Style M12 Plug, shielded 8 pin A-coding

Ratings

Voltage: 30 V Current: 2 A

Operating Temperature Range -40 ~ 105 °C

Materials

(1) Insulator: Polyamide 66 (PA66), UL94 HB, black

- Pin: C3604 brass, gold plated
 Shell: C3604 brass, nickel plated
 Nut: C3604 brass, nickel plated
- (5) O-ring: Nitrile rubber, black & green
- (6) Pin alignment guide: Polyamide 66 (PA66), UL94 HB, black

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

Mechanical Requirements

Life cycle: 500 mating cycles minimum

Environmental Requirements

Date:

9/30/2020

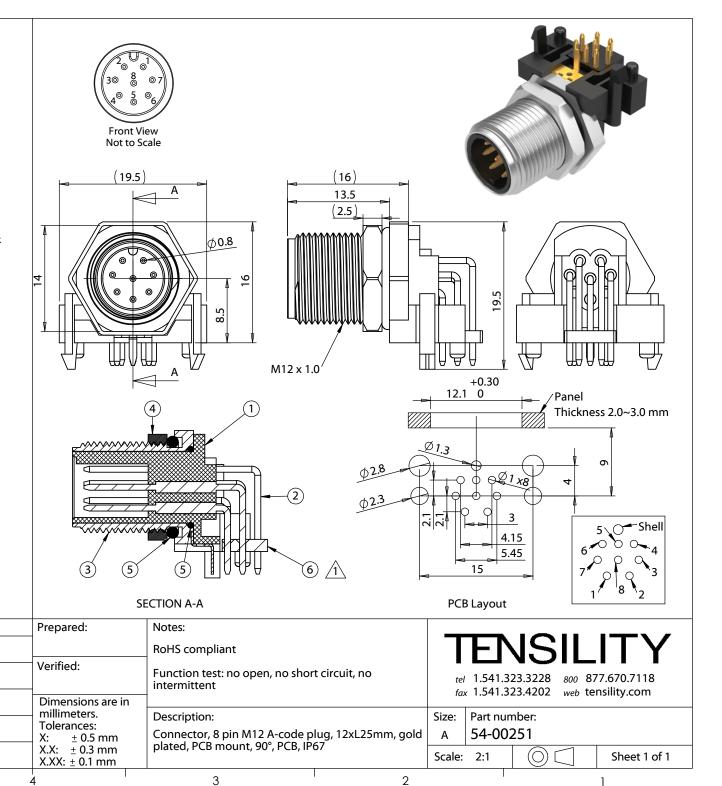
10/13/2021

Revision:

А

A1

Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap



5

Description:

Initial release

Added pin alignment guide