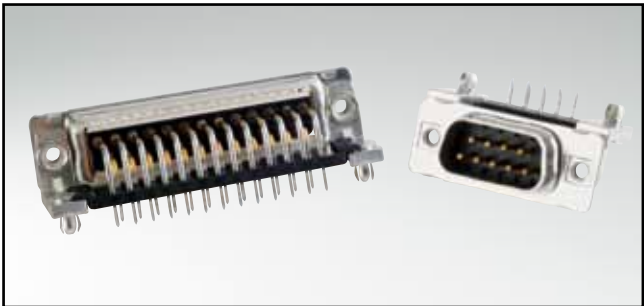


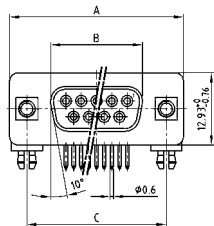
C-FILTER D-SUB STANDARD

Solder pin – Angled – .370" / 9.4 mm – Precision machined contacts – Metal bracket



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

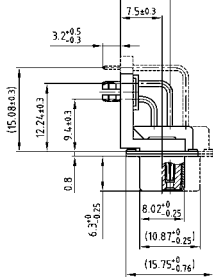
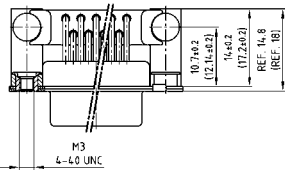
SOCKET CONNECTOR



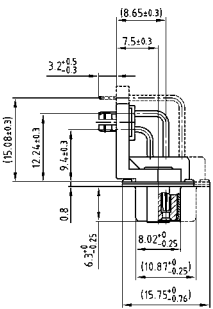
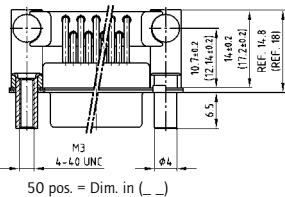
| No. of pos. | A -0.76 | B -0.25 | C                                       |
|-------------|---------|---------|-----------------------------------------|
| 09          | 31.19   | 16.46   | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> |
| 15          | 39.52   | 24.79   | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> |
| 25          | 53.42   | 38.50   | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> |
| 37          | 69.70   | 54.96   | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> |
| 50          | 67.31   | 52.55   | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> |

PCB layout: Kat1kGGA

Mounting style:  
PCB clip, threaded insert



Mounting style:  
PCB clip, front spacer



ORDER DATA

Capacitance 180 pF

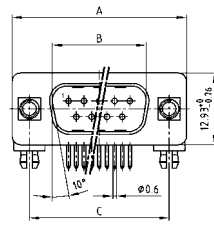
SOCKET CONNECTOR

| No. of pos. | Mounting style                      | Part Number   |
|-------------|-------------------------------------|---------------|
| 09          | PCB clip / 4-40 UNC Threaded insert | 242 A 21410 X |
| 15          | PCB clip / 4-40 UNC Threaded insert | 242 A 21420 X |
| 25          | PCB clip / 4-40 UNC Threaded insert | 242 A 21430 X |
| 37          | PCB clip / 4-40 UNC Threaded insert | 242 A 21440 X |
| 50          | PCB clip / 4-40 UNC Threaded insert | 242 A 27220 X |
| 09          | PCB clip / M3 Threaded insert       | 242 A 21570 X |
| 15          | PCB clip / M3 Threaded insert       | 242 A 21580 X |
| 25          | PCB clip / M3 Threaded insert       | 242 A 21590 X |
| 37          | PCB clip / M3 Threaded insert       | 242 A 21600 X |
| 50          | PCB clip / M3 Threaded insert       | 242 A 27260 X |
| 09          | PCB clip / 4-40 UNC Front spacer    | 242 A 22400 X |
| 15          | PCB clip / 4-40 UNC Front spacer    | 242 A 22410 X |
| 25          | PCB clip / 4-40 UNC Front spacer    | 242 A 22420 X |
| 37          | PCB clip / 4-40 UNC Front spacer    | 242 A 22430 X |
| 50          | PCB clip / 4-40 UNC Front spacer    | 242 A 27300 X |
| 09          | PCB clip / M3 Front spacer          | 242 A 22560 X |
| 15          | PCB clip / M3 Front spacer          | 242 A 22570 X |
| 25          | PCB clip / M3 Front spacer          | 242 A 22580 X |
| 37          | PCB clip / M3 Front spacer          | 242 A 22590 X |
| 50          | PCB clip / M3 Front spacer          | 242 A 27340 X |

