

2X Ø5.60

63.0±0.1

RECOMMENDED PANEL

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM

MOUNTING HOLE

CONTACT	MIN. INSUL	MAX. INSUL	TYPICALWIRE	CURRENT
SIZE	O.D.	O.D.	RANGE	RATING
0	4.83 mm	6.10 mm	8-10 AWG	60 AMPS
8	(.190 in)	(.240 in)	(10.0-5.0mm²)	60 AIVIPS
12	3.43 mm	4.32 mm	10-14 AWG	25 AMPS
12	(.135 in)	(.170 in)	(6.0-2.0mm²)	25 AIVIPS
40	2.54 mm	3.40 mm	14-20 AWG	40 41400
16	(.100 in)	(.134 in)	(2.0-0.5mm <sup>2</sup> )	13 AMPS

/î. CONTACT SIZE AND WIRE RANGE:

DESCRIPTION PART NUMBER MATERIALS LIST QUANTITY UNLESS OTHERWISE SPECIFIED SIGNATURES DATE 1) All dimensions are in metric(mm) OAIX.NAI 10/SEP/20 ORION 11/SEP/20 14/SEP/20 TOMMY MATERIAL SPECIFICATIONS THIS DRAWING IS SUPPLIED FOR
INFORMATION ONLY. DESIGN FEATURES,
SPECIFICATIONS AND PERFORMANCE DAT
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Ampheno 44724 Morley Drive Clinton Township, MI 48036 18 POS, RECEPTACLE, SOCKET, PANELMATE AHDP SIZE 24, NORMAL SEAL, WTA

AHDP02-24-18SN-W DURAMATE SHEET 1 OF ALE: NONE

## A Series™ - Contact Size 8 Options (Works with: ATHD and DuraMate Series)

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		
Part Number	Description		
WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961		
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		
WA23-10	Contact Locator, Size 6 and Size 8		
96-978-22	Crimper and Dies -for Size 10mm <sup>2</sup> -185mm <sup>2</sup> Wires		
AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG		

## A Series™ - Contact Size 12 Options (Works with: AHD-6, ATP, ATHD, DuraMate and PanelMate Series)

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

<sup>\*</sup>Works with ATP Series only

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 Number	Description		
CA-5D12	Universal Hand Crimp Tool, Size 12/16/20		
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20		
M300-25A	Hand Crimp Tool used with Crimp Locator MFX-3966, Size 12, 10AWG		
MFX-3966	Contact Locator used with Hand Crimp Tool M300-25A, Size 12, 10AWG		

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)		
Part Number	Description	
ATRT-100	Contact and Wedgelock Extraction Tool	
AT11-337-1205 Contact Removal Tool, Plastic, Size 12		

Sealing Plugs (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
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 Number	Description	
MFX-3973	Crimp Die - Size 12	
MFX-3985	Crimp Die - Svize 12, 10-12AWG -02XX Series	
ATT-12-00	Hand Crimp Tool - Size 12, 12AWG	
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG	

## 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-20	Hand Crimp Tool, Size 20	
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				
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		
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	