# Dura Mate<sup>TM</sup>



Circular Plastic Connectors for Heavy Duty Applications

# Dura | Mate

Circular Plastic Connectors for Heavy Duty Applications Available in Size 24 with 7, 9,18, 19, 21, 23, 27, 29, 31, 35 and 47 Insert Arrangements Available in Size 18 with 14 Insert Arrangement

The Amphenol Dura | Mate<sup>™</sup> environmentally sealed multi-pin thermoplastic circular connector series provides an economical quick-connect bayonet locking system manufactured to withstand the challenges and complexities of harsh environment off-road applications.



While maintaining compatibility with existing shell size 24 industry standard designs, ease of use was exceeded through enhanced ergonomics using an easy grip coupling system and visual and tactile indicators ensuring reliable mating confirmation. Wire management improvements include two different back shell systems that thread onto the rear of the connectors to provide strain relief and additional wire seal protection. The low cost, tie wrap option and the fully enclosed back shell are interchangeable for specific application requirements. Its rugged high performance capability is ideal for panel mount or in-line heavy-duty applications such as commercial vehicle, agriculture, construction or marine installations.









24-7 6 Size 12 1 Size 8 RADSOK®





24-9 1 Size 4 2 Size 8 6 Size 12





24-18 1 Size 8 3 Size 12 14 Size 16





24-19 6 Size 12 13 Size 16





24-21 4 Size 12 17 Size 16





24-23 23 Size 16





24-27 4 Size 12 23 Size 16









24-31 31 Size 16





24-35 3 Size 16 32 Size 20





24-47 5 Size 16 42 Size 20



### Features and Benefits

- Polarized for proper mating of connector halves
- High density signal and mixed power insert configurations
- Operating temperature range: -55C to +125C
- High current configurations incorporating revolutionary RADSOK® contacts
- High strength impact resistant & lightweight thermoplastic housings
- Contacts available in economical reel-mounted high volume machine termination or in machined loose-piece form.
- Low insertion force stamped terminals offer improved manufacturing efficiencies
- Wire entry sealing available in three separate ranges for discrete wire applications:

Recommended Wire Insulation Overall Diameter (OD)					
Contact Size	Normal Seal	Thin Seal	Reduced Seal		
20	N/A	N/A	1.02mm (.040") - 2.41mm (.095")		
16	2.54mm (.100") - 3.40 mm (.134")	2.23mm (.088") - 3.40mm (.134")	1.35mm (.053") - 3.05mm (.120")		
12	3.43mm (.135") - 4.32mm (.170")	N/A	2.46mm (.097") - 4.01mm (.158")		
8	4.83mm (.190") - 6.10mm (.240")	N/A	3.43mm (.135") - 5.50mm (.220")		
4	N/A	N/A	6.63mm (.261") - 7.42mm (.292")		

- Standard WTA (Wide Thread Adapter) provides maximum access to rear grommet and improved serviceability.
- Engineered rapid and secure mating system achieves IP69K protection from ingress of dust, water mud and other contaminants
- Redundant sealing features consisting of durable high temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels.
- Rigid back shells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges.

### Performance Specifications

### Shell Specifications

Current Rating per Contact	Size 4 100A; Size 8, 60A; Size 12, 25A; Size 16, 13A; Size 20, 7.5A	Coupling Nut	Thermoplastic
Operating Temperature	-55°C to +125°C	Insulation Insert	Thermoplastic
Dielectric Withstanding Voltage	Current Leakage - 12 milliamp at 1500 VAC	Seal	Silicone Rubber
Degree of Protection	IP67/IP69K	Color	Black
Mating Cycle Durability	100 Cycles	Contact	Common System
RoHS	Compliant		

### Features and Benefits (con't)

- Utilizes industry standard contact system
- Environmentally-sealed to IP69K and vibration resistant
- Wide threaded collar ring for increased serviceability and connector access (1)
- Highly visible indicators for quick alignment and 100% positive mating ig(2ig)
- Enclosed 1-piece threaded backshell with low-cost strain relief (3)
- Optional 2-piece threaded backshell with compression nut (4)
- Optional Size 24 snap over staight and 90°conduit strain relief backshell (5)







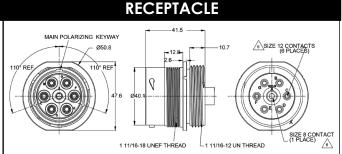
24

Contact Size	12	8
Contact Qty	6	1 RADSOK®
Seal OD Range NORMAL SEAL	3.43mm(.135") - 4.32mm (.170")	4.83mm (.190") - 6.10mm (.240")
Wire Range	10-14 AWG	7-10 AWG
Amperage	25	80





# SIZE 12 CONTACTS (6 PLACES) A0.3 MAIN POLARIZING KEYWAY 110° REF 110° REF



Standard and reverse terminal genders allows for custom polarization

Part Number AHDP06-24-07SN-WTA

Gender: Standard
Contact: Socket

### Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 7 positions, Socket, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-07PN-WTA

See Receptacle column on this page for more details

Part Number Gender: Standard Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 7 positions, Pin, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-07SN-WTA

See Plug column on this page for more details

Part Number Gender: Reversed Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 7 positions, Pin, reverse arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-07SN-WTA

See Receptacle column on this page for more details

Part Number Gender: Reversed AHDP04-24-07SN-WTA Contact: Socket

### Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 7 positions, Socket, reverse arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-07PN-WTA

See Plug column on this page for more details

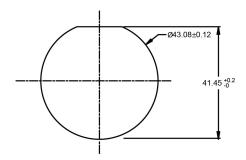


## 7 POSITION PLUGS & RECEPTACLES - CONTACTS

Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
8	SC000345	Machined <b>Radsok</b> ®	Pin	7-10	80	Silver
8	SC000346	Machined <b>Radsok</b> ®	Socket	7-10	80	Silver
8	SC000345-141	Machined	Pin	8-10	60	Nickel
8	SC000379	Machined	Socket	8-10	60	Nickel
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold

Recommended Panel Mounting Hole Recommended panel thickness: 1.6 to 4.7mm

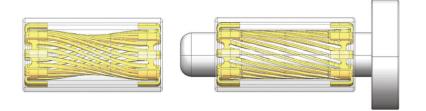








### RADSOK® Contacts





### The RADSOK® Design

- Socket cylinder within female contact has several equally spaced longitudinal beams twisted into a hyperbolic shape
- As a male pin is inserted, axial members in the female half deflect, imparting high current flow across the connection with minimal voltage loss
- The hyperbolic, stamped grid configuration ensures a large, coaxial, face-to-face surface area engagement
- Ideal for crimp termination applications requiring repeated mating cycles and high current with a low multi-volt drop

### RADSOK® Technical Data

### **High Reliability**

Unique  $RADSOK^{\circledR}$  design and construction technology creates an electrical contact interface that exceeds typical interconnect requirements. Applications in Aerospace, Medical, Industrial, Automotive, Mining, Offshore and other harsh environments depend on the high reliability of Amphenol  $RADSOK^{\circledR}$  technology.

### Low Contact Engagement/Separation Forces

The hyperbolic lamella socket contact construction distributes normal forces over a high percentage of the mating surface. This creates a smooth, even engagement effort. This force distribution also contributes to excellent performance in vibration applications with resistance to typical fretting corrosion.

### **Low Contact Resistance**

The large interface between the socket lamella and pin surface result in very low contact resistance, enabling the  $RADSOK^{(B)}$  contacts high current ratings compared to traditional power contact designs.

### **High Mating Cycle Durability**

**RADSOK**<sup>®</sup> contacts with typical silver plating finishes have demonstrated survival of 10,000 mating cycles. Even with continuous exposure to harsh environmental abuse (salt, sand and high humidity), **RADSOK**<sup>®</sup> contacts have been tested to maintain low contact resistance beyond 10,000 mating cycles.

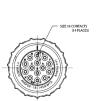
Contact Size	16
Contact Qty	14
Seal OD Range	
NORMAL SEAL	2.54mm (.100") - 3.40mm (.134")
REDUCED SEAL	1.35mm (.053") - 3.05mm (.120")
Wire Range	14-20 AWG
Amperage	13



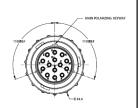


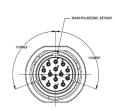
RECEPTACLE

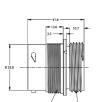
# PLUG

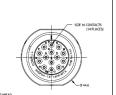












Standard and reverse terminal genders allows for custom polarization

Part Number
AHDP06-18-14SN-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: NORMAL, Green

Description: Size 18 Plug with 14 positions, Socket, standard arrangement, norm`al seal, wide thread adapter

Mating Part(s): AHDP04-18-14PN-WTA, AHDP04-18-14PR-WTA

See Receptacle column on this page for more details

Part Number

AHDP04-18-14PN-WTA

Gender: Standard
Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 18 Receptacle with 14 positions, Pin, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-18-14\$N-WTA, AHDP06-18-14\$R-WTA

See Plug column on this page for more details

Part Number
AHDP06-18-14SR-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 18 Plug with 14 positions, Socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-18-14PN-WTA, AHDP04-18-14PR-WTA

See Receptacle column on this page for more details

Part Number

Gender: Standard
Contact: Pin

AHDP04-18-14PR-WTA

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 18 Receptacle with 14 positions, Pin, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-18-14SN-WTA, AHDP06-18-14SR-WTA

See Plug column on this page for more details





Shell Size 18

PLUG

RECEPTACLE

AHDP06-18-14PN-WTA

Gender: Reversed Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 18 Plug with 14 positions, Pin, reversed arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-18-14SN-WTA, AHDP04-18-14SR-WTA

See Receptacle column on this page for more details

AHDP04-18-14SN-WTA Gender: Reversed Contact: Socket

### Rear Seal Type: NORMAL, Green

Description: Size 18 Receptacle with 14 positions, Socket, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-18-14PN-WTA, AHDP06-18-14PR-WTA

See Plug column on this page for more details

Part Number
AHDP06-18-14PR-WTA

Gender: Reversed Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 18 Plug with 14 positions, Pin, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-18-14SN-WTA, AHDP04-18-14SR-WTA

See Receptacle column on this page for more details

Part Number Gender: Reversed AHDP04-18-14\$R-WTA Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 18 Receptacle with 14 positions, Socket, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-18-14PN-WTA, AHDP06-18-14PR-WTA

See Plug column on this page for more details

### CONTACTS

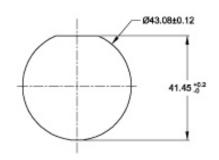
Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel



# 14 POSITION PLUGS & RECEPTACLES- CONTACTS (con't)

Shell Size 18

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel



Part Numbe	
Panel Nut,	Shell Size 18





Contact Size	04	08	12
Contact Qty	1	2	6
Seal OD Range			
REDUCED SEAL	6.63mm (.261")- 7.42mm (.292")	3.43mm (.135")- 5.59mm (.220")	2.46mm (.097'') - 4.01mm (.158'')
Wire Range	6 AWG	8-10 AWG	10-14 AWG
Amperage	100	60	25





# PLUG SIZ A CONTACTS (CR ACC) SIZ A CONTACTS (CR ACC) SIZ OCCUTACTS (CR ACC)

Standard and reverse terminal genders allows for custom polarization

Part Number

AHDP06-24-09SR-WTA

Gender: Standard
Contact: Socket

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 9 positions, Socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-09PR-WTA

