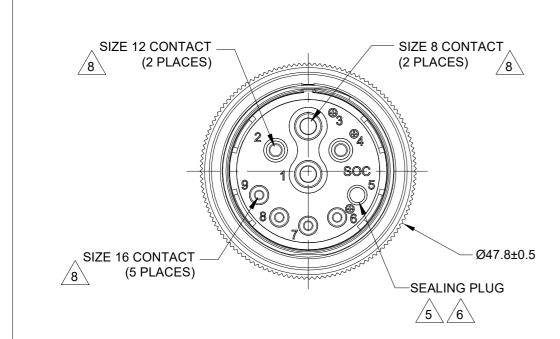
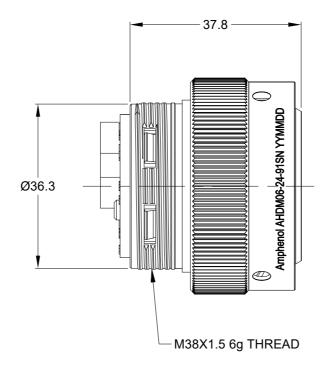
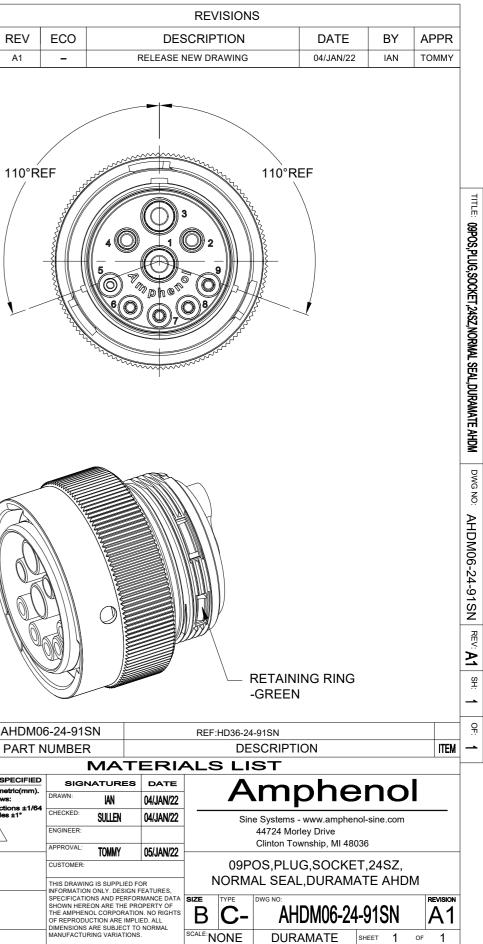
REV	ECO	
A1	-	









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; NORMAL 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:
 - 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.

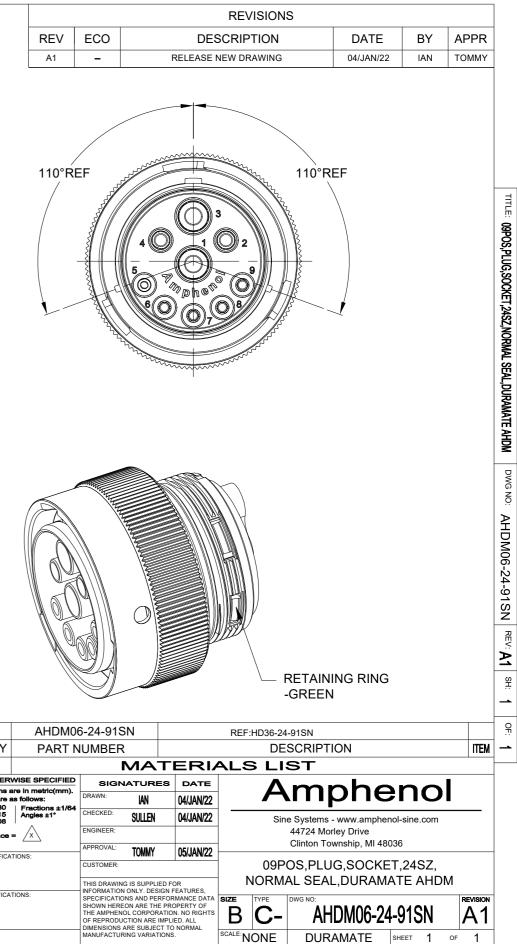
4. MATING PART: AHDM04-24-91P* & AHDM07-24-91P* RECEPTACLES (* = SEAL TYPE)

- /5. CONTACTS 4 AND 5 ARE INTERNALLY CONNECTED. (BUILT - IN BRIDGE)
- 6. CAVITY 5 IS WITH CONTACT SIZE 16 AND THE GROMMENT IS SEAL
- 7. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

8 CONTACT SIZE AND WIRE RANGE:

CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL WIRE	CURRENT
SIZE	O.D.	O.D.	RANGE	RATING
8	4.83 mm (.190 in)	6.10 mm (.240 in)	8-10AWG (10.0-5.0mm ²)	60AMPS
12	3.40 mm (.134 in)	4.32 mm (.170 in)	10-14AWG (6.0-2.0mm²)	25AMPS
16	2.54mm (.100 in)	3.40 mm (.134 in)	14-20AWG (2.0-0.5mm²)	13AMPS

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



	AHDM06-24-91SN			
QUANTITY	PART N	IUMBER	2	
			MA	ТЕ
UNLESS OTHER	WISE SPECIFIED	SIGN	ATUR	s
1) All dimensions a 2) Tolerances are a 1 PL DEC ±0.30		DRAWN:	IAN	0
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	SULLEN	0
3) Note reference	= <u>x</u>	ENGINEER:		
MATERIAL SPECIFICA	TIONS:	APPROVAL:	TOMMY	0
		CUSTOMER:		
PROCESS SPECIFICA	TIONS:	THIS DRAWIN INFORMATION SPECIFICATION SHOWN HERE THE AMPHEN OF REPRODU DIMENSIONS MANUFACTUF	N ONLY. DES ONS AND PE ON ARE TH OL CORPOR ICTION ARE ARE SUBJEC	IGN FEA RFORMA E PROPI ATION. IMPLIED CT TO N

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)					
	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)					

	Contact Removal Tools						
Part	Part Number	Description					
2 comments	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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MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM 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	

]	Stamped & Formed Contacts, Sockets & Pins						
1	Part Number	Description	Size	AWG	Туре		
1	AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed		
1	AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed		
1	AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed		
1	AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed		
1	AT60-12-0144	Male Contact - Pin, Gold-plated	12	12-14	Stamped & Formed		
1	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		

Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective					
Part Number	Description			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	

DiagnosticGrade™ Machined Contacts, Sockets & Pins

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

Contact Removal Tools						
Part	Part Number	Description				
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12				
	A114017	Sealing Plug, Size 12, White				

Tooling - Stamped & Formed Contacts						
Part	Part Number	Description				
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)				
A BOARD	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	Size	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		Contact Removal Tools			
Part	Part Number	Description	Part	Part Number	Description
	WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961		AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG
	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			
A CARLES	WA23-10	Contact Locator, Size 6 and Size 8			
ANN	96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires			

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