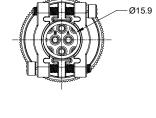


		REVISIONS			
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1		RELEASED	16MAR2020	J. HEAD	DH



NOTES: UNLESS OTHERWISE SPECIFIED

1. PLUG MATERIAL:

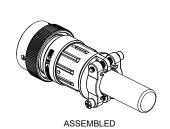
SHELL: ZINC ALLOY, NICKEL PLATED COUPLING RING: ALUMINUM ALLOY, NICKEL PLATED INSERT AND RETAINING RING: THERMOPLASTIC SEAL: SILICONE RUBBER

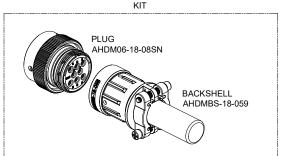
2. BACKSHELL MATERIAL:

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
- APPLY BACKSHELL TO CABLE OD SIZE: Ø11.20-Ø19.30 . CAN BE USED WITH OR WITHOUT BUSHING.
- 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.





	AHDM06-1	HD36-18-08	BN-059			
	PART NUMBER		DESCRIPTION		DESCRIPTION	ITEM
QUANTITY		MA	TEF	81 /	ALS LIST	
	UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm).		S DA	TE	Amphonol	
2) Tolerances are a		DRAWN: J. HEAD	16MAR	2020	Amphenol	
2 PL DEC ±0.15 3 PL DEC ±0.08	2 PL DEC ±0.15 Angles ±1°				Sine Systems - www.amphenol-sine.com	
3) Note reference					44724 Morley Drive Clinton Township, MI 48036	
MATERIAL SPECIFICATIONS:		APPROVAL:			Cilitori Township, IVII 40000	
			'		DURAMATE AHDM PLUG, SIZE 18, WD TH	HD,
			ED FOR IGN FEATURE	s	KIT W/ CABLE CLAMP BACKSHELL	
PROCESS SPECIFICATIONS: NEXT ASSY:		SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMPASSIONS ARE SUBJECT TO NORMAL		DATA OF GHTS	B C- AHDM06-18-08SN-059	A1
		MANUFACTURING VARIAT			SCALE: NONE SHEET 1 OF	1

8-08SN-059 REV: A1 SH:

KIT,PLUG AND BACKSHELL,SZ 18

SH 1 OF

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	

DiagnosticGrade™ Machined Contacts, Sockets & Pins • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective					
Part Number	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			
	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)			

Amphenol Sine Systems 44724 Morley Drive Clinton Township, MI 48036 USA www.amphenol-sine.com 09/2021