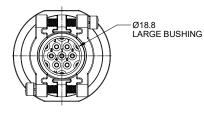


Ø39.7 BUSHING **BACKSHELL** 2X SCREW AND -LOCK WASHER 2X LATCH SEGMENT 2X RECOMMENDED TORQUE: 1.5-2.0 NM-



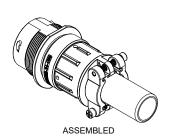
NOTES: UNLESS OTHERWISE SPECIFIED

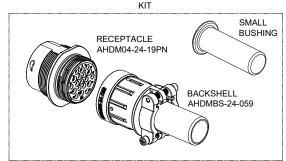
1. RECEPTACLE MATERIAL: SHELL: ZINC ALLOY, NICKEL PLATED INSERT AND RETAINING RING: THERMOPLASTIC SEAL: SILICONE RUBBER

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.





	AHDM04-2	24-19PN-059 HD34-24-19PN-059		9								
	PART NUMBER			DESCRIPTION				ITE	М			
QUANTITY		MA	T	ERI	ALS	; LI	ST					7
1) All dimensions a		SIGNATURI	ES	DATE		$\overline{\Lambda}$	mp	sha	n	\overline{A}		
2) Tolerances are a		DRAWN: J. HEAD		16MAR2020			71 1 1 F	או וכ	7 I I	O I		
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°			.com								
3) Note reference	3) Note reference = X				44724 Morley Drive Clinton Township, MI 48036							
MATERIAL SPECIFICA	APPROVAL: MATERIAL SPECIFICATIONS:											+
		CUSTOMER:			DURA		E AHDM R	- ,		,),
PROCESS SPECIFICA			IED FO	OR EATURES,		KIT W	// CABLE	CLAMP	BACK	SHELI	-	
S T O		SPECIFICATIONS AND PE SHOWN HEREON ARE TH THE AMPHENOL CORPOR OF REPRODUCTION ARE DIMENSIONS ARE SUBJECT.	E PRO	DPERTY OF N. NO RIGHTS IED. ALL	В	C-	AHDM	04-24-	19PN	-059	A'	1
		MANUFACTURING VARIAT		i.	SCALE: NO	ONE			SHEET	1 (DF 1	

DWG NO: AHDM04-24-19PN-059

REV: A1 SH:

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

^{*}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	Туре	
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	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			

Con	Contact Removal Tools (For both Machined or Stamped & Formed Contacts)				
Part Number Description					
ATRT-100	Contact and Wedgelock Extraction Tool				
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		

A Series™ - Contact Size 16 Options (Works with: AT, ATV, AHD-9, ARC, DuraMate and PanelMate Series)

	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 Number	Description		
AUTK-16	Hand Crimp Tool, Size 16		
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20		
CA-5D12	Universal Hand Crimp Tool, Size 12/16/20		
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20		

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)			
Part Number	Description		
ATRT-100	Contact and Wedgelock Extraction Tool		
AT11-310-1605	Contact Removal Tool, Plastic, Size 16		

Sealing Plugs (For both Machined or Stamped & Formed Contacts)			
Part Number	Description		
A114017	Sealing Plug, Size 16, White		
A114017-SR	Sealing Plug, Size 16, SR01 Series, Black		
AT13-217-1605	Locking Sealing Plug, Size 16, Grey		
AT13-217-1605-SR	Locking Sealing Plug, Size 16, SR01 Series, Red		

Stamped & Formed Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Туре	
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed	
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed	
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed	
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-18	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	
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed	
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed	
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed	
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed	
AT60-16-0644	Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed	
AT62-16-0644	Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed	
AT60-16-0677	Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed	
AT62-16-0677	Female Contact - Socket, Tin-plated	16	16-20	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	
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	

Tooling - Stamped & Formed Contacts			
MFX-3950	Crimp Die - Size 16, 18-20AWG		
MFX-3953	Crimp Die - Size 16, 16-18AWG		
MFX-3975	Crimp Die - Size 16, 14-16AWG		
MFX-3990	Crimp Die - Size 16, 20-22AWG		
ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG		
ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG		
ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG		