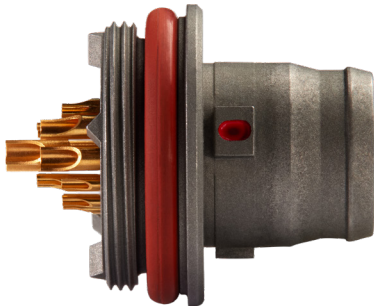


# MMC MD Series

LOW PROFILE  
STAINLESS STEEL  
EMC REINFORCEMENT  
POWER AND DATA

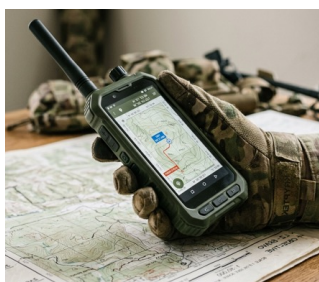
Compact, breakaway,  
20 contacts



PLUG



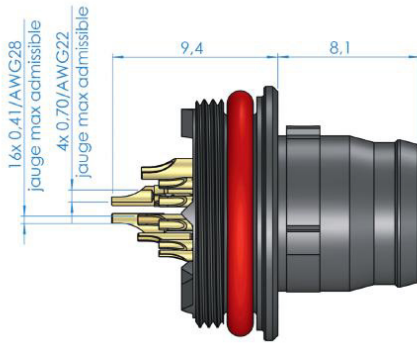
PLUG  
WITH BACKSHELL



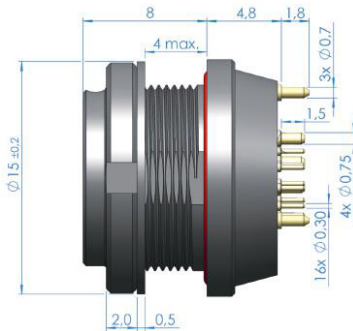


### MAIN DIMENSIONS

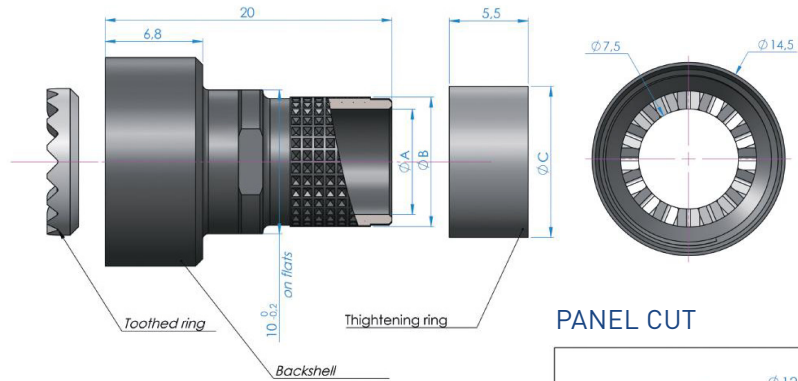
#### PLUG WITH SOLDER CUP CONTACTS



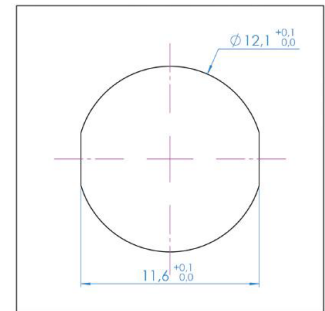
#### RECEPTACLE WITH PCB CONTACTS



#### BACKSHELL



#### PANEL CUT



### TECHNICAL CHARACTERISTICS

#### MECHANICAL AND CLIMATIC CHARACTERISTICS

|                                   |
|-----------------------------------|
| Locking                           |
| Breakaway                         |
| Operating temperature             |
| -55°C to +125°C                   |
| Nbr of mating-unmating cycles     |
| Up to 5000 cycles                 |
| Sealing                           |
| IP68 connected and disconnected   |
| Corrosion resistance (Salt spray) |
| Stainless steel : 96 hours        |
| Fluid resistance                  |
| Hydrocarbon and oils              |

#### ELECTRICAL CHARACTERISTICS

|                               |
|-------------------------------|
| Nbr. of contacts              |
| 20 contacts                   |
| Gauge - AWG                   |
| 22 (4 cts) / 28 (16 cts)      |
| Types of contacts             |
| PCB pins or solder cup        |
| Operating voltage             |
| 28 Vmax                       |
| Current rating per contact    |
| 4 contacts 5A, 16 contacts 1A |
| Contact resistance            |
| ≤20 mΩ                        |
| Insulating resistance         |
| > 100 MΩ. under 100VDC        |
| Dielectric strength           |
| 500 Veff à 50 Hz              |
| EMI RFI Protection            |
| Yes                           |

#### MATERIALS

|                                  |
|----------------------------------|
| Connector shell                  |
| Stainless steel                  |
| Connector shell plating          |
| Sandblasting                     |
| Insert                           |
| Thermoplastic                    |
| Contacts                         |
| Copper alloy                     |
| plated with gold over nickel     |
| Shielding ring                   |
| Beryllium copper plated          |
| with gold over nickel            |
| Backshell                        |
| Aluminum                         |
| Backshell plating                |
| Black Chrome over nickel plating |

