

RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS: 1.6 TO 4.7MM

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASE NEW DRAWING	11MAY20	IAN	TOMMY
A2	--	MODIFY PRODUCT NAME	11AUG20	IAN	TOMMY
A3	--	UPDATE DIMENSION	03NOV21	LYNCH	TOMMY

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: AHDPO6-24-16P\* (\* = SEAL TYPE)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6. CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
12	2.46 mm (.097 in)	4.01 mm (.158 in)	10-14 AWG (6.0-2.0mm <sup>2</sup> )	25 AMPS

7. RECEPTACLE IS SUPPLIED WITH DUST CAP.

QUANTITY	AHDPO4-24-16SR-WTA	REF:HDP24-24-16SE-L024	DESCRIPTION	ITEM
<b>MATERIALS LIST</b>				
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE
1) All dimensions are in metric(mm).		DRAWN: LYNCHPAN		03NOV21
2) Tolerances are as follows:		CHECKED: SULLENZHANG		03NOV21
1 PL DEC ±0.30		ENGINEER:		
2 PL DEC ±0.15		APPROVAL: TOMMYXIE		05NOV21
3 PL DEC ±0.08		CUSTOMER:		
3) Note reference =		MATERIAL SPECIFICATIONS:		
WEIGHT: 52.3G		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.		
PROCESS SPECIFICATIONS:		SIZE	TYPE	DWG NO.
NEXT ASSY:		B	C-	AHDPO4-24-16SR-WTA
		SCALE:	NONE	DURAMATE
				SHEET 1 OF 1
				REVISION
				A3

**Amphenol**

Sine Systems - www.amphenol-sine.com  
44724 Morley Drive  
Clinton Township, MI 48036



RECEPT., SIZE 24, 16-SOCKET  
RD01 SEAL, WTA, DURAMATE AHDP SERIES

TITLE: RECEPT., SIZE 24, 16-SOCKET, RD01 SEAL, WTA, DURAMATE AHDP SERIES  
DWG NO.: AHDPO4-24-16SR-WTA  
REV: A3  
SH: 1  
OF: 1

# DuraMate™ AHDP - Contact Size 12 Options



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

DiagnosticGrade™ Machined Contacts, Sockets & Pins				
• Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective				
Part Number	Description	Size	AWG	Type
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)
	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)

Contact Removal Tools		
Part	Part Number	Description
	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	Type
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 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)
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)