

3. 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℃. 3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION).
- 3.6 MATING CYCLE DURABILITY: 100 CYCLES
- 3.7 RoHS COMPLIANT
- 4. MATING PART: AHD16-9-1939S8\* ( \* = AVAILABLE MODIFICATIONS )
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

## THICKNESS: 1.57 TO 4.77 6 CONTACT SIZE AND WIRE SEAL RANGE:

PART NUMBER	SEAL TYPE	CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
AHD10-9-1939P-BP80	STANDARD	16	2.54 mm (.100 in)	3.81 mm (.150 in)	14 - 20 AWG
AHD10-9-1939PR-BP80	REDUCED	16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG

RECOMMENDED PANEL

MOUNTING HOLE

SEE NOTE 6 PART NUMBER DESCRIPTION QUANTITY MATERIALS LIST UNLESS OTHERV SIGNATURES DATE Amphenol 08JAN18 Orion 08JAN18 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 08JAN18 Tommy RECEPTACLE, J1939-13 TYPE II, 9 POS., PANEL MOUNT, D-HOLE, AHD SERIES THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DASHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION NO RIGH-FOR EMPOLED ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. В AHD10-9-1939PX-BP80 CALE: NONE SHEET 1 OF 1

J1939-13 TYPE II, 9 POS., PANEL MOUNT, D-HOLE, AHD

## A Series™ - Contact Size 16 Options (Works with: AT, ATV, AHD-9, ARC, DuraMate and PanelMate Series)

	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 Number	Description	
AUTK-16	Hand Crimp Tool, Size 16	
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20	
CA-5D12	Universal Hand Crimp Tool, Size 12/16/20	
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20	

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)		
Part Number	Description	
ATRT-100	Contact and Wedgelock Extraction Tool	
AT11-310-1605	Contact Removal Tool, Plastic, Size 16	

Sealing Plugs (For both Machined or Stamped & Formed Contacts)			
Part Number	Description		
A114017	Sealing Plug, Size 16, White		
A114017-SR	Sealing Plug, Size 16, SR01 Series, Black		
AT13-217-1605	Locking Sealing Plug, Size 16, Grey		
AT13-217-1605-SR	Locking Sealing Plug, Size 16, SR01 Series, Red		

Stamped & Formed Contacts, Sockets & Pins				
Description	Size	AWG	Туре	
Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	14-18	Stamped & Formed	
Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed	
Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed	
Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed	
Female Contact - Socket, Tin-plated	16	16-20	Stamped & Formed	
Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed	
	Description  Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Tin-plated Female Contact - Pin, Tin-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Gold-plated	DescriptionSizeMale Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Nickel-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Pin, Gold-plated16Male Contact - Pin, Mickel-plated16Female Contact - Socket, Gold-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Tin-plated16Female Contact - Pin, Tin-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16	DescriptionSizeAWGMale Contact - Pin, Nickel-plated1614-18Female Contact - Socket, Nickel-plated1614-18Male Contact - Pin, Gold-plated1614-18Female Contact - Socket, Gold-plated1614-18Male Contact - Pin, Nickel-plated1616-18Female Contact - Socket, Nickel-plated1616-18Male Contact - Pin, Gold-plated1616-18Female Contact - Socket, Gold-plated1616-18Male Contact - Pin, Nickel-plated1616-20Female Contact - Socket, Nickel-plated1616-20Male Contact - Pin, Gold-plated1616-20Female Contact - Socket, Gold-plated1616-20Male Contact - Pin, Tin-plated1616-20Female Contact - Pin, Tin-plated1616-20Male Contact - Pin, Nickel-plated1616-20Male Contact - Socket, Tin-plated1616-20Male Contact - Pin, Nickel-plated1620-22Female Contact - Socket, Nickel-plated1620-22Male Contact - Pin, Gold-plated1620-22	

Tooling - Stamped & Formed Contacts		
MFX-3950	Crimp Die - Size 16, 18-20AWG	
MFX-3953	Crimp Die - Size 16, 16-18AWG	
MFX-3975	Crimp Die - Size 16, 14-16AWG	
MFX-3990	Crimp Die - Size 16, 20-22AWG	
ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG	
ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG	
ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG	