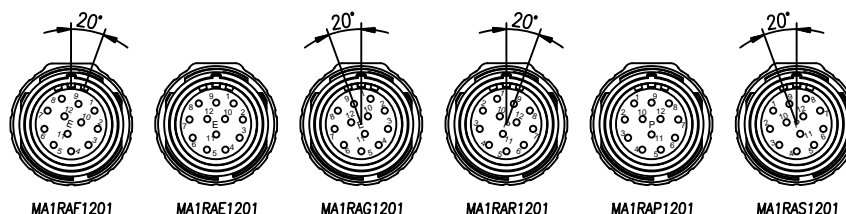
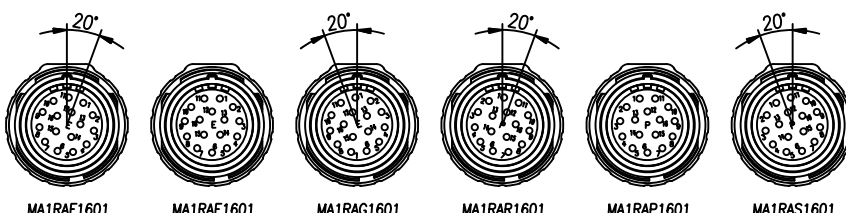


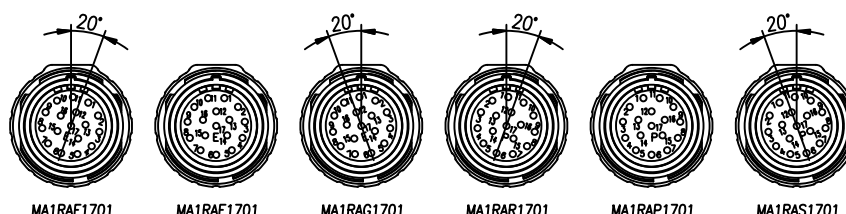
MOUNTING HOLE



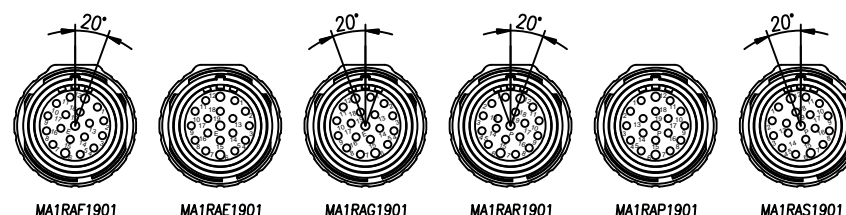
MA1RAF1201 MA1RAE1201 MA1RAG1201 MA1RAR1201 MA1RAP1201 MA1RAS1201



MA1RAF1601 MA1RAE1601 MA1RAG1601 MA1RAR1601 MA1RAP1601 MA1RAS1601



MA1RAF1701 MA1RAE1701 MA1RAG1701 MA1RAR1701 MA1RAP1701 MA1RAS1701



MA1RAF1901 MA1RAE1901 MA1RAG1901 MA1RAR1901 MA1RAP1901 MA1RAS1901

| 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 |

|          |             |                                               |      |
|----------|-------------|-----------------------------------------------|------|
| -        | 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   |
| -        | MA1RAS1701  | M23, RECP, R/A, ROT, 17POS, P TYPE, KEYED "S" | 21   |
| -        | MA1RAR1701  | M23, RECP, R/A, ROT, 17POS, P TYPE, KEYED "R" | 20   |
| -        | MA1RAP1701  | M23, RECP, R/A, ROT, 17POS, P TYPE            | 19   |
| -        | MA1RAG1701  | M23, RECP, R/A, ROT, 17POS, E TYPE, KEYED "G" | 18   |
| -        | MA1RAF1701  | M23, RECP, R/A, ROT, 17POS, E TYPE, KEYED "F" | 17   |
| -        | MA1RAE1701  | M23, RECP, R/A, ROT, 17POS, E TYPE            | 16   |
| -        | MA1RAS1601  | M23, RECP, R/A, ROT, 16POS, P TYPE, KEYED "S" | 15   |
| -        | MA1RAR1601  | M23, RECP, R/A, ROT, 16POS, P TYPE, KEYED "R" | 14   |
| -        | MA1RAP1601  | M23, RECP, R/A, ROT, 16POS, P TYPE            | 13   |
| -        | MA1RAG1601  | M23, RECP, R/A, ROT, 16POS, E TYPE, KEYED "G" | 12   |
| -        | MA1RAF1601  | M23, RECP, R/A, ROT, 16POS, E TYPE, KEYED "F" | 11   |
| -        | MA1RAE1601  | M23, RECP, R/A, ROT, 16POS, E TYPE            | 10   |
| -        | MA1RAS1201  | M23, RECP, R/A, ROT, 12POS, P TYPE, KEYED "S" | 9    |
| -        | MA1RAR1201  | M23, RECP, R/A, ROT, 12POS, P TYPE, KEYED "R" | 8    |
| -        | MA1RAP1201  | M23, RECP, R/A, ROT, 12POS, P TYPE            | 7    |
| -        | MA1RAG1201  | M23, RECP, R/A, ROT, 12POS, E TYPE, KEYED "G" | 6    |
| -        | MA1RAF1201  | M23, RECP, R/A, ROT, 12POS, E TYPE, KEYED "F" | 5    |
| -        | MA1RAE1201  | M23, RECP, R/A, ROT, 12POS, E TYPE            | 4    |
| QUANTITY | PART NUMBER | DESCRIPTION                                   | ITEM |

| MATERIALS LIST                       |  |                                                                                                                                                                                                                                                                      |                          |
|--------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| UNLESS OTHERWISE SPECIFIED           |  | SIGNATURES                                                                                                                                                                                                                                                           | DATE                     |
| 1) All dimensions are in metric(mm). |  | DRAWN: Drack                                                                                                                                                                                                                                                         | Jun.27,2015              |
| 2) Tolerances are as follows:        |  | CHECKED:                                                                                                                                                                                                                                                             |                          |
| 1 PL DEC ±0.30                       |  | ENGINEER:                                                                                                                                                                                                                                                            |                          |
| 2 PL DEC ±0.15                       |  | APPROVAL:                                                                                                                                                                                                                                                            |                          |
| 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:             |  | M23, RECP, ANGLED, ROTATABLE, THREADED                                                                                                                                                                                                                               |                          |
| PROCESS SPECIFICATIONS:              |  | SIZE                                                                                                                                                                                                                                                                 | TYPE                     |
| NEXT ASSY:                           |  | B                                                                                                                                                                                                                                                                    | C-                       |
|                                      |  | DWG NO: MA1Rxxx01                                                                                                                                                                                                                                                    |                          |
|                                      |  | REVISION B3                                                                                                                                                                                                                                                          |                          |
|                                      |  | SCALE: NONE                                                                                                                                                                                                                                                          | C-MA1Rxxx01 SHEET 1 OF 1 |

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
- 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
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

TITLE: M23 RECEPTACLE, ANGLED, ROTATABLE, THREADED  
DWG NO: MA1Rxxx01  
REV: B3  
SH: 1  
OF: 1