

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

RECEPT., SIZE 24,19-PIN, RD01 SEAL, SRA, DURAMATE AHDP SERIES

SH

6 SIZE 12 CONTACTS (6 PLACES) 47.6 Ø50.8 SIZE 16 CONTACTS 6 (13 PLACES)

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

3. SPECIFICATIONS:

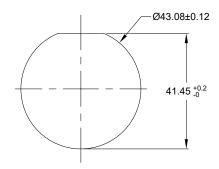
1. MATERIAL:

- 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. MATING PART: AHDP06-24-19S* (* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND WIRE RANGE:

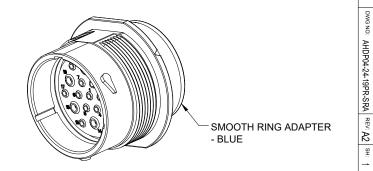
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
12	2.46 mm (.097in)	4.01 mm (.158 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS

7. RECEPTACLE IS SUPPLIED WITH DUST CAP.



RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



RFF:HDP24-24-19PF

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	PART NUMBER		₹ .			DE	SCRIPTION	ITEM	
QUANTITY MA			MAT	ERI	٩LS	3 LI	ST		
	WISE SPECIFIED	SIGN	NATURES	S DATE			ا م در ما در ددر		
All dimensions are in metric(mm). Tolerances are as follows: PL DEC ±0.30		DRAWN:	IAN.XIAO	11AUG20	Amphen		mpnenoi	OI	
2 PL DEC ±0.15 3 PL DEC ±0.08	PL DEC 40.15 Apples 41° CHECKED: ADMINISTRATION		ne Systems - www.amphenol-sine.com						
Note reference = X MATERIAL SPECIFICATIONS:		ENGINEER:			44724 Morley Drive				
		APPROVAL:	TOMMY.XIE	13AUG20			Clinton Township, MI 48036		
		CUSTOMER:			İ		RECEPT.,SIZE 24,19-PIN,		
			NG IS SUPPLIED		RD	01 SE/	AL,SRA,DURAMATE AHDP SEF	RIES	
PROCESS SPECIFICATIONS: NEXT ASSY:		SPECIFICATION SHOWN HERE THE AMPHEN OF REPRODU	ONS AND PERF	ORMANCE DATA PROPERTY OF TION, NO RIGHTS PLIED, ALL	B	C-	AHDP04-24-19PR-SRA	A2	
			RING VARIATIO	NS.	SCALE: N	ONE	DURAMATE SHEET 1 OF	1	

AHDP04-24-19PR-SRA

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

^{*}Works with ATP Series only

	• Smaller AWG fo	DiagnosticGrade™ Machined Contacts, Sockets & Pi or Diagnostic Applications • Gold-plated • Increased Matin		es • Cost-e	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	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		
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	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	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 - Socket, 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	