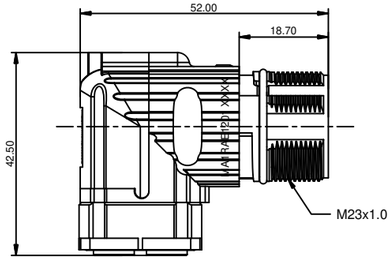
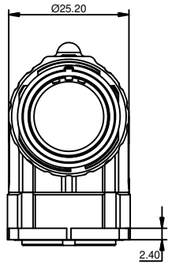
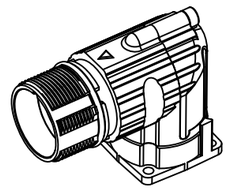
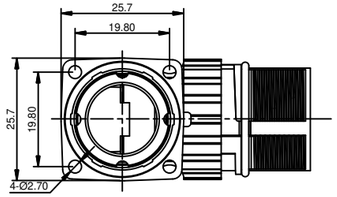
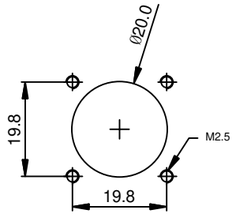
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASE NEW DWG FORMAT	Jul.15,2014	Tod	Tommy
B2	-	UPDATE THE DURABILITY	Jun.27,2015	Drack	Tommy
B3	-	UPDATED	04DEC15	MRF	Tommy



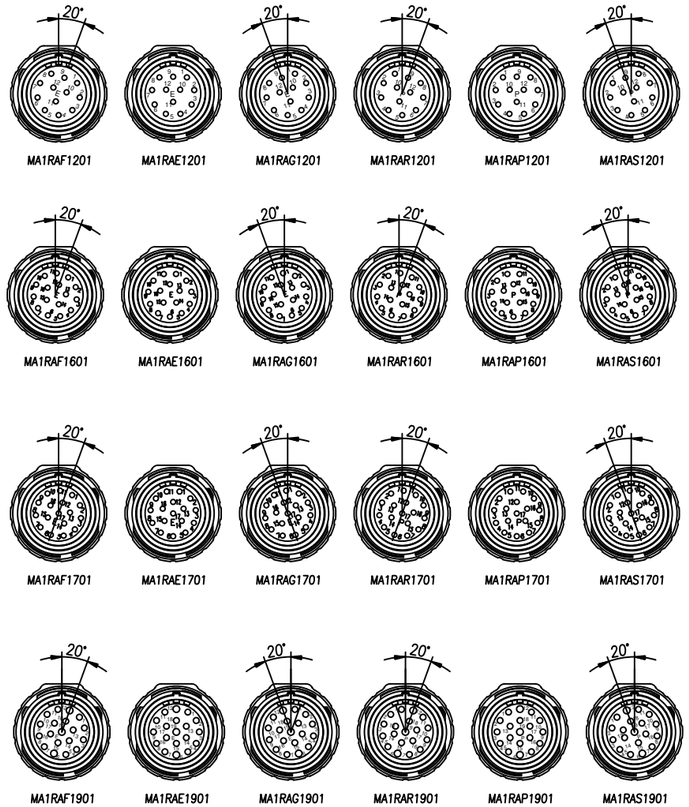








MOUNTING HOLE



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   INSULATION INSERT: PA66,UL94 V0
   SEAL: VITON
   HOUSING BODY: ZINC DIE CAST, NICKEL PLATED

2. SPECIFICATIONS:
   2.1 CURRENT RATING: 10 AMPS - 12 POSITION
   9 AMPS - 16 POSITION
   9 AMPS - 17 POSITION
   7 AMPS - 19 POSITION
   2.2 VOLTAGE RATING: 160V AC/DC - 12 POSITION
   125V AC/DC - 16 POSITION
   125V AC/DC - 17 POSITION
   63V AC/DC - 19 POSITION
   2.3 OPERATING TEMPERATURE: -20°C TO +130°C
   2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.
   2.5 DEGREE OF PROTECTION: IP67 (MATED CONDITION)
   2.6 DEGREE OF POLLUTION: 3 PER UL840
   2.7 OVERVOLTAGE CATEGORY: III PER UL840
   2.8 MATING CYCLE DURABILITY: >500 CYCLES
   2.9 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
-	MA1RAS1901	M23, RECP, R/A, ROT, 19POS, P TYPE, KEYED "S"	27
-	MA1RAR1901	M23, RECP, R/A, ROT, 19POS, P TYPE, KEYED "R"	26
-	MA1RAP1901	M23, RECP, R/A, ROT, 19POS, P TYPE	25
-	MA1RAG1901	M23, RECP, R/A, ROT, 19POS, E TYPE, KEYED "G"	24
-	MA1RAF1901	M23, RECP, R/A, ROT, 19POS, E TYPE, KEYED "F"	23
-	MA1RAE1901	M23, RECP, R/A, ROT, 19POS, E TYPE	22
			21
-	MA1RAS1701	M23, RECP, R/A, ROT, 17POS, P TYPE, KEYED "S"	20
-	MA1RAR1701	M23, RECP, R/A, ROT, 17POS, P TYPE, KEYED "R"	19
-	MA1RAP1701	M23, RECP, R/A, ROT, 17POS, P TYPE	18
-	MA1RAG1701	M23, RECP, R/A, ROT, 17POS, E TYPE, KEYED "G"	17
-	MA1RAF1701	M23, RECP, R/A, ROT, 17POS, E TYPE, KEYED "F"	16
-	MA1RAE1701	M23, RECP, R/A, ROT, 17POS, E TYPE	15
			14
-	MA1RAS1601	M23, RECP, R/A, ROT, 16POS, P TYPE, KEYED "S"	13
-	MA1RAR1601	M23, RECP, R/A, ROT, 16POS, P TYPE, KEYED "R"	12
-	MA1RAP1601	M23, RECP, R/A, ROT, 16POS, P TYPE	11
-	MA1RAG1601	M23, RECP, R/A, ROT, 16POS, E TYPE, KEYED "G"	10
-	MA1RAF1601	M23, RECP, R/A, ROT, 16POS, E TYPE, KEYED "F"	9
-	MA1RAE1601	M23, RECP, R/A, ROT, 16POS, E TYPE	8
			7
-	MA1RAS1201	M23, RECP, R/A, ROT, 12POS, P TYPE, KEYED "S"	6
-	MA1RAR1201	M23, RECP, R/A, ROT, 12POS, P TYPE, KEYED "R"	5
-	MA1RAP1201	M23, RECP, R/A, ROT, 12POS, P TYPE	4
-	MA1RAG1201	M23, RECP, R/A, ROT, 12POS, E TYPE, KEYED "G"	3
-	MA1RAF1201	M23, RECP, R/A, ROT, 12POS, E TYPE, KEYED "F"	2
-	MA1RAE1201	M23, RECP, R/A, ROT, 12POS, E TYPE	1

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:	Drack	Jun.27,2015
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

Amphenol

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

M23, RECP, ANGLED, ROTATABLE, THREADED

SIZE	TYPE	DWG NO:	REVISION
B	C-	MA1RAxxx01	B3
SCALE: NONE		C-MA1RAxxx01	SHEET 1 OF 1

TITLE: M23, RECEPTACLE, ANGLED, ROTATABLE, THREADED
DWG NO: MA1RAxxx01
REV: B3
SH: 1
OF: 1