

NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER

3. MODIFICATIONS: STRAIN RELIEF END CAP

4. SPECIFICATIONS:

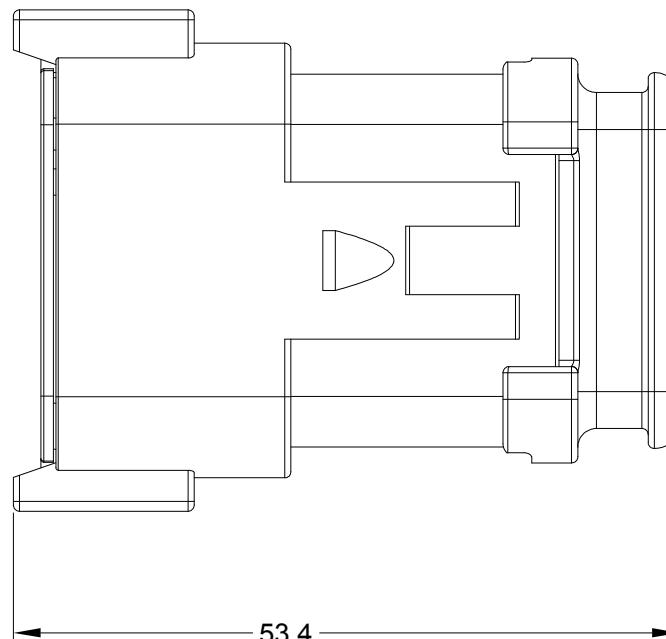
- 4.1 CURRENT RATING: 7.5 AMPS
- 4.2 OPERATING TEMPERATURE: -55°C TO +125°C.
- 4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
- 4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
- 4.5 MOISTURE RESISTANCE: IP67 ( MATED CONDITION )
- 4.6 MATING CYCLE DURABILITY: 100 CYCLES
- 4.7 RoHS COMPLIANT

5. MATING PART: ATM06-12SX\* PLUG.  
( X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS )

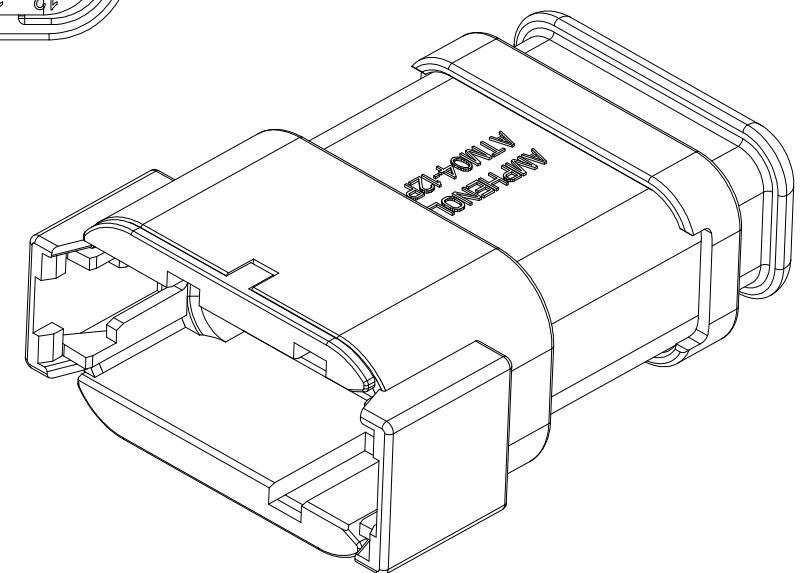
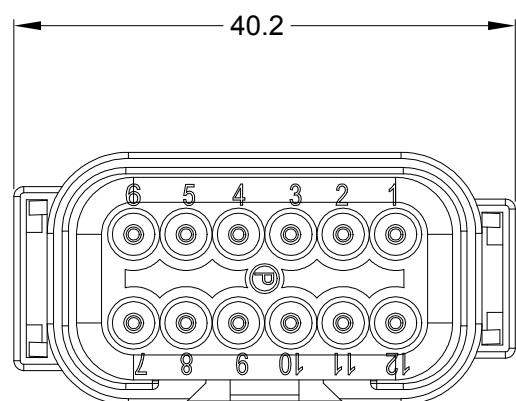
6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

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



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	PRELIMINARY DESIGN	03/NOV/14	ORION	TOMMY
A2	--	REVISE DIMENSION	21/JUL/20	LOUIE	TOMMY



