

BUSHING

2X SCREW AND LOCK WASHER

2X LATCH SEGMENT 2X RECOMMENDED TORQUE: 1.5-2.0 NM-

BACKSHELL

NOTES: UNLESS OTHERWISE SPECIFIED

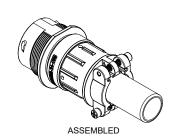
1. RECEPTACLE MATERIAL: SHELL: ZINC ALLOY, NICKEL PLATED INSERT AND RETAINING RING: THERMOPLASTIC SEAL: SILICONE RUBBER

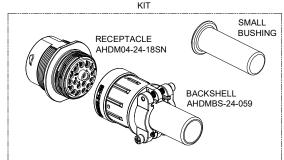
2. BACKSHELL MATERIAL:

SHELL: ALUMINIUM ALLOY, NICKEL PLATED: LATCH SEGMENT: ALUMINIUM ALLOY, NICKEL PLATED; SCREW AND LOCK WASHER: STAINLESS STEEL; BUSHING: EPDM.

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).
- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. APPLY TO CABLE OD SIZE: Ø11.20-Ø24.08 . CAN BE USED:
 - 4.1. WITH LARGE AND SMALL BUSHINGS IN PLACE.
 - 4.2. WITH ONLY LARGE BUSHING IN PLACE.
 - 4.3. WITH BOTH BUSHINGS REMOVED.
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- 6. SEE SPECIFIC RECEPTACLE DRAWING FOR:
 - 6.1 CONTACT SIZE AND WIRE RANGE.
 - 6.2 RETAINING RING COLOR.
 - 6.3 MATING PART(S).
 - 6.4 CONTACT LAYOUT AND ALL OTHER SPECIFICATIONS.





AHDM04-24-18SN-059 HD34-24-18SN-059 PART NUMBER DESCRIPTION ITEM QUANTITY MATERIALS LIST UNLESS OTHERWISE SPECIFIED SIGNATURES DATE Amphenol J. HEAD 16MAR2020 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MJ 48036 MATERIAI SPECIFICATIONS CUSTOMER: DURAMATE AHDM RECEPT, SIZE 24, WD THD, THIS DRAWING IS SUPPLED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DA'S SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHOUS THE AMPHENOL NO PROPER TO PROPER TO PROPER THE PROPERTO OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. KIT W/ CABLE CLAMP BACKSHELL PROCESS SPECIFICATIONS B C-AHDM04-24-18SN-059 NEXT ASS'Y CALE: NONE SHEET 1 OF 1

KIT, RECPT AND BACKSHELL, SZ 24 DWG NO:

REV: A1 SH:

AT Series™ - Contact Size 16 Options

Machined Contacts, Sockets & Pins							
Part Number	Description	Size	AWG	Туре			
AT60-215-1631	Male Contact - Pin, Gold-plated	16	14	Machined			
AT62-209-1631	Female Contact - Socket, Gold-plated	16	14	Machined			
AT60-215-16141	Male Contact - Pin, Nickel-plated	16	14	Machined			
AT62-209-16141	Female Contact - Socket, Nickel-plated	16	14	Machined			
AT60-202-1631	Male Contact - Pin, Gold-plated	16	16-20	Machined			
AT62-201-1631	Female Contact - Socket, Gold-plated	16	16-20	Machined			
AT60-202-16141	Male Contact - Pin, Nickel-plated	16	16-20	Machined			
AT62-201-16141	Female Contact - Socket, Nickel-plated	16	16-20	Machined			
AT60-202-1631-22	Male Contact - Pin, Gold-plated	16	22-24	Machined			
AT62-201-1631-22	Female Contact - Socket, Gold-plated	16	22-24	Machined			
AT60-202-16141-22	Male Contact - Pin, Nickel-plated	16	22-24	Machined			
AT62-201-16141-22	Female Contact - Socket, Nickel-plated	16	22-24	Machined			

Tooling - Machined Contacts				
Part	Part Number	Description		
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)		
33	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)		

Contact Removal Tools					
Part	Part Number	Description			
	ATRT-100	Used for removal of contacts for A Series™ products			
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16			
4	A114017	Sealing Plug, Size 16, White			

Stamped & Formed Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Туре		
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-16	Stamped & Formed		
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-16	Stamped & Formed		
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-16	Stamped & Formed		
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-16	Stamped & Formed		
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed		
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed		
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed		
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed		
AT60-16-0644	Male Contact - Pin, Gold-plated	16	18-20	Stamped & Formed		
AT62-16-0644	Female Contact - Socket, Gold-plated	16	18-20	Stamped & Formed		
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	18-20	Stamped & Formed		
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	18-20	Stamped & Formed		
AT60-16-0844	Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed		
AT62-16-0844	Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed		
AT60-16-0822	Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed		
AT62-16-0822	Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed		

Tooling - Stamped & Formed Contacts						
Part	Part Number	Description				
	MFX-3950	Crimp Die - Size 16, 18-20AWG (S&F contacts only)				
	MFX-3953	Crimp Die - Size 16, 16-18AWG (S&F contacts only)				
	MFX-3975	Crimp Die - Size 16, 14-16AWG (S&F contacts only)				
	MFX-3990	Crimp Die - Size 16, 20-22AWG (S&F contacts only)				
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only)				
K	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only)				
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only)				

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MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

Machined Contacts, Sockets & Pins							
Part Number	Part Number Description						
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	umber Description Size AWG Type						
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)		
33	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)					
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)					

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DuraMate™ ATHD Series™ - 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

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
mat	WA23-10	Contact Locator, Size 8
THE AND	96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires

Contact Removal Tools			
Part	Part Number	Description	
	AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG	