

PLUG,24-09 POS, SOCKET CONT, REDUCED DIA. SEAL, AHDP

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK SEAL: SILICONE RUBBER

2. MODIFICATIONS: THREADED ADAPTER; REDUCED DIA. WIRE SEAL

### 3. SPECIFICATIONS:

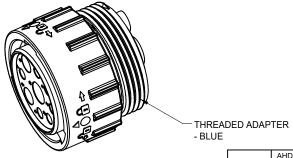
- 3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
- 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
- 3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
- 3.4 MOISTURE RESISTANCE: IP67&IP69K ( MATED CONDITION ).

SIZE 4 CONTACTS (1 PLACE)

- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDP04-24-09P\* (\* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

### 6 CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
04	6.63 mm (.261 in)	7.42 mm (.292 in)	6 AWG	100 AMPS
08	3.43 mm (.135in)	5.59 mm (.220 in)	8-10 AWG	60 AMPS
12	2.46 mm (.097in)	4.01 mm (.158 in)	10-14 AWG	25 AMPS



DED ADAPTER					
AHDP06-24-09SR-WTA					
PART NUMBER DESCRIPTION ITEM -					
QUANTITY MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). DRAWN: K85001 27JUN18  Amphenol					
1 PL DEC ±0.30 Fractions ±1/64					
2 PL DEC ±0.15 3 PL DEC ±0.08 Angles ±1° CHECKED: Orion 27JUN18 Sine Systems - www.amphenol-sine.com					
3) Note reference = XX ENGINEER: 44724 Morley Drive Clinton Township, MI 48036					
MATERIAL SPECIFICATIONS: Tommy 27JUN18					
PEDICED DIA SEMI AUDI SERIES					
THIS DRAWING IS SUPPLIED FOR REDUCED DIA. SEAL, AND SERIES PROCESS SPECIFICATIONS: SPECIFICATIONS AND PERFORMANCE DATA SIZE TYPE DWG NO: REVISION					
SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION, NO RIGHTS B C AHDP06-24-09SR-WTA A2					
NEXT ASSY:  DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.  SCALE: NONE  SHEET 1 OF 1					

# A Series™ - Contact Size 4 Options (Works with: ATHD and DuraMate Series)

Machined Contacts, Pins and Sockets					
Part Number	Description	Size	AWG	Туре	Amps
AT60-203-04141-4	Male Contact - Pin, Copper Alloy, Nickel-Plated	4	4	Machined	100A
AT60-204-0490	Male Contact - Pin, Copper Alloy, Nickel-Plated	4	6	Machined	100A
AT62-203-04141-4	Female Contact - Socket, Copper Alloy, Nickel-Plated	4	4	Machined	100A
AT62-203-04141	Female Contact - Socket, Copper Alloy, Nickel-Plated	4	6	Machined	100A

	Tooling - Machined Contacts		
Part Number	Description		
WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961		
WA23-138DA	Die Assembly -for Heavy Duty Pneumatic Crimp Tool, Size 4		
WA23-11	Contact Locator, Size 4		
96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires		
AT11-027-0405	Contact Removal Tool, Plastic, Size 4, 4AWG		

# A Series™ - Contact Size 8 Options (Works with: ATHD and DuraMate Series)

Machined Contacts, Pins and Sockets					
Part Number	Description	Size	AWG	Туре	Amps
AT60-204-08141	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT62-203-08141	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT60-204-08141-16	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	6	Machined	60A
AT62-203-08141-16	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	6	Machined	60A

	Tooling - Machined Contacts			
Part Number	Description			
WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961			
WA23-2	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 8			
WA23-3	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 6			
WA23-10	Contact Locator, Size 6 and Size 8			
96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires			
AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG			

# **A Series™** - Contact Size 12 Options (Works with: AHD-6, ATP, ATHD, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Туре	
*AT60-204-12141-10	Male Contact - Pin, Nickel-plated	12	10-12	Machined	
*AT62-203-12141-10	Female Contact - Socket, Nickel-plated	12	10-12	Machined	
AT60-220-1231	Male Contact - Pin, Gold-plated	12	12-14	Machined	
AT62-210-1231	Female Contact - Socket, Gold-plated	12	12-14	Machined	
AT60-204-12141	Male Contact - Pin, Nickel-plated	12	12-14	Machined	
AT62-203-12141	Female Contact - Socket, Nickel-plated	12	12-14	Machined	

<sup>\*</sup>Works with ATP Series only

	DiagnosticGrade™ Machined Contacts, Sockets & Pins  • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective					
	Part Number Description Size AWG Type					
Γ	65-54749	Male Contact - DiagnosticGrade™, Pin, Gold-plated	12	20	Machined	
	AT62-210-1231-1820	Female Contact - DiagnosticGrade™, Socket, Gold-plated	12	20	Machined	

	Tooling - Machined Contacts				
Part Number	Description				
AUTK-12	Hand Crimp Tool, Size 12				
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20				
CA-5D12	CA-5D12 Universal Hand Crimp Tool, Size 12/16/20				
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20				
M300-25A	Hand Crimp Tool used with Crimp Locator MFX-3966, Size 12, 10AWG				
MFX-3966	Contact Locator used with Hand Crimp Tool M300-25A, Size 12, 10AWG				

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)					
Part Number	Part Number Description				
ATRT-100	Contact and Wedgelock Extraction Tool				
AT11-337-1205	AT11-337-1205 Contact Removal Tool, Plastic, Size 12				

	Sealing Plugs (For both Machined or Stamped & Formed Contacts)			
Part Number	Description			
A114017	Sealing Plug, Size 12, White			

Stamped & Formed Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Туре		
AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed		
AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed		
AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed		
AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed		
AT60-12-0144	Male Contact - Pin, Gold-plated	12	12-14	Stamped & Formed		
AT62-12-0144	Female Contact - Socket, Gold-plated	12	12-14	Stamped & Formed		
AT60-12-0166	Male Contact - Pin, Nickel-plated	12	12-14	Stamped & Formed		
AT62-12-0166	Female Contact - Socket, Nickel-plated	12	12-14	Stamped & Formed		

Tooling - Stamped & Formed Contacts	
Part Number	Description
MFX-3973	Crimp Die - Size 12
MFX-3985	Crimp Die - Svize 12, 10-12AWG -02XX Series
ATT-12-00	Hand Crimp Tool - Size 12, 12AWG
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG