16NKIT           | AT62-201-16141 Socket Contact, Nickel                      |
|        | AT62-203-12NKIT           | AT62-203-12141 Socket Contact, Nickel (ATP Kit compatible) |
|        | AT62-201-20NKIT           | AT62-201-20141 Socket Contact, Nickel (ATM Kit compatible) |

| Series | Amphenol Sine Systems P/N | Contents of Kit                                  |
|--------|---------------------------|--|
| ATM    | ATM06-2S-KIT01            | 2 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATM06-3S-KIT01            | 3 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATM06-4S-KIT01            | 4 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATM06-6S-KIT01            | 6 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATM06-08SA-KT01           | 8 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATM06-12SA-KT01           | 12 pos., Plug, Female, Wedgelock, Contacts       |
|        | ATM04-2P-KIT01            | 2 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATM04-3P-KIT01            | 3 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATM04-4P-KIT01            | 4 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATM04-6P-KIT01            | 6 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATM04-08PA-KT01           | 8 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATM04-12PA-KT01           | 12 pos., Receptacle, Male, Wedgelock, Contacts   |
|        | ATM2PS-CKIT               | 2 pos., Plug, Receptacle, Pins, Sockets, Wedges  |
|        | ATM3PS-CKIT               | 3 pos., Plug, Receptacle, Pins, Sockets, Wedges  |
|        | ATM4PS-CKIT               | 4 pos., Plug, Receptacle, Pins, Sockets, Wedges  |
| ATP    | ATM6PS-CKIT               | 6 pos., Plug, Receptacle, Pins, Sockets, Wedges  |
|        | ATM8PS-CKIT               | 8 pos., Plug, Receptacle, Pins, Sockets, Wedges  |
|        | ATM12PS-CKIT              | 12 pos., Plug, Receptacle, Pins, Sockets, Wedges |
|        | ATP06-2S-KIT01            | 2 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATP06-4S-KIT01            | 4 pos., Plug, Female, Wedgelock, Contacts        |
|        | ATP04-2P-KIT01            | 2 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATP04-4P-KIT01            | 4 pos., Receptacle, Male, Wedgelock, Contacts    |
|        | ATP2PS-CKIT               | 2 pos., Plug, Receptacle, Pins, Sockets, Wedges  |
|        | ATP4PS-CKIT               | 4 pos., Plug, Receptacle, Pins, Sockets, Wedges  |

### For more information, contact:

Richard Zaleuke, NA Distribution Manager | Phone: +1 314 974 0501 | rzaleuke@sineco.com

# RT360™ Kits Are Now Available!!!



**Q:** Why are we offering "kits"?

**A:** Making "kits" available to our customers allows for reducing the number of part numbers necessary for any given project, whether for in-house production or field-serviceable applications.

Amphenol's **RT360™ Industrial Circular Connectors** are multiway connector available in 6 shell sizes and 22 insert arrangements with a variety of wire gauge options. RT360™ industrial circular connectors are designed to be intermateable with other industry standard connectors, such as the **Souriau TRIM TRIO UTG and UTP** industrial connector families and **Cannon Trident** series. All connectors are RoHS compliant.

**Market Applications:** Factory Automation & Control, Robotics, Railway & Mass Transit, Renewable Energy, Machine Tool and Power Generation.

## RT Series™

- 6 shell sizes/6 insert configurations
- Insert arrangements from 4-23 contacts
- Operating voltage of 300V
- Current rating: 13A(signal contacts)
- Alternate keying positions available
- Plastic inserts with flammability rating of UL94-VO



## RTOW Series™

- 6 shell sizes/5 insert configurations
- Mates with MIL-C-24682 connectors
- HD arrangements from 6-32 contacts
- Operating voltage of 150V
- Current rating: 7.5A (machined contacts); 5A (stamped and formed contacts)
- Alternate keying positions available
- Plastic inserts with flammability rating of UL94-VO



