

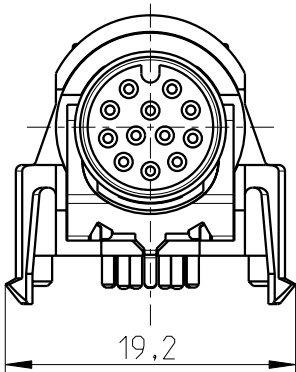
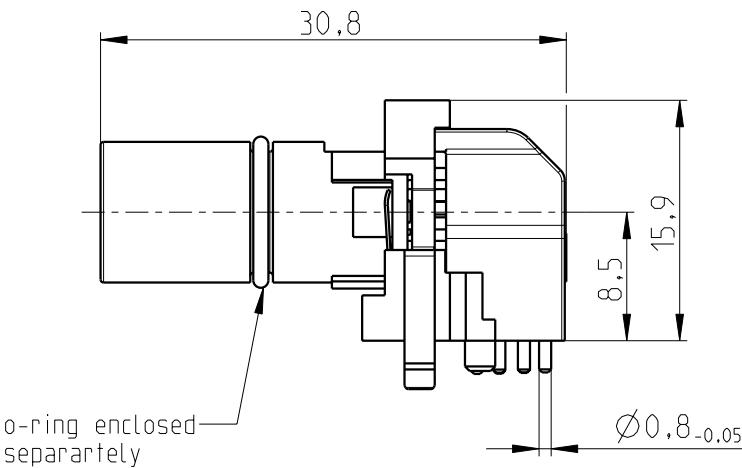
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| Mechanical data<br>(according to IEC 61076-2-101) |                                 | Material               |                      |
|---------------------------------------------------|---------------------------------|------------------------|----------------------|
| no. of poles / coding                             | 12 / A (with shield connection) | contacts / surface     | CuZn with gold layer |
| contact termination                               | dip solder / pin                | contact carrier colour | PA6T / 66 black      |
| contact-Ø                                         | 12xØ0.6mm                       | sealing gasket         | FKM                  |
| temperature range                                 | -40 °C to +105 °C               |                        |                      |
| protection class                                  | IP67                            |                        |                      |
| mating cycles                                     | >100                            |                        |                      |

further information:  
- see technical data M12-3

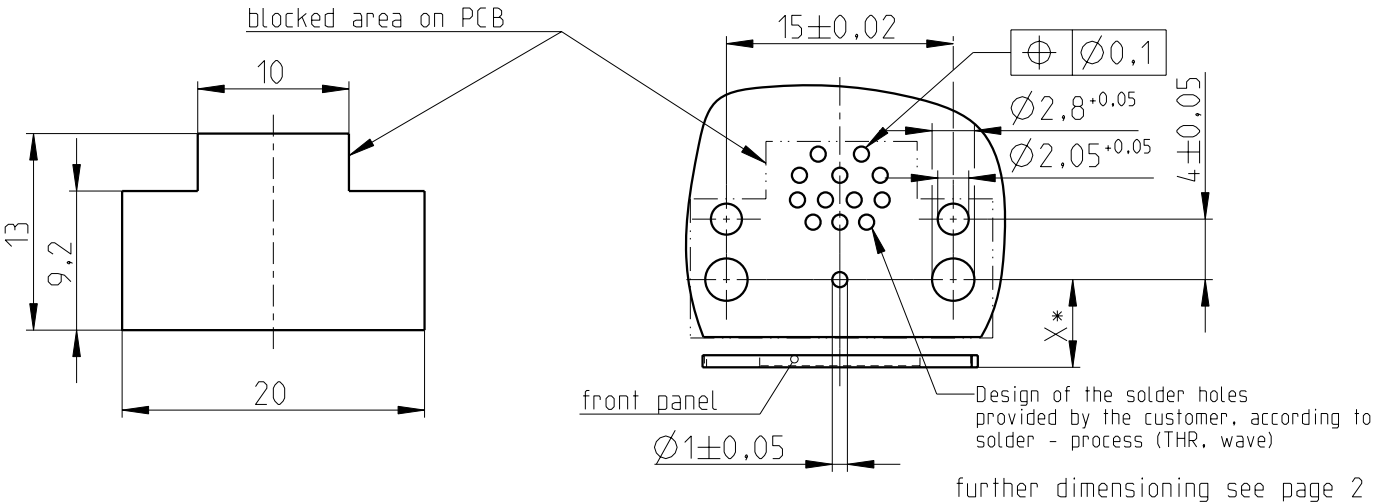
While mounting the insulating body with o-ring into the housing, the axial mounting force on each connector shouldn't be higher than 80N.  
Avoid radial forces!



All specified data refers to the mounted M12 installation plugs ≥ IP54 and requires that the connector pair be correctly plugged and locked. Influences from wires, cables or PCB mounting are also to be taken into consideration.

drilling plan  
component side (front view PC-Board)

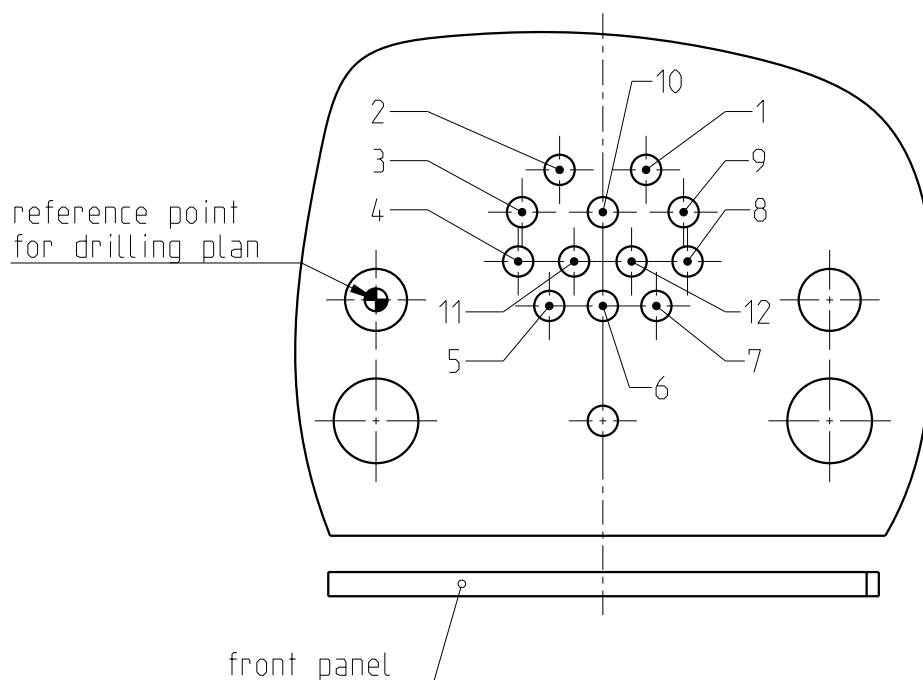
\* measure X depends on the installed housing, see installation recommendation of the housing series M12 DSIV



|                                             |            |        |                                                                                           |                             |                      |               |
|---------------------------------------------|------------|--------|-------------------------------------------------------------------------------------------|-----------------------------|----------------------|---------------|
| general tolerance<br>acc. to DIN ISO 2768-c |            |        | technical changes reserved                                                                |                             | Index 3 / 2012-07-20 | scale:<br>2:1 |
| design                                      | date       | name   | Series DSIV<br>M12-male-contact carrier<br>12-pole male/A-coding/angled/shield connection |                             |                      |               |
| chk.                                        | 2012-03-23 | Hieber |                                                                                           |                             |                      |               |
|                                             |            |        |                                                                                           |                             |                      |               |
|                                             |            |        | drawing-no.:                                                                              | BS-12P2NG20000              | doc.-no.:            | 97013268      |
|                                             |            |        | order-no.:                                                                                | 1239455                     |                      |               |
|                                             |            |        | article designation:                                                                      | SACC-CI-M12MS-12CON-L90 SHX |                      |               |

# drilling plan

component side (front view PC-Board)



| bore | X     | Y    |
|------|-------|------|
| 1    | 8,93  | 4,3  |
| 2    | 6,07  | 4,3  |
| 3    | 4,83  | 2,9  |
| 4    | 4,7   | 1,27 |
| 5    | 5,73  | -0,2 |
| 6    | 7,5   | -0,2 |
| 7    | 9,27  | -0,2 |
| 8    | 10,3  | 1,27 |
| 9    | 10,17 | 2,9  |
| 10   | 7,5   | 2,9  |
| 11   | 6,55  | 1,27 |
| 12   | 8,45  | 1,27 |

|                                             |      |      |                                                                                           |                             |                      |               |
|---------------------------------------------|------|------|-------------------------------------------------------------------------------------------|-----------------------------|----------------------|---------------|
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| design                                      | date | name | Series DSIV<br>M12-male-contact carrier<br>12-pole male/A-coding/angled/shield connection |                             |                      |               |
| chk.                                        |      |      |                                                                                           |                             |                      |               |
|                                             |      |      |                                                                                           |                             |                      |               |
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page: 2  
of: 2