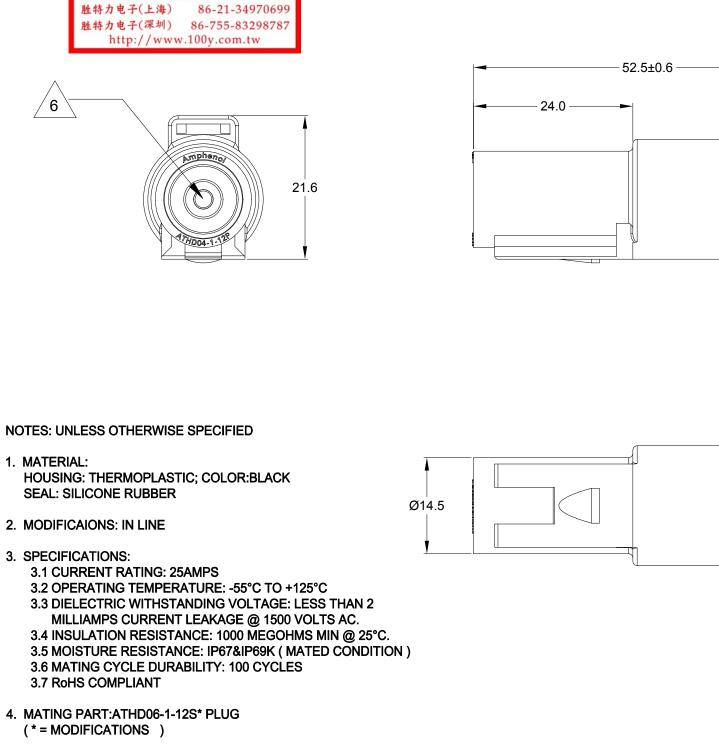
A1 - RELEASE NUMBER 27MAY20 VITO TOMMY	]				REVISIONS				
A2         CHANGE IP RATE FROM IP67 TO IP67&IP698         270CT20         VITO         TOMMA           Image: Additional state in the state i	1	APPR	BY	DATE	CRIPTION	DES		ECO	REV
Image: second	1	ТОММҮ	νιτο τ	27MAY20	E NUMBER	RELEAS		-	A1
ATD041-12P       DESCRIPTION         PART NUMBER       DESCRIPTION         TATERIALS LIST         Setterment         Setterment         TATERIALS LIST         Setterment         Setterment         TATERIALS LIST         Setterment		ТОММҮ	νίτο τ	27OCT20	ROM IP67 TO IP67&IP69K	PRATE F	CHANGE IF	-	A2
MATERIALS LIST         SPECIFIED       SIGNATURES       DATE         metric(mm).       DRAWN:       VIT0       27/0CT/20         Sations ±1/64       CHECKED:       ORION       28/0CT/20         ENGINEER:       APPROVAL:       TOMMY       29/0CT/20	THE THOS, RECEPTACLE, PIN, ATHU SERIES, SIZE TZ, BLACK DWG NG ATHUU4-1-12P NEW AZ ON 1 OF								ATHC
metric(mm). ows: actions ±1/64 gles ±1*     DRAWN:     VITO     27/OCT/20       CHECKED:     ORION     28/OCT/20     Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	-					ERI			
CHECKED:     ORION     28/OCT/20       ENGINEER:     APPROVAL:     TOMMY       APPROVAL:     TOMMY	1			h	Δm	DATE	ATURES		
APPROVAL: TOMMY 29/OCT/20 APPROVAL: TOMMY 29/OCT/20 APPROVAL: TOMMY 29/OCT/20		1							ows: actions ±1/64
TOMMY 29/OCT/20				ley Drive	44724 Mor	28/OCT/20	ORION		gles ±1°
	_		5	vnship, MI 48036	Clinton To	29/OCT/20	TOMMY	APPROVAL:	
THIS DRAWING IS SUPPLIED FOR ATHD SERIES, SIZE 12, BLACK						OR	G IS SUPPLIED F	THIS DRAWI	
INFORMATION ONLY. DESIGN FEATURES,		REVISION	12P	THD04-1-	SIZE TYPE DWG NO:	FEATURES, RMANCE DATA OPERTY OF DN. NO RIGHTS IED. ALL D NORMAL	N ONLY. DESIGN ONS AND PERFOI EON ARE THE PR OL CORPORATIO ICTION ARE IMPL ARE SUBJECT TO	INFORMATIC SPECIFICATI SHOWN HER THE AMPHEI OF REPRODI DIMENSIONS	