See Receptacle column on this page for more details

AHDP04-24-09PR-WTA Gender: Standard Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 9 positions, Pin, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-09SR-WTA

See Plug column on this page for more details

AHDP06-24-09PR-WTA Gender: Reversed Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug, 9 positions, Pin, reversed arrangment, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-09SR-WTA

See Receptacle column on this page for more details

Part Number
AHDP04-24-09SR-WTA
Gender: Reversed
Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle, 9 positions, Socket, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-09PR-WTA

See Plug column on this page for more details

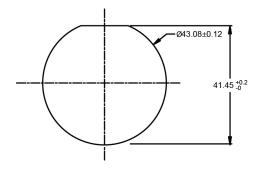




# 9 POSITION PLUGS & RECEPTACLES - CONTACTS

Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
04	AT60-204-0490	Machined	Pin	6	100	Nickel
04	AT62-203-04141	Machined	Socket	6	100	Nickel
08	AT62-203-08141	Machined	Socket	6	100	Nickel
08	AT60-204-08141	Machined	Pin	8-10	60	Nickel
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel



Part Nu AHDP	mber 2 <b>4-PN</b> 01
Panel	Nut, Shell Size 24







24

Contact Size	08	12	16
Contact Qty	1	3	14
Seal OD Range			
normal seal	4.83mm (.190'')- 6.10mm (.240'')	3.43mm (.135")- 4.32mm (.170")	2.54mm (.100")- 3.40mm (.134")
REDUCED SEAL	3.43mm (.135")- 5.59mm (.220")	2.46mm (.097")- 4.01mm (.158")	1.35mm (.053")- 3.05mm (.120"))
Wire Range	8-10 AWG	10-14 AWG	14-20 AWG
Amperage	60	25	13





# RECEPTACLE \*\*SET-LOWRICES\*\* O PAGES \*\*SET-

Standard and reverse terminal genders allows for custom polarization

Part Number Gender: S
AHDP06-24-18SN-WTA
Contact: S

Gender: Standard Contact: Socket

### Rear Seal Type: NORMAL, GREEN

Description: Size 24 Plug, 18 positions, socket, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-18PN-WTA, AHDP04-24-18PR-WTA

See Receptacle column on this page for more details

AHDP06-24-18SR-WTA Gender: Standard Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug, 18 positions, socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-18PN-WTA, AHDP04-24-18PR-WTA

See Receptacle column on this page for more details

Part Number Gender: Standard Contact: Pin

### Rear Seal Type: NORMAL, GREEN

Description: Size 24 Receptacle, 18 positions, Pin, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-18SN-WTA, AHDP06-24-18SR-WTA

See Plug column on this page for more details

AHDP04-24-18PR-WTA Gender: Standard Contact: Pin

### Rear Seal Type: NORMAL, Blue

Description: Size 24 Receptacle, 18 positions, Pin, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-18SN-WTA, AHDP06-24-18SR-WTA

See Plug column on this page for more details



> **PLUG RECEPTACLE**

Standard and reverse terminal genders allows for custom polarization

Part Number AHDP06-24-18PN-WTA Gender: Reversed Contact: Pin

Rear Seal Type: NORMAL, GREEN Description: Size 24 Plug, 18 positions, pin, reversed arangment, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-18SN-WTA, AHDP04-24-18SR-WTA

See Receptacle column on this page for more details

Part Number

Gender: Reversed

AHDP06-24-18PR-WTA Contact: Pin

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug, 18 positions, pin, reversed arangment, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-18SN-WTA, AHDP04-24-18SR-WTA

See Receptacle column on this page for more details

Part Number AHDP04-24-18SN-WTA

Gender: Reversed Contact: Socket

Rear Seal Type: NORMAL, GREEN

Description: Size 24 Receptacle, 18 positions, socket, reversed arrangment, normal seal, wide thread

Mating Part(s): AHDP06-24-18PN-WTA, AHDP06-24-18PR-WTA

See Plug column on this page for more details

**Part Number** 

AHDP04-24-18SR-WTA

Gender: Reversed Contact: Socket

Rear Seal Type: NORMAL, Blue

Description: Size 24 Receptacle, 18 positions, socket, reversed arrangment, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-18PN-WTA, AHDP06-24-18PR-WTA

See Plug column on this page for more details



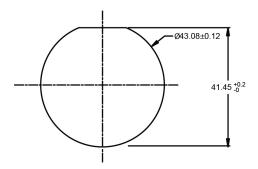
### **CONTACTS**

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
08	AT60-204-08141	Machined	Pin	8-10	60	Nickel
08	AT60-203-08141	Machined	Pin	8-10	60	Nickel
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel











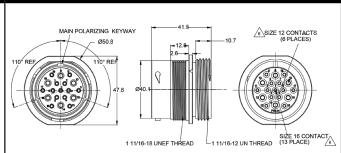
Shell Size 24

Contact Size	12	16
Contact Qty	6	13
Seal OD Range		
NORMAL SEAL	3.43mm (.135")-4.32mm (.170")	2.54mm (.100")-3.40mm (.134")
REDUCED SEAL	2.46mm (.097")-4.01mm (.158")	1.35mm (.053")-3.05mm (.120")
Wire Range	10-14 AWG	14-20 AWG
Amperage	25	13





# PLUG SIZE 16 CONTACTS (13 PLACES) MAIN POLARIZING KEYWAY 110 REF 110 RE



**RECEPTACLE** 

Standard and reverse terminal genders allows for custom polarization

Part Number
AHDP06-24-19SN-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 19 positions, Socket, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-19PN-WTA, AHDP04-24-19PR-WTA

See Receptacle column on this page for more details

AHDP04-24-19PN-WTA Gender: Standard Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 19 positions, Pin, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-19SN-WTA, AHDP06-24-19SR-WTA

See Plug column on this page for more details

Part Number AHDP06-24-19SR-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 19 positions, Socket, standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-19PN-WTA, AHDP04-24-19PR-WTA

See Receptacle column on this page for more details

Part Number Gender: Standard Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 19 positions, Pin, standard arrangement, RD01 reduced diameter, wide thread adapter

Mating Part(s): AHDP06-24-19SN-WTA, AHDP06-24-19SR-WTA

See Plug column on this page for more details

### **PLUG**

Gender: Reversed

AHDP06-24-19PN-WTA

Contact: Pin

Contact: Pin

Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 19 positions, Pin, reverse arrangement, normal seal, wide thread

adapter

Part Number

Mating Part(s): AHDP04-24-19SN-WTA,

AHDP04-24-19SR-WTA

See Receptacle column on this page for more details

Gender: Reversed

thread adapter

**Part Number** Gender: Reversed Contact: Socket

**RECEPTACLE** 

Description: Size 24 Receptacle with 19 positions,

AHDP06-24-19PR-WTA

Socket, reverse arrangement, normal seal, wide

Gender: Reversed

Contact: Socket

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 19 positions, Pin, reverse arrangement, RD01 reduced diameter seal,

wide thread adapter

AHDP06-24-19PR-WTA

Mating Part(s): AHDP04-24-19SN-WTA, AHDP04-24-19SR-WTA

See Receptacle column on this page for more details

AHDP04-24-19SR-WTA

Mating Part(s): AHDP06-24-19PN-WTA,

See Plug column on this page for more details

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 19 positions, Socket, reverse arrangement, RD01 reduced

diameter, wide thread adapter

AHDP04-24-19SN-WTA

Rear Seal Type: NORMAL, Green

Mating Part(s): AHDP06-24-19PN-WTA, AHDP06-24-19PR-WTA

See Plug column on this page for more details

### 19 Position Plugs & Receptacles- Contacts

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel

### 19 POSITION PLUGS & RECEPTACLES- CONTACTS (con't)

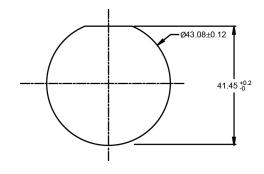


Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel





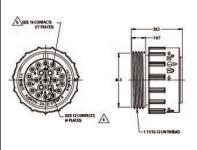


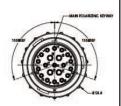
Contact Size	12	16
Contact Qty	4	17
Seal OD Range		
normal seal	3.43mm (.135")-4.32mm (.170")	2.54mm (.100")-3.40mm (.134")
REDUCED SEAL	2.46mm (.097")-4.01mm (.158")	1.35mm (.053")-3.05mm (.120")
Wire Range	10-14 AWG	14-20 AWG
Amperage	25	13



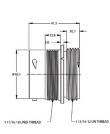


# PLUG

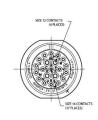








**RECEPTACLE** 



Standard and reverse terminal genders allows for custom polarization

Part Number Gender
AHDP06-24-21SN-WTA Conta

Gender: Standard Contact: Socket

### Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 21 positions, Socket, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-21PN-WTA, AHDP04-24-19PR-WTA

See Receptacle column on this page for more details

Part Number

AHDP04-24-21PN-WTA

Gender: Standard Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 21 positions, Pin, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-21SN-WTA, AHDP06-24-21SR-WTA

See Plug column on this page for more details

Part Number AHDP06-24-21SR-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 21 positions, Socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-21PN-WTA, AHDP04-24-19PR-WTA

See Receptacle column on this page for more details

Part Number

AHDP04-24-21PR-WTA Con

Gender: Standard

Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 21 positions, Pin, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-21SN-WTA, AHDP06-24-21SR-WTA

See Plug column on this page for more details



### 21 POSITION PLUGS & RECEPTACLES - CONTACTS

DURA | MATE 21 POSITIONS 25A,13A

Shell Size 24

PLUG RECEPTACLE

Part Number Gender: Reversed AHDP06-24-21PN-WTA Contact: Pin

Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 21 positions, Pin, reversed arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-21SN-WTA, AHDP04-24-21SR-WTA

See Receptacle column on this page for more details

AHDP04-24-21SN-WTA
Gender: Reversed
Contact: Socket

Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 21 positions, Socket, reversed arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-21PN-WTA, AHDP06-24-21PR-WTA

See Plug column on this page for more details

Part Number Gender: Reversed AHDP06-24-21PR-WTA Contact: Pin

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 21 positions, Pin, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-21SN-WTA, AHDP04-24-21SR-WTA

See Receptacle column on this page for more details

Part Number Gender: Reversed AHDP04-24-21SR-WTA Contact: Socket

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 21 positions, Socket, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-21PN-WTA, AHDP06-24-21PR-WTA

See Plug column on this page for more details

### 21 Position Plugs & Receptacles- Contacts

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel



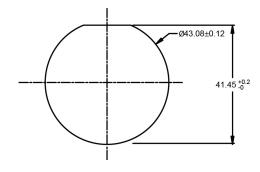
# 21 POSITION PLUGS & RECEPTACLES- CONTACTS (con't)

Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel









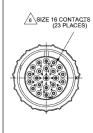
Shell Size 24

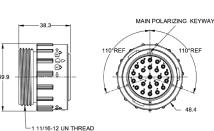
Contact Size	16
Contact Qty	23
Seal OD Range	
NORMAL SEAL	2.54mm (.100") - 3.40mm (.134")
REDUCED SEAL	1.35mm (.053") - 3.05mm (.120")
Wire Range	14-20 AWG
Amperage	13

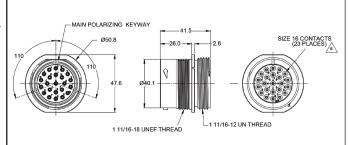




### JG RECEPTACLI







Standard and reverse terminal genders allows for custom polarization

Part Number
AHDP06-24-23SN-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: NORMAL SEAL, Blue

