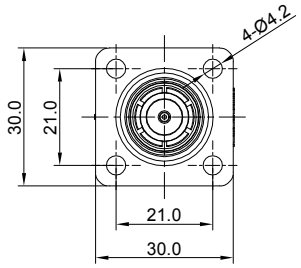
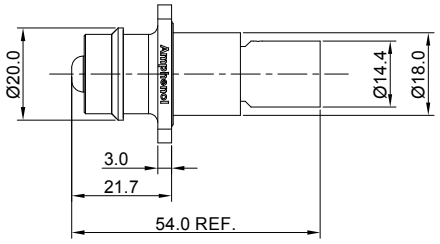
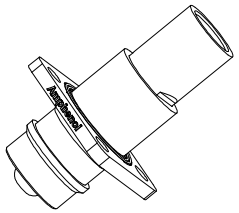
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Jul.31,18	White	Tommy
A2	-	UPDATED DRAWING	Sep.27,18	White	Tommy
A3	-	UPDATED DRAWING	Dec.11,18	White	Tommy







NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   1.1 HOUSING: THERMOPLASTIC UL94 V0
   1.2 SEAL: SILICONE RUBBER
   1.3 CONTACT: COPPER ALLOY,SILVER PLATED

2. SPECIFICATIONS:
   2.1 CURRENT RATING: 50 mm² @180 AMPS
   35 mm² @130 AMPS
   2.2 OPERATING VOLTAGE: 1000V AC/DC
   2.3 CONTACT RESISTANCE:0.3mΩ
   2.4 OPERATING TEMPERATURE: -55℃ TO +125℃
   2.5 DEGREE OF PROTECTION: IP67 (MATED CONDITION)
   2.6 MATING CYCLE DURABILITY: 50 CYCLES
   2.7 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

ITEM	P/N	WIRE RANGE	NOTE
1	ATHP041P08NN-50	50 mm²	BLACK(SHELL)
2	ATHP041P08NN-35	35 mm²	BLACK(SHELL)
3	ATHP041P08NN-50-ORG	50 mm²	ORANGE(SHELL)
4	ATHP041P08NN-35-ORG	35 mm²	ORANGE(SHELL)

PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST	

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	White	Dec.11,18
CHECKED:	Tod	Dec.11,18
ENGINEER:		
APPROVAL:	Tommy	Dec.11,18
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.

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

ATHP,8MM,
STRAIGHT RECEPTACLE

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATHP041P08NN-xx-x	A3

SCALE: NONE SHEET 1 OF 1

TITLE: ATHP,8MM,STRAIGHT RECEPTACLE
DWG NO: ATHP041P08NN-xx-x
REV: A3
SH: 1
OF: 1

MagnaMate™ ATHP QL - Contact Options

Power Contacts - Machined Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Type	Amps
SC000500-835	Male Contact - Pin, Copper Alloy, Nickel-Plated	8mm	35mm²	Machined	130A
SC000500-850	Male Contact - Pin, Copper Alloy, Nickel-Plated	8mm	50mm²	Machined	180A
SC000501-835	Female Contact - Socket, Copper Alloy, Nickel-Plated	8mm	35mm²	Machined	130A
SC000501-850	Female Contact - Socket, Copper Alloy, Nickel-Plated	8mm	50mm²	Machined	180A
SC000511	Male Contact - Flat Hole Tail, Copper Alloy, Nickel	8mm		Machined	180A

Tooling - Machined Contacts		
Part	**Part Number**	**Description**
	WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961
	WA23-8	Die Assembly, 50mm -for WA23 Heavy Duty Pneumatic Crimp Tool
	WA23-184DA	Die Assembly, 35mm -for WA23 Heavy Duty Pneumatic Crimp Tool
	WA23-10	Contact Locator, Size 50mm
	96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires

Amphenol Sine Systems
44724 Morley Drive
Clinton Township, MI 48036 USA
www.amphenol-sine.com
04/2022