

- 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:

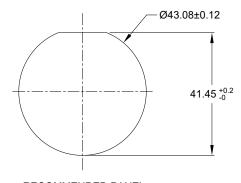
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION):

IP69K(MATED CONDITION)

- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDP06-24-09S\* (\* = 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 (16.0-13.0mm²)	100 AMPS
08	3.43 mm (.135in)	5.59 mm (.220 in)	8-10 AWG (10.0-5.0mm²)	60 AMPS
12	2.46 mm (.097in)	4.01 mm (.158 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS

7.RECEPTACLE IS SUPPLIED WITH DUST CAP.



RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



05NOV21 Tommy RECEPTACLE,24-09 POS, PIN CONTACT WEIGHT:50.8G REDUCED DIA. SEAL. AHDP SERIES THIS DRAWING IS SUPPLIED FOR NFORMATION ONLY. DESIGN FEATURES, PROCESS SPECIFICATIONS INFORMATION ONLY. DESIGN FEAT UNES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.

NEXT ASS'Y:

В SCALE: NONE SHEET 1 OF 1

THREADED ADAPTER

- BLUE

AHDP04-24-09PR-WTA REV.

## **DuraMate™ AHDP** - Contact Size 12 Options

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	

DiagnosticGrade™ Machined Contacts, Sockets & Pins  • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective				
Part Number Description		Size	AWG	Туре
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	Part Number	Description	
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)	
3	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)	

Contact Removal Tools			
Part	Part Number	Description	
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12	
	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	Part Number	Description		
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)		
	MFX-3985	Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series		
	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)		
	АП-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)		

## **ATHD Series** $^{\text{TM}}$ - Contact Size 8 Options

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	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	
Mary 18 Mary 18 Mary 18	WA23-10	Contact Locator, Size 6 and Size 8	
THE REAL PROPERTY.	96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires	
	AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG	

## **ATHD Series** $^{\text{TM}}$ - Contact Size 4 Options

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	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	
nazarii Danoida	WA23-11	Contact Locator, Size 4	
ANN ANN	96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires	
	AT11-027-0405	Contact Removal Tool, Plastic, Size 4, 4AWG	