

# SMS – Quick mating



## Quick mating panel and cable connectors

### Description

The versatile “SMS” Quick mating panel and cable connectors are a highly cost-effective system approach to solving the constant demand for more cost effective interconnection techniques.

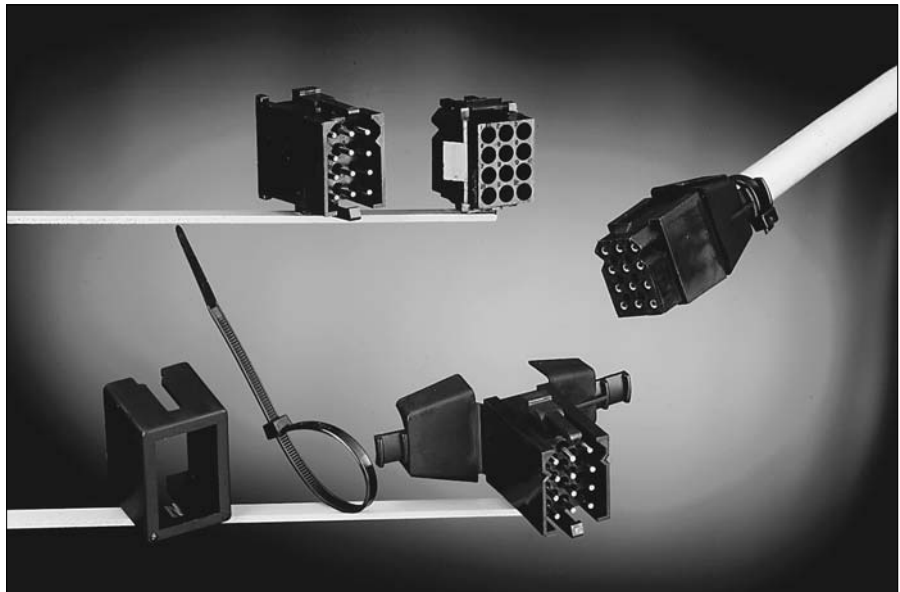
It is a range of multiway connectors using N° 16 TRIM TRIO .0625” (1.6mm) diameter contacts and available in 10 contact arrangements from 2 to 36 positions. Having no additional hardware, Panel receptacle connectors snap and lock into panel cutouts and cable plugs quick connect and disconnect with positive retention locks.

Cable plug connectors also feature pin-protection skirts, positive polarisation and can be supplied with or without integrated strain relief hoods.

Cable receptacle connectors (only with integrated strain relief hoods) are developed to mate with cable plug connectors thus offering solutions for cable to cable applications.

### Features and benefits

- Available in 10 contact arrangements.
- Self mountable panel receptacle with positive housing retention.
- Cable plugs with retaining latches for positive locking.
- Cable plug has pin protection skirt to prevent damage of male contacts
- Positive polarization keys prevent mismatching.
- Cable plug and receptacle have integrated strain relief hood which can take a wide range of cables.
- Cable plug and receptacle have discrimination cavities in between contact cavities, thus offering discrimination without contact loss.
- UL recognized File Nr.: E238675



### Performance characteristics

|                        |                            |
|------------------------|----------------------------|
| Operating temperature: | -55°C to +105°C            |
| Insulation resistance: | 5000 MΩ min.               |
| Test potential:        | 2000 VAC                   |
| Durability:            | 500 matings and unmatings. |

### Construction

|                       |               |
|-----------------------|---------------|
| Material :            | Polyamide 6.6 |
| Flammability rating : | UL94-V2       |

### Contact accommodation

- “SMS” Quick mating connectors accept TRIM TRIO size 16 removable snap-lock contacts (see contact section)
- Contacts to be ordered separately.

