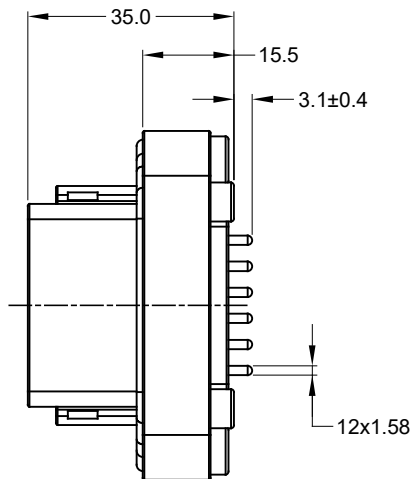
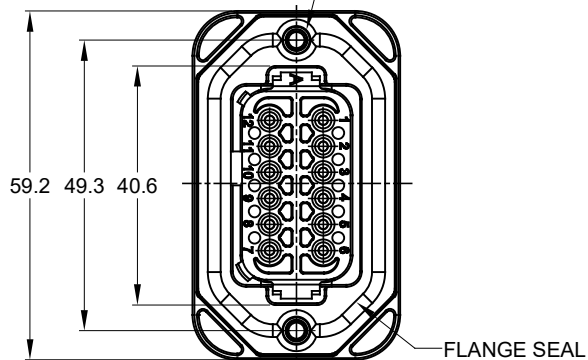
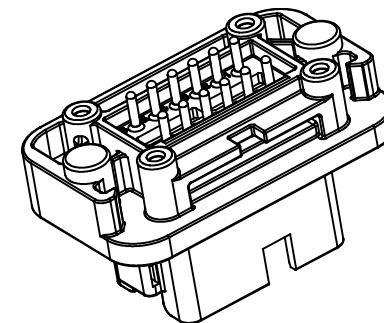
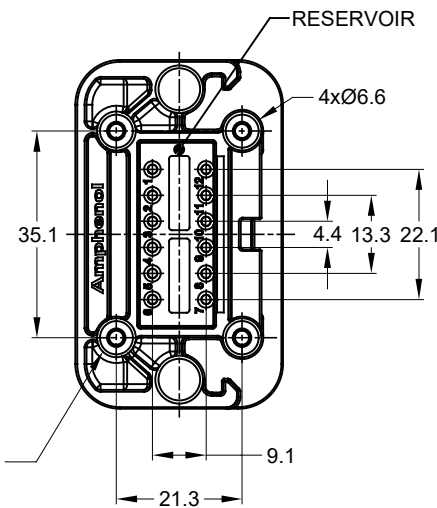


2xØ3.10±0.12x11.18 DP
RECOMMENDED SCREW: 6-19 [M3.63 x 1.34]
THREAD-FORMING SCREW,
TORQUE: 11-15 IN-LB [1.24-1.70 NM]



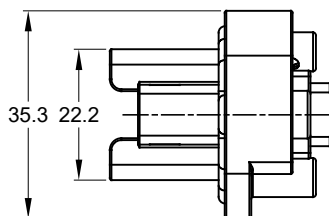
4x Ø2.79±0.12 x8.0 DP
RECOMMENDED SCREW: 4-20 [M3.12 x 1.27]
THREAD-FORMING SCREW,
TORQUE: 6-10 IN-LB [0.68-1.13 NM]

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	14/DEC/18	BROOK	TOMMY
A2	C110SS	UPDATE DRAWING	19/AUG/19	BROOK	TOMMY
A3	-	REVISED DRAWING	10/JUL/20	JHEAD	DH



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER
CONTACT: COPPER ALLOY
- MODIFICATIONS: FLANGE, PCB MOUNT STRAIGHT
- SPECIFICATIONS:
3.1 CURRENT RATING: 13 AMPS
3.2 OPERATING TEMPERATURE: -55°C TO +125°C
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
3.6 MATING CYCLE DURABILITY: 100 CYCLES
3.7 RoHS COMPLIANT
- MATING PART: AT06-12S* PLUG (* = MODIFICATIONS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- POTTED CONNECTORS SPECIFIED FOR UP TO 5 P.S.I. APPLICATIONS.



AT15-12PX-BM1X		REF : DT15-12PA-B016, DT15-12PB-B016 , DT15-12PC-B016 , DT15-12PD-B016		
PART NUMBER		DESCRIPTION		
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 DRAWN: BROOK DING 19/AUG/19 CHECKED: ORION LI 19/AUG/19 ENGINEER: APPROVAL: TOMMY XIE 19/AUG/19		
MATERIAL SPECIFICATIONS:		CUSTOMER:		
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:		SINE SYSTEMS - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
		BOARDLOCK PCB MOUNT RECEPTACLE 12PIN ENHANCED KEY, STRAIGHT AT SERIES		
		SIZE TYPE DWG NO. AT15-12PX-BM1X REVISION A2		
		SCALE NONE SHEET 1 OF 3		

Diagram illustrating the rear view of the engine block, showing the keyway locations. The keyway is indicated by a line pointing to the text: KEYWAY (3) PLACES.

