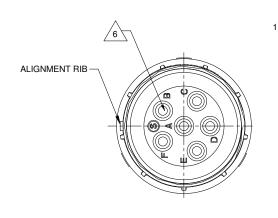
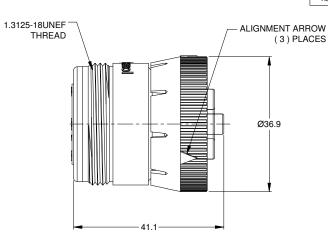
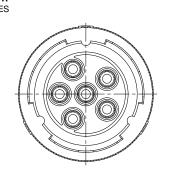
REVISIONS									
REV	ECO	DESCRIPTION	DATE	BY	APPR				
A3		RELEASE NEW DWG FORMAT	04JAN14	JARRY					
A4		REVISED LAYOUT	03JAN15	DRP					
A5		CORRECTED P/N FORMAT	23AUG16	JAH					

PLUG, 6 POSITION, COUPLING RING, AHD SERIES

AHD16-6-12SB010 REV: A5 SH:







NOTES: UNLESS OTHERWISE SPECIFIED

MATERIAL:
 HOUSING: THERMOPLASTIC; GREY
 SEAL: SILICONE RUBBER

2. MODIFICATIONS: COUPLING RING

- 3. SPECIFICATIONS:
 - 3.1 CURRENT RATING: 25 AMPS
 - 3.2 OPERATING TEMPERATURE: -55°C TO +125°C.
 - 3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
 - 3.4 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
 - 3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION).
 - 3.6 MATING CYCLE DURABILITY: 100 CYCLES
 - 3.7 RoHS COMPLIANT
- 4. MATING PART: AHD10-6-12P* (* = AVAILABLE MODIFICATIONS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND WIRE RANGE:

CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL	
SIZE	O.D.	O.D.	WIRE RANGE	
12	3.40 mm (.134 in)	4.30 mm (.170 in)	10 - 14 AWG	



3D VIEW

	AHD16-		0							
	PART N	IUMBER				DE	SCRIPTION			ITEM
QUANTITY	QUANTITY			MATERIALS LIST						
UNLESS OTHER	WISE SPECIFIED	SIGNATURES DATE		DATE	Amphenol					
2) Tolerances are		DRAWN:	JARRY	04JAN14]	\vdash	ппрпе	<i>†</i>		
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:			_	Sin	e Systems - www.amphe	nol-sine.c	om	
3) Note reference	- 💉	ENGINEER:			44724 Morley Drive Clinton Township, MI 48036					
MATERIAL SPECIFICA	ITIONS:	APPROVAL:					Cliritori Township, IVII 46	036		
		CUSTOMER:					PLUG, 6 POSITI	- ,		
			ING IS SUPPLIED FOR COUPLING RING, AHD SERIES ON ONLY, DESIGN FEATURES.							
PROCESS SPECIFICA	TIONS:			B	C-	AHD16-6-12	2SB01	0	A5	
NEXT ASS'Y:		MANUFACTUR		NS.	SCALE: N	ONE		SHEET	1 or	1

ATP 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	AT62-210-1231 Female Contact - Socket, Gold-plated		12-14	Machined			
AT60-204-12141	AT60-204-12141 Male Contact - Pin, Nickel-plated		12-14	Machined			
AT62-203-12141 Female Contact - Socket, Nickel-plated 12 12-14 N		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)		
33	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	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 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)		

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