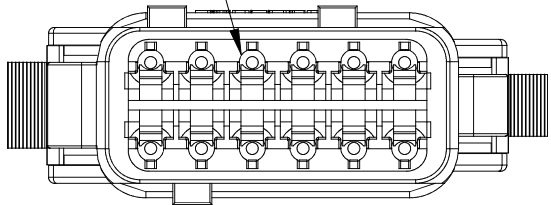
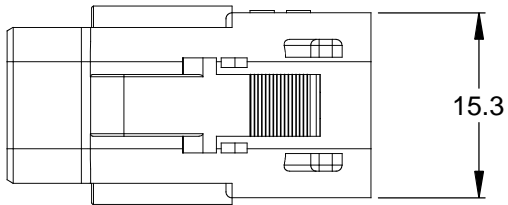
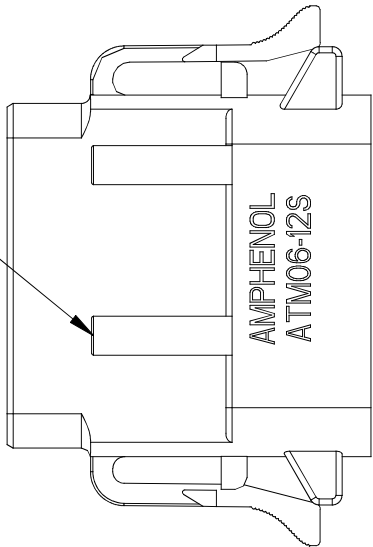


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3		RELEASE NEW DWG FORMAT	06/07/13	DRP	

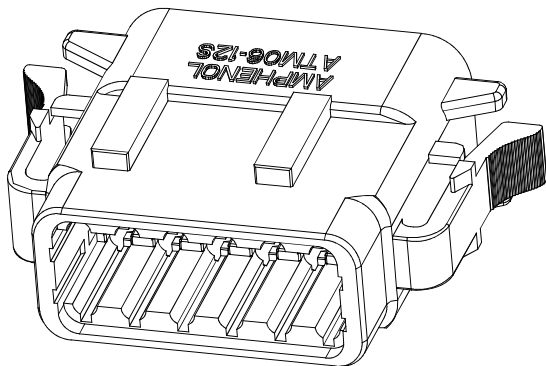
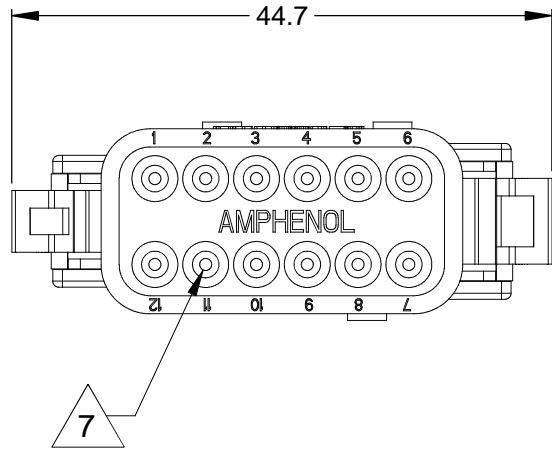
REQUIRES CONTACT
RETENTION WEDGE AWM-12S



1
KEYED (3) PLACES



15.3



NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

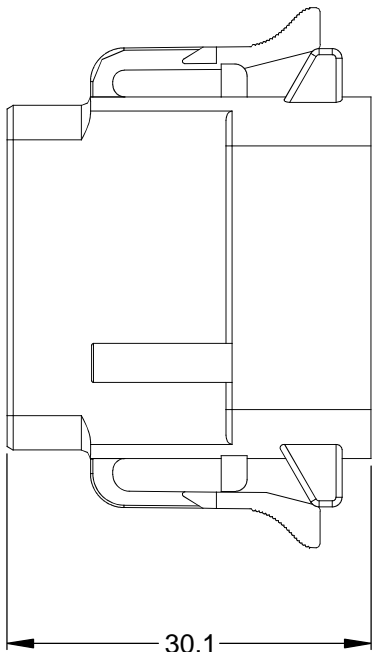
2. MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER

3. MODIFICATIONS: N/A

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: IP67 (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.