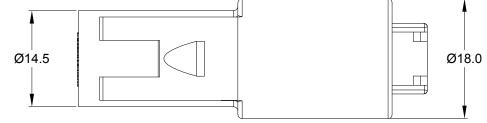


5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

勝特力電材超市-龍山店 886-3-5773766 勝特力電材超市-光復店 886-3-5729570

/6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

C	ONTACT	MIN. INSUL	MAX. INSUL	TYPICAL
	SIZE	O.D.	O.D.	WIRE RANGE
	12	3.40 mm (.134 in)	4.32 mm (.170 in)	10 - 14 AWG (5.0-2.0 mm²)





				REVISIONS				
REV		ECO		SCRIPTION	DATE		APPR	
	A1	-		E NUMBER	27MAY20			
	A2	-	CHANGE IP RATE FI		39K 27OCT20	VITO	TOMMY	
								TITLE: 1 POS, RECEPTACLE, PIN, ATHD SERIES, SIZE 12, BLACK
								M DWG NO:
								ATHD04-1-12P
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		04-1-12P NUMBEF		DESCRI	PTION		ITEM	
QUANTITY				ALS LIST				
UNLESS OTHERV 1) All dimensions as	-		NATURES DATE		nphe	nol		
2) Tolerances are as 1 PL DEC ±0.30 2 PL DEC ±0.15	s follows: Fractions ±1/64	DRAWN: CHECKED:	VITO 27/OCT/20		-			
3 PL DEC ±0.08	Angles ±1°	ENGINEER:	ORION 28/OCT/20		ms - www.amphenol Morley Drive	-sine.com		
3) Note reference = X APPROVAL: TAL		TOMMY 29/OCT/20		Township, MI 48036	6			
MATERIAL SPECIFICATIONS: IUMM1 Z3/0017 CUSTOMER:					RECEPTACLE			
THIS DRAWING IS SUPPLIED FOR PROCESS SPECIFICATIONS: SPECIFICATIONS: SPECIFICATIONS AND PERFORMANCE DATA					RIES, SIZE 12,	, BLACK	REVISION	
SPEUFICATION SHOWN HEREO THE AMPHENOL OF REPRODUCT DIMENSIONS AF			EON ARE THE PROPERTY OF NOL CORPORATION. NO RIGHTS UCTION ARE IMPLIED. ALL & ARE SUBJECT TO NORMAL	B C-	ATHD04-1-		A2	
NEXT ASS'Y:			IRING VARIATIONS.	NONE	SH	IEET <b>1</b>	DF <b>1</b>	I

## MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

Machined Contacts, Sockets & Pins						
Part Number	Part Number Description					
AT60-204-12141-10	tale 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-		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	62-203-12141 Female Contact - Socket, Nickel-plated 12 12-14 Mach		Machined			

]	Stamped & Formed Contacts, Sockets & Pins							
1	Part Number	Description	Size	AWG	Туре			
1	AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed			
1	AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed			
1	AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed			
1	AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed			
1	AT60-12-0144	I60-12-0144         Male Contact - Pin, Gold-plated		12-14	Stamped & Formed			
1	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			

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	

DiagnosticGrade™ Machined Contacts, Sockets & Pins

	Tooling - Machined Contacts				
Part	Part Number	Description			
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)			
SP F	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				

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)				

Amphenol Sine Systems

44724 Morley Drive Clinton Township, MI 48036 USA www.amphenol-sine.com 01/2022