

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK SEAL: SILICONE RUBBER

2. MODIFICATIONS: SMOOTH RING ADAPTOR (SRA); REDUCED DIA. WIRE SEAL

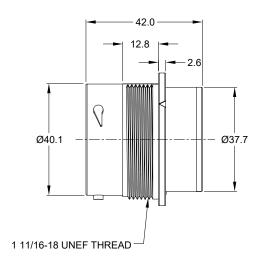
3. SPECIFICATIONS:

- 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: AHDP06-24-29P* (* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

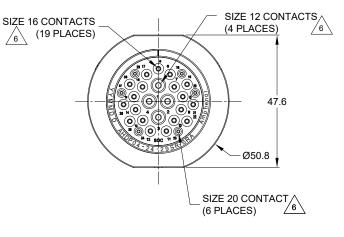
6 CONTACT SIZE AND WIRE RANGE:

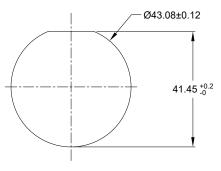
	TACT ZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
2	20	1.02 mm (.040 in)	2.10 mm (.083 in)	16-22 AWG (1.5-0.5mm²)	7.5 AMPS
1	16	1.35 mm (.053in)	2.62 mm (.103 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS
1	2	2.46 mm (.097 in)	4.01 mm (.158 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS

7. RECEPTACLE IS SUPPLIED WITH DUST CAP.



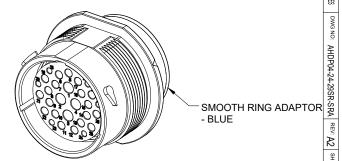
	REVISIONS							
REV	ECO	DESCRIPTION	DATE	BY	APPR			
A1		RELEASE NEW DRAWING	12MAY20	SULLEN	TOMMY			
A2		MODIFY PRODUCT NAME	11AUG20	IAN	TOMMY			





RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



	AHDP04-2	AHDP04-24-29SR-SRA REF: HDP24-24-29SE		REF: HDP24-24-29SE		E							
	PART N	IUMBER		DESCRIPTION			DESCRIPTION		DESCRIPTION		DES		ITEM
QUANTITY	QUANTITY MATERI				٩LS	S LI	ST	,					
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm).		SIGN	IATURES	DATE		Λ	mphonol						
Tolerances are a PL DEC ±0.30		DRAWN:	IAN.XIAO	11AUG20	Amphenol								
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	ORION	12AUG20	12AUG20 Sine Systems - www.amphenol-sine.co		Sine Systems - www.amphenol-sine.com						
3) Note reference	i) Note reference = X				44724 Morley Drive								
MATERIAL SPECIFICA	TIONS:	APPROVAL:	TOMMY	13AUG20	Clinton Township, MI 48036								
		CUSTOMER:		•	1		RECEP.,SIZE 24,29-SOCKET,						
		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES.		REDUCED DIA. SEAL, SRA, DURAMATE AHDP SE		SERIES							
PROCESS SPECIFICATIONS:		SPECIFICATIO SHOWN HERE THE AMPHEN OF REPRODU	CERTAIN ON THE THE TO THE TO THE		B	C-	AHDP04-24-29SR-SRA	A2					
NEXT ASSY:			RING VARIATIO		SCALE: N	ONE	DURAMATE SHEET 1	or 1					

ATM Series™ - Contact Size 20 Options

Machined Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Type		
AT60-010-2031	Male Contact - Pin, Gold-plated	20	16-18	Machined		
AT62-005-20141	Female Contact - Socket, Gold-plated	20	16-18	Machined		
AT60-010-20141	Male Contact - Pin, Nickel-plated	20	16-18	Machined		
AT62-005-2031	Female Contact - Socket, Nickel-plated	20	16-18	Machined		
AT60-202-2031	Male Contact - Pin, Gold-plated	20	20-22	Machined		
AT62-201-2031	Female Contact - Socket, Gold-plated	20	20-22	Machined		
AT60-202-20141	Male Contact - Pin, Nickel-plated	20	20-22	Machined		
AT62-201-20141	Female Contact - Socket, Nickel-plated	20	20-22	Machined		

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

Contact Removal Tools					
Part	Part Number	Description			
The sales	ATRT-100	Used for removal of contacts for A Series™ products			
	AT11-240-2005	Contact Removal Tool, Plastic, Size 20			
	AT13-204-2005	Sealing Plug, Size 20, White			

Stamped & Formed Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Туре		
AT60-20-0144	Male Contact - Pin, Gold-plated	20	16-22	Stamped & Formed		
AT62-20-0144	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed		
AT60-20-0244	Male Contact - Socket, Gold-plated	20	16-22	Stamped & Formed		
AT62-20-0244	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed		
AT60-20-0122	Male Contact - Pin, Nickel-plated	20	16-22	Stamped & Formed		
AT62-20-0122	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed		
AT60-20-0222	Male Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed		
AT62-20-0222	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed		
AT60-20-0277	Male Contact - Socket, Tin-plated	20	16-22	Stamped & Formed		
AT62-20-0277	Female Contact - Socket, Tin-plated	20	16-22	Stamped & Formed		
AT60-20-0422	Male Contact - Socket, Nickel-plated	20	20-22	Stamped & Formed		
AT62-20-0444	Female Contact - Socket, Gold-plated	20	20-22	Stamped & Formed		

Tooling - Stamped & Formed Contacts						
Part	Part Number	Description				
	MFX-3974	Crimp Die - Size 20 (S&F contacts only)				
	MFX-3976	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -04XX Series				
	MFX-3978	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -02XX Series				
	ATT-20-00	Hand Crimp Tool - Size 20, 20AWG (S&F contacts only)				

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AT Series™ - Contact Size 16 Options

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

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

Stamped & Formed Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Туре		
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)	

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ATP Series™ - Contact Size 12 Options

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

DiagnosticGrade™ Machined Contacts, Sockets & Pins • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective				
Part Number	Description	Size	AWG	Туре
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	Part Number	Description	
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)	
3	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)	

Contact Removal Tools			
Part	Part Number	Description	
refer turbs	ATRT-100	Used for removal of contacts for A Series™ products	
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12	
	A114017	Sealing Plug, Size 12, White	

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description		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	Part Number	Description	
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)	
	MFX-3985	Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series	
	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)	

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