AT15-12PA-BM1X VARIANTS		
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER
TIN	NO POTTING	AT15-12PA-BM16
TIN	POTTING	AT15-12PA-BM17
GOLD	NO POTTING	AT15-12PA-BM18
GOLD	POTTING	AT15-12PA-BM19

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASE NEW DRAWING	14/DEC/18	BROOK	TOMMY
A2	C1105S	UPDATE DRAWING	19/AUG/19	BROOK	TOMMY
A3	--	REVISED DRAWING	10/JUL/20	JHEAD	DH

KEYWAY
(3) PLACES

AT15-12PB-BM1X VARIANTS		
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER
TIN	NO POTTING	AT15-12PB-BM16
TIN	POTTING	AT15-12PB-BM17
GOLD	NO POTTING	AT15-12PB-BM18
GOLD	POTTING	AT15-12PB-BM19

AT15-12PX-BM1X		REF: DT15-12PA-B016, DT15-12PB-B016, DT15-12PC-B016, DT15-12PD-B016	
PART NUMBER		DESCRIPTION	
QUANTITY		ITEM	
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 Angles ±1°		SIGNATURES DATE DRAWN: BROOK DING 19/AUG/19 CHECKED: ORION LI 19/AUG/19 ENGINEER: APPROVAL: TOMMY XIE 19/AUG/19	
3) Note reference = 		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
MATERIAL SPECIFICATIONS:		BOARDLOCK PCB MOUNT RECEPTACLE 12PIN	
CUSTOMER:		ENHANCED KEY, STRAIGHT AT SERIES	
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.		SIZE TYPE DWG NO. REVISION B C- AT15-12PX-BM1X A2	
NEXT ASSY:		SCALE NONE SHEET 2 OF 3	

TITLE: BOARDLOCK PCB MOUNT RECEPT 12PIN ENHANCE KEY STRAIGHT AT SERIES

DWG NO: AT15-12PX-BM1X

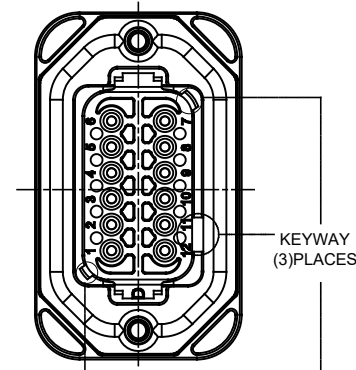
REV: A2

SH: 2

OF: 3

The technical drawings show the recommended panel cutout and PCB layout for the 12x0.8mm connector. The left drawing, labeled "RECOMMENDED PANEL CUTOUT", shows a rectangular panel with a central cutout. Dimensions include a total width of 59.20 MIN., a cutout width of 49.30, and a cutout height of 23.27. The cutout has rounded corners with a radius of 4xR1.02. The panel has a thickness of 11.18. The right drawing, labeled "RECOMMENDED PCB LAYOUT", shows the PCB footprint. It has a total width of 35.07±0.10 and a total height of 21.34±0.10. The layout includes 12 pins with a diameter of 0.8mm, spaced at 2.54mm. The pins are arranged in two rows of six. The PCB has a thickness of 0.8mm. The layout also shows dimensions for the panel cutout, including a width of 59.20 MIN. and a height of 35.25 MIN. The panel cutout has rounded corners with a radius of 4xR1.02. The panel has a thickness of 11.18. The layout also shows dimensions for the panel cutout, including a width of 59.20 MIN. and a height of 35.25 MIN. The panel cutout has rounded corners with a radius of 4xR1.02. The panel has a thickness of 11.18.

P/N AT15-12PD-BM1X
KEY-D CONFIGURATION
STANDARD COLOR: BROWN



		AT15-12PX-BM1X		REF : DT15-12PA-B016, DT15-12PB-B016, DT15-12PC-B016, DT15-12PD-B016	
		PART NUMBER		DESCRIPTION	
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 Fractions $\pm 1/64$ Angles $\pm 1^\circ$ 3) Note reference = 		SIGNATURES		DATE	
		DRAWN: BROOK DING		19/AUG/19	
		CHECKED: ORION LI		19/AUG/19	
		ENGINEER:			
		APPROVAL: TOMMY XIE		19/AUG/19	
MATERIAL SPECIFICATIONS:		CUSTOMER:			
		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		TYPE	
		B		C	
NEXT ASSY:		DWG NO:		REVISED	
		AT15-12PX-BM1X		A2	
		SCALE: NONE		SHEET 3 OF 3	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[AT15-12PB-BM17](#)