Description: Size 24 Plug with 23 positions, Socket, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP04-24-23PN-WTA, AHDP04-24-23PR-WTA

See Receptacle column on this page for more details

Part Number GAHDP04-24-23PN-WTA CO

Gender: Standard Contact: Pin

### Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 23 positions, Pin, standard arrangement, normal seal, wide thread adapter

Mating Part(s): AHDP06-24-23SN-WTA, AHDP06-24-23SR-WTA

See Plug column on this page for more details

Part Number
AHDP06-24-23SR-WTA

Gender: Standard
Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 23 positions, Socket, standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-23PN-WTA, AHDP04-24-23PR-WTA

See Receptacle column on this page for more details

Part Number
AHDP04-24-23PR-WTA

Gender: Standard Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 23 positions, Pin, standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP06-24-23SN-WTA, AHDP06-24-23SR-WTA

See Plug column on this page for more details



**PLUG** 

Gender: Reversed AHDP06-24-23PN-WTA Contact: Pin

Rear Seal Type: NORMAL, Green

Description: Size 24 Plug with 23 positions, Pin, reverse arrangement, normal seal, wide thread

adapter

**Part Number** 

**Shell Size** 24

Mating Part(s): AHDP04-24-23SN-WTA, AHDP04-24-23SR-WTA

See Receptacle column on this page for more details

Part Number AHDP06-24-23PR-WTA

Gender: Reversed Contact: Pin

Description: Size 24 Plug with 23 positions, Pin, reverse arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-23SN-WTA, AHDP04-24-23SR-WTA

See Receptacle column on this page for more details

**RECEPTACLE** 

**Part Number** AHDP04-24-23SN-WTA

Gender: Reversed Contact: Socket

Rear Seal Type: NORMAL, Green

Description: Size 24 Receptacle with 23 positions, Socket, reverse arrangement, normal seal, wide

thread adapter

Mating Part(s): AHDP06-24-23PN-WTA,

AHDP06-24-23PR-WTA

See Plug column on this page for more details

Part Number AHDP04-24-23SR-WTA

Gender: Reversed Contact: Socket

Description: Size 24 Receptacle with 23 positions, Socket, reverse arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP06-24-23PN-WTA, AHDP06-24-23PR-WTA

See Plug column on this page for more details

### 23 Position Plugs & Receptacles - Contacts

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold

For custom insert configurations, please consult factory



# 23 POSITION PLUGS & RECEPTACLES - CONTACTS

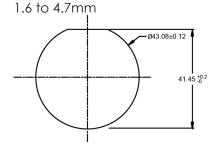




Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold

Recommended Panel Mounting Hole Recommended panel thickness:







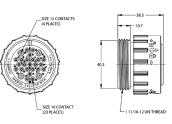


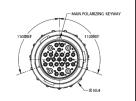
Contact Size	12	16
Contact Qty	4	23
Seal OD Range		
REDUCED SEAL	2.46mm (.097")-4.01mm (.158")	1.35mm (.053")-3.05mm (.120")
Wire Range	10-14 AWG	14-20 AWG
Amperage	25	13

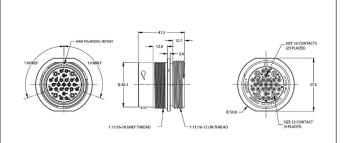




### **PLUG**







RECEPTACLE

Standard and reverse terminal genders allows for custom polarization

Part Number
AHDP06-24-27SR-WTA

Gender: Standard Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 27 positions, Socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-27PR-WTA

See Receptacle column on this page for more details

Part Number
AHDP06-24-27PR-WTA
Gender: Reversed
Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 27 positions, Pin, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-27SR-WTA

See Receptacle column on this page for more details

Part Number (AHDP04-24-27PR-WTA)

Gender: Standard Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 27 positions, Pin, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-27SR-WTA

See Plug column on this page for more details

Part Number AHDP04-24-27SR-WTA

Gender: Reversed Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 27 positions, Socket, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-27PR-WTA

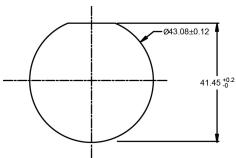
See Plug column on this page for more details



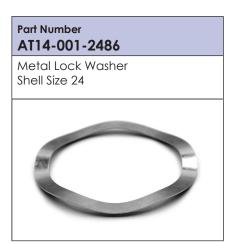
## 27 Position Plugs & Receptacles- Contacts

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel





Part Number AHDP24-PN01
Panel Nut, Shell Size 24





Shell Size 24

Contact Size	20	16	12
Contact Qty	6	19	4
Seal OD Range			
REDUCED SEAL	1.02mm (.040'') - 2.41mm (.095'')	1.35mm (.053'') - 3.05mm (.120'')	2.46mm (.097") - 4.01mm (.158")
Wire Range	16-22 AWG	14-20 AWG	10-14 AWG
Amperage	7.5	13	25





# RECEPTACLE ASIZE 16 CONTACTS (19 PLACES) MAIN POLARIZING KEYWAY MAIN POLARI

Standard and reverse terminal genders allows for custom polarization

AHDP06-24-29SR-WTA Gender: Standard Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 29 positions, Socket standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-29PR-WTA

See Receptacle column on this page for more details

AHDP04-24-29PR-WTA Gender: Standard Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 29 positions, Pin, standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP06-24-29SR-WTA

See Plug column on this page for more details

AHDP06-24-29PR-WTA Gender: Reversed Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 29 positions, Pin reverse arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-29SR-WTA

See Receptacle column on this page for more details

Part Number Ger
AHDP04-24-29SR-WTA Cor

Gender: Reversed Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 29 positions, Socket, reverse arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP06-24-29PR-WTA

