

SHELL: AL ALLOY, ANODIZE

INSERT AND RETAINING RING: THERMOPLASTIC

SEAL: SILICONE RUBBER

2. MODIFICATIONS: THREADED HOUSING;

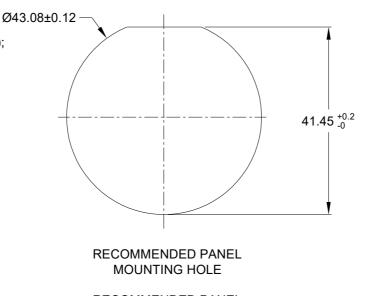
REDUCED DIA. WIRE SEAL FOR SIZE 12 & SIZE 16;

- 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).

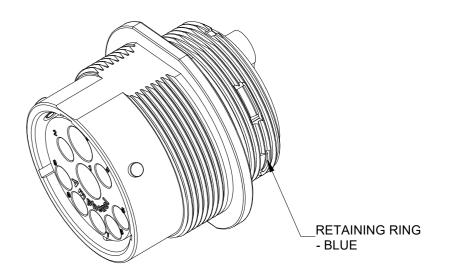
- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDBM06-24-91S* (* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- 6 CONTACT SIZE AND WIRE RANGE:

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CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL WIRE	CURRENT
SIZE	O.D.	O.D.	RANGE	RATING
8	3.43mm (.135in)	5.59mm (.220in)	8-10AWG (10.0-5.0mm²)	60AMPS
12	2.46mm (.097in)	4.01mm (.158in)	10-14AWG (6.0-2.0mm²)	25AMPS
16	1.35mm (.053in)	3.05mm (.120in)	14-20AWG (2.0-0.5mm²)	13AMPS



RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

7. MEET THE DIMENSION OF IMPLEMENT BUS BREAKAWAY CONNECTOR OF ISO 11783-2.



AHDBM04-24-91PR

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QUANTITY	QUANTITY PART NUMBER		DESCRIPTION				ITEM		
			MAT	ERI	٩LS	3 LI	ST		•
UNLESS OTHERWISE SPECIFIED SIGNATURES DAT			DATE	Λ l l					
1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 Fractions ±1/64		DRAWN:	IAN			- Amnnenni			
1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08		CHECKED:	SULLEN	17/JAN/22		Sin	e Systems - www.amphei	nol-sine.com	
3) Note reference = X		ENGINEER:			44724 Morley Drive				
MATERIAI SPECIFICA	TIONS:	APPROVAL:	TOMMY	18/JAN/22	Clinton Township, MI 48036				
MATERIAL OF LOW IOA	TIONO.	CUSTOMER:			09	POS,F	RECEPTACLE, PIN,	24SZ,RD SE	AL,
			NG IS SUPPLIED			BREA	AK AWAY,DURAMA	ATE AHDBM	
PROCESS SPECIFICATIONS:		SPECIFICAT SHOWN HER THE AMPHE OF REPROD	ON ONLY. DESIGN IONS AND PERFO REON ARE THE PI NOL CORPORATI UCTION ARE IMP S ARE SUBJECT 1	ORMANCE DATA ROPERTY OF ION. NO RIGHTS PLIED. ALL TO NORMAI	B C AHDBM04-24-91		4-91PR	A2	
NEXT ASS'Y:	NEXT ASS'Y:		DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.		SCALE: N	ONE	DURAMATE	SHEET 1 OF	1

REF:HD34-24-91PE

AHDBM04-24-91PR

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	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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MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

Machined Contacts, Sockets & Pins							
Part Number	Part Number Description						
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	Part Number Description Size AWG Type					
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)			
33	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)			

Contact Removal Tools					
Part Number Description					
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12			
	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	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)			
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)			

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ATHD Series™ - Contact Size 8 Options

Machined Contacts, Pins and Sockets					
Part Number	Description		AWG	Туре	Amps
AT60-204-08141	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT62-203-08141	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT60-204-08141-16	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	6	Machined	60A
AT62-203-08141-16	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	6	Machined	60A

Tooling - Machined Contacts					
Part	Part Number	Description			
	WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961			
	WA23-2	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 8			
•	WA23-3	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 6			
Waging St.	WA23-10	Contact Locator, Size 6 and Size 8			
THE AND	96-978-22	Crimper and Dies -for Size 10mm ² -185mm ² Wires			

Contact Removal Tools				
Part	Part Number	Description		
	AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG		