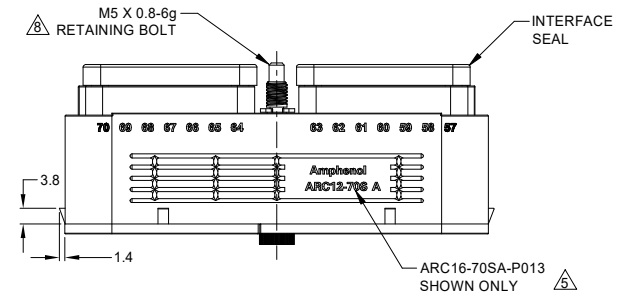
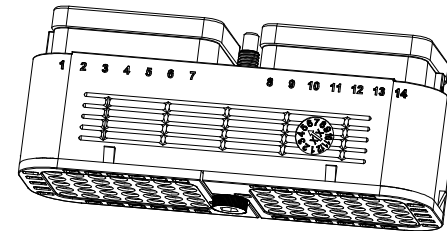
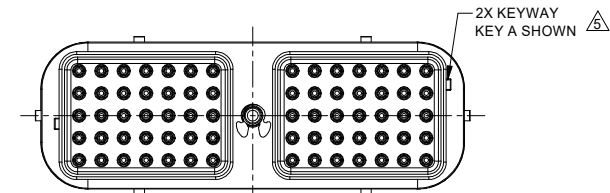
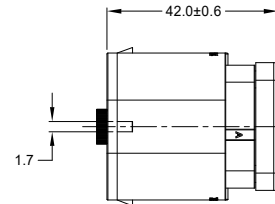
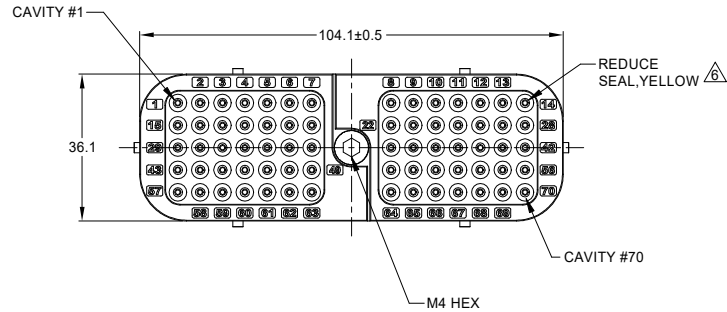


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	12/JUL/22	LOUIE	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC, BLACK SEAL:  
SILICONE RUBBER  
CLIP: STAINLESS STEEL  
BOLT: STAINLESS STEEL
- MODIFICATIONS: REDUCE DIA. WIRE SEAL;  
INTERFACE SEALS ARE BONDED TO  
PLUG HOUSING
- SPECIFICATIONS:  
3.1 CURRENT RATING: 13 AMPS  
3.2 OPERATING TEMPERATURE: -55°C TO +125°C  
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2  
MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC  
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C  
3.5 MOISTURE RESISTANCE:  
IP68 ( IM OF WATER FOR A PERIOD OF 24 HOURS, MATED  
CONDITION )  
IP69K( MATED CONDITION )  
3.6 MATING CYCLE DURABILITY: 100 CYCLES  
3.7 RoHS COMPLIANT
- MATING PART: ARC12-70PX\* RECEPTACLE  
(\* X = A,B,C,D KEYS ; \* = ALL MODIFICATIONS)

5. SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS

6. CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG (2.0 - 0.5 mm <sup>2</sup> )

7. PLUG IS SUPPLIED WITH DUST CAP

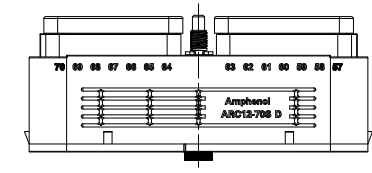
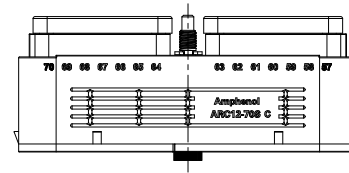
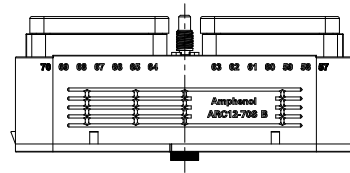
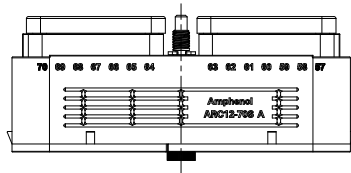
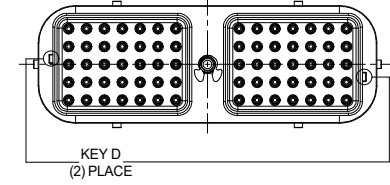
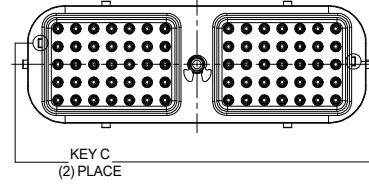
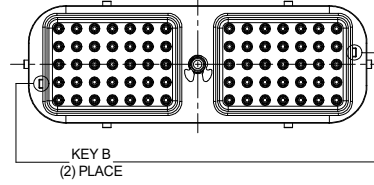
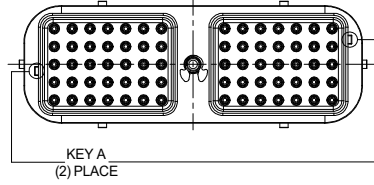
8. MATING TORQUE REQUIREMENT: 25 - 28 IN-LB [ 2.82 - 3.16 Nm ]

9. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

SEE SHEET 2		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE
1) All dimensions are in metric(mm).		DRAWN:	LOUIE YIN	12/JUL/22
2) Tolerances are as follows:		CHECKED:	ORION LI	13/JUL/22
1 PL DEC ±0.30		ENGINEER:		
2 PL DEC ±0.15		APPROVAL:	TOMMY XIE	14/JUL/22
3 PL DEC ±0.08		CUSTOMER:		
3) Note reference =		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.		
MATERIAL SPECIFICATIONS:		70 POS, PLUG, SOCKET, ARC SERIES, KEYED, RD SEAL, BLACK		REVISION
PROCESS SPECIFICATIONS:		Amphenol ARC12-70G A		B C- ARC16-70SXR-P013 A1
NEXT ASSY:		SCALE	NONE	SHEET 1 OF 2

TITLE: 70 POS. PLUG, SOCKET, ARC SERIES, KEYED, RD SEAL, BLACK  
DWG NO.: ARC16-70SXR-P013  
REV: A1  
SH: 1  
OF: 2

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	12/JUL/22	LOUIE	TOMMY



ARC16-24SX-P013 VARIANTS	
PART NUMBER	REF
ARC16-70SAR-P013	DRC16-70SAE-P013

ARC16-24SX-P013 VARIANTS	
PART NUMBER	REF
ARC16-70SBR-P013	DRC16-70SBE-P013

ARC16-24SX-P013 VARIANTS	
PART NUMBER	REF
ARC16-70SCR-P013	DRC16-70SCE-P013

ARC16-24SX-P013 VARIANTS	
PART NUMBER	REF
ARC16-70SDR-P013	DRC16-70SDE-P013

ARC16-70SXR-P013		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	MATERIALS LIST		
<b>UNLESS OTHERWISE SPECIFIED</b> 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 Fractions ±1/64 Angles ±1° 3) Note reference =				
MATERIAL SPECIFICATIONS:		<b>SIGNATURES</b> <b>DATE</b> DRAWN: LOUIE YIN      12/JUL/22 CHECKED: ORION LI      13/JUL/22 ENGINEER: APPROVAL: TOMMY XIE      14/JUL/22 CUSTOMER:		
PROCESS SPECIFICATIONS:		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.		
NEXT ASSY:		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.		
		<b>Amphenol</b> Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
		<b>70 POS, PLUG, SOCKET, ARC SERIES, KEYED, RD SEAL, BLACK</b>		
		<b>SIZE</b> B C-	<b>DWG NO:</b> ARC16-70SXR-P013	<b>REVISION</b> A1
		<b>SCALE</b> NONE	SHEET 2 OF 2	

TITLE: 70 POS, PLUG, SOCKET, ARC SERIES, KEYED, RD SEAL, BLACK  
 DWG NO.: ARC16-70SXR-P013  
 REV: A1  
 SH: 2  
 OF: 2