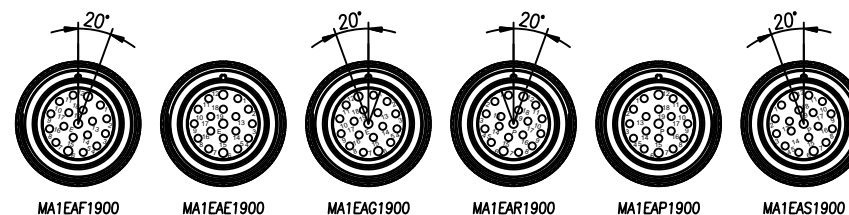
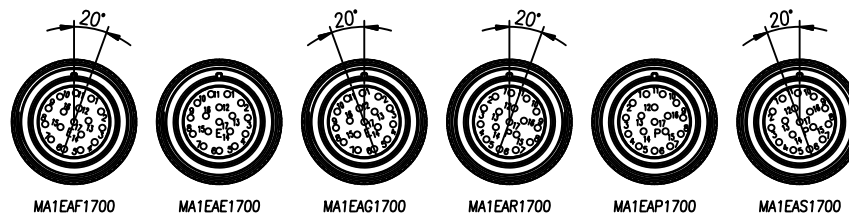
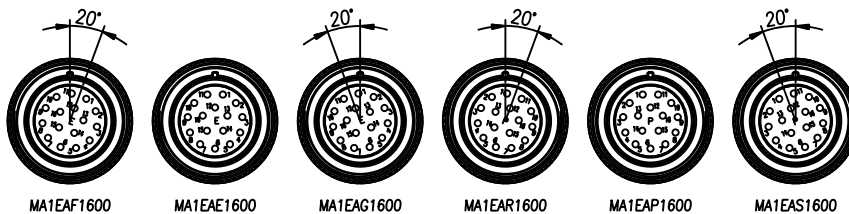
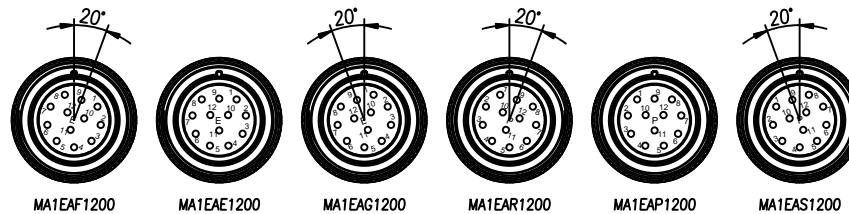
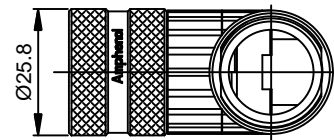
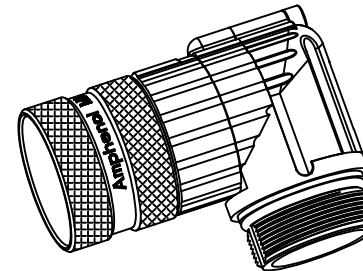
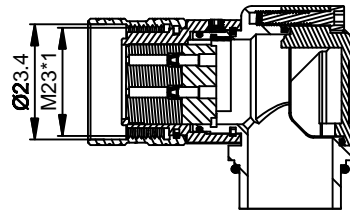
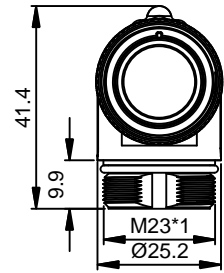


| REVISIONS | | | | | |
|-----------|-----|------------------------|-------------|-------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| B1 | - | RELEASE NEW DWG FORMAT | Feb.06,2014 | Tod | Tommy |
| B2 | - | UPDATE THE DURABILITY | Jun.27,2015 | Drack | Tommy |
| B3 | - | UPDATED | 04DEC15 | MRF | Tommy |