	SEE SHEET 2	DESCRIPTION		ITEM
QUANTITY	PART NUMBER	MATERIALS LIST		
1		CONTACTS	AMPHENOL	
		SIGNALS	LOUIE	DATE
		DRAWN:	21/JUL/20	
		CHECKED:	ORION	22/JUL/20
		ENGINEER:		
		APPROVAL:	TOMMY	23/JUL/20
		CUSTOMER:		
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		PROCESS SPECIFICATIONS:		
		NEXT ASSY:		
		SCALE:	NONE	
		SHEET	1	OF 2

**Amphenol**

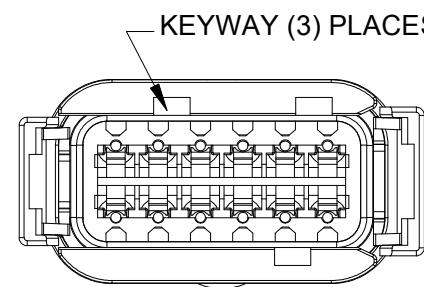
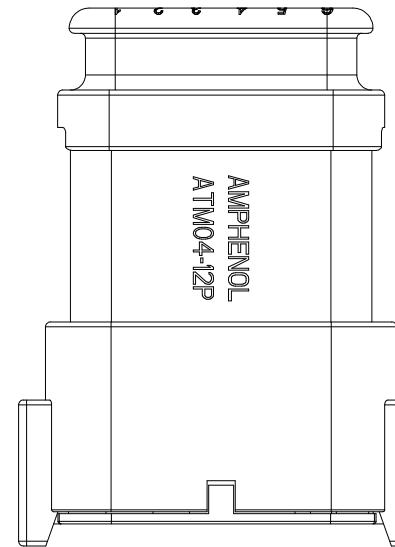
Sine Systems - www.amphenol-sine.com  
44724 Morley Drive  
Clinton Township, MI 48036

RECEPTACLE, KEYED, 12 PIN, STRAIN RELIEF  
ATM SERIES

SIZE: B TYPE: C- DWG NO: ATM04-12PX-SR1XX REVISION: A2  
SCALE: NONE

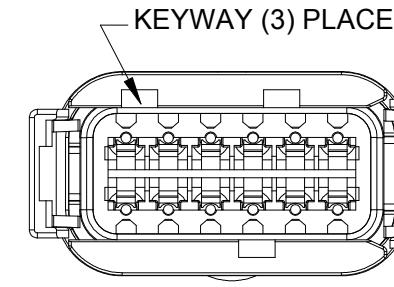
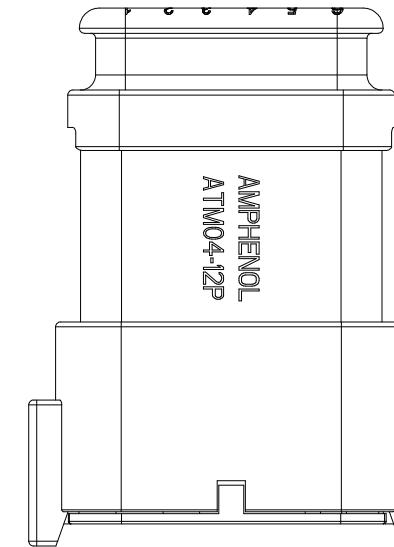
REVISIONS					
REV	ECO	DESCRIPTION		DATE	BY

P/N ATM04-12PA-SR1GY  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



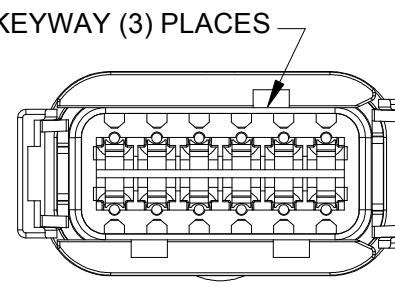
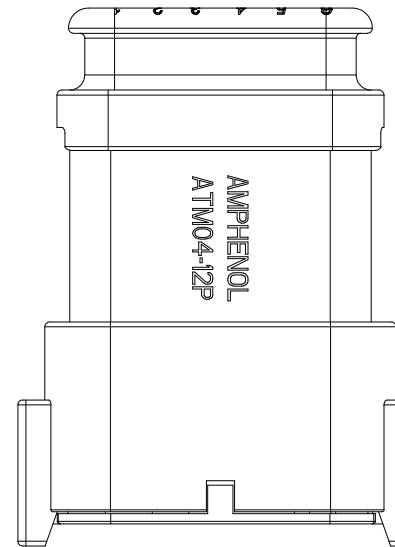
KEY-A CONFIGURATION	
COLOR	PART NUMBER
* GREY	ATM04-12PA-SR1GY
BLACK	ATM04-12PA-SR1BK
GREEN	ATM04-12PA-SR1GN
BROWN	ATM04-12PA-SR1BN