30.1

7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
20	1.35 mm (.053 in)	3.05 mm (.120 in)	16 - 22 AWG

SEE SHEET 2			
PART NUMBER		DESCRIPTION	
ITEM			
QUANTITY	MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED		<div>Amphenol</div> <div>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</div>	
1) All dimensions are in metric(mm).			
2) Tolerances are as follows:			
1 PL DEC ±0.30			
2 PL DEC ±0.15			
3 PL DEC ±0.08			
Fractions ±1/64			
Angles ±1°			
3) Note reference = 			
MATERIAL SPECIFICATIONS:		<div>PLUG, KEYED, 12 SOCKET, ATM SERIES</div>	
PROCESS SPECIFICATIONS:		SIZE	
		TYPE	
		DWG NO:	
		REVISION	
NEXT ASSY:		B C- ATM06-12SX-XXX A3	
		SCALE: NONE	
		SHEET 1 OF 2	

TITLE: PLUG, KEYED, 12 SOCKET, ATM SERIES
DWG NO: ATM06-12SX-XXX
REV: A3
SH: 1
OF: 2

REV

ECO

DESCRIPTION

DATE

BY

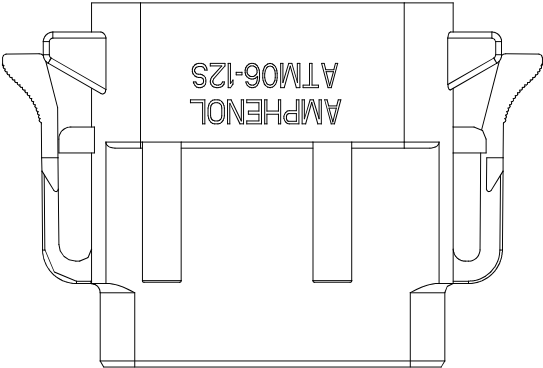
APPR

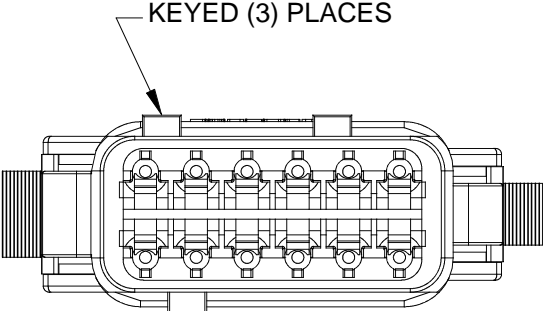
REVISIONS

P/N ATM06-12SA

KEY-A CONFIGURATION

STANDARD COLOR: GREY



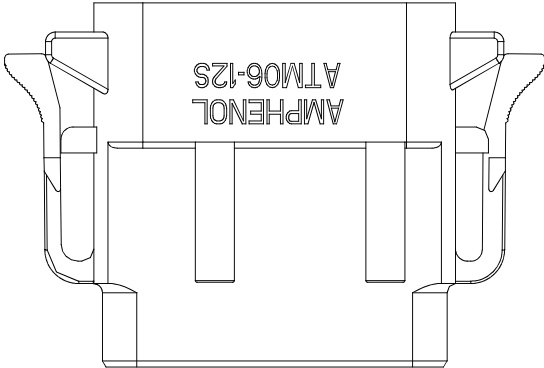


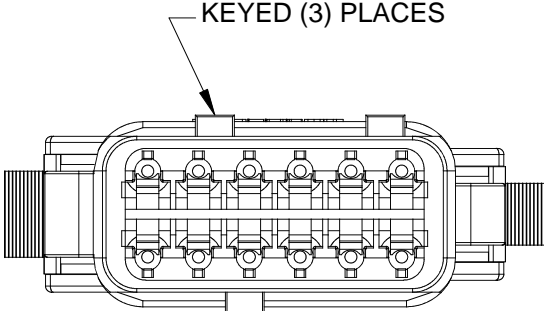
KEY-A CONFIGURATION	
COLOR	PART NUMBER
* GREY	ATM06-12SA
BLACK	ATM06-12SA-BLK
GREEN	ATM06-12SA-GRN
BROWN	ATM06-12SA-BRN

P/N ATM06-12SB

KEY-B CONFIGURATION

STANDARD COLOR: BLACK



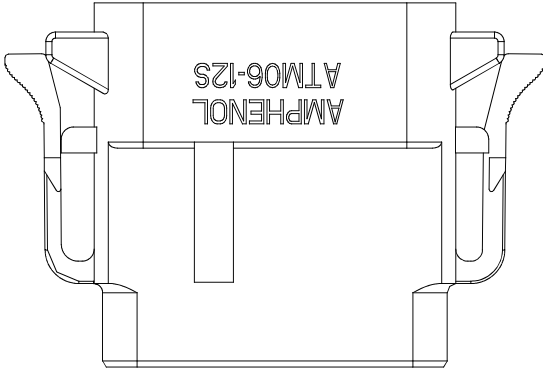


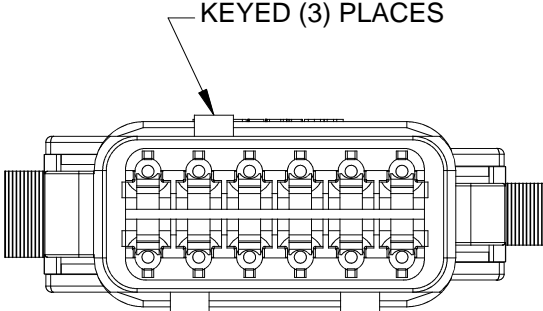
KEY-B CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM06-12SB-GRY
* BLACK	ATM06-12SB
GREEN	ATM06-12SB-GRN
BROWN	ATM06-12SB-BRN

