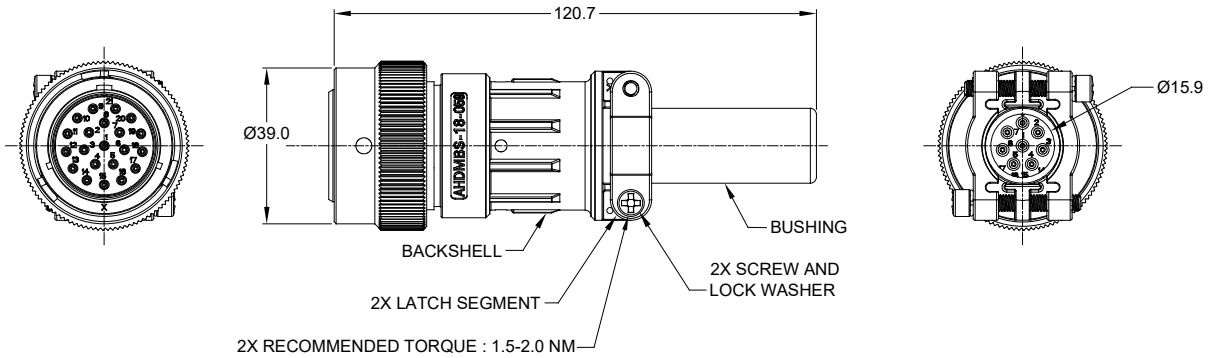
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASED	16MAR2020	J. HEAD	DH



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

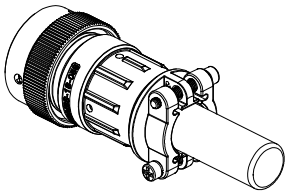
2. BACKSHELL MATERIAL:
   SHELL: ALUMINIUM ALLOY, NICKEL PLATED;
   LATCH SEGMENT: ALUMINIUM ALLOY, NICKEL PLATED;
   SCREW AND LOCK WASHER: STAINLESS STEEL;
   BUSHING: EPDM.

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

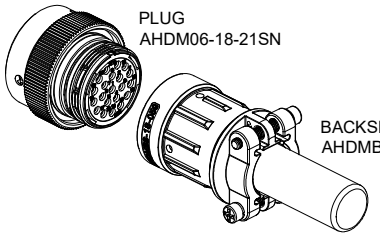
4. APPLY BACKSHELL TO CABLE OD SIZE: Ø11.20-Ø19.30 . CAN BE USED WITH OR WITHOUT BUSHING.

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.


ASSEMBLED

KIT



	AHDM06-18-21SN-059	HD36-18-21SN-059	
	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST		

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 ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES	DATE
DRAWN: J. HEAD	16MAR2020
CHECKED:	
ENGINEER:	
APPROVAL:	
CUSTOMER:	

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

DURAMATE AHDM PLUG, SIZE 18, WD THD, KIT W/ CABLE CLAMP BACKSHELL

SIZE	TYPE	DWG NO:	REVISION
B	C-	AHDM06-18-21SN-059	A1

SCALE: NONE SHEET 1 OF 1

TITLE: KIT,PLUG AND BACKSHELL,SZ 18
DWG NO: AHDM06-18-21SN-059
REV: A1
SH: 1
OF: 1

A Series™ - Contact Size 20 Options (Works with: ATM, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-010-2031	Male Contact - Pin, Gold-plated	20	16-18	Machined
AT62-005-20141	Female Contact - Socket, Gold-plated	20	16-18	Machined
AT60-010-20141	Male Contact - Pin, Nickel-plated	20	16-18	Machined
AT62-005-2031	Female Contact - Socket, Nickel-plated	20	16-18	Machined
AT60-202-2031	Male Contact - Pin, Gold-plated	20	20-22	Machined
AT62-201-2031	Female Contact - Socket, Gold-plated	20	20-22	Machined
AT60-202-20141	Male Contact - Pin, Nickel-plated	20	20-22	Machined
AT62-201-20141	Female Contact - Socket, Nickel-plated	20	20-22	Machined

Tooling - Machined Contacts	
Part Number	**Description**
AUTK-20	Hand Crimp Tool, Size 20
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
AT11-240-2005	Contact Removal Tool, Plastic, Size 20

Sealing Plugs (For both Machined or Stamped & Formed Contacts)	
Part Number	**Description**
AT13-204-2005	Sealing Plug, Size 20, White
AT13-204-2005-SR	Sealing Plug, Size 20, SR01 Series, Black
ATM13-217-2005	Locking Sealing Plug, Size 20, Grey
ATM13-217-2005-SR	Locking Sealing Plug, Size 20, SR01 Series, Blue

Stamped & Formed Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-20-0144	Male Contact - Pin, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0144	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0244	Male Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0244	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0222	Male Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0222	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0277	Male Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT62-20-0277	Female Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT60-20-0422	Male Contact - Socket, Nickel-plated	20	20-22	Stamped & Formed
AT62-20-0444	Female Contact - Socket, Gold-plated	20	20-22	Stamped & Formed

Tooling - Stamped & Formed Contacts	
MFX-3974	Crimp Die - Size 20
MFX-3976	Crimp Die - Size 20 (20-22AWG -04XX Series)
MFX-3978	Crimp Die - Size 20 (20-22AWG -02XX Series)
ATT-20-00	Hand Crimp Tool - Size 20 (20AWG)