## How to order

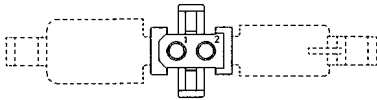
| Connector family    |       | SMS                                                 | 12 | PDH1 |
|---------------------|-------|-----------------------------------------------------|----|------|
|                     |       | SMS                                                 | 12 | P1   |
| Contact arrangement |       |                                                     |    |      |
| Body variation:     | R1:   | Panel mount receptacle                              |    |      |
|                     | P1:   | Cable plug without strain relief hood               |    |      |
|                     | PDH1: | Cable plug with integrated strain relief hood       |    |      |
|                     | RDH1: | Cable receptacle with integrated strain relief hood |    |      |

# SMS – Quick mating

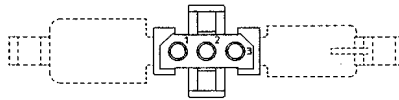


## Contact arrangements for cable plug connectors (SMS--P1 and SMS--PDH1)

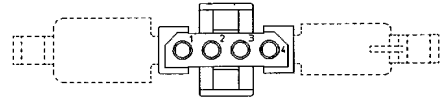
SMS2P (DH) 1



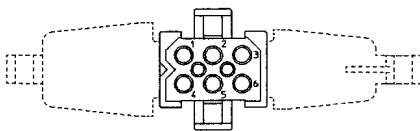
SMS3P (DH) 1



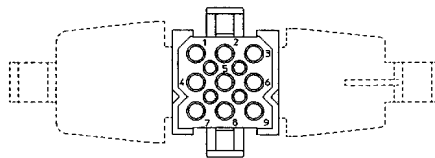
SMS4P (DH) 1



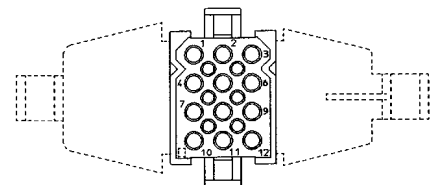
SMS6P (DH) 1



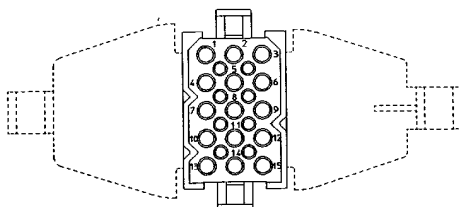
SMS9P (DH) 1



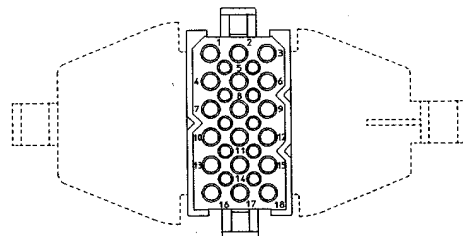
SMS12P (DH) 1



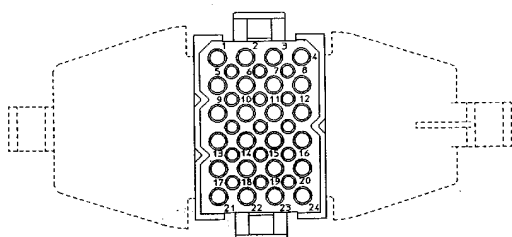
SMS15P (DH) 1



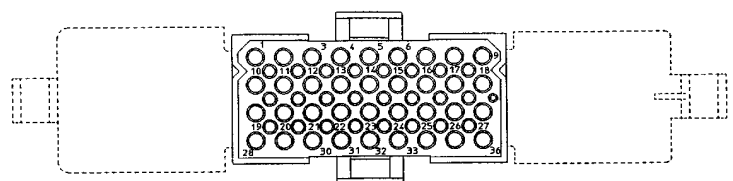
SMS18P (DH) 1



SMS24P (DH) 1



SMS36P (DH) 1



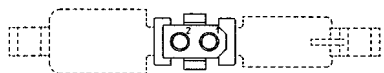
Contact identifications shown are for mating face. Contact identifications of wiring face are identical as shown on the receptacle arrangements