See Plug column on this page for more details





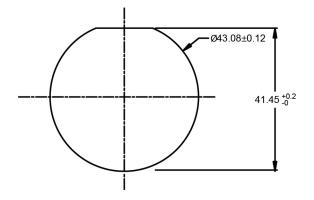
## 29 POSITION PLUGS & RECEPTACLES - CONTACTS

Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
12	AT60-204-12141	Machined	Pin	12-14	25	Nickel
12	AT60-220-1231	Machined	Pin	12-14	25	Gold
12	AT62-203-12141	Machined	Socket	12-14	25	Nickel
12	AT62-210-1231	Machined	Socket	12-14	25	Gold
12	AT60-12-0222	Stamped & Formed	Pin	10-12	25	Nickel
12	AT60-12-0244	Stamped & Formed	Pin	10-12	25	Gold
12	AT62-12-0222	Stamped & Formed	Socket	10-12	25	Nickel
12	AT62-12-0244	Stamped & Formed	Socket	10-12	25	Gold
12	AT60-12-0166	Stamped & Formed	Pin	12-14	25	Nickel
12	AT60-12-0144	Stamped & Formed	Pin	12-14	25	Gold
12	AT62-12-0166	Stamped & Formed	Socket	12-14	25	Nickel
12	AT62-12-0144	Stamped & Formed	Socket	12-14	25	Gold
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
20	AT60-202-20141	Machined	Pin	20-22	7.5	Nickel
20	AT60-202-2031	Machined	Pin	20-22	7.5	Gold
20	AT62-201-20141	Machined	Socket	20-22	7.5	Nickel
20	AT62-201-2031	Machined	Socket	20-22	7.5	Gold
20	AT60-20-0122	Stamped & Formed	Pin	16-22	7.5	Nickel
20	AT60-20-0144	Stamped & Formed	Pin	16-22	7.5	Gold
20	AT62-20-0122	Stamped & Formed	Socket	16-22	7.5	Nickel
20	AT62-20-0144	Stamped & Formed	Socket	16-22	7.5	Gold



Shell Size 24









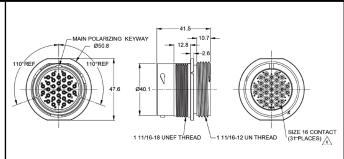
Contact Size	16
Contact Qty	31
Seal OD Range	
REDUCED SEAL	1.35mm (.053") - 3.05mm (.120")
THIN SEAL	2.23mm (.088") - 3.40mm (.134")
Wire Range (AWG)	14-20 AWG
Amperage	13





RECEPTACLE

# PLUG MAIN POLARIZING KEYWAY 110 110 110 110 110



Standard and reverse terminal genders allows for custom polarization

Part Number

AHDP06-24-31SR-WTA

SIZE 16 CONTACT (31 PLACES)

> Gender: Standard Contact: Socket

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 31 positions, Socket, standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-31PR-WTA, AHDP04-24-31PT-WTA

See Receptacle column on this page for more details

Part Number

AHDP04-24-31PR-WTA

Gender: Standard Contact: Pin

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 31 positions, Pin, standard arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP06-24-31SR-WTA, AHDP06-24-31ST-WTA

See Plug column on this page for more details

Part Number AHDP06-24-31ST-WTA

Gender: Standard Contact: Socket

Rear Seal Type: THIN SEAL, Grey

Description: Size 24 Plug with 31 positions, Socket, standard arrangement, thin seal, wide thread adapter

Mating Part(s): AHDP04-24-31PR-WTA, AHDP04-24-31PT-WTA

See Receptacle column on this page for more details

Part Number AHDP04-24-31PT-WTA

Gender: Standard Contact: Pin

Rear Seal Type: THIN SEAL, Grey

Description: Size 24 Receptacle with 31 positions, Pin, standard arrangement, thin seal, wide thread adapter

Mating Part(s): AHDP06-24-31SR-WTA, AHDP06-24-31ST-WTA

See Plug column on this page for more details





Shell Size 24

### PLUG RECEPTACLE

Part Number
AHDP06-24-31PR-WTA
Gender: Reversed
Contact: Pin

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 31 positions, Pin, reverse arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP04-24-31SR-WTA, AHDP04-24-31ST-WTA

See Receptacle column on this page for more details

AHDP04-24-31SR-WTA Gender: Reversed Contact: Socket

Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 31 positions, Socket, reverse arrangement, RD01 reduced diameter seal, wide thread adapter

Mating Part(s): AHDP06-24-31PR-WTA, AHDP06-24-31PT-WTA

See Plug column on this page for more details

Part Number
AHDP06-24-31PT-WTA
Gender: Reversed
Contact: Pin

Rear Seal Type: THIN SEAL, Grey

Description: Size 24 Plug with 31 positions, Pin, reverse arrangement, thin seal, wide thread adapter

Mating Part(s): AHDP04-24-31SR-WTA, AHDP04-24-31ST-WTA

See Receptacle column on this page for more details

Part Number Gender: Reversed AHDP04-24-31ST-WTA Contact: Socket

Rear Seal Type: THIN SEAL, Grey

Description: Size 24 Receptacle with 31 positions, Socket, reverse arrangement, thin seal, wide thread adapter

Mating Part(s): AHDP06-24-31PR-WTA, AHDP06-24-31PT-WTA

See Plug column on this page for more details

### 31 Pin Plugs & Receptacles - Contacts

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold



24

16

16

### 31 POSITION PLUGS & RECEPTACLES

Stamped & Formed

Stamped & Formed

Contact Part No. Type (Pin/Socket) Wire Range **AMP** Plating Size (AWG) 16 AT60-16-0122 Stamped & Formed Pin 16-18 13 Nickel 16 AT60-16-0144 Stamped & Formed Pin 16-18 13 Gold 16 13 AT60-16-0622 Stamped & Formed Pin 18-20 Nickel 16 13 AT60-16-0644 Stamped & Formed Pin 18-20 Gold 14-16 16 AT62-14-0122 Stamped & Formed Socket 13 Nickel 13 16 AT62-14-0144 Stamped & Formed Socket 14-16 Gold 13 16 AT62-16-0122 Stamped & Formed Socket 16-18 Nickel 16 AT62-16-0144 Stamped & Formed Socket 16-18 13 Gold

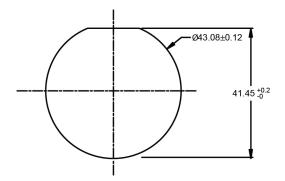
Socket

Socket

Recommended Panel Mounting Hole Recommended Panel thickness: 1.6 to 4.7mm

AT62-16-0622

AT62-16-0644





18-20

18-20

13

13

Nickel

Gold





Shell Size 24

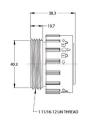
Contact Size	20	16
Contact Qty	32	3
Seal OD Range		
REDUCED SEAL	1.02mm (.040") - 2.41mm (.095")	1.35mm (.053") - 3.05mm (.120")
Wire Range	16-22 AWG	14-20 AWG
Amperage	7.5	13

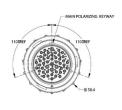


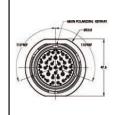


### PLUG RECEPTACLE













Standard and reverse terminal genders allows for custom polarization

Part Number
AHDP06-24-35SR-WTA

Gender: Standard
Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug, 35 positions, socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-35PR-WTA, AHDP04-24-35PR-WTA

See Receptacle column on this page for more details

Part Number

AHDP04-24-35PR-WTA

Gender: Standard
Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle, 35 positions, pin, standard arrangement, reduced seal wide thread adapter

Mating Part(s): AHDP06-24-35SR-WTA, AHDP06-24-35SR-WTA

See Plug column on this page for more details

Part Number

AHDP06-24-35PR-WTA Contact: Pin

Gender: Reversed

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug, 35 positions, pin, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-35SR-WTA, AHDP04-24-35SN-WTA

See Receptacle column on this page for more details

Part Number

AHDP04-24-35SR-WTA

Gender: Reversed Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle, 35 positions, socket, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-47PR-WTA

See Plug column on this page for more details

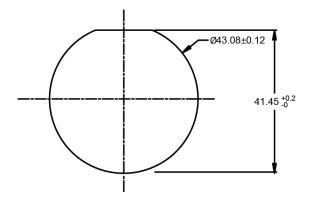


# 35 POSITION PLUGS & RECEPTACLES - CONTACTS

24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
20	AT60-202-20141	Machined	Pin	20-22	7.5	Nickel
20	AT60-202-2031	Machined	Pin	20-22	7.5	Gold
20	AT62-201-20141	Machined	Socket	20-22	7.5	Nickel
20	AT62-201-2031	Machined	Socket	20-22	7.5	Gold
20	AT60-20-0122	Stamped & Formed	Pin	16-22	7.5	Nickel
20	AT60-20-0144	Stamped & Formed	Pin	16-22	7.5	Gold
20	AT62-20-0122	Stamped & Formed	Socket	16-22	7.5	Nickel
20	AT62-20-0144	Stamped & Formed	Socket	16-22	7.5	Gold

Shell Size **24** 









### 47 POSITION PLUGS & RECEPTACLES - CONTACTS

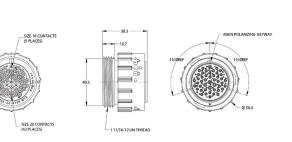
# Shell Size 24

Contact Size	20	16
Contact Qty	42	5
Seal OD Range		
REDUCED SEAL	1.02mm (.040") - 2.41mm (.095")	1.35mm (.053") - 3.05mm (.120")
Wire Range	16-22 AWG	14-20 AWG
Amperage	7.5	13

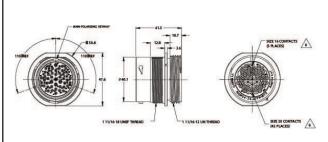




### PHUG



### **RECEPTACLE**



Standard and reverse terminal genders allows for custom polarization

Part Number	Gender: Standard
	Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 47 positions, Socket, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-47PR-WTA

See Receptacle column on this page for more details

Part Number	Gender: Standard
AHDP04-24-47PR-WTA	Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 47 positions, Pin, standard arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-47SR-WTA

See Plug column on this page for more details

Part Number

AHDP06-24-47PR-WTA

Gender: Reversed
Contact: Pin

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Plug with 47 positions, Pin, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP04-24-47SR-WTA

See Receptacle column on this page for more details

Part Number
AHDP04-24-47\$R-WTA
Gender: Reversed
Contact: Socket

### Rear Seal Type: REDUCED SEAL, Blue

Description: Size 24 Receptacle with 47 positions, Socket, reversed arrangement, reduced seal, wide thread adapter

