

REVISIONS REV ECO DESCRIPTION DATE **APPR** RELEASE NEW DRAWING 11MAY20 IAN TOMMY A2 MODIFY PRODUCT NAME 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);

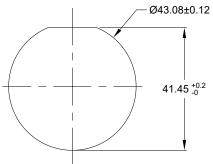
IP69K(MATED CONDITION)

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

/(	6\ 6	CONTACT	SIZE AND	WIRF	RANGE:
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CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL	CURRENT
SIZE	O.D.	O.D.	WIRE RANGE	RATING
12	2.46 mm (.097 in)	4.01 mm (.158 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

RECOMMENDED PANEL MOUNTING HOLE

Ø40.1

1 11/16-18 UNEF THREAD

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



QUANTITY MATERIALS LIST UNLESS OTHERWISE SPECIFIED SIGNATURES DATE LYNCH.PAN 03NOV21 SULLENZHANG 03NOV21 TOMMY.XIE 05NOV21 WEIGHT:52.3G THIS DRAWING IS SUPPLIED FOR NFORMATION ONLY. DESIGN FEATURES, PROCESS SPECIFICATIONS INFORMATION ONLY, DESIGN FEAT UNES, 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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Amphenol 44724 Morley Drive Clinton Township, MI 48036

THREADED ADAPTER

- BLUE

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

CALE: NONE DURAMATE SHEET 1 OF 1

1 11/16-12 UN THREAD

NEXT ASS'Y:

## **DuraMate™ AHDP** - Contact Size 12 Options

Machined Contacts, Sockets & Pins					
Part Number	Part Number Description		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	AT60-220-1231 Male Contact - Pin, Gold-plated		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 Siz		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	Part Number	Description		
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)		
33	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	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 Part Number Description		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)		
	АП-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)		