# SMS – Quick mating

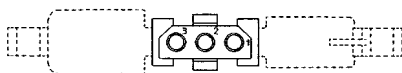


## Contact arrangements for cable and panel mount receptacle connectors (SMS–R1 and SMS–RDH1)

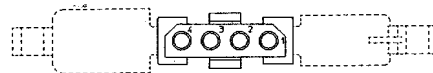
SMS2R (DH) 1



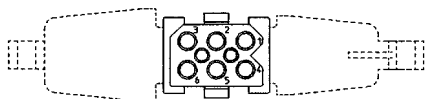
SMS3R (DH) 1



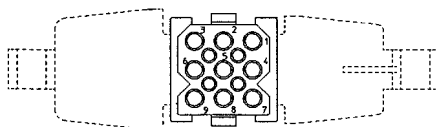
SMS4R (DH) 1



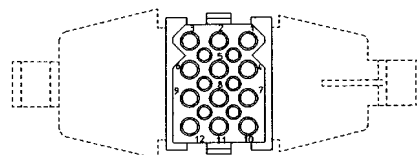
SMS6R (DH) 1



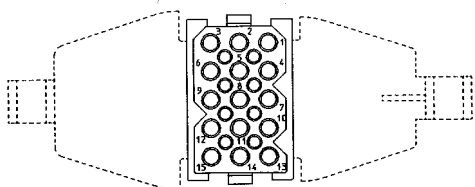
SMS9R (DH) 1



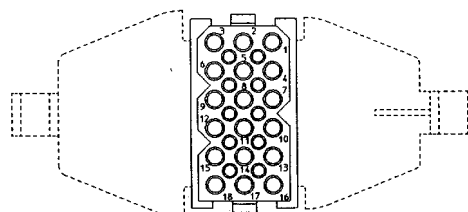
SMS12R (DH) 1



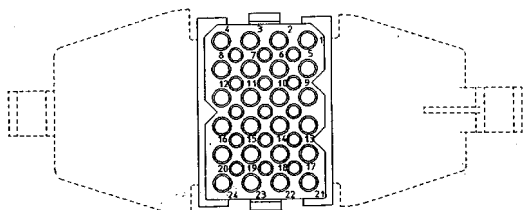
SMS15R (DH) 1



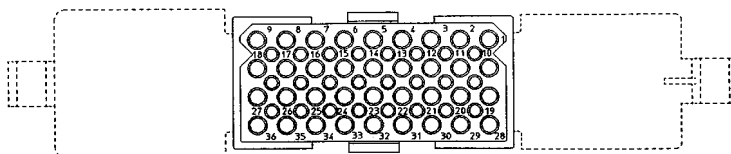
SMS18R (DH) 1



SMS24R (DH) 1



SMS36R (DH) 1



Contact identifications shown are for mating face. Contact identifications of wiring face are identical as shown on the plug arrangements

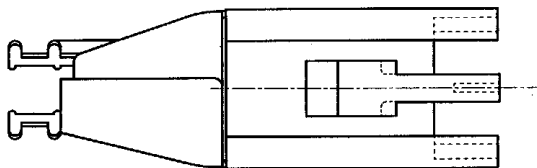
# SMS – Quick mating



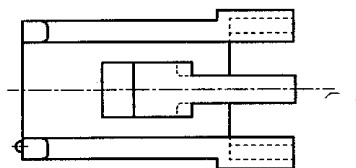
## SMS - Standard Quick mating intermateability chart

### INTERMATEABILITY

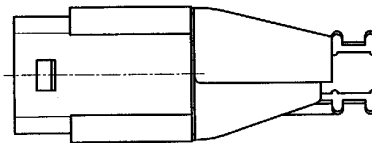
SMS--PDH1  
(PLUG WITH MOULDED  
ON CABLE HOODS)



SMS--P1  
(PLUG WITHOUT MOULDED  
ON CABLE HOODS)



SMS--RDH1  
(RECEPTACLE WITH MOULDED  
ON CABLE HOODS)

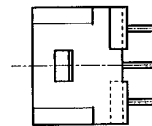


STRAIGHT BOARDMOUNT  
FEMALE

SMS--GE3 MACHINED CONTACT  
SMS--R/SE3 STAMPED CONTACT

MALE

SMS--GE4 MACHINED CONTACT  
SMS--R/SE4 STAMPED CONTACT

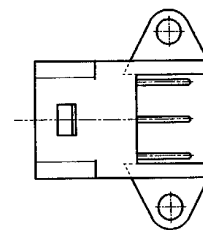


RIGHT ANGLE BOARDMOUNT  
FEMALE

SMS--GE5 MACHINED CONTACT  
SMS--SE5 STAMPED CONTACT

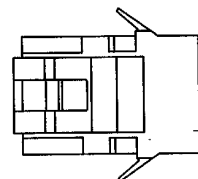
MALE

SMS--GE6 MACHINED CONTACT  
SMS--SE6 STAMPED CONTACT



(ONLY IN SIZES  
3, 6, 12 AND 18)

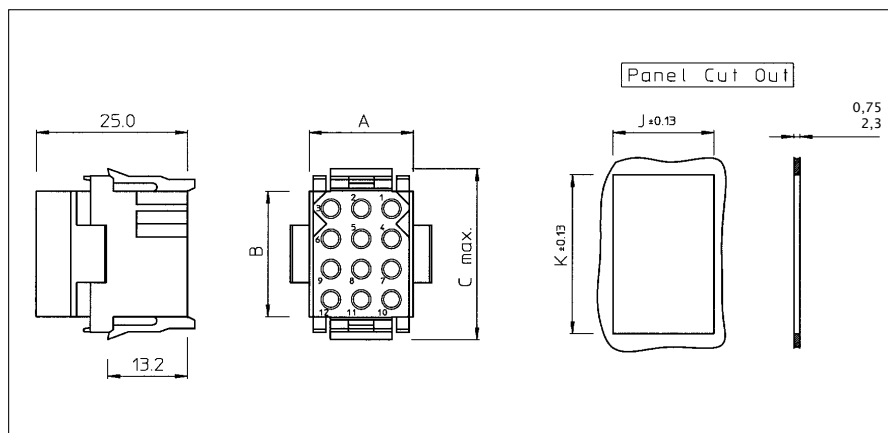
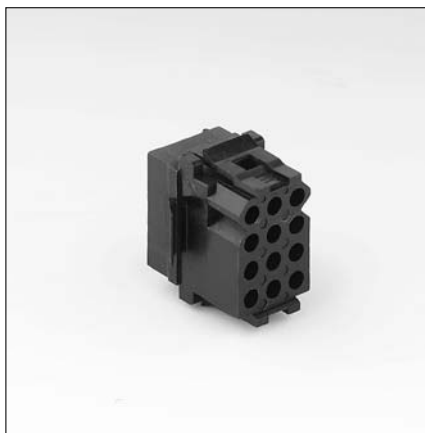
SMS--R-1  
(PANEL MOUNT  
RECEPTACLE)



# SMS – Quick mating

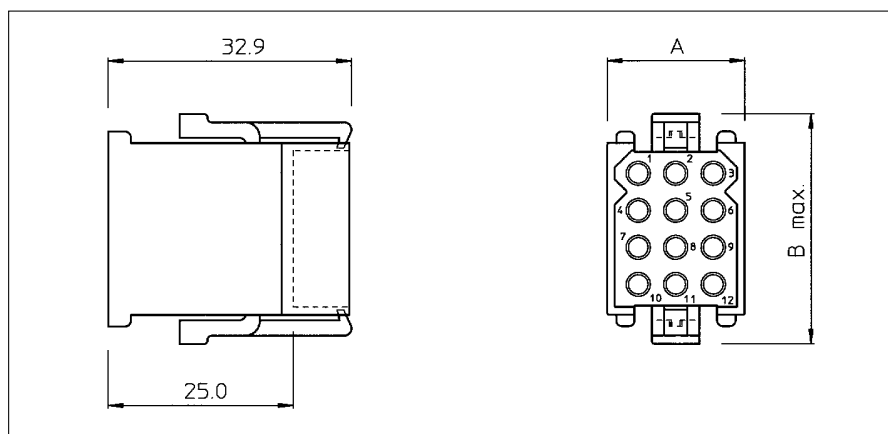


## Panel mount receptacle (SMS--R1)



| Part number | Number of contact pos. | A    | B    | C max. | J $\pm 0.13$ | K $\pm 0.13$ |
|-------------|------------------------|------|------|--------|--------------|--------------|
| SMS2R1      | 2                      | 11.0 | 5.8  | 15.2   | 11.4         | 11.6         |
| SMS3R1      | 3                      | 16.2 |      |        | 16.5         |              |
| SMS4R1      | 4                      | 21.2 |      |        | 21.7         |              |
| SMS6R1      | 6                      | 16.2 | 10.9 | 20.3   | 16.5         | 16.7         |
| SMS9R1      | 9                      |      | 16.0 | 25.4   | 16.7         | 21.6         |
| SMS12R1     | 12                     |      | 21.1 | 30.5   |              | 26.7         |
| SMS15R1     | 15                     |      | 26.2 | 35.6   |              | 31.8         |
| SMS18R1     | 18                     |      | 31.2 | 40.6   |              | 36.9         |
| SMS24R1     | 24                     | 21.2 | 21.1 | 30.5   | 21.7         | 26.7         |
| SMS36R1     | 36                     | 46.6 |      |        | 47.1         |              |

## Cable plug without strain relief hood (SMS--P1)

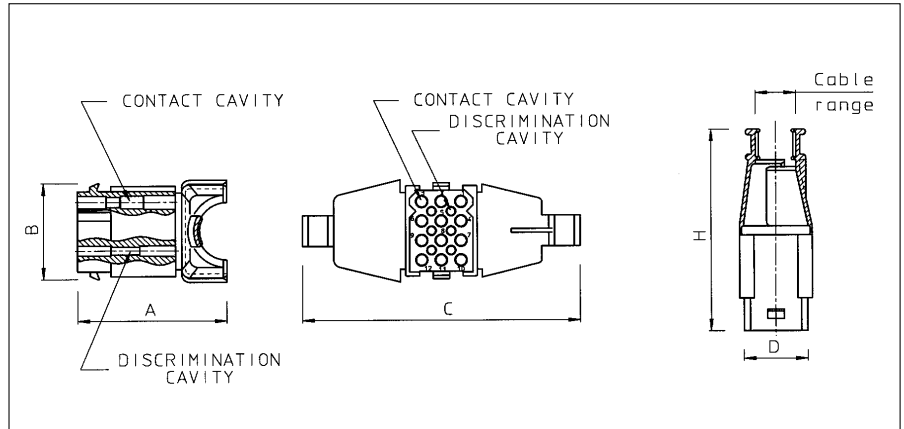


| Part number | Number of contact pos. | A    | C max. |
|-------------|------------------------|------|--------|
| SMS2P1      | 2                      | 15.0 | 17.8   |
| SMS3P1      | 3                      | 18.6 |        |
| SMS4P1      | 4                      | 23.7 |        |
| SMS6P1      | 6                      | 18.6 | 22.9   |
| SMS9P1      | 9                      |      | 27.9   |
| SMS12P1     | 12                     |      | 33.0   |
| SMS15P1     | 15                     |      | 38.1   |
| SMS18P1     | 18                     |      | 43.2   |
| SMS24P1     | 24                     | 23.7 | 33.0   |
| SMS36P1     | 36                     | 49.1 |        |

