



 $\sqrt{1}$ SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:

HOUSING: THERMOPLASTIC SEAL: SILICONE RUBBER

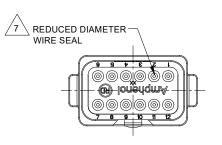
- 3. MODIFICATIONS: REDUCED DIAMETER WIRE SEAL
- 4. SPECIFICATIONS:
  - 4.1 CURRENT RATING: 13 AMPS
  - 4.2 OPERATING TEMPERATURE: -55°C TO +125°C
  - 4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - 4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - 4.5 MOISTURE RESISTANCE: IP69K&IP68 ( 1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION )
  - 4.6 MATING CYCLE DURABILITY: 100 CYCLES
  - 4.7 RoHS COMPLIANT
- 5. MATING PART: AT06-12SX\* PLUG (X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS)
- 6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

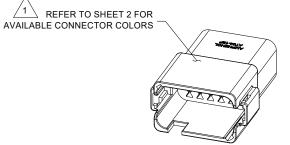


CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL
SIZE	O.D.	O.D.	WIRE RANGE
16	1.35 mm	3.05 mm	14 - 20 AWG
	(.053 in)	(.120 in)	

	REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR	
A3	-	RELEASE NEW DRAWING FORMAT	12NOV13	DRP	-	
A4	C1403S	UPDATE THE APPEARANCE	16NOV21	LOUIE	TOMMY	

TITLE RECEPTACLE, 12 PIN, AT SERIES, KEYED, REDUCED DIA. SEAL

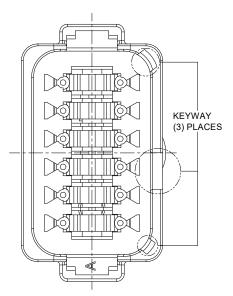




	SEE SHEET 2 REF: D			DT04-12PA-CE08、DT04-12PB-CE08、DT04-12PC-CE08、DT04-12PD-CE08						
	PART N	IUMBER			DESCRIPTION			ITE	М	
QUANTITY		r	MAT	ERI	٩LS	S LI	ST			٦
UNLESS OTHER	WISE SPECIFIED	SIGNATURES DATE		DATE			mnh	200	1	
2) Tolerances are a 1 PL DEC ±0.30		DRAWN:	LOUIE	16NOV21			$\mathbf{mphe}$	3110		
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	ORION	17NOV21	44724 Morley Drive Clinton Township, MI 48036					
3) Note reference	<b>-</b> ∕x	ENGINEER:								
MATERIAL SPECIFICA	TIONS:	APPROVAL:	TOMMY	18NOV21				$\dashv$		
WEIGHT:1	7 7a	CUSTOMER:			RECEPTACLE, 12 PIN, AT SERIES,		,			
			S IS SUPPLIED FO		KEYED, REDUCED DIAMETER WIRE SEAL					
PROCESS SPECIFICA	HONS:	SPECIFICATION SHOWN HEREO THE AMPHENO OF REPRODUC	NS AND PERFOR	TION, NO RIGHTS B C- ATU4-12P		AT04-12PX	-RDXXX	A2	* 1	
NEXT ASS'Y:			ING VARIATIONS		SCALE: NONF SHEET 1 OF		or 2	$\neg$		

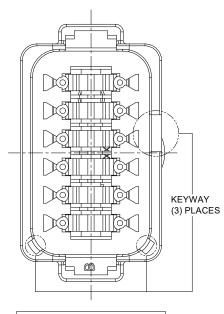
## REVISIONS REV ECO DESCRIPTION DATE BY APPR A3 RELEASE NEW DRAWING FORMAT 12NOV13 DRP A4 C1403S UPDATE THE APPEARANCE 16NOV21 LOUIE TOMMY

P/N AT04-12PA-RD01 KEY-A CONFIGURATION STANDARD COLOR: GREY



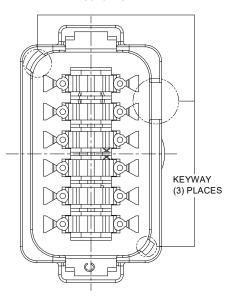
KEY-A CONFIGURATION				
COLOR PART NUMBER				
* GREY AT04-12PA-RD01				
BLACK	AT04-12PA-RDBLK			
GREEN	AT04-12PA-RDGRN			
BROWN	AT04-12PA-RDBRN			

