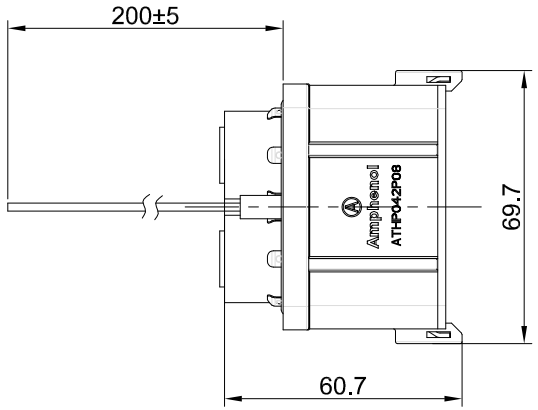
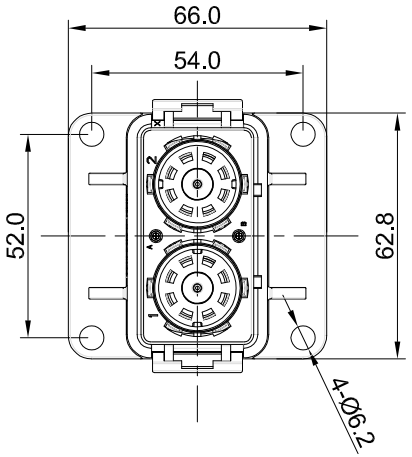
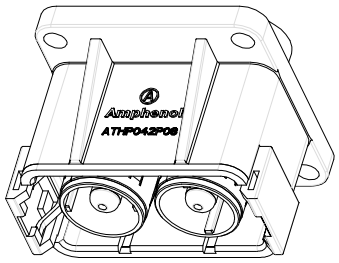
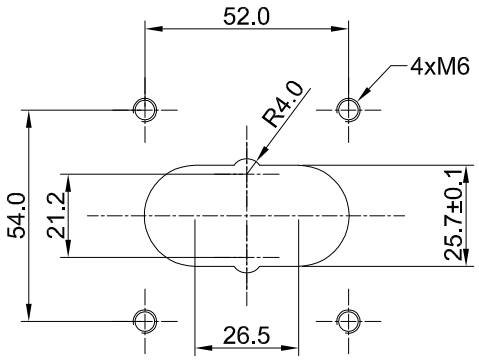
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	Aug.31,2016	Tod	Tommy
A2	-	UPDATE THE STRUCTURES	Oct.24,2016	Regan	Tommy
A3	-	UPDATE DRAWING	Dec.15,2016	Regan	Tommy









RECOMMEND PANEL CUT

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   1.1 HOUSING: THERMOPLASTIC UL 94V0
   1.2 SEAL: SILICONE RUBBER
   1.3 POWER CONTACT: COPPER ALLOY, SILVER PLATED
   1.4 SHIELDING: COPPER ALLOY, TIN PLATED

2. SPECIFICATIONS:
   2.1 CURRENT RATING: 50mm^2@180 AMPS
   2.2 VOLTAGE RATING: 1000 V AC/DC
   2.3 OPERATING TEMPERATURE: -40°C TO +130°C
   2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 3000 VOLTS AC.
   2.5 INSULATION RESISTANCE: 500 MEGOHMS MIN@25°C.
   2.6 DEGREE OF PROTECTION: IP67 (MATED CONDITION)
   2.7 MATING CYCLE DURABILITY: 100 CYCLES
   2.8 RoHS COMPLIANT

3. SIGNAL CONTACT: RT SERIES 16# PIN CONTACT
   POWER CONTACT: SC000384-8

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

Wiring Diagram

A)	UL 3266 18AWG RED
B)	UL 3266 18AWG BLACK

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 ASSY:

SIGNATURES		DATE
DRAWN:	Regan	Dec.15,2016
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

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Amphenol

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

ATHP, RECEPTACLE,2 PIN,8MM
FLANG MOUNTING WITH EMC SHIELDING

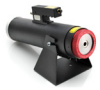
SIZE	TYPE	DWG NO:	REVISION
B	C-	ATHP042P08EL16-50	A3

SCALE: NONE SHEET 1 OF 1

TITLE: ATHP,RECEPTACLE,2 PIN,8MM, FLANG MOUNTING WITH EMC SHIELDING
DWG NO: ATHP042P08EL16-50
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
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www.amphenol-sine.com
04/2022