Part/Kit Availability for RT360™ Series

| Series | Amphenol Sine Systems P/N | Contents of Kit                        |
|--------|---------------------------|--|
| RT     | RT06104PNH-K              | Plug, Pin , 16AWG, 4 pin               |
|        | RT06123PNH-K              | Plug, Pin , 16AWG, 3 pin               |
|        | RT06128PNH-K              | Plug, Pin , 16AWG, 8 pin               |
|        | RT061412PNH-K             | Plug, Pin , 16AWG, 12 pin              |
|        | RT061619PNH-K             | Plug, Pin , 16AWG, 19 pin              |
|        | RT061823PNH-K             | Plug, Pin , 16AWG, 23 pin              |
|        | RT06104SNH-K              | Plug, Socket , 16AWG, 4 pin            |
|        | RT06123SNH-K              | Plug, Socket , 16AWG, 3 pin            |
|        | RT06128SNH-K              | Plug, Socket , 16AWG, 8 pin            |
|        | RT061412SNH-K             | Plug, Socket , 16AWG, 12 pin           |
|        | RT061619SNH-K             | Plug, Socket , 16AWG, 19 pin           |
|        | RT061823SNH-K             | Plug, Socket , 16AWG, 23 pin           |
|        | RT00104PNH-K              | Wall Mtg Recpt, Pin , 16AWG, 4 pin     |
|        | RT00123PNH-K              | Wall Mtg Recpt, Pin , 16AWG, 3 pin     |
|        | RT00128PNH-K              | Wall Mtg Recpt, Pin , 16AWG, 8 pin     |
|        | RT001412PNH-K             | Wall Mtg Recpt, Pin , 16AWG, 12 pin    |
|        | RT001619PNH-K             | Wall Mtg Recpt, Pin , 16AWG, 19 pin    |
|        | RT001823PNH-K             | Wall Mtg Recpt, Pin , 16AWG, 23 pin    |
|        | RT00104SNH-K              | Wall Mtg Recpt, Socket , 16AWG, 4 pin  |
|        | RT00123SNH-K              | Wall Mtg Recpt, Socket , 16AWG, 3 pin  |
|        | RT00128SNH-K              | Wall Mtg Recpt, Socket , 16AWG, 8 pin  |
|        | RT001412SNH-K             | Wall Mtg Recpt, Socket , 16AWG, 12 pin |
|        | RT001619SNH-K             | Wall Mtg Recpt, Socket , 16AWG, 19 pin |
|        | RT001823SNH-K             | Wall Mtg Recpt, Socket , 16AWG, 23 pin |
|        | RT07104PNH-K              | Jam Nut Recpt, Pin , 16AWG, 4 pin      |
|        | RT07123PNH-K              | Jam Nut Recpt, Pin , 16AWG, 3 pin      |
|        | RT07128PNH-K              | Jam Nut Recpt, Pin , 16AWG, 8 pin      |
|        | RT071412PNH-K             | Jam Nut Recpt, Pin , 16AWG, 12 pin     |
|        | RT071619PNH-K             | Jam Nut Recpt, Pin , 16AWG, 19 pin     |
|        | RT071823PNH-K             | Jam Nut Recpt, Pin , 16AWG, 23 pin     |
|        | RT07104SNH-K              | Jam Nut Recpt, Socket , 16AWG, 4 pin   |
|        | RT07123SNH-K              | Jam Nut Recpt, Socket , 16AWG, 3 pin   |
|        | RT07128SNH-K              | Jam Nut Recpt, Socket , 16AWG, 8 pin   |
|        | RT071412SNH-K             | Jam Nut Recpt, Socket , 16AWG, 12 pin  |
|        | RT071619SNH-K             | Jam Nut Recpt, Socket , 16AWG, 19 pin  |
|        | RT071823SNH-K             | Jam Nut Recpt, Socket , 16AWG, 23 pin  |

