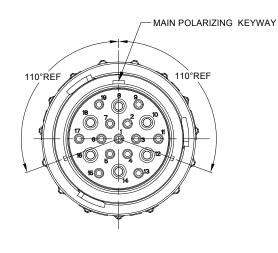
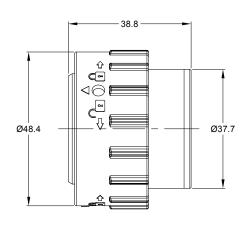
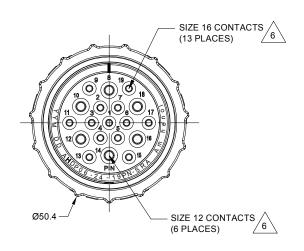
		REVISIONS			
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	18MAY20	IAN	TOMMY
A2	-	MODIFY PRODUCT NAME	11AUG20	IAN	TOMMY







### NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK SEAL: SILICONE RUBBER

2. MODIFICATIONS: SMOOTH RING ADAPTER (SRA); STANDARD DIA, WIRE SEAL.

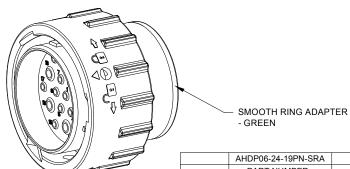
#### 3. SPECIFICATIONS:

- 3.1 OPERATING TEMPERATURE: -55℃ TO +125℃.
- 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILIAMPS 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. MATING PART: AHDP04-24-19S\* (\* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

## 6 CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
12	3.40 mm (.134 in)	4.32 mm (.170 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS
16	2.50 mm (.100 in)	3.40 mm (.134 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS



	AHDP06-2	4-19PN-	-SRA	REF:HDP26-24-19PN						
	PART N	IUMBEF	₹		DESCRIPTION			ITEM		
QUANTITY MATER				reri/	ALS	) LI	ST			
UNLESS OTHER  1) All dimensions: 2) Tolerances are: 1 PL DEC ±0.30	as follows:	SIGN DRAWN:	MATURE WW.XIAO	S DATE 11AUG20		A	mphe	enc	ol	
2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference	Fractions ±1/64 Angles ±1°	CHECKED: ENGINEER:	ORIONLLI	12AUG20	Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		_			
MATERIAL SPECIFICATIONS:  CUSTOMER:		TOMMY.XIE	13AUG20			PLUG,SIZE 24,19	9-PIN,			
PROCESS SPECIFICATIONS:		INFORMATION SPECIFICATION SHOWN HERI THE AMPHEN OF REPRODU	EON ARE THE	ON FEATURES, FORMANCE DATA PROPERTY OF TION. NO RIGHTS IPLIED. ALL	NOI B	TYPE C-	SEAL,SRA,DURAMA DWG NO: AHDP06-24-1			IES REVISION A2
NEXT ASSY:			RING VARIATIO		SCALE: N	ONE	DURAMATE	SHEET 1	OF	1

# **A Series™** - Contact Size 12 Options (Works with: AHD-6, ATP, ATHD, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins					
Part Number	Description	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	Female Contact - Socket, Nickel-plated	12	12-14	Machined	

<sup>\*</sup>Works with ATP Series only

	DiagnosticGrade™ Machined Contacts, Sockets & Pins  • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective					
	Part Number	Description	Size	AWG	Туре	
Γ	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 Number	Description					
AUTK-12	Hand Crimp Tool, Size 12					
AUTK-100	AUTK-100 Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20					
CA-5D12	CA-5D12 Universal Hand Crimp Tool, Size 12/16/20					
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20					
M300-25A	Hand Crimp Tool used with Crimp Locator MFX-3966, Size 12, 10AWG					
MFX-3966	Contact Locator used with Hand Crimp Tool M300-25A, Size 12, 10AWG					

Cor	Contact Removal Tools (For both Machined or Stamped & Formed Contacts)					
Part Number Description						
ATRT-100	Contact and Wedgelock Extraction Tool					
AT11-337-1205	Contact Removal Tool, Plastic, Size 12					

Sealing Plugs (For both Machined or Stamped & Formed Contacts)				
Part Number	Description			
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 Number	Part Number Description					
MFX-3973	Crimp Die - Size 12					
MFX-3985	Crimp Die - Svize 12, 10-12AWG -02XX Series					
ATT-12-00	Hand Crimp Tool - Size 12, 12AWG					
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG					

## A Series™ - Contact Size 16 Options (Works with: AT, ATV, AHD-9, ARC, DuraMate and PanelMate Series)

	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 Number	Part Number Description				
AUTK-16	Hand Crimp Tool, Size 16				
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			
AT11-310-1605	Contact Removal Tool, Plastic, Size 16			

Sealing Plugs (For both Machined or Stamped & Formed Contacts)				
Part Number	Description			
A114017	Sealing Plug, Size 16, White			
A114017-SR	Sealing Plug, Size 16, SR01 Series, Black			
AT13-217-1605	Locking Sealing Plug, Size 16, Grey			
AT13-217-1605-SR	Locking Sealing Plug, Size 16, SR01 Series, Red			

Stamped & Formed Contacts, Sockets & Pins					
Description	Size	AWG	Туре		
Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed		
Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed		
Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed		
Female Contact - Socket, Gold-plated	16	14-18	Stamped & Formed		
Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed		
Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed		
Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed		
Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed		
Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed		
Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed		
Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed		
Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed		
Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed		
Female Contact - Socket, Tin-plated	16	16-20	Stamped & Formed		
Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed		
Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed		
Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed		
Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed		
	Description  Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Tin-plated Female Contact - Pin, Tin-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Gold-plated	DescriptionSizeMale Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Nickel-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Pin, Gold-plated16Male Contact - Pin, Mickel-plated16Female Contact - Socket, Gold-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Tin-plated16Female Contact - Pin, Tin-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16	DescriptionSizeAWGMale Contact - Pin, Nickel-plated1614-18Female Contact - Socket, Nickel-plated1614-18Male Contact - Pin, Gold-plated1614-18Female Contact - Socket, Gold-plated1614-18Male Contact - Pin, Nickel-plated1616-18Female Contact - Socket, Nickel-plated1616-18Male Contact - Pin, Gold-plated1616-18Female Contact - Socket, Gold-plated1616-18Male Contact - Pin, Nickel-plated1616-20Female Contact - Socket, Nickel-plated1616-20Male Contact - Pin, Gold-plated1616-20Female Contact - Socket, Gold-plated1616-20Male Contact - Pin, Tin-plated1616-20Female Contact - Pin, Tin-plated1616-20Male Contact - Pin, Nickel-plated1616-20Male Contact - Socket, Tin-plated1616-20Male Contact - Pin, Nickel-plated1620-22Female Contact - Socket, Nickel-plated1620-22Male Contact - Pin, Gold-plated1620-22		

Tooling - Stamped & Formed Contacts		
MFX-3950	Crimp Die - Size 16, 18-20AWG	
MFX-3953	Crimp Die - Size 16, 16-18AWG	
MFX-3975	Crimp Die - Size 16, 14-16AWG	
MFX-3990	Crimp Die - Size 16, 20-22AWG	
ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG	
ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG	
ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG	