



**NOTES:**

1. METALSHELLS: STEEL; min. 315µm TIN over 40-80µm NICKEL
2. INSULATORS: PBT GF UL 94 V-0, BLACK
3. CONTACTS: COPPER ALLOY; PLATING (SEE PART NO):
  - PLEASE ADD A for GOLD FLASH over NICKEL (PREFERRED TYPE)
  - PLEASE ADD B for 20µm HARD GOLD over min. 50µm NICKEL
  - PLEASE ADD C for 30µm HARD GOLD over min. 50µm NICKEL
4. METAL BRACKETS: ZINC DIE CAST; 300µm COPPER/40-120µm NICKEL/120-200µm TIN
5. THREADED INSERTS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
6. FIXING PLATE: PBT GF UL 94 V-0, BLACK
7. PCB-SNAPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL  
PCB-HOLE:  $\phi 3,1 \pm 0,1$ mm; PCB-THICKNESS: 1,6mm
8. P.C.B. HOLE DRILLINGS ON SHEET 2
9. MAXIMUM TORQUE VALUE FOR THREAD: 6 in.LB
10. CONNECTOR IS PART MARKET: 164□19949X CONEC ABC

Directive 2002/95/EC RoHS compliant

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|       |                     | tolerance |      | dim. in mm                |  |
|-------|---------------------|-----------|------|---------------------------|--|
|       |                     | date      | name |                           |  |
| drawn | 10.04.13            | Schmidt   |      |                           |  |
| appd. | 10.04.13            | Fischer   |      |                           |  |
| norm  |                     |           |      |                           |  |
| d-old | 16K1A543 / 16K11MGA |           |      |                           |  |
| 1 x b | A4717               | 10.04.13  | HS   | <b>CONEC</b> <sup>®</sup> |  |
| a     | Original            |           |      |                           |  |
| rev.  | description         | date      | name |                           |  |

|           |   |        |
|-----------|---|--------|
| scale:    | 2:1   |        |
| material: | see notes   |        |
| title:    | D-SUB DUAL PORT 19,05mm<br>FEMALE / FEMALE 2x37pos.<br>threaded insert, metal bracket, fixing plate, snap |        |
| dwg no:   | 16K1A3222   | DIN-A3 |
| part no:  | 164□19949X (see note 3)   | sh: 1  |