DESCRIPTION

- Mounting styles:
  - Mounting bracket with PCB clip and 4-40 UNC or M3 threaded insert
  - Mounting bracket with PCB clip and 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

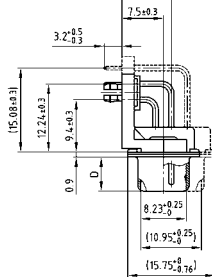
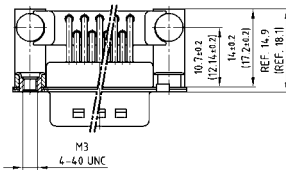
PLUG CONNECTOR



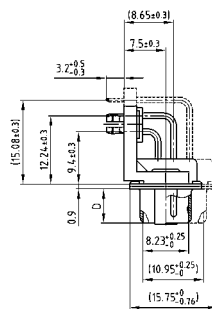
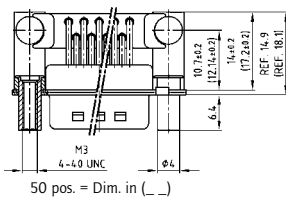
| No. of pos. | A -0.76 | B -0.25 | C                                       | D -0.3 |
|-------------|---------|---------|-----------------------------------------|--------|
| 09          | 31.19   | 16.79   | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 6.12   |
| 15          | 39.52   | 25.12   | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 6.12   |
| 25          | 53.42   | 38.84   | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 5.99   |
| 37          | 69.70   | 55.30   | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 5.99   |
| 50          | 67.31   | 52.68   | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 5.99   |

PCB layout: Kat1kGHA

Mounting style:  
PCB clip, threaded insert



Mounting style:  
PCB clip, front spacer



ORDER DATA

PLUG CONNECTOR

| No. of pos. | Mounting style                      | Part Number   |
|-------------|-------------------------------------|---------------|
| 09          | PCB clip / 4-40 UNC Threaded insert | 241 A 21560 X |
| 15          | PCB clip / 4-40 UNC Threaded insert | 241 A 21570 X |
| 25          | PCB clip / 4-40 UNC Threaded insert | 241 A 21580 X |
| 37          | PCB clip / 4-40 UNC Threaded insert | 241 A 21590 X |
| 50          | PCB clip / 4-40 UNC Threaded insert | 241 A 27320 X |
| 09          | PCB clip / M3 Threaded insert       | 241 A 21720 X |
| 15          | PCB clip / M3 Threaded insert       | 241 A 21730 X |
| 25          | PCB clip / M3 Threaded insert       | 241 A 21740 X |
| 37          | PCB clip / M3 Threaded insert       | 241 A 21750 X |
| 50          | PCB clip / M3 Threaded insert       | 241 A 27360 X |
| 09          | PCB clip / 4-40 UNC Front spacer    | 241 A 22500 X |
| 15          | PCB clip / 4-40 UNC Front spacer    | 241 A 22510 X |
| 25          | PCB clip / 4-40 UNC Front spacer    | 241 A 22520 X |
| 37          | PCB clip / 4-40 UNC Front spacer    | 241 A 22530 X |
| 50          | PCB clip / 4-40 UNC Front spacer    | 241 A 27400 X |
| 09          | PCB clip / M3 Front spacer          | 241 A 22660 X |
| 15          | PCB clip / M3 Front spacer          | 241 A 22670 X |
| 25          | PCB clip / M3 Front spacer          | 241 A 22680 X |
| 37          | PCB clip / M3 Front spacer          | 241 A 22690 X |
| 50          | PCB clip / M3 Front spacer          | 241 A 27440 X |