# SMS – Quick mating

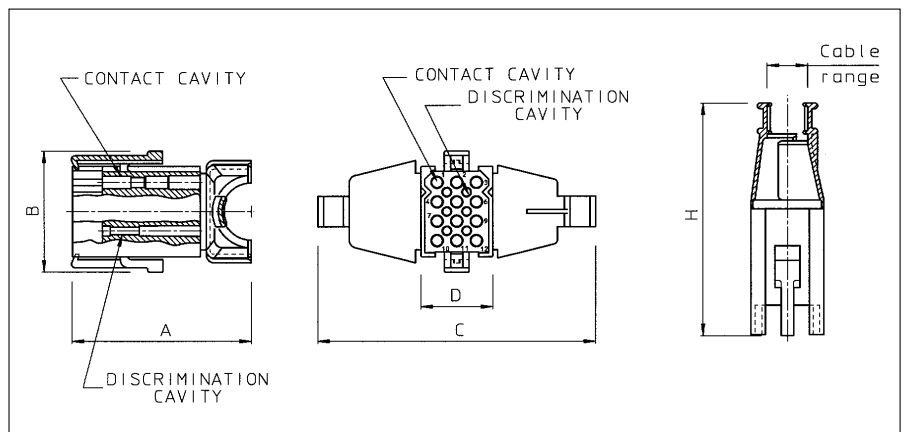


## Cable receptacle with integrated strain relief hood ( SMS--RDH1 )



| Part number<br>contact | Number of<br>disrimi-<br>pos. | Number of<br>nation pos. | A    | B    | C     | D    | H    | Cable<br>range | Recommen-<br>ded unrap<br>cable tie |
|------------------------|-------------------------------|--------------------------|------|------|-------|------|------|----------------|-------------------------------------|
| SMS2RDH1               | 2                             | 0                        | 31.6 | 9.9  | 64.8  | 11.1 | 49.2 | 0.5 - 8.4      | TF4D                                |
| SMS3RDH1               | 3                             | 0                        | 35.1 |      | 69.0  | 16.2 |      | 0.8 - 7.3      |                                     |
| SMS4RDH1               | 4                             | 0                        | 38.2 |      | 74.4  | 21.2 |      | 1.5 - 10.0     |                                     |
| SMS6RDH1               | 6                             | 2                        | 34.6 | 15.0 | 72.6  | 16.2 | 50.9 | 1.7 - 9.2      | TF5D                                |
| SMS9RDH1               | 9                             | 4                        | 35.8 | 20.0 | 75.3  |      | 52.2 | 3.9 - 14.3     |                                     |
| SMS12RDH1              | 12                            | 6                        | 38.1 | 25.1 | 72.0  |      | 52.7 | 4.0 - 15.0     |                                     |
| SMS15RDH1              | 15                            | 8                        | 35.9 | 30.2 | 81.3  |      | 55.2 | 5.0 - 16.2     |                                     |
| SMS18RDH1              | 18                            | 10                       | 36.1 | 35.3 |       |      |      | 5.8 - 20.3     |                                     |
| SMS24RDH1              | 24                            | 15                       | 39.7 |      | 90.4  | 21.2 | 57.2 | 7.1 - 20.4     |                                     |
| SMS36RDH1              | 36                            | 24                       | 54.6 | 25.1 | 128.0 | 46.6 | 63.3 | 8.8 - 24.5     |                                     |

## Cable plug with integrated strain relief hood ( SMS--PDH1 )



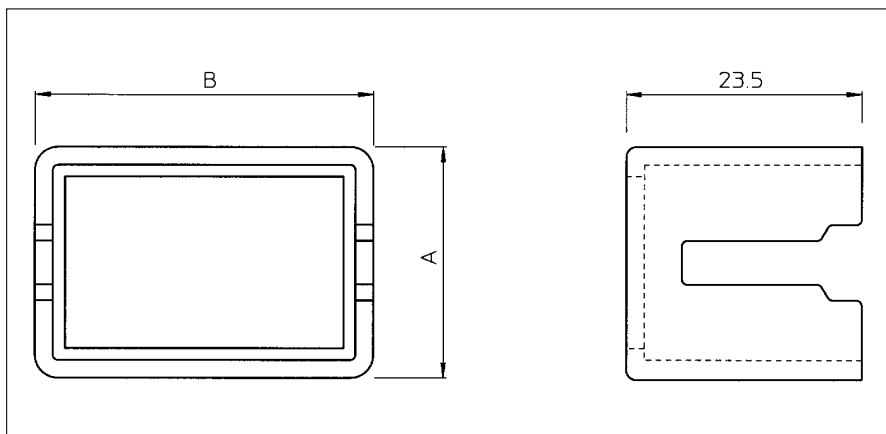
| Part number<br>contact | Number of<br>disrimi-<br>pos. | Number of<br>nation pos. | A    | B    | C     | D    | H    | Cable<br>range | Recommen-<br>ded unirap<br>cable tie |
|------------------------|-------------------------------|--------------------------|------|------|-------|------|------|----------------|--------------------------------------|
| SMS2PDH1               | 2                             | 0                        | 39.5 | 16.4 | 64.8  | 14.1 | 57.1 | 0.5 - 8.4      | TF4D                                 |
| SMS3PDH1               | 3                             | 0                        | 43.0 |      | 69.0  | 18.6 |      | 0.8 - 7.3      |                                      |
| SMS4PDH1               | 4                             | 0                        | 46.1 |      | 74.4  | 23.7 |      | 1.5 - 10.0     |                                      |
| SMS6PDH1               | 6                             | 2                        | 42.5 | 21.5 | 72.6  | 18.6 | 58.8 | 1.7 - 9.2      | TF5D                                 |
| SMS9PDH1               | 9                             | 4                        | 43.7 | 26.7 | 75.3  |      | 60.1 | 3.9 - 14.3     |                                      |
| SMS12PDH1              | 12                            | 6                        | 46.0 | 31.7 | 72.0  |      | 60.6 | 4.0 - 15.0     |                                      |
| SMS15PDH1              | 15                            | 8                        | 43.8 | 36.7 | 81.3  |      | 63.1 | 5.0 - 16.2     |                                      |
| SMS18PDH1              | 18                            | 10                       | 44.0 | 41.8 |       |      |      | 5.8 - 20.3     |                                      |
| SMS24PDH1              | 24                            | 15                       | 47.6 | 31.7 | 90.4  | 23.7 | 65.1 | 7.1 - 20.4     |                                      |
| SMS36PDH1              | 36                            | 24                       | 62.5 |      | 128.0 | 49.1 | 71.2 | 8.8 - 24.5     |                                      |

