

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	13JUN22	IAN	TOMMY
A2	-	NOTE 4.5: IP68 WAS IP67	02JUL24	JHEAD	BL

NOTES: UNLESS OTHERWISE SPECIFIED

▲ SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:

HOUSING: THERMOPLASTIC; COLOR: SEE SHEET 2  
 CONTACT: COPPER ALLOY  
 PLATING: NICKEL UNDERPLATE  
 SEE CHART FOR OVERALL FINISH

3. MODIFICATIONS: PCB MOUNT, SNAP FIT

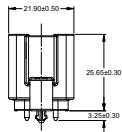
4. SPECIFICATIONS:

- 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:  
 IP68 (IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)
- 4.6 MATING CYCLE DURABILITY: 100 CYCLES
- 4.7 RoHS COMPLIANT

5. MATING PART: AT16-18SX\* PLUG  
 (X = A,B,C,D,E KEYS; \* = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

7. POTTED CONNECTORS SPECIFIED FOR UP TO 5 P.S.I. APPLICATIONS.



TITLE: RECEPTACLE, 18 POSITION BOARDLOCK AT, SNAP FIT  
 DWG NO: AT04-18Px-BM0Xxx  
 REV: A2  
 SHEET: 1 OF 2

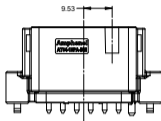
QUANTITY	SEE PART NUMBER CHART	DESCRIPTION		ITEM								
		<b>MATERIALS LIST</b>										
UNLESS OTHERWISE SPECIFIED:		REVISIONS	DATE									
1) All dimensions are in millimeters (inches)		REV	13JUN22									
2) Tolerances are as follows:		DESIGN	SILLEN	13JUN22								
1. PL DEC ±0.30		ISSUED										
2. PL DEC ±0.50		APPROVAL	TOMMY	15JUN22								
3. PL DEC ±0.08		CUSTOMER										
3) Note reference to ▲		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA INDICATED HEREIN ARE THE PROPERTY OF AMPHENOL CORPORATION. NO RIGHTS OR REPRODUCTION ARE GRANTED. DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.										
MATERIAL SPECIFICATIONS:		<table border="1"> <tr> <td>SHEET:</td> <td>TYPE:</td> <td>ORIGIN:</td> <td>REVISION:</td> </tr> <tr> <td>WEIGHT: 15.5g</td> <td>B C-</td> <td>AT04-18Px-BM0Xxx</td> <td>A2</td> </tr> </table>			SHEET:	TYPE:	ORIGIN:	REVISION:	WEIGHT: 15.5g	B C-	AT04-18Px-BM0Xxx	A2
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PROCESS SPECIFICATIONS:		<table border="1"> <tr> <td>SCALE:</td> <td>NONE</td> <td colspan="2">SHEET 1 OF 1</td> </tr> </table>			SCALE:	NONE	SHEET 1 OF 1					
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NEXT REV:												

**Amphenol**

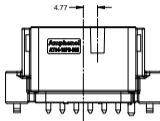
Sine Systems - www.amphenol-sine.com  
 44724 Morley Drive  
 Clinton Township, MI 48036

RECEPTACLE, 18 POSITION BOARDLOCK AT,  
 SNAP FIT

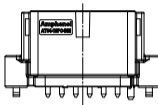
PIN AT04-18PA-BM0X  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



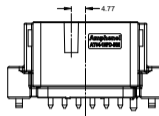
PIN AT04-18PB-BM0X  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



PIN AT04-18PC-BM0X  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN



PIN AT04-18PD-BM0X  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



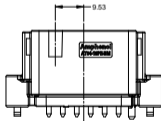
AT04-18PA-BM0X VARIANTS		
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER
GOLD	NO POTTING	AT04-18PA-BM01xx
GOLD	POTTING	AT04-18PA-BM02xx
NICKEL	NO POTTING	AT04-18PA-BM03xx
NICKEL	POTTING	AT04-18PA-BM04xx

AT04-18PB-BM0X VARIANTS		
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER
GOLD	NO POTTING	AT04-18PB-BM01
GOLD	POTTING	AT04-18PB-BM02
NICKEL	NO POTTING	AT04-18PB-BM03
NICKEL	POTTING	AT04-18PB-BM04

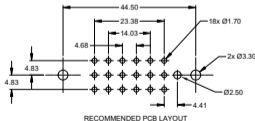
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GOLD	NO POTTING	AT04-18PC-BM01xx
GOLD	POTTING	AT04-18PC-BM02xx
NICKEL	NO POTTING	AT04-18PC-BM03xx
NICKEL	POTTING	AT04-18PC-BM04xx

AT04-18PD-BM0X VARIANTS		
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER
GOLD	NO POTTING	AT04-18PD-BM01xx
GOLD	POTTING	AT04-18PD-BM02xx
NICKEL	NO POTTING	AT04-18PD-BM03xx
NICKEL	POTTING	AT04-18PD-BM04xx

PIN AT04-18PE-BM0X  
KEY-E CONFIGURATION  
STANDARD COLOR: GREY



AT04-18PE-BM0X VARIANTS		
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER
GOLD	NO POTTING	AT04-18PE-BM01xx
GOLD	POTTING	AT04-18PE-BM02xx
NICKEL	NO POTTING	AT04-18PE-BM03xx
NICKEL	POTTING	AT04-18PE-BM04xx



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	13JUN22	JAN	TOMMY
A2	-	NOTE 4.5: IP68 WAS IP67	02JUL24	JHEAD	BL

COLOR CONFIGURATION	
'xx'	COLOR
BK	BLACK
BLANK	STANDARD COLOR

QUANTITY	SEE PART NUMBER CHART PART NUMBER	DESCRIPTION	ITEM												
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REV: 0001		Sheet 2 of 2													