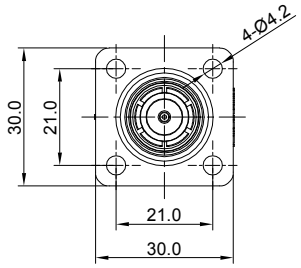
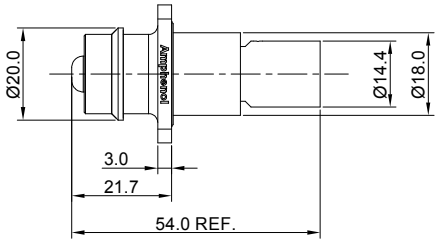
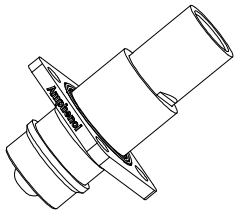
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Jul.31,18	White	Tommy
A2	-	UPDATED DRAWING	Sep.27,18	White	Tommy
A3	-	UPDATED DRAWING	Dec.11,18	White	Tommy







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:		

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

ATHP,8MM,
STRAIGHT RECEPTACLE

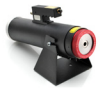
SIZE	TYPE	DWG NO:	REVISION
B	C-	ATHP041P08NN-xx-x	A3

SCALE: NONE SHEET 1 OF 1

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

MagnaMate™ ATHP Standard - Contact Options

Power Contacts - Machined Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Type	Amps
SC000383-8	Female Contact - Socket, Gold-plated	8mm	50mm2	Machined	180A
SC000384-8	Male Contact - Pin, Nickel-plated	8mm	50mm2	Machined	180A
SC000445-8	Female Contact - Socket, Nickel-plated	8mm	50mm2	Machined	180A
SC000384-8-M1	Male Contact - Pin, Gold-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 -for WA23 Heavy Duty Pneumatic Crimp Tool
	WA23-10	Contact Locator, Size 50mm
	96-978-22	Crimper and Dies -for Size 10mm²-185mm² Wires
	QXATHP-50	Contact Extraction Tool 50mm2

Control Contacts - Crimp Contacts, Stamped & Formed				
Part Number		**AWG**	**Wire Range (mm²)**	**Plating**
Male	**Female**			
	SS14M2F	14	2.0-2.5	Gold Flash
	SS14M2G5	14	2.0-2.5	Gold 5µ"
	SS14M2G10	14	2.0-2.5	Gold 10µ"
	SS14M2G15	14	2.0-2.5	Gold 15µ"
	SS14M2G30	14	2.0-2.5	Gold 30µ"
SP16M2F		18-16	0.75-1.50	Gold Flash
SP16M2G5		18-16	0.75-1.50	Gold 5µ"
SP16M2G10		18-16	0.75-1.50	Gold 10µ"
SP16M2G15		18-16	0.75-1.50	Gold 15µ"
SP16M2G30		18-16	0.75-1.50	Gold 30µ"

Tooling, Stamped & Formed	
Part Number	**Description**
QXRT16	Contact Extraction Tool, #16 (Ø 1.6) Contact
MFX-3954	Hand Tool, Stamped & Formed Contact, Size 16, 20-14AWG
MFX-3957	Crimp Die for Stamped & Formed Contact

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