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370" / 9.4 mm – Precision machined contacts – Metal bracket

## ORDER DATA

### Capacitance 370 pF

| SOCKET CONNECTOR |                                     |               | PLUG CONNECTOR |                                     |               |
|------------------|-------------------------------------|---------------|----------------|-------------------------------------|---------------|
| No. of pos.      | Mounting style                      | Part Number   | No. of pos.    | Mounting style                      | Part Number   |
| 09               | PCB clip / 4-40 UNC Threaded insert | 242 A 21450 X | 09             | PCB clip / 4-40 UNC Threaded insert | 241 A 21600 X |
| 15               | PCB clip / 4-40 UNC Threaded insert | 242 A 21460 X | 15             | PCB clip / 4-40 UNC Threaded insert | 241 A 21610 X |
| 25               | PCB clip / 4-40 UNC Threaded insert | 242 A 21470 X | 25             | PCB clip / 4-40 UNC Threaded insert | 241 A 21620 X |
| 37               | PCB clip / 4-40 UNC Threaded insert | 242 A 21480 X | 37             | PCB clip / 4-40 UNC Threaded insert | 241 A 21630 X |
| 50               | PCB clip / 4-40 UNC Threaded insert | 242 A 27230 X | 50             | PCB clip / 4-40 UNC Threaded insert | 241 A 27330 X |
| 09               | PCB clip / M3 Threaded insert       | 242 A 21610 X | 09             | PCB clip / M3 Threaded insert       | 241 A 21760 X |
| 15               | PCB clip / M3 Threaded insert       | 242 A 21620 X | 15             | PCB clip / M3 Threaded insert       | 241 A 21770 X |
| 25               | PCB clip / M3 Threaded insert       | 242 A 21630 X | 25             | PCB clip / M3 Threaded insert       | 241 A 21780 X |
| 37               | PCB clip / M3 Threaded insert       | 242 A 21640 X | 37             | PCB clip / M3 Threaded insert       | 241 A 21790 X |
| 50               | PCB clip / M3 Threaded insert       | 242 A 27270 X | 50             | PCB clip / M3 Threaded insert       | 241 A 27370 X |
| 09               | PCB clip / 4-40 UNC Front spacer    | 242 A 22440 X | 09             | PCB clip / 4-40 UNC Front spacer    | 241 A 22540 X |
| 15               | PCB clip / 4-40 UNC Front spacer    | 242 A 22450 X | 15             | PCB clip / 4-40 UNC Front spacer    | 241 A 22550 X |
| 25               | PCB clip / 4-40 UNC Front spacer    | 242 A 22460 X | 25             | PCB clip / 4-40 UNC Front spacer    | 241 A 22560 X |
| 37               | PCB clip / 4-40 UNC Front spacer    | 242 A 22470 X | 37             | PCB clip / 4-40 UNC Front spacer    | 241 A 22570 X |
| 50               | PCB clip / 4-40 UNC Front spacer    | 242 A 27310 X | 50             | PCB clip / 4-40 UNC Front spacer    | 241 A 27410 X |
| 09               | PCB clip / M3 Front spacer          | 242 A 22600 X | 09             | PCB clip / M3 Front spacer          | 241 A 22700 X |
| 15               | PCB clip / M3 Front spacer          | 242 A 22610 X | 15             | PCB clip / M3 Front spacer          | 241 A 22710 X |
| 25               | PCB clip / M3 Front spacer          | 242 A 22620 X | 25             | PCB clip / M3 Front spacer          | 241 A 22720 X |
| 37               | PCB clip / M3 Front spacer          | 242 A 22630 X | 37             | PCB clip / M3 Front spacer          | 241 A 22730 X |
| 50               | PCB clip / M3 Front spacer          | 242 A 27350 X | 50             | PCB clip / M3 Front spacer          | 241 A 27450 X |