P/N ATM04-12PB-SR1BK  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



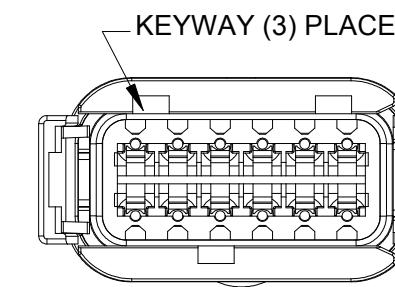
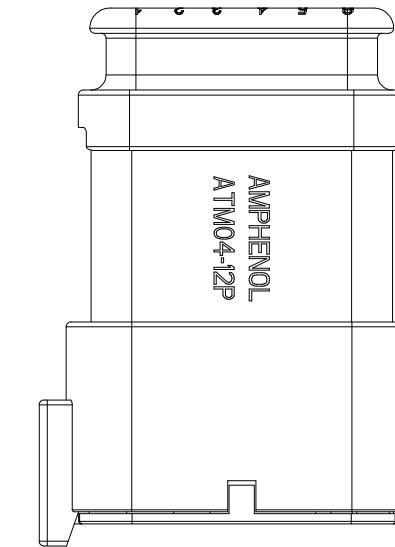
KEY-B CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM04-12PB-SR1GY
* BLACK	ATM04-12PB-SR1BK
GREEN	ATM04-12PB-SR1GN
BROWN	ATM04-12PB-SR1BN

P/N ATM04-12PC-SR1GN  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN



KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM04-12PC-SR1GY
BLACK	ATM04-12PC-SR1BK
* GREEN	ATM04-12PC-SR1GN
BROWN	ATM04-12PC-SR1BN

P/N ATM04-12PD-SR1BN  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



KEY-D CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM04-12PD-SR1GY
BLACK	ATM04-12PD-SR1BK
GREEN	ATM04-12PD-SR1GN
* BROWN	ATM04-12PD-SR1BN

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.

TITLE: RECEPTACLE, KEYED, 12 PIN, STRAIN RELIEF, ATM SERIES

DWG NO:

REV:

SH:

OF:

ITEM

REVISION

QUANTITY	PART NUMBER	DESCRIPTION	
MATERIALS LIST			
1	UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
1	All dimensions are in metric(mm).	DRAWN: LOUIE	21/LOUIE/20
2	Tolerances are as follows:	CHECKED: ORION	22/LOUIE/20
1 PL DEC ±0.30	Fractions ±1/64	ENGINEER:	
2 PL DEC ±0.15	Angles ±1°	APPROVAL: TOMMY	23/JUL/20
3 PL DEC ±0.08		CUSTOMER:	
		MATERIAL SPECIFICATIONS:	
		PROCESS SPECIFICATIONS:	
		NEXT ASSY:	
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		SIZE	TYPE
		B	C-
		DWG NO:	ATM04-12PX-SR1XX
		REVISION	A2

Amphenol  
Sine Systems - www.amphenol-sine.com  
44724 Morley Drive  
Clinton Township, MI 48036

RECEPTACLE, KEYED, 12 PIN,  
STRAIN RELIEF, ATM SERIES

SHEET 2 OF 2

## A Series™ - Contact Size 20 Options (Works with: ATM, DuraMate and PanelMate Series)

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 Number	Description
AUTK-20	Hand Crimp Tool, Size 20
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

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	
MFX-3974	Crimp Die - Size 20
MFX-3976	Crimp Die - Size 20 (20-22AWG -04XX Series)
MFX-3978	Crimp Die - Size 20 (20-22AWG -02XX Series)
ATT-20-00	Hand Crimp Tool - Size 20 (20AWG)

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
ATRT-100	Contact and Wedgelock Extraction Tool
AT11-240-2005	Contact Removal Tool, Plastic, Size 20

Sealing Plugs (For both Machined or Stamped & Formed Contacts)	
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