| Series | Amphenol Sine Systems P/N | Contents of Kit                        |
|--------|---------------------------|--|
| RTOW   | RTOW6106PNH-K             | Plug, Pin , 20AWG, 6 Pin               |
|        | RTOW61210PNH-K            | Plug, Pin , 20AWG, 10 Pin              |
|        | RTOW61419PNH-K            | Plug, Pin , 20AWG, 19 Pin              |
|        | RTOW61626PNH-K            | Plug, Pin , 20AWG, 26 Pin              |
|        | RTOW61832PNH-K            | Plug, Pin , 20AWG, 32 Pin              |
|        | RTOW6106SNH-K             | Plug, Socket , 20AWG, 6 Pin            |
|        | RTOW61210SNH-K            | Plug, Socket , 20AWG, 10 Pin           |
|        | RTOW61419SNH-K            | Plug, Socket , 20AWG, 19 Pin           |
|        | RTOW61626SNH-K            | Plug, Socket , 20AWG, 26 Pin           |
|        | RTOW61832SNH-K            | Plug, Socket , 20AWG, 32 Pin           |
|        | RTOW0106PNH-K             | Wall Mtg Recpt, Pin , 20AWG, 6 Pin     |
|        | RTOW01210PNH-K            | Wall Mtg Recpt, Pin , 20AWG, 10 Pin    |
|        | RTOW01419PNH-K            | Wall Mtg Recpt, Pin , 20AWG, 19 Pin    |
|        | RTOW01626PNH-K            | Wall Mtg Recpt, Pin , 20AWG, 26 Pin    |
|        | RTOW01832PNH-K            | Wall Mtg Recpt, Pin , 20AWG, 32 Pin    |
|        | RTOW0106SNH-K             | Wall Mtg Recpt, Socket , 20AWG, 6 Pin  |
|        | RTOW01210SNH-K            | Wall Mtg Recpt, Socket , 20AWG, 10 Pin |
|        | RTOW01419SNH-K            | Wall Mtg Recpt, Socket , 20AWG, 19 Pin |
|        | RTOW01626SNH-K            | Wall Mtg Recpt, Socket , 20AWG, 26 Pin |
|        | RTOW01832SNH-K            | Wall Mtg Recpt, Socket , 20AWG, 32 Pin |
|        | RTOW7106PNH-K             | Jam Nut Recpt, Pin , 20AWG, 6 Pin      |
|        | RTOW71210PNH-K            | Jam Nut Recpt, Pin , 20AWG, 10 Pin     |
|        | RTOW71419PNH-K            | Jam Nut Recpt, Pin , 20AWG, 19 Pin     |
|        | RTOW71626PNH-K            | Jam Nut Recpt, Pin , 20AWG, 26 Pin     |
|        | RTOW71832PNH-K            | Jam Nut Recpt, Pin , 20AWG, 32 Pin     |
|        | RTOW7106SNH-K             | Jam Nut Recpt, Socket , 20AWG, 6 Pin   |
|        | RTOW71210SNH-K            | Jam Nut Recpt, Socket , 20AWG, 10 Pin  |
|        | RTOW71419SNH-K            | Jam Nut Recpt, Socket , 20AWG, 19 Pin  |
|        | RTOW71626SNH-K            | Jam Nut Recpt, Socket , 20AWG, 26 Pin  |
|        | RTOW71832SNH-K            | Jam Nut Recpt, Socket , 20AWG, 32 Pin  |

|      |             |                                     |
|------|-------------|-------------------------------------|
| Acc. | QXRT20      | Extraction Tool, 20Awg              |
|      | QXRT16      | Extraction Tool, 16Awg              |
|      | MP20W23F-10 | 20Awg, Pin Contact, 10 Piece Bag    |
|      | MS20W23F-10 | 20Awg, Socket Contact, 10 Piece Bag |
|      | MP16M23F-10 | 16Awg, Pin Contact, 10 Piece Bag    |
|      | MS16M23S-10 | 16Awg, Socket Contact, 10 Piece Bag |

**For more information, contact:**

Richard Zaleuke, NA Distribution Manager | Phone: +1 314 974 0501 | rzaleuke@sineco.com



# MotionGrade™ M23 Kits Are Now Available!!!



**Q:** Why are we offering "kits"?

**A:** Making "kits" available to our customers allows for reducing the number of part numbers necessary for any given project, whether for in-house production or field-serviceable applications.

Amphenol's **MotionGrade™ M23 Connectors** are designed to excel in performance and reliability in our customers' most demanding environments where control signal transmission or power are required in a robust and compact system. Our innovations and experience as an industry leader in connector technology and total interconnect solutions allow us to offer such features as our FlexGrip™ Backshell System and custom machined contacts. These and other features combined with a simplistic design approach reduce initial procurement and assembly cost, while ensuring compatibility to all other existing standard layouts.

