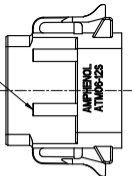
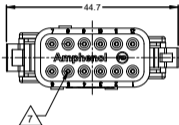
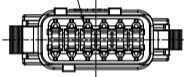


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	26MAY24	HARRIS	TOMMY

1  
KEYED (3) PLACES



REQUIRES CONTACT  
RETENTION WEDGE AWM-12S



NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

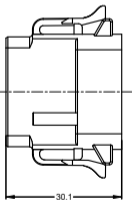
2. MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER; COLOR: GREEN
3. MODIFICATIONS: REDUCED DIAMETER WIRE SEAL

4. SPECIFICATIONS:
- 4.1 CURRENT RATING: 7.5 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: IP68 (1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION.)
  - 4.6 MATING CYCLE DURABILITY: 100 CYCLES
  - 4.7 RoHS COMPLIANT.

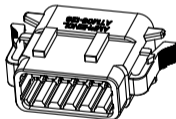
5. MATING PART: ATM04-12PX\* RECEPTACLE.  
(X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

1 CONTACT SIZE AND REAR SEAL WIRE RANGE:



CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
20	1.12 mm (.044 in)	2.31 mm (.091 in)	16 - 22 AWG (1.5-0.35mm <sup>2</sup> )



SEE SHEET 2		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED:				
1) All dimensions are in metric (mm)				
2) Tolerances are as follows:				
1 PL DEC ±0.30   Fractions ±1/64				
2 PL DEC ±0.16   Angles ±1°				
3 PL DEC ±0.08				
3) Note reference to				
SIGNATURES:		DATE:		
DESIGN: HARRIS		26MAY24		
CHECKED: ORON		26MAY24		
ENGINEER:				
APPROVAL: TOMMY		26MAY24		
MATERIAL SPECIFICATIONS:		FINISHES:		
WEIGHT: 10.9g				
PROCESS SPECIFICATIONS:		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA (SPECIAL HANDLING) ARE THE PROPERTY OF AMPHENOL CORPORATION. NO RIGHTS OF INVENTION ARE RESERVED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.		
TEST DATA:				
		 Site Systems - www.amphenol-site.com 44724 Mosley Drive Clinton Township, MI 48036		
		12 POS. PLUG, SOCKET, ATM SERIES™, KEYED, RD SEAL		
SIZE:	TYPE:	UNIT NO:	REVISION:	
B	C-	ATM06-12SX-RDXXX	A1	
SCALE:	NONE			SHEET 1 OF 2

FILE: 0 POS PLUG, SOCKET, ATM SERIES™, KEYED, RD SEAL

DATE: ATM06-12SX-RDXXX

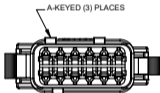
REV: A1

SHEET 1

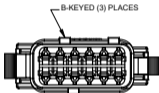
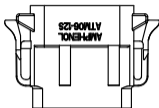
OF 2

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	28MAY24	HARRIS	TOMMY

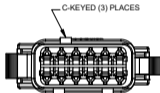
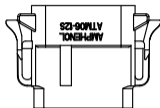
P/N ATM06-12SA-RD01  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



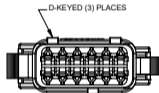
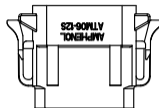
P/N ATM06-12SB-RD01  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



P/N ATM06-12SC-RD01  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN



P/N ATM06-12SD-RD01  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



KEY-A CONFIGURATION	
COLOR	PART NUMBER
* GREY	ATM06-12SA-RD01
BLACK	ATM06-12SA-RDBLK
GREEN	ATM06-12SA-RDGRN
BROWN	ATM06-12SA-RDBRN

KEY-B CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM06-12SB-RDGRY
* BLACK	ATM06-12SB-RD01
GREEN	ATM06-12SB-RDGRN
BROWN	ATM06-12SB-RDBRN

KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM06-12SC-RDGRY
BLACK	ATM06-12SC-RDBLK
* GREEN	ATM06-12SC-RD01
BROWN	ATM06-12SC-RDBRN

KEY-D CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM06-12SD-RDGRY
BLACK	ATM06-12SD-RDBLK
GREEN	ATM06-12SD-RDGRN
* BROWN	ATM06-12SD-RD01

NOTE:

AN ASTERISKS ( \* ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
<b>MATERIALS LIST</b>			
<small>UNLESS OTHERWISE SPECIFIED:            1) All dimensions are in millimeters.            2) Tolerances are as follows:            3 P/L DEC +0.30 / -0.30    Precision ± 0.04            2 P/L DEC +0.38 / -0.38    Angles ± 1°            3) Hole reference =  </small>			
<small>REVISIONS</small> 1. HARRIS    28MAY24 2. ORION    28MAY24 3. TOMMY    28MAY24		<div style="text-align: center;">             Site Systems - www.amphenol-site.com            44724 Morley Drive            Clinton Township, MI 48036         </div>	
<small>GENERAL SPECIFICATIONS</small> WEIGHT: 10.9g		<small>THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES AND PERFORMANCE DATA INDICATED ARE THE PROPERTY OF THE APPLICABLE COMPANY. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.</small>	
<small>PROCESS SPECIFICATIONS</small> NEXT STEP:		<small>SIZE</small> <small>TYPE</small> <small>REV</small> <small>ISSUE</small> B    C-    ATM06-12SX-RDXXX    A1 <small>SCALE</small> NONE <small>SHEET</small> 2 <small>OF</small> 2	
12 POS, PLUG, SOCKET, ATM SERIES™, KEYPED, RD SEAL			

