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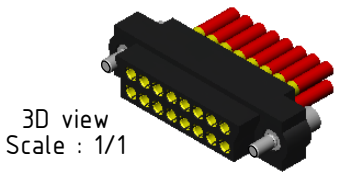
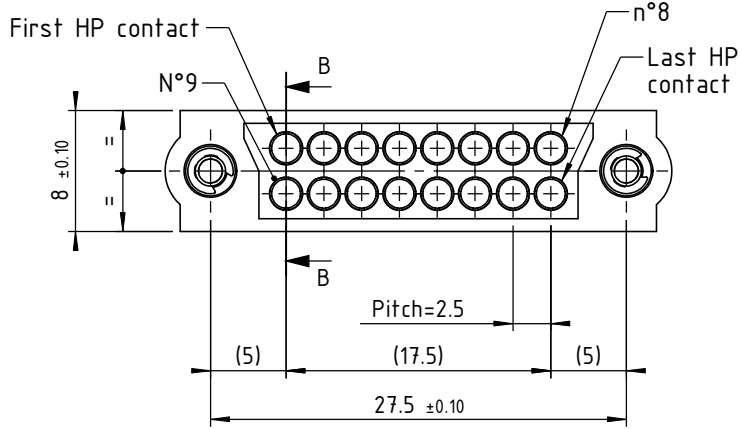
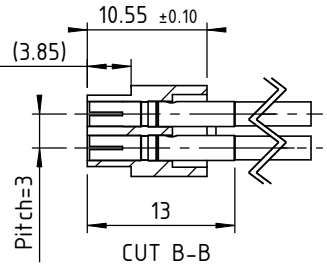
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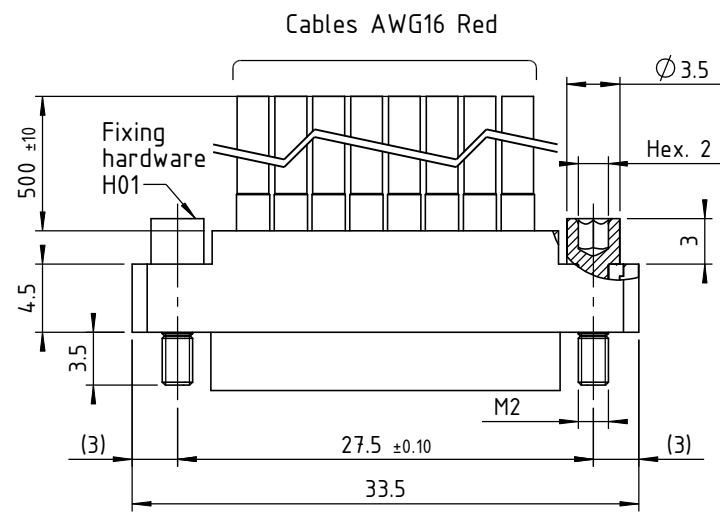
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WIRES SPECIFICATION
 MIL-W-22759/11
 AWG16 Red
 Standing : 19x29
 Finished Diameter: 1.95 mm max. (0.076 inch)
 Conductor : Silver coated copper
 Insulation : Extruded PTFE
 Temperature Rating : 200°C
 Voltage Rating : 600 V



TECHNICALS FEATURES

MATERIALS

INSULATOR : Special PPS (Polyphenylene Sulfide Fibreglass filled thermoplastic) UL 94-V0

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

FIXING HARDWARE :

- Jackscrew : Stainless steel

TECHNICAL FEATURES for 22 HP CONTACTS

MATERIAL

- Body : Copper alloy Ni + Au 0.5µ

MECHANICAL

- Endurance : 2500 cycles min.
- Insertion force : From 0.60 to 5N per contact
- Extraction force : From 0.50 to 2N per contact
- Secure overlapping : 1.30 mm
- Contact replacement : 5 cycles

ELECTRICAL

- Intensity : 10 A
- Contact resistance : max. 6 mΩ
- Maximum voltage (sea level) : 1000 V (RMS)
- Operating voltage (sea level) : 180 V AC/500 mA

ENVIRONMENTAL

- Temperature range : From -60°C to +260°C
- Vibration severity : 0.75mm, 10 g RMS 6 hours long random with superimposed sinusoid. No intermittencies measured when using an H.S.L.I. (High Speed Logic Interrupt) detector with a trip threshold of 2 ns
- Salt spray test : 96 hrs
- Humidity test : 56 days @ 90% humidity

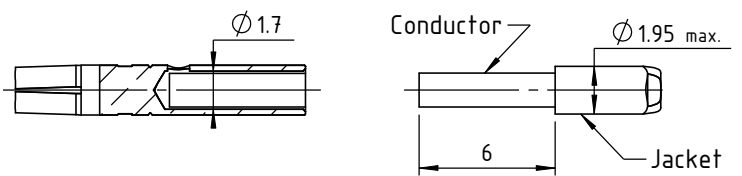


Tooling recommended

| Désignation | Part number |
|--------------------------------|------------------|
| HP series contacts removal | C13997 |
| Daniels HX3 tool & positionner | C14923 (Hex 1.9) |

HP contact
22-4310 AWG16
scale : 3 : 1

Crimping referee cable instruction IC22HP01
 Soldering referee page 100 of CMM catalogue
 Marking referee page 12-13 of CMM catalogue



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|---|-----|----------|-------|---------|----------|
| www.nicomatic.com Mail : nicomatic@nicomatic.fr Tel : +33 (0)4.50.36.13.85 | 2 | 11/09/08 | C.G. | E.M. | D.Z. |
| | Iss | Date | Drawn | Checked | Approved |
| Item : Female harness 342E000H01-0016-4310 Lg 500mm Connector CMM340 F, 16 HP contacts 30-4310, H01 | | | | | |
| Folder : X:\Méthodes\Plans clients\Plans clients 2D\17 - Cablage\2 - Câblage avec contacts spéciaux\HF30004J2A500_cl | | | | | |

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Catalogue Reference : HF30004 J2A500

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|--|-------------------|------|-------|-----|------|-----|
| | General tolerance | ±0.2 | Scale | 2:1 | Page | 1/1 |
|--|-------------------|------|-------|-----|------|-----|

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