

### CGFH

**STH®** for reflow soldering

**MSL1**

For resined PCB



Board to board connection

#### General data

**Dimensional class:** medium  
**Standard colour:** black  
**Pitches:** metric 5 mm, 7.5 mm, 10 mm (.197 in, .295 in, .394 in)  
 imperial 5.08 mm, 7.62 mm, 10.16 mm (.200 in, .300 in, .400 in)  
**PCB thickness:** max 2.4 mm (.094 in)  
**PCB hole diameter:** min 1.4 mm (.055 in)  
**Operating temperature range:** -40 °C ÷ +105 °C (-40 °F ÷ +221 °F)  
**Contact resistance:** <15 mΩ  
**Insulation resistance:** >10<sup>9</sup> Ω (500V DC)  
**Insulating material group:** I (CTI ≥ 600V)

#### Certifications

##### UL (n. E167473)

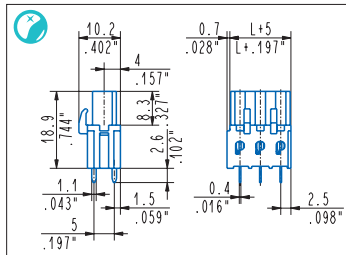
300 V - 15 A - for 5 mm, 5.08 mm, 7.5 mm and 7.62 mm pitch  
 600 V - 15 A - for 10 mm and 10.16 mm pitch

##### VDE (n. 40027448)

250 V - 16 A - 2.5 mm<sup>2</sup> - T100 - 2.5kV - 2 for 5 mm and 5.08 mm pitch  
 500 V - 16 A - 2.5 mm<sup>2</sup> - T100 - 4kV - 2 for 7.5 mm and 7.62 mm pitch  
 750 V - 16 A - 2.5 mm<sup>2</sup> - T100 - 6kV - 2 for 10 mm and 10.16 mm pitch

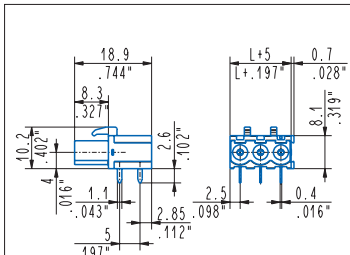
##### IMQ (n. EM672)

300 V - 12 A - 2.5 mm<sup>2</sup> - T110 - 4kV - III/2 for 5 mm and 5.08 mm pitch  
 600 V - 12 A - 2.5 mm<sup>2</sup> - T110 - 6kV - III/2 for 7.5 mm and 7.62 mm pitch  
 1000 V - 12 A - 2.5 mm<sup>2</sup> - T110 - 8kV - III/2 for 10 mm and 10.16 mm pitch



#### Straight, modular female

**CGFH\_0M1-ON** 2 ÷ 6 poles, 5 mm .197" pitch  
**CGFH\_0M3-ON** 2 ÷ 4 poles, 7.5 mm .295" pitch  
**CGFH\_0M2-ON** 1 ÷ 3 poles, 10 mm .394" pitch  
**CGFH\_0M5-ON** 2 ÷ 4 poles, 5.08 mm .200" pitch  
**CGFH\_0M7-ON** 2 ÷ 4 poles, 7.62 mm .300" pitch  
**CGFH\_0M6-ON** 1 ÷ 2 poles, 10.16 mm .400" pitch



#### 90°, modular female

**CGFH\_9M1-ON** 2 ÷ 6 poles, 5 mm .197" pitch  
**CGFH\_9M3-ON** 2 ÷ 4 poles, 7.5 mm .295" pitch  
**CGFH\_9M2-ON** 1 ÷ 3 poles, 10 mm .394" pitch  
**CGFH\_9M5-ON** 2 ÷ 4 poles, 5.08 mm .200" pitch  
**CGFH\_9M7-ON** 2 ÷ 4 poles, 7.62 mm .300" pitch  
**CGFH\_9M6-ON** 1 ÷ 2 poles, 10.16 mm .400" pitch

#### Usable with:

**CIM**

**CIMH**

**CPM high**

**CPM/CPMH**

**CRM**

**CIMH normo**

**CGM**

