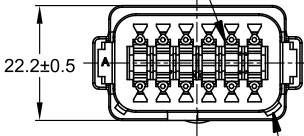
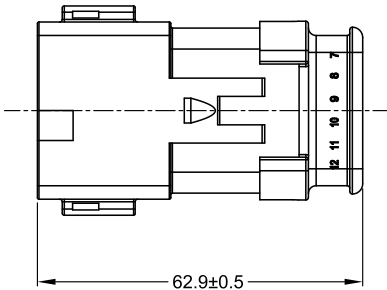
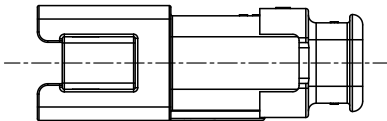
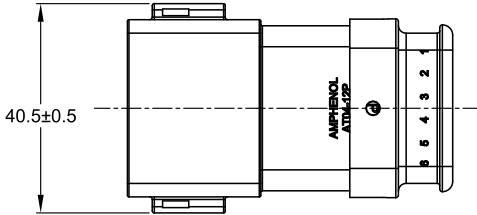


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DRAWING FORMAT	11DEC13	DRP	-
A4	C1435S	UPDATE THE APPEARANCE	23JUN21	RONALD	TOMMY

REQUIRES CONTACT
RETENTION WEDGE AW12P



1
KEYWAY (3) PLACES



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;
REDUCED DIA. 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

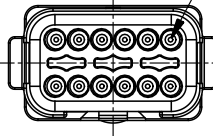
5. MATING PART: AT06-12SX* PLUG
(X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

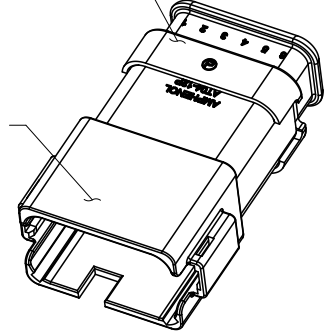
7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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

7
REDUCED DIAMETER
WIRE SEAL



STRAIN RELIEF
END CAP -
BLACK - ALL
CONNECTORS



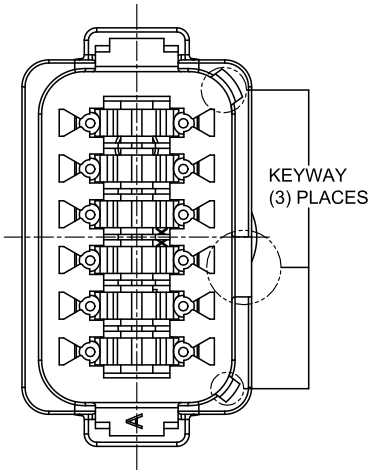
1 REFER TO SHEET 2 FOR AVAILABLE
CONNECTOR HOUSING COLORS

	SEE SHEET 2					
	PART NUMBER		DESCRIPTION			ITEM
QUANTITY		MATERIALS LIST				
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE		
1) All dimensions are in metric(mm).		DRAWN:		RONGLA		
2) Tolerances are as follows:				23JUN21		
1 PL DEC ±0.30		CHECKED:		ORION		
2 PL DEC ±0.15				24JUN21		
3 PL DEC ±0.08		ENGINEER:				
3) Note reference =		APPROVAL:		TOMMY		
X				25JUN21		
MATERIAL SPECIFICATIONS:		CUSTOMER:				
WEIGHT:27.0g						
PROCESS 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.				
NEXT ASSY:						
		Amphenol				
		Sine Systems - www.amphenol-sine.com				
		44724 Morley Drive				
		Clinton Township, MI 48036				
		RECEP., 12 PIN, AT SERIES, KEYED, STRAIN RELIEF END CAP, REDUCED DIA SEAL				
SIZE	TYPE	DWG NO:		REVISION		
B	C-	AT04-12PX-SR2XX		A4		
SCALE: NONE				SHEET 1 OF 2		

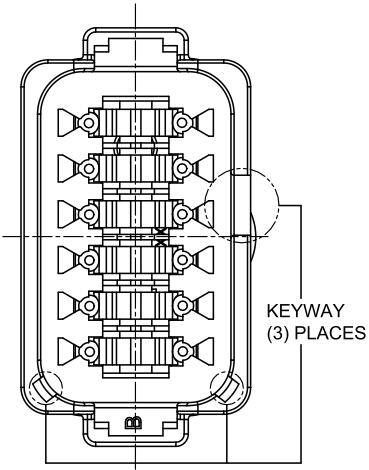
TITLE: RECEPTACLE 12 PIN AT SERIES STRAIN RELIEF REDUCED DIA SEAL
DWG NO.: AT04-12PX-SR2XX
REV: A4
SH: 1
OF: 2

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DRAWING FORMAT	11DEC13	DRP	-
A4	C1435S	UPDATE THE APPEARANCE	23JUN21	RONALD	TOMMY

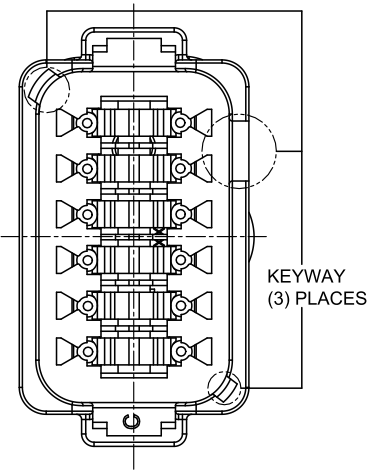
P/N AT04-12PA-SR2GY
KEY-A CONFIGURATION
STANDARD COLOR: GREY



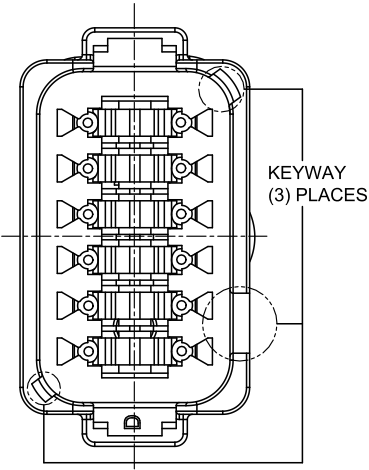
P/N AT04-12PB-SR2BK
KEY-B CONFIGURATION
STANDARD COLOR: BLACK



P/N AT04-12PC-SR2GN
KEY-C CONFIGURATION
STANDARD COLOR: GREEN



P/N AT04-12PD-SR2BR
KEY-D CONFIGURATION
STANDARD COLOR: BROWN



KEY-A CONFIGURATION

COLOR	PART NUMBER
* GREY	AT04-12PA-SR2GY
BLACK	AT04-12PA-SR2BK
GREEN	AT04-12PA-SR2GN
BROWN	AT04-12PA-SR2BR

KEY-B CONFIGURATION

COLOR	PART NUMBER
GREY	AT04-12PB-SR2GY
* BLACK	AT04-12PB-SR2BK
GREEN	AT04-12PB-SR2GN
BROWN	AT04-12PB-SR2BR

KEY-C CONFIGURATION

COLOR	PART NUMBER
GREY	AT04-12PC-SR2GY
BLACK	AT04-12PC-SR2BK
* GREEN	AT04-12PC-SR2GN
BROWN	AT04-12PC-SR2BR


KEY-D CONFIGURATION

COLOR	PART NUMBER
GREY	AT04-12PD-SR2GY
BLACK	AT04-12PD-SR2BK
GREEN	AT04-12PD-SR2GN
* BROWN	AT04-12PD-SR2BR

NOTE:

AN ASTERISKS (*) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE. STRAIN RELIEF END CAPS ARE AVAILABLE IN BLACK ONLY.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

SEE SHEET 2		DESCRIPTION		ITEM	
PART NUMBER					
QUANTITY	MATERIALS LIST				
UNLESS OTHERWISE SPECIFIED 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 3) Note reference = 		SIGNATURES	DATE	<h1>Amphenol</h1> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>	
		DRAWN: RONGLA	23JUN21		
		CHECKED: ORION	24JUN21		
		ENGINEER:			
		APPROVAL: TOMMY	25JUN21		
MATERIAL SPECIFICATIONS:		CUSTOMER:		RECEP., 12 PIN, AT SERIES, KEYED, STRAIN RELIEF END CAP, REDUCED DIA SEAL	
WEIGHT:27.0g					
PROCESS 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.			
NEXT ASSY:	SIZE		TYPE	DWG NO.	REVISION
	B		C-	AT04-12PX-SR2XX	A4
	SCALE:		NONE		SHEET 1 OF 2

TITLE: RECEPTACLE, 12 PIN, AT SERIES, KEYED, STRAIN RELIEF REDUCED DIA SEAL
DWG NO.: AT04-12PX-SR2XX
REV: A4
SH: 1
OF: 2

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	Type
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-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

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				
Part Number	Description	Size	AWG	Type
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-16	Stamped & Formed
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-16	Stamped & Formed
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-16	Stamped & Formed
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-16	Stamped & Formed
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed
AT60-16-0644	Male Contact - Pin, Gold-plated	16	18-20	Stamped & Formed
AT62-16-0644	Female Contact - Socket, Gold-plated	16	18-20	Stamped & Formed
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	18-20	Stamped & Formed
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	18-20	Stamped & Formed
AT60-16-0844	Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed
AT62-16-0844	Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed
AT60-16-0822	Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed
AT62-16-0822	Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed

Tooling - Stamped & Formed Contacts	
MF3-3950	Crimp Die - Size 16, 18-20AWG
MF3-3953	Crimp Die - Size 16, 16-18AWG
MF3-3975	Crimp Die - Size 16, 14-16AWG
MF3-3990	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