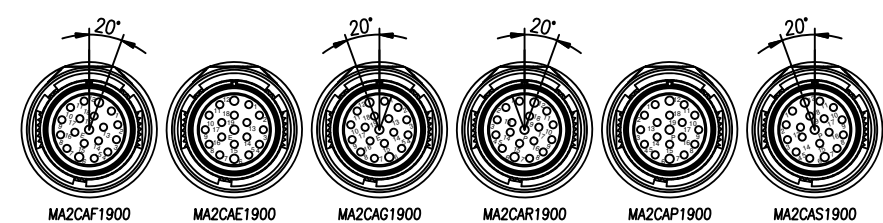
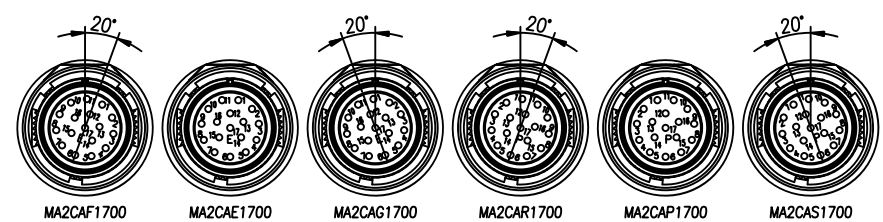
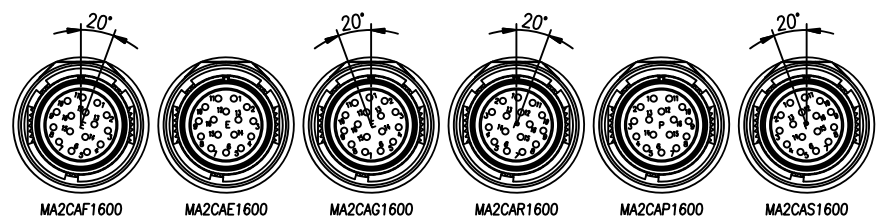
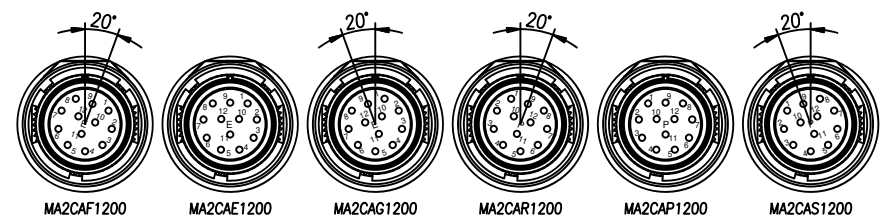
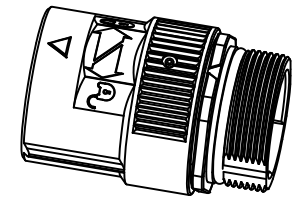
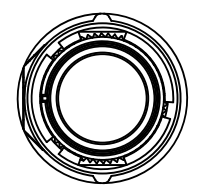
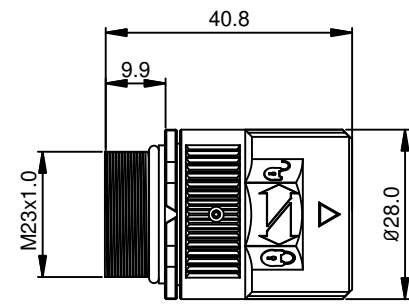


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASE NEW DWG FORMAT	03/14/14	Drack	Tommy
B2	-	UPDATE THE DURABILITY	May.21,2015	Drack	Tommy
B3	-	UPDATED	04DEC15	MRF	Tommy
B4	-	UPDATED NUT	20APR16	MRF	Tommy



