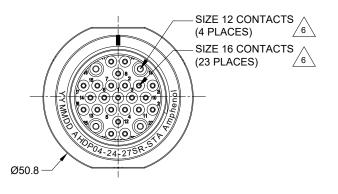


58.6±0.5 12.8 Ø40.1 Ø42.0±0.5 1 11/16-18 UNEF THREAD M35 x 1.75 THREAD

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



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK

SEAL: SILICONE RUBBER

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:

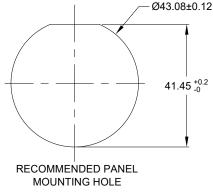
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS.MATED CONDITION):

IP69K (MATED CONDITION)

- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDP06-24-27P\*-XXX ( \*=SEAL TYPE, XXX=ALL MODIFICATIONS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

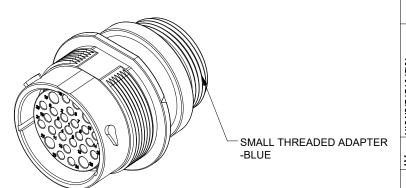
## 6 CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
12	2.46 mm (.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.



	AHDP04-2	4-2/SR-STA	1						
QUANTITY PART NUMBER		NUMBER				DESCRIPTION		ITEM	
		MA	T	ERI	ALS	S LI	ST		
	MATERIALS LIST  SIGNATURES DATE SIGNATURES SIGNATURES DATE SIGNATURES SI								
	All dimensions are in metric(mm).     Tolerances are as follows:		W	19APR23	⊤ Ampnenoi				
2 PL DEC ±0.15 3 PL DEC ±0.08		CHECKED: SULLENZH	NG.	20APR23	23 Sine Systems - www.amphenol-sine.com				
3) Note reference	3) Note reference = X								
MATERIAL SPECIFICA	TIONS:	APPROVAL: TOMMY.X	E	20APR23	Clinton Township, MI 48036				
		CUSTOMER:							
					R	EDUC	ED SEAL, STA, DURAMATE AH	iDP	
PROCESS SPECIFICATIONS:		SPECIFICATIONS AND PE SHOWN HEREON ARE TH THE AMPHENOL CORPOR OF REPRODUCTION ARE	ERFOR HE PRO RATIO IMPLI	RMANCE DATA DPERTY OF N. NO RIGHTS IED. ALL	В	C-			
NEXT ASS'Y:				).	SCALE: N	ONE	DURAMATE SHEET 1 OF	F 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	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		

Con	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		