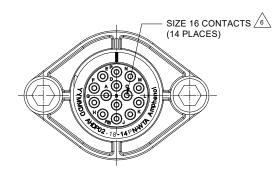


 REVISIONS

 REV
 ECO
 DESCRIPTION
 DATE
 BY
 APPR

 A1
 —
 RELEASE NEW DRAWING
 15JUL20
 VITO
 TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

 $\hbox{HOUSING: THERMOPLASTIC; BLACK}$

SEAL: SILICONE RUBBER

THREADED INSERT: STAINLESS STEEL

2. MODIFICATIONS: WIDE THREAD ADAPTER(WTA); STANDARD DIA,WIRE SEAL;

SEALED PANEL MOUNT:

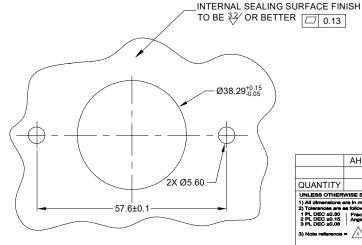
72.8±0.50

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: IP67&IP69K (MATED CONDITION).
- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDP06-18-14S* (* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

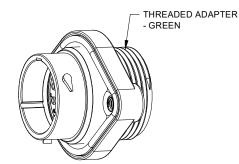


CONTACT	MIN. INSUL	_	TYPICAL	CURRENT
SIZE	O.D.		WIRE RANGE	RATING
16	2.54 mm (.100in)	3.40 mm (.134 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS



RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



	AUDE02-1	0-14FIN-	· V V I A	A				
	PART NUMBER		3	DESCRIPTION				ITEM
QUANTITY MAT			ERI	ALS	3 LI	ST		
	UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 Fractions ±1/84		SIGNATURES DATE		Amphonol			
			NTOTI	15JUL20	Amphenol			
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	ORION.LI	17JUL20		Sin	e Systems - www.amphenol-sine.com	
3) Note reference = X		ENGINEER:			44724 Morley Drive			
		APPROVAL:	TOMMY.XIE	20JUL20	Clinton Township, MI 48036			
	INVESTIGATION OF THE PROPERTY			-		1	4 POS, RECEPTACLE, PIN,	
PROCESS SPECIFICATIONS:		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES.			PANELMATE AHDP SIZE 18, NORMAL SEAL, WTA			
				B	C-	AHDP02-18-14PN-WTA	A1	
NEXT ASS'Y:	NEXT ASSY:		MANUFACTURING VARIATIONS.		SCALE: N	ONE	SHEET 1 OF	1

AHDP02-18-14PN-WTA

AHDP02-18-14PN-WTA REV: A1 SH: 1

TITLE: 14 POS, RECEPTACIE, PIN, PANELMATE AHDP SIZE 18, NORMAL SEAL, WTA

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 - 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	