REV	ECO	DESCRIPTION	DATE	BY	APPR
-		MA2CAS1900	M23, PLUG, ST, 19POS, P TYPE, KEYED "S"		27
-		MA2CAR1900	M23, PLUG, ST, 19POS, P TYPE, KEYED "R"		26
-		MA2CAP1900	M23, PLUG, ST, 19POS, P TYPE		25
-		MA2CAG1900	M23, PLUG, ST, 19POS, E TYPE, KEYED "G"		24
-		MA2CAF1900	M23, PLUG, ST, 19POS, E TYPE, KEYED "F"		23
-		MA2CAE1900	M23, PLUG, ST, 19POS, E TYPE		22
-		MA2CAS1700	M23, PLUG, ST, 17POS, P TYPE, KEYED "S"		20
-		MA2CAR1700	M23, PLUG, ST, 17POS, P TYPE, KEYED "R"		19
-		MA2CAP1700	M23, PLUG, ST, 17POS, P TYPE		18
-		MA2CAG1700	M23, PLUG, ST, 17POS, E TYPE, KEYED "G"		17
-		MA2CAF1700	M23, PLUG, ST, 17POS, E TYPE, KEYED "F"		16
-		MA2CAE1700	M23, PLUG, ST, 17POS, E TYPE		15
-		MA2CAS1600	M23, PLUG, ST, 16POS, P TYPE, KEYED "S"		13
-		MA2CAR1600	M23, PLUG, ST, 16POS, P TYPE, KEYED "R"		12
-		MA2CAP1600	M23, PLUG, ST, 16POS, P TYPE		11
-		MA2CAG1600	M23, PLUG, ST, 16POS, E TYPE, KEYED "G"		10
-		MA2CAF1600	M23, PLUG, ST, 16POS, E TYPE, KEYED "F"		9
-		MA2CAE1600	M23, PLUG, ST, 16POS, E TYPE		8
-		MA2CAS1200	M23, PLUG, ST, 12POS, P TYPE, KEYED "S"		6
-		MA2CAR1200	M23, PLUG, ST, 12POS, P TYPE, KEYED "R"		5
-		MA2CAP1200	M23, PLUG, ST, 12POS, P TYPE		4
-		MA2CAG1200	M23, PLUG, ST, 12POS, E TYPE, KEYED "G"		3
-		MA2CAF1200	M23, PLUG, ST, 12POS, E TYPE, KEYED "F"		2
-		MA2CAE1200	M23, PLUG, ST, 12POS, E TYPE		1

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
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MATERIALS LIST

UNLESS OTHERWISE SPECIFIED
 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 =

SIGNATURES	DATE
DRAWN: Drack	May.21,2015
CHECKED:	
ENGINEER:	
APPROVAL:	

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

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

M23, PLUG, STRAIGHT, CHECKMATE

SIZE	TYPE	DWG NO.	REVISION
B	C-	MA2CAxxx00	B4

SCALE: NONE C-MA2CAxxx00 SHEET 1 OF 1

- NOTES: UNLESS OTHERWISE SPECIFIED
- MATERIAL:
 INSULATION INSERT: PA66,UL94 V0
 SEAL: VITON
 HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
 COUPLING NUT: ZINC DIE CAST, NICKEL PLATED
 - SPECIFICATIONS:
 - CURRENT RATING: 10 AMPS - 12 POSITION
 9 AMPS - 16 POSITION
 9 AMPS - 17 POSITION
 7 AMPS - 19 POSITION
 - VOLTAGE RATING: 160V AC/DC - 12 POSITION
 125V AC/DC - 16 POSITION
 125V AC/DC - 17 POSITION
 63V AC/DC - 19 POSITION
 - OPERATING TEMPERATURE: -20°C TO +130°C
 - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.
 - DEGREE OF PROTECTION: IP67 (MATED CONDITION)
 - DEGREE OF POLLUTION: 3 PER UL840
 - OVERVOLTAGE CATEGORY: III PER UL840
 - MATING CYCLE DURABILITY: >500 CYCLES
 - RoHS COMPLIANT
 - ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

TITLE: M23, PLUG, STRAIGHT, CHECKMATE
 DWG NO.: MA2CAxxx00
 REV: B4
 SH: 1
 OF: 1