### Capacitance 830 pF

| SOCKET CONNECTOR |                                     |               | PLUG CONNECTOR |                                     |               |
|------------------|-------------------------------------|---------------|----------------|-------------------------------------|---------------|
| No. of pos.      | Mounting style                      | Part Number   | No. of pos.    | Mounting style                      | Part Number   |
| 09               | PCB clip / 4-40 UNC Threaded insert | 242 A 21490 X | 09             | PCB clip / 4-40 UNC Threaded insert | 241 A 21640 X |
| 15               | PCB clip / 4-40 UNC Threaded insert | 242 A 21500 X | 15             | PCB clip / 4-40 UNC Threaded insert | 241 A 21650 X |
| 25               | PCB clip / 4-40 UNC Threaded insert | 242 A 21510 X | 25             | PCB clip / 4-40 UNC Threaded insert | 241 A 21660 X |
| 37               | PCB clip / 4-40 UNC Threaded insert | 242 A 21520 X | 37             | PCB clip / 4-40 UNC Threaded insert | 241 A 21670 X |
| 50               | PCB clip / 4-40 UNC Threaded insert | 242 A 27240 X | 50             | PCB clip / 4-40 UNC Threaded insert | 241 A 27340 X |
| 09               | PCB clip / M3 Threaded insert       | 242 A 21650 X | 09             | PCB clip / M3 Threaded insert       | 241 A 21800 X |
| 15               | PCB clip / M3 Threaded insert       | 242 A 21660 X | 15             | PCB clip / M3 Threaded insert       | 241 A 21810 X |
| 25               | PCB clip / M3 Threaded insert       | 242 A 21670 X | 25             | PCB clip / M3 Threaded insert       | 241 A 21820 X |
| 37               | PCB clip / M3 Threaded insert       | 242 A 21680 X | 37             | PCB clip / M3 Threaded insert       | 241 A 21830 X |
| 50               | PCB clip / M3 Threaded insert       | 242 A 27280 X | 50             | PCB clip / M3 Threaded insert       | 241 A 27380 X |
| 09               | PCB clip / 4-40 UNC Front spacer    | 242 A 22480 X | 09             | PCB clip / 4-40 UNC Front spacer    | 241 A 22580 X |
| 15               | PCB clip / 4-40 UNC Front spacer    | 242 A 22490 X | 15             | PCB clip / 4-40 UNC Front spacer    | 241 A 22590 X |
| 25               | PCB clip / 4-40 UNC Front spacer    | 242 A 22500 X | 25             | PCB clip / 4-40 UNC Front spacer    | 241 A 22600 X |
| 37               | PCB clip / 4-40 UNC Front spacer    | 242 A 22510 X | 37             | PCB clip / 4-40 UNC Front spacer    | 241 A 22610 X |
| 50               | PCB clip / 4-40 UNC Front spacer    | 242 A 27320 X | 50             | PCB clip / 4-40 UNC Front spacer    | 241 A 27420 X |
| 09               | PCB clip / M3 Front spacer          | 242 A 22640 X | 09             | PCB clip / M3 Front spacer          | 241 A 22740 X |
| 15               | PCB clip / M3 Front spacer          | 242 A 22650 X | 15             | PCB clip / M3 Front spacer          | 241 A 22750 X |
| 25               | PCB clip / M3 Front spacer          | 242 A 22660 X | 25             | PCB clip / M3 Front spacer          | 241 A 22760 X |
| 37               | PCB clip / M3 Front spacer          | 242 A 22670 X | 37             | PCB clip / M3 Front spacer          | 241 A 22770 X |
| 50               | PCB clip / M3 Front spacer          | 242 A 27360 X | 50             | PCB clip / M3 Front spacer          | 241 A 27460 X |