| | | | |
|----------|-------------|---|------|
| - | MA1EAS1900 | M23, PLUG, R/A, ROT, 19POS, P TYPE, KEYED "S" | 27 |
| - | MA1EAR1900 | M23, PLUG, R/A, ROT, 19POS, P TYPE, KEYED "R" | 26 |
| - | MA1EAP1900 | M23, PLUG, R/A, ROT, 19POS, P TYPE | 25 |
| - | MA1EAG1900 | M23, PLUG, R/A, ROT, 19POS, E TYPE, KEYED "G" | 24 |
| - | MA1EAF1900 | M23, PLUG, R/A, ROT, 19POS, E TYPE, KEYED "F" | 23 |
| - | MA1EAE1900 | M23, PLUG, R/A, ROT, 19POS, E TYPE | 22 |
| - | MA1EAS1700 | M23, PLUG, R/A, ROT, 17POS, P TYPE, KEYED "S" | 21 |
| - | MA1EAR1700 | M23, PLUG, R/A, ROT, 17POS, P TYPE, KEYED "R" | 20 |
| - | MA1EAP1700 | M23, PLUG, R/A, ROT, 17POS, P TYPE | 19 |
| - | MA1EAG1700 | M23, PLUG, R/A, ROT, 17POS, E TYPE, KEYED "G" | 18 |
| - | MA1EAF1700 | M23, PLUG, R/A, ROT, 17POS, E TYPE, KEYED "F" | 17 |
| - | MA1EAE1700 | M23, PLUG, R/A, ROT, 17POS, E TYPE | 16 |
| - | MA1EAS1600 | M23, PLUG, R/A, ROT, 16POS, P TYPE, KEYED "S" | 15 |
| - | MA1EAR1600 | M23, PLUG, R/A, ROT, 16POS, P TYPE, KEYED "R" | 14 |
| - | MA1EAP1600 | M23, PLUG, R/A, ROT, 16POS, P TYPE | 13 |
| - | MA1EAG1600 | M23, PLUG, R/A, ROT, 16POS, E TYPE, KEYED "G" | 12 |
| - | MA1EAF1600 | M23, PLUG, R/A, ROT, 16POS, E TYPE, KEYED "F" | 11 |
| - | MA1EAE1600 | M23, PLUG, R/A, ROT, 16POS, E TYPE | 10 |
| - | MA1EAS1200 | M23, PLUG, R/A, ROT, 12POS, P TYPE, KEYED "S" | 9 |
| - | MA1EAR1200 | M23, PLUG, R/A, ROT, 12POS, P TYPE, KEYED "R" | 8 |
| - | MA1EAP1200 | M23, PLUG, R/A, ROT, 12POS, P TYPE | 7 |
| - | MA1EAG1200 | M23, PLUG, R/A, ROT, 12POS, E TYPE, KEYED "G" | 6 |
| - | MA1EAF1200 | M23, PLUG, R/A, ROT, 12POS, E TYPE, KEYED "F" | 5 |
| - | MA1EAE1200 | M23, PLUG, R/A, ROT, 12POS, E TYPE | 4 |
| - | MA1EAS1900 | M23, PLUG, R/A, ROT, 19POS, P TYPE, KEYED "S" | 3 |
| - | MA1EAR1900 | M23, PLUG, R/A, ROT, 19POS, P TYPE, KEYED "R" | 2 |
| - | MA1EAP1900 | M23, PLUG, R/A, ROT, 19POS, P TYPE | 1 |
| - | MA1EAG1900 | M23, PLUG, R/A, ROT, 19POS, E TYPE, KEYED "G" | |
| - | MA1EAF1900 | M23, PLUG, R/A, ROT, 19POS, E TYPE, KEYED "F" | |
| - | MA1EAE1900 | M23, PLUG, R/A, ROT, 19POS, E TYPE | |
| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |

| MATERIALS LIST | | | |
|--|------|--|--------------|
| UNLESS OTHERWISE SPECIFIED | | SIGNATURES | DATE |
| 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 | | Drack | Jun.27,2015 |
| 3) Note reference = | | CHECKED: | |
| MATERIAL SPECIFICATIONS: | | ENGINEER: | |
| PROCESS SPECIFICATIONS: | | APPROVAL: | |
| NEXT ASSY: | | CUSTOMER: | |
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| M23, PLUG, ANGLED, ROTATABLE, THREADED | | | |
| SIZE | TYPE | DWG NO. | REVISION |
| B | C- | MA1EAXxx00 | B3 |
| SCALE: | NONE | C-MA1EAXxx00 | 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: COPPER ALLOY, 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, ANGLED, ROTATABLE, THREADED
DWG NO: MA1EAXxx00
REV: B3
SH: 1
OF: 1

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