**Market Applications:** Advanced Servo Drive Encoder Feedback, Packaging, Robotics, Printing, Machine Tool, Medical and Automation environments.

## Specifications

- Temperature Range: -20 - +130°C
- Max. Current (AMP): 15A (2.0mm); 10A (1.0mm)
- Voltage Rating (AC/DC): 630V
- Contact Resistance: < 3m Ω
- Min. Mating Cycles: 50
- Test Voltage Rating: 6000V
- Sealing Protection: IP66/67 (plugged condition)
- Protective Grounding: Per VDE 0627
- Safety Protection: Per VDE 0623
- Strain Relief Clamp Range: 7.5-11mm
- Housing Body: Zinc, Die-cast
- Insulation Inserts: PA66, UL94/V0
- Contacts: Brass, Gold-plated
- Sealing Material: DuPont Viton®



## Part/Kit Availability for MotionGrade™ M23 Connectors

| Series | Amphenol Sine Systems P/N | Contents of Kit  |
|--------|---------------------------|--|
| A      | MA1CAE1200-KIT            | 12 pos., Plug, Female, E type, CW(Clockwise Rotation), Straight              |
|        | MA1CAP1200-KIT            | 12 pos., Plug, Female, P type, CCW(Counter-clockwise Rotation), Straight     |
|        | MA1CAE1700-KIT            | 17 pos., Plug, Female, E type, CW(Clockwise Rotation), Straight              |
|        | MA1CAP1700-KIT            | 17 pos., Plug, Female, P type, CCW(Counter-clockwise Rotation), Straight     |
|        | MA1LAE1200-KIT            | 12 pos., Receptacle, Male, E type, CW(Clockwise Rotation), Straight          |
|        | MA1LAP1200-KIT            | 12 pos., Receptacle, Male, P type, CCW(Counter-clockwise Rotation), Straight |
|        | MA1LAE1700-KIT            | 17 pos., Receptacle, Male, E type, CW(Clockwise Rotation), Straight          |
|        | MA1LAP1700-KIT            | 17 pos., Receptacle, Male, P type, CCW(Counter-clockwise Rotation), Straight |
| B      | MB1CKN0600-KIT            | 6 pos., Plug, Female, HC Crimp, Short housing                                |
|        | MB1CKN0800-KIT            | 8 pos., Plug, Female, HC Crimp, Short housing                                |
|        | MB1CKN0900-KIT            | 9 pos., Plug, Female, HC Crimp, Short housing                                |
|        | MB1LLN0600-KIT            | 6 pos., Receptacle, Male, Crimp, Long straight                               |
|        | MB1LLN0800-KIT            | 8pos., Receptacle, Male, Crimp, Long straight                                |
|        | MB1LLN0900-KIT            | 9 pos., Receptacle, Male, Crimp, Long straight                               |

**For more information, contact:**

Richard Zaleuke, NA Distribution Manager | Phone: +1 314 974 0501 | rzaleuke@sineco.com

# Heavy | Mate® Kits Are Now Available!!!



**Q:** Why are we offering "kits"?

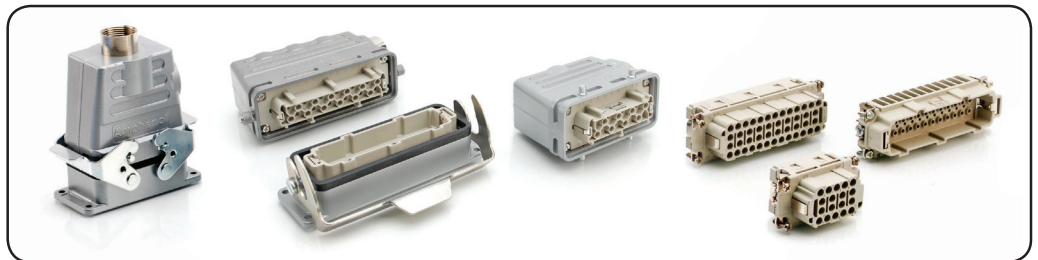
**A:** Making "kits" available to our customers allows for reducing the number of part numbers necessary for any given project, whether for in-house production or field-serviceable applications.