### Capacitance 1300 pF

| SOCKET CONNECTOR |                                     |               | PLUG CONNECTOR |                                     |               |
|------------------|-------------------------------------|---------------|----------------|-------------------------------------|---------------|
| No. of pos.      | Mounting style                      | Part Number   | No. of pos.    | Mounting style                      | Part Number   |
| 09               | PCB clip / 4-40 UNC Threaded insert | 242 A 21530 X | 09             | PCB clip / 4-40 UNC Threaded insert | 241 A 21680 X |
| 15               | PCB clip / 4-40 UNC Threaded insert | 242 A 21540 X | 15             | PCB clip / 4-40 UNC Threaded insert | 241 A 21690 X |
| 25               | PCB clip / 4-40 UNC Threaded insert | 242 A 21550 X | 25             | PCB clip / 4-40 UNC Threaded insert | 241 A 21700 X |
| 37               | PCB clip / 4-40 UNC Threaded insert | 242 A 21560 X | 37             | PCB clip / 4-40 UNC Threaded insert | 241 A 21710 X |
| 50               | PCB clip / 4-40 UNC Threaded insert | 242 A 27250 X | 50             | PCB clip / 4-40 UNC Threaded insert | 241 A 27350 X |
| 09               | PCB clip / M3 Threaded insert       | 242 A 21690 X | 09             | PCB clip / M3 Threaded insert       | 241 A 21840 X |
| 15               | PCB clip / M3 Threaded insert       | 242 A 21700 X | 15             | PCB clip / M3 Threaded insert       | 241 A 21850 X |
| 25               | PCB clip / M3 Threaded insert       | 242 A 21710 X | 25             | PCB clip / M3 Threaded insert       | 241 A 21860 X |
| 37               | PCB clip / M3 Threaded insert       | 242 A 21720 X | 37             | PCB clip / M3 Threaded insert       | 241 A 21870 X |
| 50               | PCB clip / M3 Threaded insert       | 242 A 27290 X | 50             | PCB clip / M3 Threaded insert       | 241 A 27390 X |
| 09               | PCB clip / 4-40 UNC Front spacer    | 242 A 22520 X | 09             | PCB clip / 4-40 UNC Front spacer    | 241 A 22620 X |
| 15               | PCB clip / 4-40 UNC Front spacer    | 242 A 22530 X | 15             | PCB clip / 4-40 UNC Front spacer    | 241 A 22630 X |
| 25               | PCB clip / 4-40 UNC Front spacer    | 242 A 22540 X | 25             | PCB clip / 4-40 UNC Front spacer    | 241 A 22640 X |
| 37               | PCB clip / 4-40 UNC Front spacer    | 242 A 22550 X | 37             | PCB clip / 4-40 UNC Front spacer    | 241 A 22650 X |
| 50               | PCB clip / 4-40 UNC Front spacer    | 242 A 27330 X | 50             | PCB clip / 4-40 UNC Front spacer    | 241 A 27430 X |
| 09               | PCB clip / M3 Front spacer          | 242 A 22680 X | 09             | PCB clip / M3 Front spacer          | 241 A 22780 X |
| 15               | PCB clip / M3 Front spacer          | 242 A 22690 X | 15             | PCB clip / M3 Front spacer          | 241 A 22790 X |
| 25               | PCB clip / M3 Front spacer          | 242 A 22700 X | 25             | PCB clip / M3 Front spacer          | 241 A 22800 X |
| 37               | PCB clip / M3 Front spacer          | 242 A 22710 X | 37             | PCB clip / M3 Front spacer          | 241 A 22810 X |
| 50               | PCB clip / M3 Front spacer          | 242 A 27370 X | 50             | PCB clip / M3 Front spacer          | 241 A 27470 X |

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness