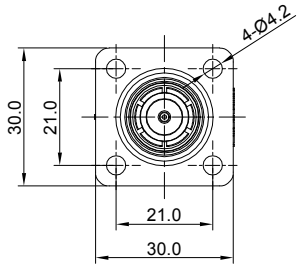
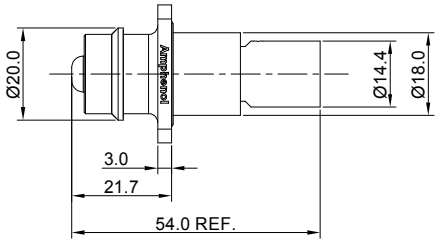
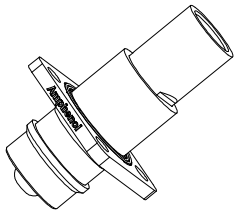
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Jul.31,18	White	Tommy
A2	-	UPDATED DRAWING	Sep.27,18	White	Tommy
A3	-	UPDATED DRAWING	Dec.11,18	White	Tommy







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:		

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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

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ATHP QL - Contact Options

Power Contacts

Machined Contacts, Pins and Sockets					
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
SC000511	Male Contact - Flat Hole Tail, Copper Alloy, Nickel	8mm		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

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
	WA23-14	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
04/2021

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