Amphenol's HeavyMate® Heavy Duty Connectors provide a robust design necessary for harsh industrial environments. They have a wide range of inserts for signal and power transmission and a large variety in pole sizes from 6 to 24 poles per connector. The HeavyMate® Connectors utilize Radsok® contact technology which correspond to the market standard and are suitable for high current applications with very low transition resistance.

**Market Applications:** Perfect for all Harsh Industrial Environments.

## Why Heavy|Mate?

- Robust design
- Very good EMC protection
- Power and signal transmission
- Secure locking system
- IP65
- Corrosion resistance
- Vibration proof
- VDE, UL, CSA approvals



## Part/Kit Availability for Heavy | Mate®

| Part | Amphenol Sine Systems P/N | Contents of Kit                                  |
|------|---------------------------|--|
| Plug | C14610E0069431M           | 6 Pole Plug, Single Latch, Side Entry Low, M25   |
|      | C14610E0069441M           | 6 Pole Plug, Single Latch, Top Entry Low, M25    |
|      | C14610E0069458M           | 6 Pole Plug, Single Latch, Side Entry High, M32  |
|      | C14610E0069468M           | 6 Pole Plug, Single Latch, Top Entry High, M32   |
|      | C14610E0109431M           | 10 Pole Plug, Single Latch, Side Entry Low, M25  |
|      | C14610E0109441M           | 10 Pole Plug, Single Latch, Top Entry Low, M25   |
|      | C14610E0109451M           | 10 Pole Plug, Single Latch, Side Entry High, M32 |
|      | C14610E0109461M           | 10 Pole Plug, Single Latch, Top Entry High, M32  |
|      | C14610E0169431M           | 16 Pole Plug, Single Latch, Side Entry Low, M32  |
|      | C14610E0169441M           | 16 Pole Plug, Single Latch, Top Entry Low, M32   |
|      | C14610E0249438M           | 24 Pole Plug, Dual Latch, Side Entry High, M32   |
|      | C14610E0249448M           | 24 Pole Plug, Dual Latch, Top Entry High, M32    |
|      | C14610E0249451M           | 24 Pole Plug, Dual Latch, Side Entry Low, M32    |
|      | C14610E0249461M           | 24 Pole Plug, Dual Latch, Top Entry Low, M32     |
|      | C14610E0249478M           | 24 Pole Plug, Single Latch, Side Entry High, M32 |
|      | C14610E0249488M           | 24 Pole Plug, Single Latch, Top Entry High, M32  |

| part           | Amphenol Sine Systems P/N | Contents of Kit                                  |
|----------------|---------------------------|--|
| Plug,<br>cont. | C14610E0249491M           | 24 Pole Plug, Single Latch, Side Entry Low, M32  |
|                | C14610E0249501M           | 24 Pole Plug, Single Latch, Top Entry Low, M32   |
|                | C14610E0249518M           | 24 Pole Plug, Dual Latch, Side Entry High, M40   |
|                | C14610E0249528M           | 24 Pole Plug, Dual Latch, Top Entry High, M40    |
|                | C14610E0249551M           | 24 Pole Plug, Single Latch, Side Entry High, M40 |
|                | C14610E0249568M           | 24 Pole Plug, Single Latch, Top Entry High, M40  |
| Recpt.         | C14610E0069401            | 6 Pole Recpt., Single Latch                      |
|                | C14610E0069421            | 6 Pole Recpt., Single Latch, Spring Cover        |
|                | C14610E0109411            | 10 Pole Recpt., Single Latch                     |
|                | C14610E0109421            | 10 Pole Recpt., Single Latch, Spring Cover       |
|                | C14610E0169411            | 16 Pole Recpt., Single Latch                     |
|                | C14610E0169421            | 16 Pole Recpt., Single Latch, Spring Cover       |
|                | C14610E0249401            | 24 Pole Recpt., Dual Latch                       |
|                | C14610E0249411            | 24 Pole Recpt., Single Latch                     |
|                | C14610E0249421            | 24 Pole Recpt., Single Latch, Spring Cover       |
|                |                           |  |

**For more information, contact:**

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