

REVISIONS REV ECO DESCRIPTION DATE APPR RELEASE NEW DRAWING 11MAY20 IAN TOMMY MODIFY PRODUCT NAME A2 11AUG20 TOMMY IAN А3 UPDATE DIMENSION 03NOV21 LYNCH TOMMY

SIZE 12 CONTACTS (16 PLACES)

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC; BLACK

SEAL: SILICONE RUBBER

2. MODIFICATIONS: THREADED ADAPTER; REDUCED 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:

IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);

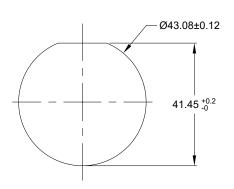
IP69K(MATED CONDITION)

- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT
- 4. MATING PART: AHDP06-24-16S\* (\* = SEAL TYPE)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

## 6 CONTACT SIZE AND WIRE RANGE:

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	CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL	CURRENT
	SIZE	O.D.	O.D.	WIRE RANGE	RATING
	12	3.42 mm (.135 in)	4.32 mm (.170 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS

7. RECEPTACLE IS SUPPLIED WITH DUST CAP.



42.1±0.5

12.8

10.7

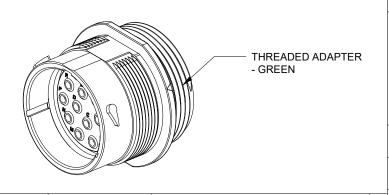
1 11/16-12 UN THREAD

RECOMMENDED PANEL MOUNTING HOLE

Ø40.1

1 11/16-18 UNEF THREAD

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



QUANTITY	PART N	IUMBER		DESCRIPTION		
		MA	TERI	ALS LIST		
	WISE SPECIFIED	SIGNATUR	ES DATE	A		
All dimensions a     Tolerances are a     PL DEC ±0.30		DRAWN: LYNCH.PA	N 03NOV21	Ampheno		
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED: SULLENZHA	NG 03NOV21	Sine Systems - www.amphenol-sine.com		
3) Note reference	- 🗴	ENGINEER:		44724 Morley Drive Clinton Township, MI 48036		
MATERIAL SPECIFICA	TIONS:	APPROVAL: TOMMYXI	E 05NOV21	Clinton Township, Wii 48036		
		CUSTOMER:		RECEPT.,SIZE 24,16-PIN,		
WEIGHT:47.9G PROCESS SPECIFICATIONS:		SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL		NORMAL SEAL, WTA, DURAMATE AHD		
				D C- AIIDF04-24-10F14-W		
NEXT ASS'Y:		MANUFACTURING VARIAT	TIONS	SCALE: NONE DUDAMATE		

AHDP04-24-16PN-WTA

REF:HDP24-24-16PN-L024 ITEM ol

P SERIES

## **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			AWG	Туре	
Γ	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			
AUTK-12	AUTK-12 Hand Crimp Tool, Size 12			
AUTK-100 Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20				
CA-5D12	CA-5D12 Universal Hand Crimp Tool, Size 12/16/20			
CA-5E12	CA-5E12 Pneumatic Crimp Tool, Size 12/16/20			
M300-25A	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	ATT-12-00 Hand Crimp Tool - Size 12, 12AWG		
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG		