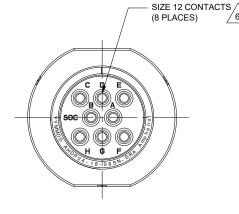
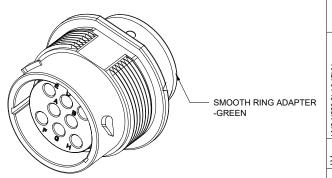


REVISIONS REV ECO DESCRIPTION DATE BY APPR A1 RELEASE NEW DRAWING 19/AUG/20 IAN TOMMY





			N-SRA
			REV: A1
			SH:
			-
AHDP04-18-08SN-SRA	REF:HDP24-18-8SN		유
PART NUMBER	DESCRIPTION	ITEM]

	AHDP04-1	8-08SN-SRA		REF:HDP24-18-8SN		유
	PART N	IUMBER		DESCRIPTION	ITEM	_
QUANTITY		MATERIALS LIST				
UNLESS OTHER	RWISE SPECIFIED SIGNATURE		S DATE	Amphonol		
2) Tolerances are as follows:		DRAWN: IANXIAO	19/AUG/20	Amphenol		

ı	2) Tolerances are as follows:	DRAWN:	IAN.XIAO	19/AUG/20		\neg	прпе	7 I I	OI.	
	1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 Fractions ±1/64 Angles ±1°	CHECKED:	ORION.LI	20/AUG/20	-	Sin	e Systems - www.ampher	nol-sine.	.com	
	3) Note reference = X	ENGINEER:					44724 Morley Drive	000		
	MATERIAL SPECIFICATIONS:	APPROVAL:	TOMMY.XIE	21/AUG/20			Clinton Township, MI 48	J36		
		CUSTOMER:			RECI	EPT, 18	SZ, 8 SOCKET, REVER	SE ARF	RANGEM	MENT,
			G IS SUPPLIED FO		1	NORMAL	SEAL, SRA, DURAMA	TE AHD	P SERIE	S
	PROCESS SPECIFICATIONS:	SPECIFICATI SHOWN HER THE AMPHEN OF REPRODU	N ONLY. DESIGN F ONS AND PERFOR EON ARE THE PRO IOL CORPORATIO JCTION ARE IMPLI ARE SUBJECT TO	RMANCE DATA DPERTY OF N. NO RIGHTS IED. ALL NORMAL	ט	C-	AHDP04-18-0	8SN-	SRA	A1
	NEXT ASSY:	MANUFACTU	RING VARIATIONS	i.	SCALE: N	ONE		SHEET	1 OF	1

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK

SEAL: SILICONE RUBBER

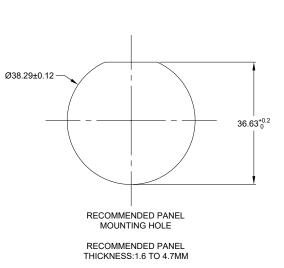
2. MODIFICATIONS: SMOOTH RING ADAPTER; STANDARD DIA. WIRE SEAL

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: AHDP06-18-08P* (* = 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
	40	3.43 mm	4.32 mm	10-14 AWG	OF AMDO
12	(.135 in)	(.170 in)	(6.0-2.0mm ²)	25 AMPS	



ATP Series™ - Contact Size 12 Options

Machined Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Type	
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	

• Smaller AWG for	DiagnosticGrade™ Machined Contacts, Sockets & Pins • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective					
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	Part Number	Description			
	ATRT-100	Used for removal of contacts for A Series™ products			
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12			
4	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				
Ł	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)				

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