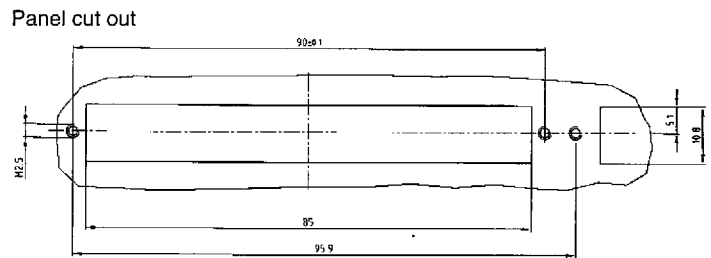
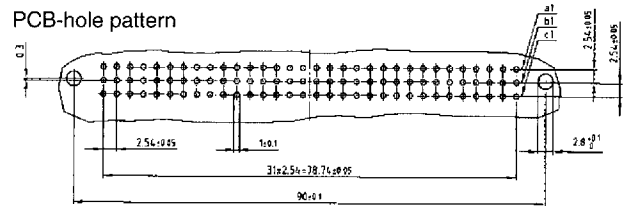
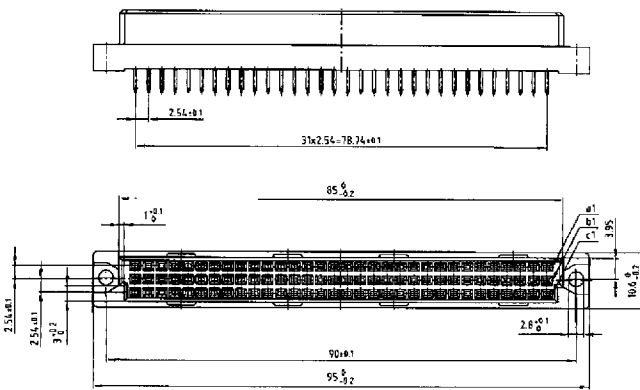
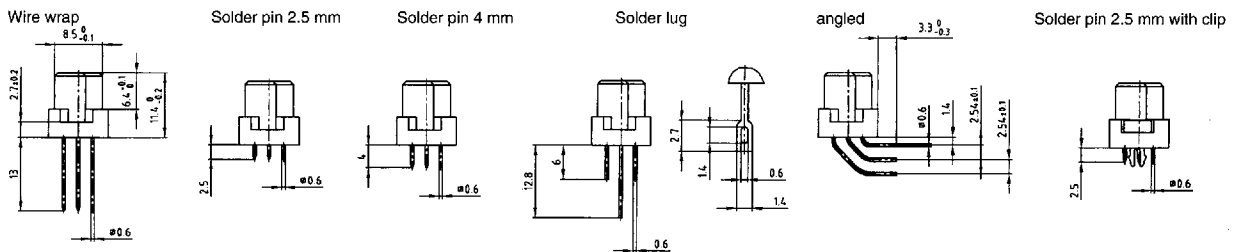


Female connector  
 – Contact spacing  
 2.54 and 5.08 mm –



Kinds of contacts

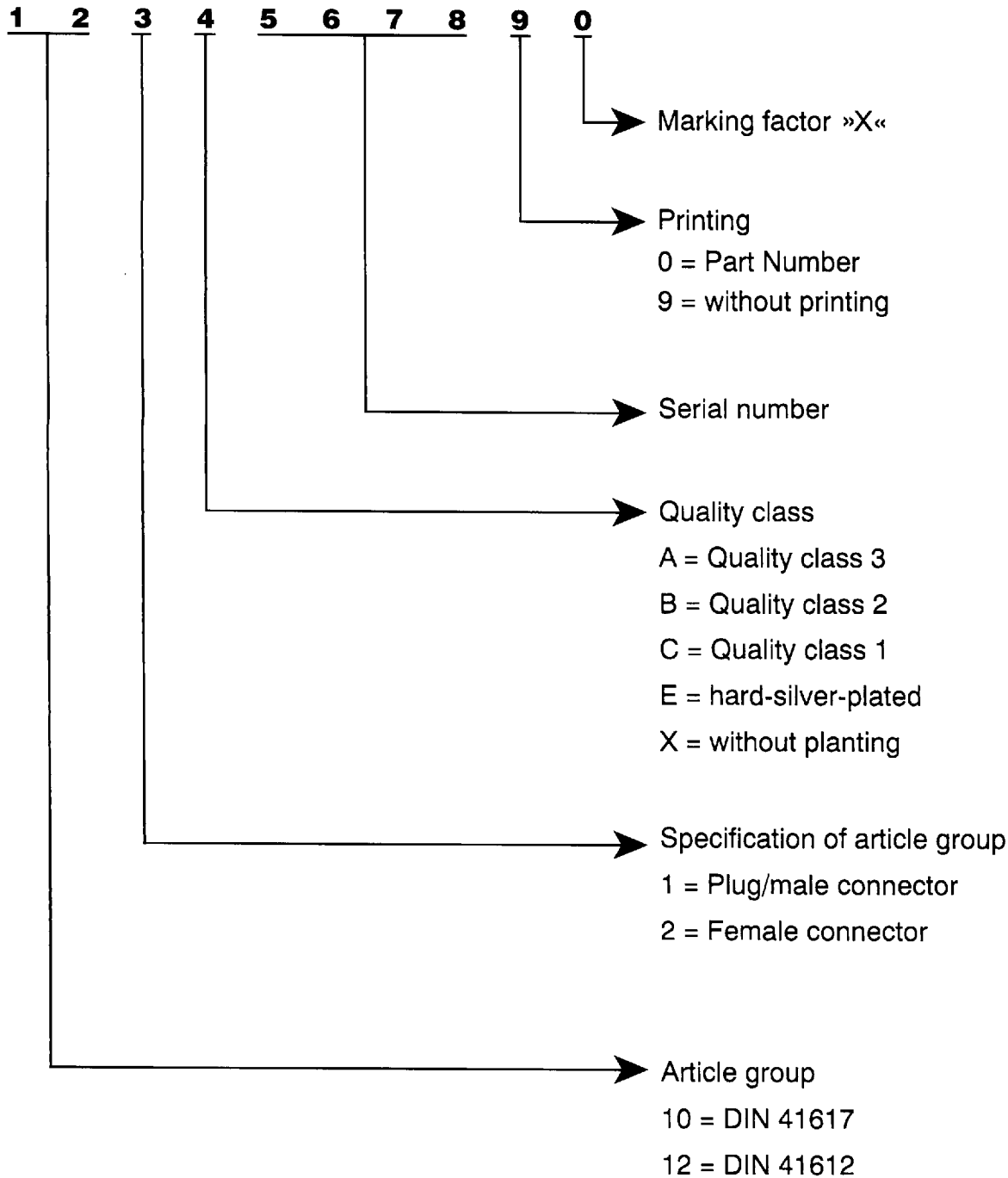


Kat 1 i OGA

**Part numbers**

| No. of Pos. | Version | Female connector – Contact spacing 2.54 and 5.08 mm |                                   |                                   |                                 |                                  |                                     |
|-------------|---------|---|-----------------------------------|-----------------------------------|---------------------------------|----------------------------------|-------------------------------------|
|             |         | Wire wrap   | Solder pin 2.5 mm                 | Solder pin 4 mm                   | Solder lug                      | angled                           | Solder pin with clip                |
| 32          |         | C 32 F3 WW a<br>122 A 10169 X                       | C 32 F3 P2 a<br>122 A 10219 X     | C 32 F3 P4 a<br>122 A 10269 X     | C 32 F3 La<br>122 A 10319 X     | C 32 F3 A a<br>122 A 10369 X     | C 32 F3 PC 2 a<br>122 A 13249 X     |
| 32          |         | C 32 F3 WW a+c<br>122 A 10179 X                     | C 32 F3 P2 a+c<br>122 A 10229 X   | C 32 F3 P4 a+c<br>122 A 10279 X   | C 32 F3 La+c<br>122 A 10329 X   | C 32 F3 A a+c<br>122 A 10379 X   | C 32 F3 PC 2 a+c<br>122 A 13259 X   |
