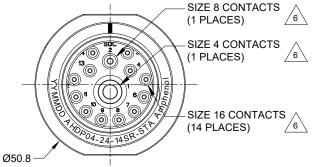


REVISIONS REV ECO DESCRIPTION APPR DATE A1 RELEASE NEW DRAWING 19APR23 LYNCH TOMMY



- 2. MODIFICATIONS: SMALL THREADED ADAPTER (STA); STANDARD DIA. WIRE SEAL.
- 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:

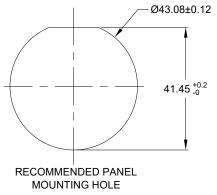
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);

IP69K (MATED CONDITION)

- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDP06-24-14P*-XXX (*=SEAL TYPE, XXX=ALL MODIFICATIONS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND WIRE RANGE:

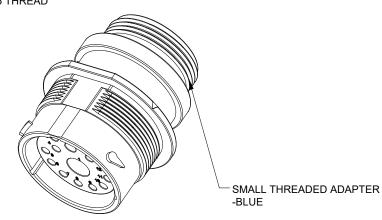
CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL	CURRENT
SIZE	O.D.	O.D.	WIRE RANGE	RATING
4	6.33 mm (.261 in)	7.41 mm (.292in)	6 AWG (16.0-13.0mm²)	100 AMPS
12	2.46 mm (.097 in)	4.01 mm (.158 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS



RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

- 7. RECEPTACLE IS SUPPLIED WITH DUST CAP.
- 8. CONDUIT ADAPTER ACCEPTS BACKSHELL (AHDPBS-24L015-005) CABLE Ø14.5 ~ Ø18.0.

NEXT ASS'Y:



	AHDP04-2	4-14SR-	STA					
QUANTITY	PART N	NUMBER			DESCRIPTION ITE			ITEM
	MATERIALS LIST							
UNLESS OTHER	WISE SPECIFIED	SIG	NATURE	S DATE		Λ	mphopol	
2) Tolerances are a 1 PL DEC ±0.30		DRAWN:	LYNCH.PAN	19APR23	* Amphenol			
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	SULLENZHA	IG 20APR23	23 Sine Systems - www.amphenol-sine.com			
3) Note reference	- 🔬	ENGINEER:]		44724 Morley Drive	
MATERIAL SPECIFICA	TIONS:	APPROVAL:	TOMMYXIE	20APR23	Clinton Township, MI 48036			
WEIGHT:	57 70a	CUSTOMER			14POS, RECEPTACLE, SOCKET, SIZE 24,			
			NG IS SUPPLIE	ED FOR IGN FEATURES.	REDUCED SEAL, STA, DURAMATE AHDP			
PROCESS SPECIFICA	TIONS:	SPECIFICAT SHOWN HER THE AMPHE OF REPROD	IONS AND PER	RFORMANCE DATA PROPERTY OF ATION. NO RIGHTS MPLIED. ALL	D ALIDBOA AL AADD ATA			A1

SCALE: NONE

DURAMATE SHEET 1 OF 1

S.

A Series™ - Contact Size 4 Options (Works with: ATHD and DuraMate Series)

Machined Contacts, Pins and Sockets						
Part Number	Description	Size	AWG	Туре	Amps	
AT60-203-04141-4	Male Contact - Pin, Copper Alloy, Nickel-Plated	4	4	Machined	100A	
AT60-204-0490	Male Contact - Pin, Copper Alloy, Nickel-Plated	4	6	Machined	100A	
AT62-203-04141-4	Female Contact - Socket, Copper Alloy, Nickel-Plated	4	4	Machined	100A	
AT62-203-04141	Female Contact - Socket, Copper Alloy, Nickel-Plated	4	6	Machined	100A	

Tooling - Machined Contacts					
Part Number	Description				
WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961				
WA23-138DA	Die Assembly -for Heavy Duty Pneumatic Crimp Tool, Size 4				
WA23-11	Contact Locator, Size 4				
96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires				
AT11-027-0405	Contact Removal Tool, Plastic, Size 4, 4AWG				

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

	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	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				

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						
Part Number	Description	Size	AWG	Туре		
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed		
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed		
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed		
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-18	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		
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed		
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed		
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed		
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed		
AT60-16-0644	Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed		
AT62-16-0644	Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed		
AT60-16-0677	Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed		
AT62-16-0677	Female Contact - Socket, Tin-plated	16	16-20	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		
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		

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	