# ATM, DuraMate™ and PanelMate™ Series

## Size 20 Contact & Tooling Options

### Contacts - Machined

Part Number	Type	Style	Contact Size	Amp	Wire Range (AWG)	Wire Range (mm <sup>2</sup> )	Insulation OD (mm)	Plating	Reel Size	Packaging
AT60-010-20141	Pin	Machined	Size 20	7.5A	16-18AWG	-	-	Nickel-Plated	-	-
AT60-010-2031	Pin	Machined	Size 20	7.5A	16-18AWG	-	-	Gold-Plated	-	-
AT60-202-20NKIT	Pin	Machined	Size 20	7.5A	18-22AWG	-	-	Nickel-Plated	-	-
AT60-202-20141	Pin	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT60-202-2031	Pin	Machined	Size 20	7.5A	20-22AWG	-	-	Gold-Plated	-	-
AT60-202-2031-22	Pin	Machined	Size 20	5A	22-26AWG	-	-	Gold-Plated	-	-
AT60-202-20141-22	Pin	Machined	Size 20	5A	22-26AWG	-	-	Nickel-Plated	-	-
AT62-005-20141	Socket	Machined	Size 20	7.5A	16-18AWG	-	-	Nickel-Plated	-	-
AT62-005-2031	Socket	Machined	Size 20	7.5A	16-18AWG	-	-	Gold-Plated	-	-
AT62-201-20NKIT	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT62-201-20141	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT62-201-2031	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Gold-Plated	-	-
AT62-20-0422	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT62-20-0444	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Gold-Plated	-	-
AT62-201-2031-22	Socket	Machined	Size 20	5A	22-26AWG	-	-	Gold-Plated	-	-
AT62-201-20141-22	Socket	Machined	Size 20	5A	22-26AWG	-	-	Nickel-Plated	-	-

### Contacts - Stamped & Formed

AT60-20-0122	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Nickel-Plated	-	-
AT60-20-0122-LP	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Nickel-Plated	-	Loose Piece
AT60-20-0144	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Gold-Plated	-	-
AT60-20-0144-LP	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Gold-Plated	-	Loose Piece
AT60-20-0222	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.30 - 2.16mm	Nickel-Plated	-	-
AT60-20-0244	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.30 - 2.16mm	Gold-Plated	-	-
AT60-20-0277	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.30 - 2.16mm	Tin-Plated	-	-
AT60-20-0422	Pin	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm <sup>2</sup>	1.25 - 1.8mm	Nickel-Plated	-	-
AT60-20-0444	Pin	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm <sup>2</sup>	1.25 - 1.8mm	Gold-Plated	-	-
AT60-20-0477	Pin	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm <sup>2</sup>	1.25 - 1.8mm	Tin-Plated	-	-
AT62-20-0122	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Nickel-Plated	-	-
AT62-20-0122-LP	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Nickel-Plated	-	Loose Piece
AT62-20-0144	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Gold-Plated	-	-
AT62-20-0144-LP	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.91 - 3.15mm	Gold-Plated	-	Loose Piece
AT62-20-0222	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.30 - 2.16mm	Nickel-Plated	-	-
AT62-20-0244	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.30 - 2.16mm	Gold-Plated	-	-
AT62-20-0277	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm <sup>2</sup>	1.30 - 2.16mm	Tin-Plated	-	-
AT62-20-0422	Socket	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm <sup>2</sup>	1.25 - 1.8mm	Nickel-Plated	-	-
AT62-20-0444	Socket	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm <sup>2</sup>	1.25 - 1.8mm	Gold-Plated	-	-
AT62-20-0477	Socket	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm <sup>2</sup>	1.25 - 1.8mm	Tin-Plated	-	-

# ATM, DuraMate™ and PanelMate™ Series

## Size 20 Contact & Tooling Options, cont.

### Tooling

Part Number	Tool Name	Style	Contact Size	Wire Range (AWG)	Material	Color
AUTK-20	Hand Crimp Tool	Machined	Size 20	12-26AWG	-	-
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit	Machined	Size 12/16/20	12-26AWG	-	-
CA-5D12	Universal Hand Crimp Tool	Machined	Size 12/16/20	12-26AWG	-	-
CA-5E12	Pneumatic Crimp Tool	Machined	Size 12/16/20	12-26AWG	-	-
MFX-3974-G or K	Crimp Die Press Applicator	S&F	Size 20	20AWG	-	-
MFX-3976-G or K	Crimp Die Press Applicator	S&F	Size 20	20-22AWG	-	-
MFX-3978-G or K	Crimp Die Press Applicator	S&F	Size 20	20-22AWG	-	-
ATT-20-00	Hand Crimp Tool	S&F	Size 20	16-20AWG	-	-
ATRT-100	Contact and Wedgelock Extraction Tool	Universal	Universal	-	Steel	Silver
AT11-240-2005	Contact Extraction Tool	Universal	Size 20	-	Plastic	Red
AT13-204-2005	Seal Plug	Universal	Size 20	-	Thermoplastic	White
AT13-204-2005-SR	Seal Plug	Universal	Size 20	n/a	Thermoplastic	Black
ATM13-217-2005	Locking Seal Plug	Universal	Size 20	-	Thermoplastic	Grey
ATM13-217-2005-SR	Locking Seal Plug	Universal	Size 20	-	Thermoplastic	Blue