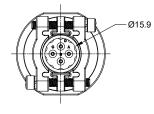


		REVISIONS			
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1		RELEASED	16MAR2020	J. HEAD	DH



NOTES: UNLESS OTHERWISE SPECIFIED

1. RECEPTACLE MATERIAL: SHELL: ZINC ALLOY, NICKEL PLATED

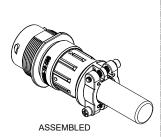
INSERT AND RETAINING RING: THERMOPLASTIC SEAL: SILICONE RUBBER

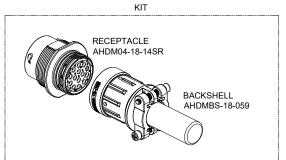
2. BACKSHELL MATERIAL:

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 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 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-	18-14SR-059	HD34-18-1	SE-059			
	PART NUMBER		DESCRIPTION				ITEM
QUANTITY		MA	TERIALS LIST				
UNLESS OTHERWISE SPECIFIED		SIGNATURI	ES DATI	^ mnhono		nol	
	All dimensions are in metric(mm). Tolerances are as follows: PL DEC +0.30		16MAR20	Amphenol			
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:		Sir	ne Systems - www.amphe	enol-sine.com	
3) Note reference = X		ENGINEER:		44724 Morley Drive Clinton Township, MI 48036			
MATERIAL SPECIFICA	MATERIAL SPECIFICATIONS:			Clinton Township, MI 48036			
		CUSTOMER:		_	E AHDM RECEPT,	- /	HD,
			THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES.		V/ CABLE CLAMP	BACKSHELL	
PROCESS SPECIFICATIONS: SPECIF SHOW! THE AM OF REE		SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL.		B C-	AHDM04-18-		41
				SCALE: NONE		SHEET 1 OF	1

REV: A1 SH:

KIT, RECPT AND BACKSHELL, SZ 18

AT Series™ - Contact Size 16 Options

Machined Contacts, Sockets & Pins					
Part Number	Description		AWG	Туре	
AT60-215-1631	Male Contact - Pin, Gold-plated 16 14		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	62-201-1631-22 Female Contact - Socket, Gold-plated		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		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		
	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		AWG	Туре
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)	

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