P/N ATM06-12SC

KEY-C CONFIGURATION

STANDARD COLOR: GREEN



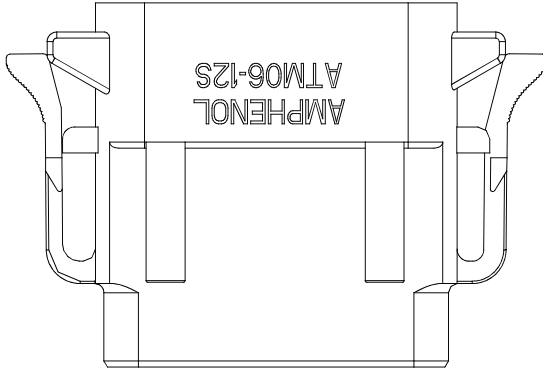


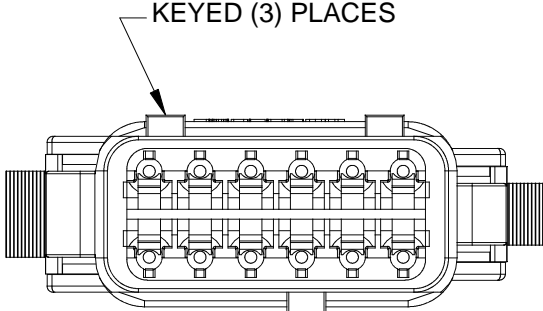
KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM06-12SC-GRY
BLACK	ATM06-12SC-BLK
* GREEN	ATM06-12SC
BROWN	ATM06-12SC-BRN

P/N ATM06-12SD

KEY-D CONFIGURATION

STANDARD COLOR: BROWN






KEY-D CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM06-12SD-GRY
BLACK	ATM06-12SD-BLK
GREEN	ATM06-12SD-GRN
* BROWN	ATM06-12SD

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
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	
1) All dimensions are in metric(mm).		DRAWN: D.PARKS	
2) Tolerances are as follows:		DATE 18/JUN/13	
1 PL DEC ±0.30		CHECKED:	
2 PL DEC ±0.15		ENGINEER:	
3 PL DEC ±0.08		APPROVAL:	
3) Note reference = 		CUSTOMER:	
MATERIAL SPECIFICATIONS:		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 B C-	
NEXT ASSY:		DWG NO: ATM06-12SX-XXX	
		REVISION A3	
		SCALE: NONE	
		SHEET 2 OF 2	

TITLE: PLUG, KEYED, 12 SOCKET, ATM SERIES

DWG NO: ATM06-12SX-XXX



REV: A3


SH: 2





OF: 2

ATM Series™ - Contact Size 20 Options



Machined Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-010-2031	Male Contact - Pin, Gold-plated	20	16-18	Machined
AT62-005-20141	Female Contact - Socket, Gold-plated	20	16-18	Machined
AT60-010-20141	Male Contact - Pin, Nickel-plated	20	16-18	Machined
AT62-005-2031	Female Contact - Socket, Nickel-plated	20	16-18	Machined
AT60-202-2031	Male Contact - Pin, Gold-plated	20	20-22	Machined
AT62-201-2031	Female Contact - Socket, Gold-plated	20	20-22	Machined
AT60-202-20141	Male Contact - Pin, Nickel-plated	20	20-22	Machined
AT62-201-20141	Female Contact - Socket, Nickel-plated	20	20-22	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
	ATRT-100	Used for removal of contacts for A Series™ products
	AT11-240-2005	Contact Removal Tool, Plastic, Size 20

Sealing Plugs		
Part	Part Number	Description
	AT13-204-2005	Sealing Plug, Size 20, White
	AT13-204-2005-SR	Sealing Plug, Size 20, SR01 Series, Black
	ATM13-217-2005	Locking Sealing Plug, Size 20, Grey
	ATM13-217-2005-SR	Locking Sealing Plug, Size 20, SR01 Series, Blue

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-20-0144	Male Contact - Pin, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0144	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0244	Male Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0244	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0222	Male Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0222	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0277	Male Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT62-20-0277	Female Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT60-20-0422	Male Contact - Socket, Nickel-plated	20	20-22	Stamped & Formed
AT62-20-0444	Female Contact - Socket, Gold-plated	20	20-22	Stamped & Formed

Tooling - Stamped & Formed Contacts		
Part	Part Number	Description
	MF3-3974	Crimp Die - Size 20 (S&F contacts only)
	MF3-3976	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -04XX Series
	MF3-3978	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -02XX Series
	ATT-20-00	Hand Crimp Tool - Size 20, 20AWG (S&F contacts only)