

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:

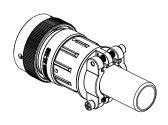
- 3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
- 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
- 3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
- 3.4 MOISTURE RESISTANCE: IP67 & IP69K (MATED CONDITION).
- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT

4. APPLY TO CABLE OD SIZE: Ø11.20-Ø24.08 . CAN BE USED:

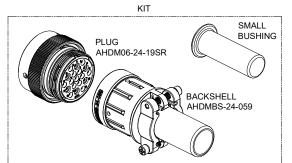
- 4.1. WITH LARGE AND SMALL BUSHINGS IN PLACE.
- 4.2. WITH ONLY LARGE BUSHING IN PLACE.
- 4.3. WITH BOTH BUSHINGS REMOVED.

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.







	AHDM06-24-19SR-059		HD36-24-19SE-069				
	PART NUMBER			DESCRIPTION			ITEM
QUANTITY		MA	TERI	ALS LI	ST		
	UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm).		Amphen		nol		
2) Tolerances are a		DRAWN: J. HEAD	16MAR2020		ппрпе		
2 PL DEC ±0.15 3 PL DEC ±0.08	2 PL DEC ±0.15 Angles ±1°			Sine Systems - www.amphenol-sine.com 44724 Morley Drive			
MATERIAL SPECIFICA					Clinton Township, MI 48		
		CUSTOMER:	•		TE AHDM PLUG, S V/ CABLE CLAMP F	,	HD,
PROCESS SPECIFICA	PROCESS SPECIFICATIONS:		ED FOR IGN FEATURES,		.,		
SHOWN HEREON. THE AMPHENOL CO OF REPRODUCTIO DIMENSIONS ARE		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		В С-	AHDM06-24-1		A1
		MANUFACTURING VARIAT		SCALE: NONE		sнеет 1 оғ	1

DWG NO: AHDM06-24-19SR-059

KIT,PLUG AND BACKSHELL,SZ 24

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)			
3	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)			

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

	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)				
	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	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	AT62-203-12141 Female Contact - Socket, Nickel-plated		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)			
35	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)			

Contact Removal Tools					
Part	Part Number	Description			
refer turbs	ATRT-100	Used for removal of contacts for A Series™ products			
	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)				

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