

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK

SEAL: SILICONE RUBBER

THREADED INSERT: STAINLESS STEEL

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

SEALED PANEL MOUNT

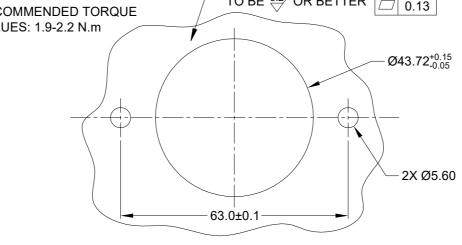
3. SPECIFICATIONS:

- 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: AHDP06-24-23P*-XXX (* = SEAL TYPE, XXX = **ALL MODIFICATIONS)**
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- 6. RECEPTACLE IS SUPPLIED WITH DUST CAP (NOT SHOW)



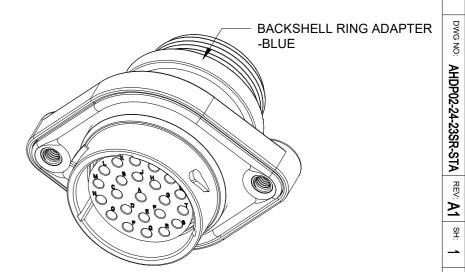
RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

7	CONTACT	SIZE	ΔΝΠ	WIRE	RANG	F.
		SIZE	AIND	VVINE	KANG	⊏.

CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL WIRE	CURRENT
SIZE	O.D.	O.D.	RANGE	RATING
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS

8. CONDUIT ADAPTER ACCEPTS BACKSHELL (AHDPBS-24L015-005) CABLE Ø14.5 ~ Ø18.0.



APPR

TOMMY

IAN

	AHDP02-2	4-23SR-	STA				
QUANTITY	PART N	IUMBER		DESCRIPTION			-
		ı	MAT	ERI	ALS LIST		_
UNLESS OTHER		SIGN	ATURES	DATE	Λ 100 to b 0 to 0 l		
1) All dimensions a 2) Tolerances are a 1 PL DEC ±0.30		DRAWN:	IAN	19/APR/23	Amphenol		
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	SULLEN	19/APR/23	Sine Systems - www.amphenol-sine.com		
3) Note reference = X		ENGINEER:			44724 Morley Drive		
MATERIAI SPECIFICA	TIONS:	APPROVAL:	TOMMY	21/APR/23	Clinton Township, MI 48036		
		CUSTOMER:		23 POS, RECEPTACLE, SOCKET, PANEL		.	
WEIGHT: 71.7g			G IS SUPPLIED F		AHDP SIZE 24, RD SEAL,STA		
PROCESS SPECIFICATIONS: NEXT ASSY:				RMANCE DATA COPERTY OF DN. NO RIGHTS LIED. ALL D NORMAI	B C- AHDP02-24-23SR-STA	A1	
			ING VARIATION	S.	SCALE: NONE DURAMATE SHEET 1 OF	1	

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			