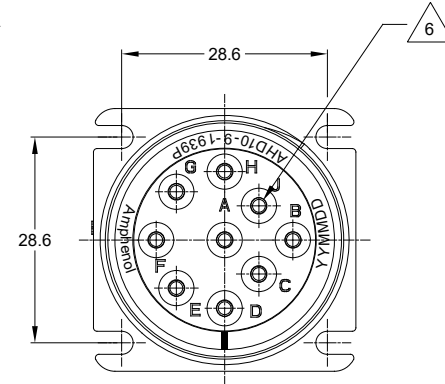
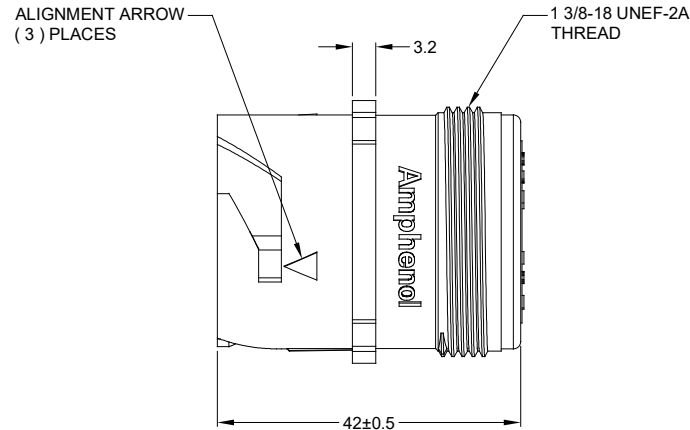
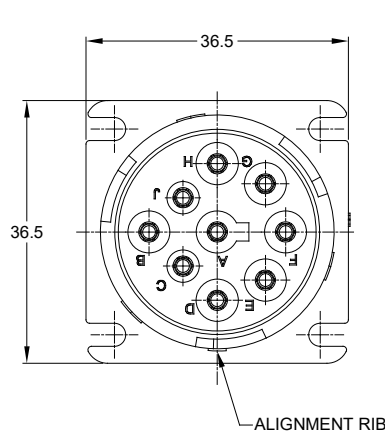


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3		RELEASE NEW DWG FORMAT	04SEP13	JARRY	
A4	--	UPDATE DRAWING	07/JAN/20	ROOKIE	TOMMY

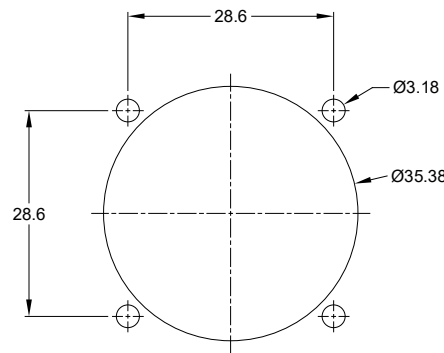


NOTES: UNLESS OTHERWISE SPECIFIED

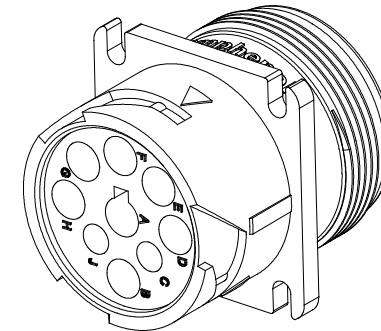
- MATERIAL:
HOUSING: THERMOPLASTIC; BLK
SEAL: SILICONE RUBBER
- MODIFICATIONS: J1939 TYPE 1 KEY ARRANGEMENT
- SPECIFICATIONS:
3.1 CURRENT RATING: 13 AMPS
3.2 OPERATING TEMPERATURE: -55°C TO +125°C.
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
3.4 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION).
3.6 MATING CYCLE DURABILITY: 100 CYCLES.
3.7 RoHS COMPLIANT.
- MATING PART: AHD16-9-1939S/SE,AHD17-9-1939S/SE
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

△ CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
16	2.54 mm (.100 in)	3.81 mm (.150 in)	14 - 20 AWG



MOUNTING HOLE DETAIL



AHD10-9-1939P		DESCRIPTION		ITEM																																			
QUANTITY	PART NUMBER	RECEPTACLE, J1939 TYPE 1, 9 POS SQUARE FLANGE, AHD SERIES																																					
<table border="1"> <thead> <tr> <th colspan="2">UNLESS OTHERWISE SPECIFIED:</th> <th colspan="2">SIGNATURES</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td colspan="2">1) All dimensions are in metric (mm).</td> <td>DRAWN:</td> <td>ROOKIE</td> <td>07/JAN/20</td> </tr> <tr> <td colspan="2">2) Tolerances are as follows:</td> <td>CHECKED:</td> <td>ORION</td> <td>07/JAN/20</td> </tr> <tr> <td>1 PL DEC ±0.30</td> <td>Fractions ±1/64</td> <td>ENGINEER:</td> <td></td> <td></td> </tr> <tr> <td>2 PL DEC ±0.15</td> <td>Angles ±1°</td> <td>APPROVAL:</td> <td>TOMMY</td> <td>07/JAN/20</td> </tr> <tr> <td>3 PL DEC ±0.08</td> <td></td> <td>CUSTOMER:</td> <td></td> <td></td> </tr> <tr> <td colspan="2">3) Note reference = △</td> <td colspan="3">THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.</td> </tr> </tbody> </table>					UNLESS OTHERWISE SPECIFIED:		SIGNATURES		DATE	1) All dimensions are in metric (mm).		DRAWN:	ROOKIE	07/JAN/20	2) Tolerances are as follows:		CHECKED:	ORION	07/JAN/20	1 PL DEC ±0.30	Fractions ±1/64	ENGINEER:			2 PL DEC ±0.15	Angles ±1°	APPROVAL:	TOMMY	07/JAN/20	3 PL DEC ±0.08		CUSTOMER:			3) Note reference = △		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.		
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MATERIAL SPECIFICATIONS:		<p>Amphenol</p> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>																																					
PROCESS SPECIFICATIONS:		<p>RECEPTACLE, J1939 TYPE 1, 9 POS SQUARE FLANGE, AHD SERIES</p>																																					
NEXT ASSY:		SIZE	TYPE	DWG NO.																																			
		B	C-	AHD10-9-1939P																																			
		SCALE	NONE	REVISION																																			
				A4																																			
		SHEET 1 OF 1																																					

TITLE: RECEPTACLE, J1939 TYPE 1, 9 POS SQUARE FLANGE, AHD SERIES
DWG NO: AHD10-9-1939P
REV: A4
SH: 1
OF: 1

AT Series™ - Contact Size 16 Options

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

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