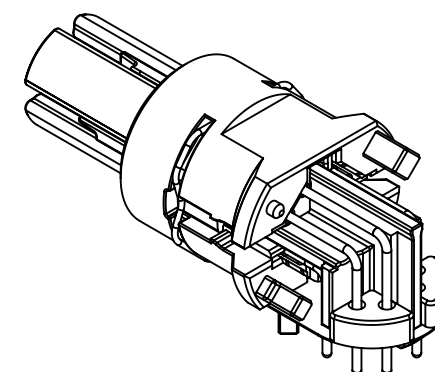
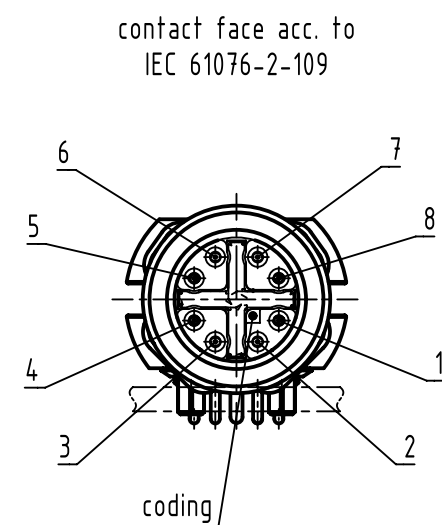
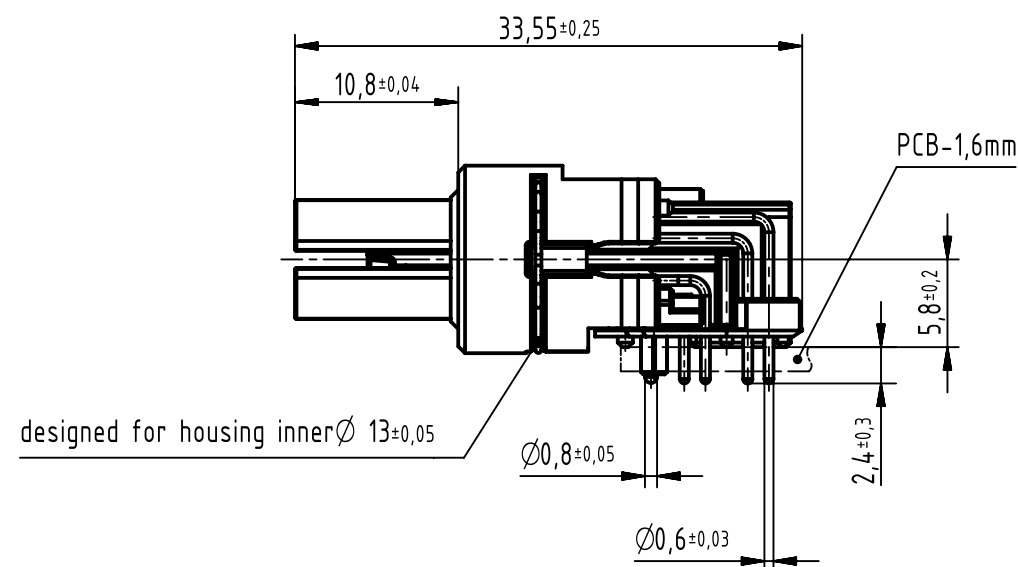
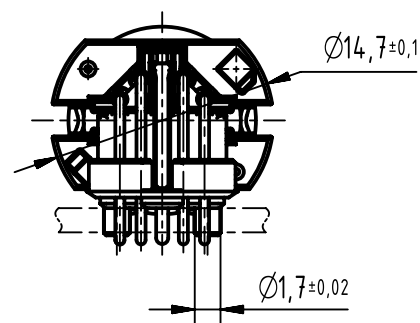
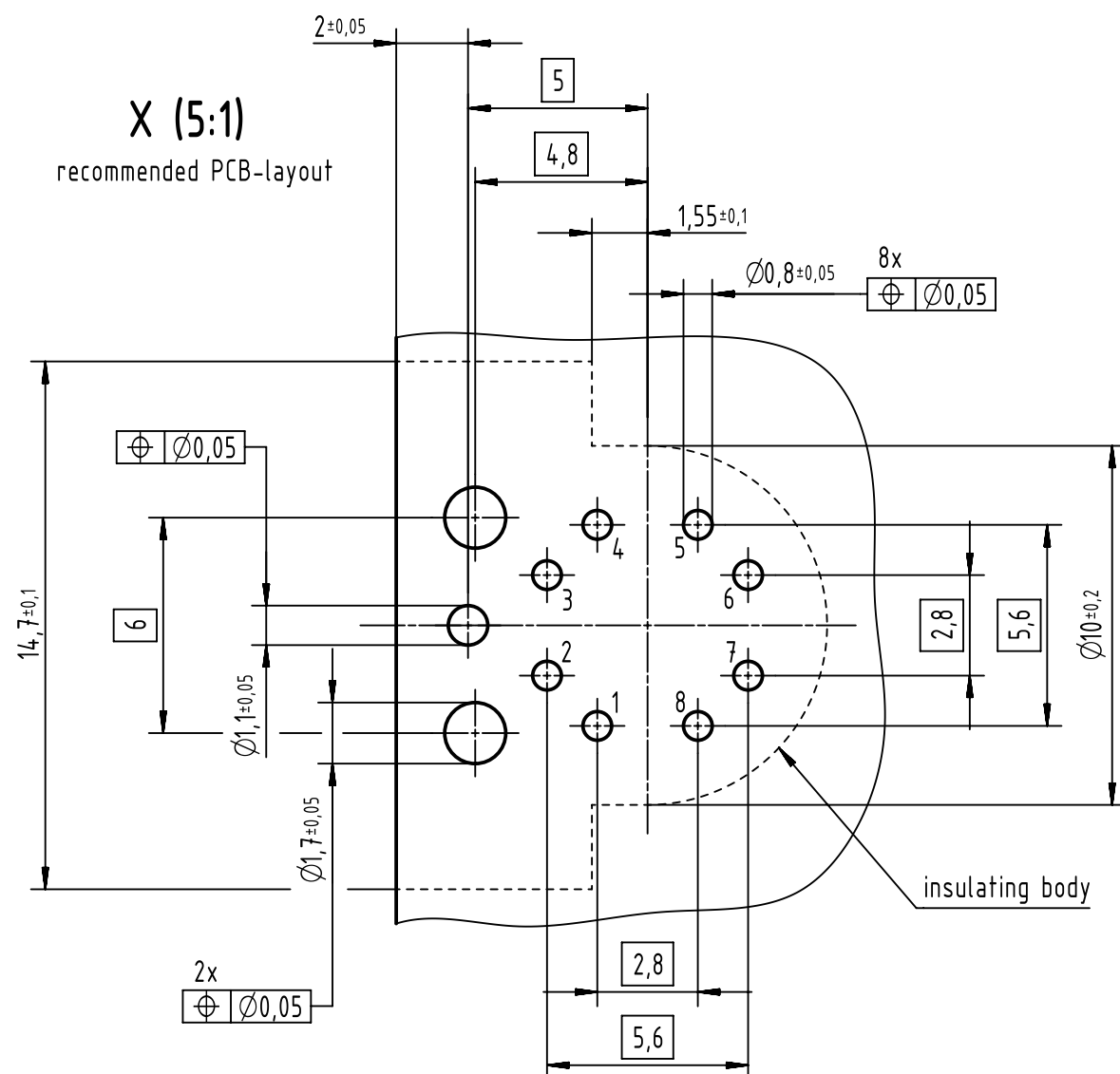




**X (5:1)**  
recommended PCB-layout



- 500 mating cycles acc. to DIN EN 60512-9-1
- design for reflow soldering
- 30 pcs. tray package

| pin assignment                        |     |        |      |
|---------------------------------------|-----|--------|------|
| difference of contact length to pin 1 | pin | signal | pair |
| 0                                     | 1   | TD1+   | 2    |
| -2,8                                  | 2   | RD1-   | 2    |
| -2,8                                  | 3   | TD2+   | 3    |
| 0                                     | 4   | RD2-   | 3    |
| +5,6                                  | 5   | TD4+   | 4    |
| +8,4                                  | 6   | RD4-   | 4    |
| +8,4                                  | 7   | RD3-   | 1    |
| +5,6                                  | 8   | TD3+   | 1    |

|                                                                                       |  |                                              |  |                                                    |  |                       |  |                                          |  |                    |  |                                                          |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------------|--|----------------------------------------------------|--|-----------------------|--|------------------------------------------|--|--------------------|--|----------------------------------------------------------|--|
|  |  | All Dimensions in mm<br>Original Size DIN A3 |  | Scale<br>2:1                                       |  | Free size tol.        |  | Ref.                                     |  |                    |  |                                                          |  |
|                                                                                       |  |                                              |  |                                                    |  |                       |  | Sub. 21033814806 500000074641 2014-10-02 |  |                    |  |                                                          |  |
|  |  | All rights reserved                          |  | Created by<br>EISFELD                              |  | Inspected by<br>GENAU |  | Standardisation<br>HOFFMANN              |  | Date<br>2015-03-18 |  | State<br>Final Release                                   |  |
|                                                                                       |  | Department EC PD - DE                        |  |                                                    |  |                       |  |                                          |  |                    |  | Doc-Key / ECM-Nr.<br>100227330/UGD/006/E<br>500000086400 |  |
| HARTING Electronics GmbH<br>D-32339 Espelkamp                                         |  |                                              |  | Title<br>har-speed M12 PCB Cat6A receptacle angled |  |                       |  |                                          |  |                    |  |                                                          |  |
|                                                                                       |  |                                              |  | Type<br>TB                                         |  | Number<br>21033814806 |  |                                          |  |                    |  | Rev.<br>E                                                |  |