Mating Part(s): AHDP06-24-47PR-WTA

See Plug column on this page for more details



# 47 Position Plugs & Receptacles

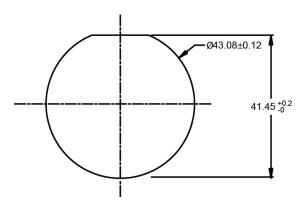




Shell Size 24

Contact Size	Part No.	Туре	(Pin/Socket)	Wire Range (AWG)	AMP	Plating
16	AT60-215-16141	Machined	Pin	14	13	Nickel
16	AT60-215-1631	Machined	Pin	14	13	Gold
16	AT62-209-16141	Machined	Socket	14	13	Nickel
16	AT62-209-1631	Machined	Socket	14	13	Gold
16	AT60-202-16141	Machined	Pin	16-20	13	Nickel
16	AT60-202-1631	Machined	Pin	16-20	13	Gold
16	AT62-201-16141	Machined	Socket	16-20	13	Nickel
16	AT62-201-1631	Machined	Socket	16-20	13	Gold
16	AT60-14-0122	Stamped & Formed	Pin	14-16	13	Nickel
16	AT60-14-0144	Stamped & Formed	Pin	14-16	13	Gold
16	AT62-14-0122	Stamped & Formed	Socket	14-16	13	Nickel
16	AT62-14-0144	Stamped & Formed	Socket	14-16	13	Gold
16	AT60-16-0122	Stamped & Formed	Pin	16-18	13	Nickel
16	AT60-16-0144	Stamped & Formed	Pin	16-18	13	Gold
16	AT62-16-0122	Stamped & Formed	Socket	16-18	13	Nickel
16	AT62-16-0144	Stamped & Formed	Socket	16-18	13	Gold
16	AT60-16-0622	Stamped & Formed	Pin	18-20	13	Nickel
16	AT60-16-0644	Stamped & Formed	Pin	18-20	13	Gold
16	AT62-16-0622	Stamped & Formed	Socket	18-20	13	Nickel
16	AT62-16-0644	Stamped & Formed	Socket	18-20	13	Gold
20	AT60-202-20141	Machined	Pin	20-22	7.5	Nickel
20	AT60-202-2031	Machined	Pin	20-22	7.5	Gold
20	AT62-201-20141	Machined	Socket	20-22	7.5	Nickel
20	AT62-201-2031	Machined	Socket	20-22	7.5	Gold
20	AT60-20-0122	Stamped & Formed	Pin	16-22	7.5	Nickel
20	AT60-20-0144	Stamped & Formed	Pin	16-22	7.5	Gold
20	AT62-20-0122	Stamped & Formed	Socket	16-22	7.5	Nickel
20	AT62-20-0144	Stamped & Formed	Socket	16-22	7.5	Gold

# Shell Size 24







# Part Number WA23-DS

Heavy Duty Pneumatic Crimp Tool



Part Number WA23-138DA

Die Assembly for WA23-DS Heavy Duty Pneumatic Crimp Tool, Size 4



Part Number WA23-2

Die Assembly for WA23-DS Heavy Duty Pneumatic Crimp Tool, Size 8



Part Number WA23-11

Contact Locater, Size 4



Part Number WA23-10

Contact Locater, Size 8



Part Number MFX-3973

Size 12 Crimp Die for Stamped and Formed Contacts



Part Number MFX-3950

Size 16 Crimp Die for Stamped and Formed Contacts 18-20 AWG



Part Number MFX-3953

Size 16 Crimp Die for Stamped and Formed Contacts 16-18 AWG



Part Number MFX-3974

Size 20 Crimp Die for Stamped and Formed Contacts



# Part Number CA-5D12

Universal Hand Crimp Tool, Size 12/16/20 Solid Contacts Only



# Part Number CA-5E12

Pneumatic Crimp Tool, Size 12/16/20 Solid Contacts Only



# Part Number ATT-20-00

Size 20 Stamped and Formed Contact Tool 20 AWG



# Part Number ATT-16-00

Size 16 Stamped and Formed Contact Tool 14-16 AWG



# Part Number ATT-16-01

Size 16 Stamped and Formed Contact Tool 18-20 AWG



# Part Number ATT-12-00

Size 12 Stamped and Formed Contact Tool 12 AWG



# Part Number **AT11-240-2005**

Contact Removal Tool, plastic, Size 20



# Part Number AT11-310-1605

Contact Removal Tool, plastic Size 16



# Part Number **AT11-337-1205**

Contact Removal Tool, plastic Size 12



# Part Number AT11-001-3.6M

Contact Removal Tool, plastic Size 8 (3.6 mm)



# Part Number AT114008

Contact Removal Tool, plastic Size 8



# Part Number AT11-027-0405

Contact Removal Tool, plastic Size 4, 4AWG



# Part Number AT114009

Contact Removal Tool, plastic Size 4, 6AWG



### **DURAMATE ACCESSORIES**

# Part Number AHDPBS-0406-001

Size 24 Backshell WTA



# Part Number AHDPBS-0406-002

Size 24 Backshell WTA with compression nut Cable diameter range: .57-.71"



# Part Number AHDPBS-0406-003

Size 24 Backshell WTA with compression nut

Cable diameter range: ..76-.95"



# Part Number AHDPBS-18-001

Size 18 Backshell WTA



Part Number AHDPBS-18-002

Size 18 Backshell WTA with compression nut . Cable diameter range 14.5mm - 18.0mm



# Part Number AHDPBS-010-2405

Size 24 Backshell, Conduit snap over straight



Part Number AHDPBS-011-2405

Size 24 Backshell, Conduit snap over right angle



Part Number AHDP-16-04477

Size 24 Rubber Flange Seal



# Part Number AHDP-16-04978

Size 18 Rubber Flange Seal



# Part Number AHDC04-18

Size 18 Plug cap, sealed



# Part Number AHDC06-18

Size 18 Receptacle cap, sealed



# Part Number AHDC06-24

Size 24 Receptacle cap, sealed



Part Number AHDC04-24-PM

Size 24 Protective Plug Cap threaded and sealed



Part Number
AHDC04-24-PMT

Size 24 Protective Plug Cap threaded and sealed with tether



Part Number AHDC04-24

Size 24 Protective Plug Cap, sealed



Part Number AHDC04-24-T

Size 24 Protective Plug Cap, sealed with tether



Part Number A114018

Seal Plug, Size 8, 8-10 AWG



# Part Number A114019

Seal Plug, Size 4, 4-6 AWG

