

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

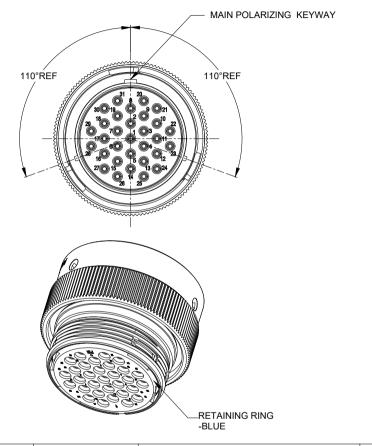
SHELL: ZINC ALLOY, NICKEL PLATED
COUPLING RING: ALUMINUM ALLOY, NICKEL PLATED
INSERT AND RETAINING RING: THERMOPLASTIC
SEAL: SILICONE RUBBER

- 2. MODIFICATIONS: THREADED HOUSING; REDUCED 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: IP67&IP69K (MATED CONDITION).
 - 3.5 MATING CYCLE DURABILITY: 100 CYCLES
 - 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDM04-24-31S* (* = SEAL TYPE)
- 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
16	1.35 mm (.053 in)	2.62 mm (.103 in)	14-20 AWG	

	REVISIONS						
REV ECO		DESCRIPTION	DATE	BY	APPR		
A1	-	RELEASE NEW DRAWING	18/OCT/18	BROOK	TOMMY		
A2		ADD MORE MATERIAL NOTES	25/OCT/18	BROOK	TOMMY		



24 SZ 31 PIN, RD, WIDE

	AHDM06-24-31PR						
	PART N	PART NUMBER		DESCRIPTION			ITEM
QUANTITY		MA	TERI	ALS LI	ST		
	WISE SPECIFIED	SIGNATUR	ES DATE		mnha	anol	
All dimensions a Tolerances are a PL DEC +0.30		DRAWN: BROOK	25/OCT/18	Amphenol			
2 PL DEC ±0.15 3 PL DEC ±0.08	2 PL DEC ±0.15 Angles ±1° CHECKED: (25/OCT/18	Sine Systems - www.amphenol-sine.com			
3) Note reference				44724 Morley Drive Clinton Township, MI 48036			
MATERIAL SPECIFICA	TIONS:	APPROVAL: TOMMY	25/OCT/18		Cilition Township, Wif 4	0030	
				PLUG.	24 SZ 31 PIN, R	D, WIDE TH	ID
PROCESS SPECIFICATIONS:		THIS DRAWING IS SUPPL INFORMATION ONLY. DE SPECIFICATIONS AND PE SHOWN HEREON ARE TI THE AMPHENOL CORPO OF REPRODUCTION ARE DIMENSIONS ARE SUBJE	SIGN FEATURES, ERFORMANCE DAT HE PROPERTY OF RATION. NO RIGHT IMPLIED. ALL		AHDM06-2	4-31PR	A2
NEXT ASS'Y:		MANUFACTURING VARIATIONS.		SCALE: NONE		SHEET 1 0	F 1

AT Series™ - Contact Size 16 Options

Machined Contacts, Sockets & Pins						
Part Number	Description		AWG	Туре		
AT60-215-1631	15-1631 Male Contact - Pin, Gold-plated		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	6141 Male Contact - Pin, Nickel-plated		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 Mac		Machined				

Tooling - Machined Contacts				
Part	Part Part Number Description			
CA-5D12 Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)				
5	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)		

Contact Removal Tools				
Part	Part Number	Description		
	ATRT-100	Used for removal of contacts for A Series™ products		
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16		
4	A114017	Sealing Plug, Size 16, White		

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

Tooling - Stamped & Formed Contacts				
Part	Part Number	Description		
	MFX-3950	Crimp Die - Size 16, 18-20AWG (S&F contacts only)		
	MFX-3953	Crimp Die - Size 16, 16-18AWG (S&F contacts only)		
	MFX-3975	Crimp Die - Size 16, 14-16AWG (S&F contacts only)		
	MFX-3990	Crimp Die - Size 16, 20-22AWG (S&F contacts only)		
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only)		
	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only)		
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only)		

Amphenol Sine Systems 44724 Morley Drive Clinton Township, MI 48036 USA www.amphenol-sine.com 09/2021