P/N AT04-12PB-RD01 KEY-B CONFIGURATION STANDARD COLOR: BLACK



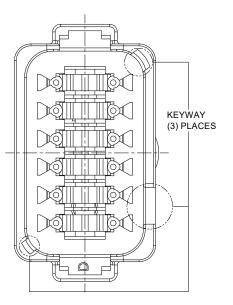
KEY-B C	KEY-B CONFIGURATION			
COLOR	PART NUMBER			
GREY AT04-12PB-RDGRY				
* BLACK	AT04-12PB-RD01			
GREEN	AT04-12PB-RDGRN			
BROWN	AT04-12PB-RDBRN			

P/N AT04-12PC-RD01 KEY-C CONFIGURATION STANDARD COLOR: GREEN



KEY-C C	KEY-C CONFIGURATION				
COLOR	PART NUMBER				
GREY	AT04-12PC-RDGRY				
BLACK	AT04-12PC-RDBLK				
* GREEN AT04-12PC-RD01					
BROWN AT04-12PC-RDBRN					

P/N AT04-12PD-RD01 KEY-D CONFIGURATION STANDARD COLOR: BROWN



*BROWN AT04-12PD-RD01					
GREEN AT04-12PD-RDGRN					
BLACK	AT04-12PD-RDBLK				
GREY	AT04-12PD-RDGRY				
COLOR	PART NUMBER				
KEY-D C	KEY-D CONFIGURATION				

NOTE:

AN ASTERISKS (  $^{\star}$  ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

PART NUMBER DESCRIPTION MATERIALS LIST QUANTITY UNLESS OTHERWISE SPECIFIED SIGNATURES DATE **Amphenol** LOUIE 16NOV21 ORION 17NOV21 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 TOMMY 18NOV21 RECEPTACLE, 12 PIN, AT SERIES, WEIGHT:17.7g 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 OMINENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. KEYED, REDUCED DIAMETER WIRE SEAL B C-AT04-12PX-RDXXX NEXT ASS'Y: SCALE: NONE SHEET 2 OF 2

TITLE: RECEPTACLE, 12 PIN, AT SERIES, KEYED, REDUCED DIA. SEAL

AT04-12PX-RDXX

X REV: A4 SH: 2

SH: 2 OF

ITEM ~

## 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-16	Hand Crimp Tool, Size 16			
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						
Description	Size	AWG	Туре			
Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed			
Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed			
Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed			
Female Contact - Socket, Gold-plated	16	14-18	Stamped & Formed			
Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed			
Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed			
Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed			
Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed			
Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed			
Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed			
Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed			
Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed			
Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed			
Female Contact - Socket, Tin-plated	16	16-20	Stamped & Formed			
Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed			
Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed			
Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed			
Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed			
	Description  Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Tin-plated Female Contact - Pin, Tin-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Gold-plated	DescriptionSizeMale Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Nickel-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Pin, Gold-plated16Male Contact - Pin, Mickel-plated16Female Contact - Socket, Gold-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Tin-plated16Female Contact - Pin, Tin-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16	DescriptionSizeAWGMale Contact - Pin, Nickel-plated1614-18Female Contact - Socket, Nickel-plated1614-18Male Contact - Pin, Gold-plated1614-18Female Contact - Socket, Gold-plated1614-18Male Contact - Pin, Nickel-plated1616-18Female Contact - Socket, Nickel-plated1616-18Male Contact - Pin, Gold-plated1616-18Female Contact - Socket, Gold-plated1616-18Male Contact - Pin, Nickel-plated1616-20Female Contact - Socket, Nickel-plated1616-20Male Contact - Pin, Gold-plated1616-20Female Contact - Socket, Gold-plated1616-20Male Contact - Pin, Tin-plated1616-20Female Contact - Pin, Tin-plated1616-20Male Contact - Pin, Nickel-plated1616-20Male Contact - Socket, Tin-plated1616-20Male Contact - Pin, Nickel-plated1620-22Female Contact - Socket, Nickel-plated1620-22Male Contact - Pin, Gold-plated1620-22			

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