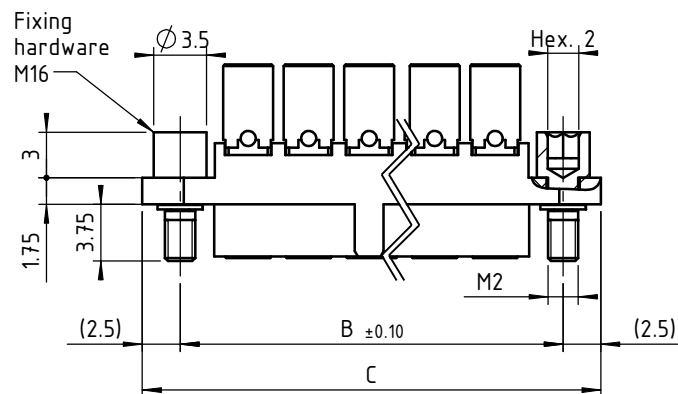
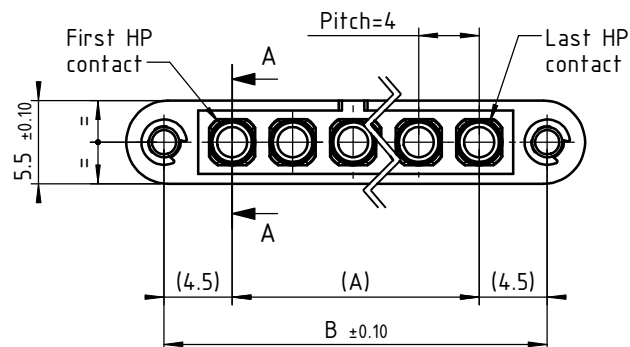
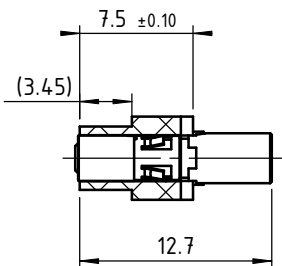
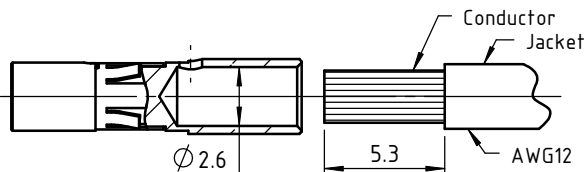




HP contact
30-4320
to crimp or
to solder
Scale : 3:1



TECHNICALS FEATURES

MATERIALS

INSULATOR : Special PPS (Polyphenylene sulphide 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 30 HP CONTACTS

MATERIAL

- Body : Copper alloy / Ni + Au 0.5µ
- Retaining clip : Beryllium alloy / Ni 3µ

MECHANICAL

- Endurance : 500 cycles min. up to 2500.
- 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 in insulator : 30 cycles

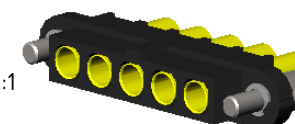
ELECTRICAL

- Intensity : 20 A
- Contact resistance : max. 6 mΩ
- Maximum voltage (sea level) : 1000V (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.
- Shock severity : 100g for 6 ms
- Solvent resistance : HcFc 141 bMGX (ATOCHM) solvent
- Salt spray test : 96 hrs
- Humidity test : 56 days @ 90% humidity

3D view
scale : 1.5:1



Marking as referenced in the CMM catalogue page 12-13



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2	21/03/11	N.P.	A.V.	E.M.
Iss	Date	Drawn	Checked	Approved
Item : Connector CMM220 female on cables AWG12, zz HP contacts 30-4320, M16				

Tools recommended for HP contacts	Crimping following cable instruction IC30HP02		
	HP series 30 contacts removal		12368
	Daniels AF8 hand crimp tool		16459
	Positioner for Daniels AF8 tool		C16460
	AWG12 crimp tool setting		Position 8

Folder : X:\Méthodes\Plans clients\Plans clients 2D\10 - CMM220\Connecteurs femelles\222E\222E00M16-00zz-4320_cl

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Catalogue Reference : 222E00M16-00zz-4320



General tolerance ±0.2

Scale 2:1 Page 1/1