

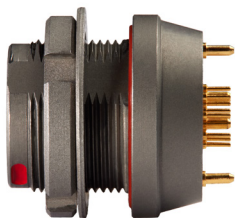


a HEICO Company

MMC SD Series

COMPACT DESIGN
LOW PROFILE
USB3.2 GEN 1
POWER AND DATA

Miniature stainless steel breakaway
connector with 12 contacts



RECEPTACLE

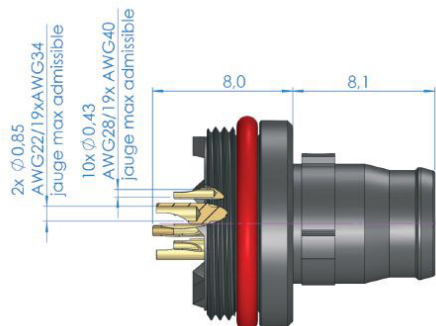


PLUG

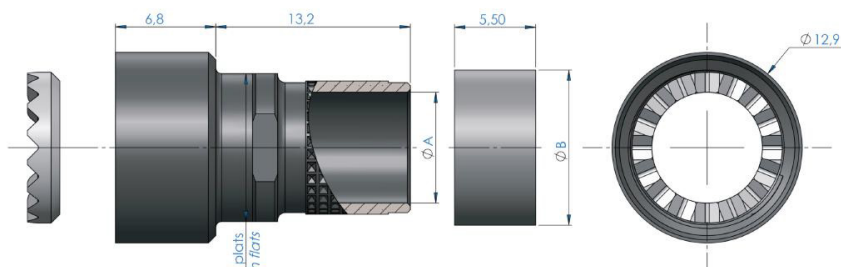


MAIN DIMENSIONS

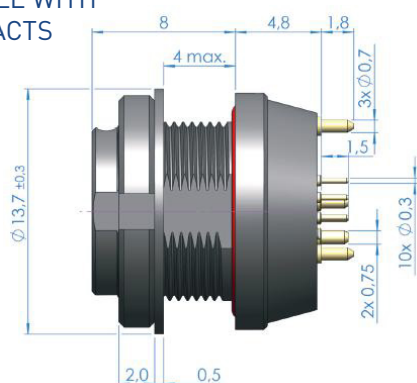
PLUG WITH SOLDER CUP CONTACTS



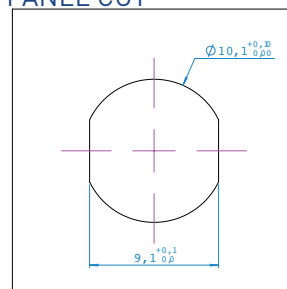
BACKSHELL



RECEPTACLE WITH PCB CONTACTS



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

12 contacts

Gauge - AWG

22 (2 cts)

28 (10 cts)

Types of contacts

PCB pins or solder cup

Operating voltage

28 Vmax

Current rating per contact

10 x 1A + 2 x 5A

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

