

NOTES: UNLESS OTHERWISE SPECIFIED

1. PLUG MATERIAL:

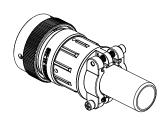
SHELL: ZINC ALLOY, NICKEL PLATED COUPLING RING: ALUMINUM ALLOY, NICKEL PLATED INSERT AND RETAINING RING: THERMOPLASTIC SEAL: SILICONE RUBBER

2. BACKSHELL MATERIAL:

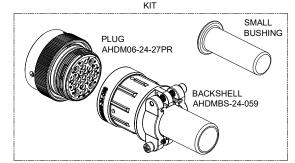
SHELL: ALUMINIUM ALLOY, NICKEL PLATED; LATCH SEGMENT: ALUMINIUM ALLOY, NICKEL PLATED; SCREW AND LOCK WASHER: STAINLESS STEEL; BUSHING: EPDM.

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 PLUG 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.







		AHDM06-2	24-27PR-059 HD36-24-27PE-069									
		PART N	NUMBER			DESCRIPTION				ITEM		
	QUANTITY		N	TAN	ERI	٩LS	S LI	ST				
	UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 Fractions ±1/64 2 PL DEC ±0.08 Angles ±1* 3) Note reference = X		SIGNATURES DATE				mnk		<u></u>	\overline{a}		
			DRAWN:	J. HEAD	16MAR2020	Amphenol				OI		
			CHECKED:			Sine Systems - www.amphenol-sine.com				.com		
			ENGINEER:			44724 Morley Drive Clinton Township, MI 48036						
	MATERIAI SPECIFICA	TIONS:	APPROVAL:					Clinton Township,	IVII 40U	30		
	MATERIAL SPECIFICATIONS.		CUSTOMER:			DUI		TE AHDM PLU				ΓHD,
			THIS DRAWING				KIT W	V/ CABLE CLA	MP B	ACKS	3HELL	
	PROCESS SPECIFICATIONS: NEXT ASSY:		SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL		B	C-	AHDM06-	24-2	7PR-	-059	A1	
					SCALE: N	ONE			SHEET	1 or	1	

KIT,PLUG AND BACKSHELL,SZ 24 DWG NO: AHDM06-24-27PR-059

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)			
5	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	Type		
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		

	Too	ling - Stamped & Formed Contacts	
Part	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)	
	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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ATP Series™ - Contact Size 12 Options

	Machined Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Type			
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			

• Smaller AWG for	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)			
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			
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12			
4	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			
Ł	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)			

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