| 64          |         | C 64 F3 WW a+b<br>122 A 10189 X                     | C 64 F3 P2 a+b<br>122 A 10239 X   | C 64 F3 P4 a+b<br>122 A 10289 X   | C 64 F3 La+b<br>122 A 10339 X   | C 64 F3 A a+b<br>122 A 10389 X   | C 64 F3 PC 2 a+b<br>122 A 13269 X   |
| 64          |         | C 64 F3 WW a+c<br>122 A 10199 X                     | C 64 F3 P2 a+c<br>122 A 10249 X   | C 64 F3 P4 a+c<br>122 A 10299 X   | C 64 F3 La+c<br>122 A 10349 X   | C 64 F3 A a+c<br>122 A 10399 X   | C 64 F3 PC 2 a+c<br>122 A 13279 X   |
| 96          |         | C 96 F3 WW a+b+c<br>122 A 10209 X                   | C 96 F3 P2 a+b+c<br>122 A 10259 X | C 96 F3 P4 a+b+c<br>122 A 10309 X | C 96 F3 La+b+c<br>122 A 10359 X | C 96 F3 A a+b+c<br>122 A 10409 X | C 96 F3 PC 2 a+b+c<br>122 A 13289 X |

### Part Number



### Order example

| Male connector type C 64 pos. angled solder pin without printing |                                       |
|--|---------------------------------------|
| Quality class  | Part Number                           |
| 3  | C 64 M 3 A a + c <b>121 A 10139 X</b> |
| 2  | C 64 M 2 A a + c <b>121 B 10139 X</b> |
| 1  | C 64 M 1 A a + c <b>121 C 10139 X</b> |

■ 9017935 0000163 041 ■

| Technical Data                  |                              | DIN 41617              | DIN 41617/<br>41612  | Type B               | Type B/2             | Type C               | Type C/2             | Type M   |
|---------------------------------|------------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| Initial contact resistance      |                              | ≤ 15 mΩ                | ≤ 10 mΩ              | ≤ 20 mΩ              | ≤ 20 mΩ              | ≤ 20 mΩ              | ≤ 20 mΩ              | ≤ 20 mΩ  |
| Initial insulation resistance   | QUAL. CL 1                   | ≥ 10 <sup>12</sup> Ω   | ≥ 10 <sup>11</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω   |
|                                 | QUAL. CL 2                   | ≥ 10 <sup>11</sup> Ω   |                      | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω | ≥ 10 <sup>12</sup> Ω   |
|                                 | QUAL. CL 3                   | ≥ 10 <sup>10</sup> Ω   |                      | ≥ 10 <sup>11</sup> Ω | ≥ 10 <sup>11</sup> Ω | ≥ 10 <sup>11</sup> Ω | ≥ 10 <sup>11</sup> Ω | ≥ 10 <sup>11</sup> Ω   |
| Clearance distance              | Contact/ground               | ≥ 1 mm                 | ≥ 1,2 mm             |                      |                      |                      |                      |  |
|                                 | Contact/contact              | ≥ 0,5 mm               |                      | ≥ 1,2 mm             | ≥ 1,2 mm             | ≥ 1,2 mm             | ≥ 1,2 mm             | ≥ 1,2 mm   |
| Creepage distance               | Contact/ground               | ≥ 1 mm                 | ≥ 1,2 mm             |                      |                      |                      |                      |  |
|                                 | Contact/contact              | ≥ 1,0 mm               |                      | ≥ 1,2 mm             | ≥ 1,2 mm             | ≥ 1,2 mm             | ≥ 1,2 mm             | ≥ 1,2 mm   |
| Test voltage V r.m.s.           | Contact/ground               | 900 V                  | 1000 V               | 1000 V               | 1000 V               | 1000 V               | 1000 V               | 1000 V   |
|                                 | Contact/contact              | 1150 V                 | 1550 V               | 1550 V               | 1550 V               | 1550 V               | 1550 V               | 1550 V   |
| Working voltage*                |                              | 250 V                  | 250 V                | 250 V                | 250 V                | 250 V                | 250 V                | 250 V  |
| Insulation group*               |                              | A                      | A                    | A                    | A                    | A                    | A                    | A  |
| Working current **              | + 20° C                      | GT 1+2 = 4 A max.      | 4 A max.             | 2 A                  | 2 A                  | 2 A                  | 2 A                  | 2 A  |
|                                 | + 70° C                      |                        |                      | 1 A                  | 1 A                  | 1 A                  | 1 A                  | 1 A  |
|                                 | + 100° C                     | GT 3 = 2 A max.        |                      | 0,5 A                | 0,5 A                | 0,5 A                | 0,5 A                | 0,5 A  |
| Operating temperature           | Quality cl. I                | -65° ... + 125° C      | -65° ... + 125° C    | -55° C               | -55° C               | -55° C               | -55° C               | -55° C   |
|                                 | Quality cl. II               | -55° ... + 125° C      |                      | ...                  | ...                  | ...                  | ...                  | ...  |
|                                 | Quality cl. III              | -25° ... + 85° C       |                      | +125° C              | +125° C              | +125° C              | +125° C              | +125° C  |
| Moulding material               | PC = Polycarbonat            | X                      | X                    |                      |                      |                      |                      |  |
|                                 | PBTP = Polyester             |                        |                      | X                    | X                    | X                    | X                    | X  |
|                                 | PA = Polyamid                |                        |                      |                      |                      |                      |                      |  |
| Contact material                |                              |                        |                      |                      |                      |                      |                      |  |
| Coding system                   | with coding                  |                        |                      | X                    | X                    | X                    | X                    | X  |
|                                 | without coding               | X                      | X                    |                      |                      |                      |                      |  |
| Flammability                    | PC = Polycarbonat            | UL 94 V-1              |                      |                      |                      |                      |                      |  |
|                                 | PBTP = Polyester             | UL 94 V-0              |                      |                      |                      |                      |                      |  |
|                                 | PA = Polyamid                | UL 94 H-B              |                      |                      |                      |                      |                      |  |
| Insertion and withdrawal forces | F max.                       | 13p. 32 N/AU • 30 N/AG |                      | 32p 30N              | 16p 15N              | 32p 30N              | 16p 15N              | 78+2p 90<br>52+2p 75<br>60+4p 85<br>40+4p 70<br>42+6p 85<br>28+6p 70<br>24+8p 80 |
|                                 | F max.                       | 21p. 33 N/AU • 46 N/AG |                      | 64p 60N              | 32p 30N              | 64p 60N              | 32p 30N              |  |
|                                 | F max.                       | 31p. 48 N/AU • 70 N/AG | 31+1p 80N            |                      |                      |                      | 96p 90N              | 48p 45N  |
| Life                            | Quality class 1 ≥ 500 cycles | X                      | X                    | X                    | X                    | X                    | X                    | X  |
|                                 | Quality class 2 ≥ 400 cycles | X                      |                      | X                    | X                    | X                    | X                    | X  |
|                                 | Quality class 3 ≥ 50 cycles  | X                      |                      | X                    | X                    | X                    | X                    | X  |
|                                 | AG                           | X                      |                      |                      |                      |                      |                      |  |

\* according to SEV 50 V

\*\* Derating diagrams see page 189

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