# SMS – Quick mating



## Accessories for standard Quick mating connectors

### Pin protection shroud for panel mount receptacle (SMS--CSB1)



When pins are inserted into the panelmount receptacle half (SMS--R1) of the Quick mating connector, an optional pin protection shroud can be installed. The shroud is mounted at the same time as the receptacle by holding the shroud against the mating side of the panel with both cutouts lined up. The receptacle is then inserted in place, trapping the shroud between the receptacle and panel. The use of the pin protection shroud reduces the allowable thickness of the panel from 2.3 to 1.6 mm max.

| Part number      | Number of contact positions | A    | B    |
|------------------|-----------------------------|------|------|
| <b>SMS2CSB1</b>  | <b>2</b>                    | 19.8 | 18.8 |
| <b>SMS3CSB1</b>  | <b>3</b>                    | 23.4 |      |
| <b>SMS4CSB1</b>  | <b>4</b>                    | 28.4 |      |
| <b>SMS6CSB1</b>  | <b>6</b>                    | 23.4 | 23.9 |
| <b>SMS9CSB1</b>  | <b>9</b>                    |      | 29.0 |
| <b>SMS12CSB1</b> | <b>12</b>                   |      | 34.0 |
| <b>SMS15CSB1</b> | <b>15</b>                   |      | 39.1 |
| <b>SMS18CSB1</b> | <b>18</b>                   |      | 44.2 |
| <b>SMS24CSB1</b> | <b>24</b>                   | 28.4 |      |
| <b>SMS36CSB1</b> | <b>36</b>                   | 54.1 | 34.0 |

### Strain relief hoods (SMS--H1)



Separate strain relief hoods are available for all standard plugs SMS--P1. The hoods consist of identical halves that snap into position on the plug and are secured in place with the cable tie drawn tightly around the cable entry collar. Catalog numbers designate a complete hood (2 halves) SMS--H1. The cable tie is not included (TF4D – TF5D). Two three and four position hoods are single piece units.

### Discrimination pins

For discrimination pins on both standard Quick mating and Quick mating Pin Headers cable and boardmount. See accessories section.

## SMS – Quick mating



## Notes

[illegible]



# SMS – Boardmount Quick mating



## Quick mating PC-boardmount connectors

### Description

These PC boardmount connectors enable Quick mating and preassembled TRIM TRIO contacts to be PC board mounted, using conventional solder production techniques. They will then mate and latch with the standard Quick mating plugs.

Straight boardmount Quick mating is available in 10 insert arrangements from 2 to 36 positions.

Right-angled boardmount Quick mating is available in 3, 6, 12 and 18 positions.

All boardmount connectors are supplied fully loaded with pin or socket contacts, either in solid machined or stamped and formed contacts.

Stamped and formed contact have selective tin plating on the solder tails, thus eliminating flux operations.

### Features and benefits

- Straight versions available in 10 contact arrangements from 2 to 36 positions
- Right-angled versions available in 3, 6, 12 and 18 positions.
- All versions are available with:
  - Pin or socket contacts
  - Stamped and formed or solid machined contacts.
- Some boardmount connectors have discrimination cavities in between contact cavities, thus offering discrimination without contact loss.
- UL recognized File Nr.: E238675



### Performance characteristics

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Operating temperature: | -55°C to +125°C                                             |
| Insulation resistance: | 5000 MΩ min.                                                |
| Test potential:        | 2000 VAC                                                    |
| Current rating:        | 5 Amp for stamped contacts<br>7.5 Amp for machined contacts |
| Durability:            | 500 matings and unmatings.                                  |

### Construction

|                 |                                  |
|-----------------|----------------------------------|
| Connector body: | Glass filled thermoplast UL94-V0 |
| Contacts:       | High conductive copper alloy     |

### Plating table

Plating for solid machined contacts:

**No digit (std)** = Min. 0.4μ Gold all over, over Nickel.

T = 3 - 5μ Tin all over

Plating for Stamped and formed contacts :

**K9 (std)** = Min. 0.4μ Gold in contact area, 3 - 5μ Tin on solder tail.

T = 3 - 5μ Tin all over

### Intermateability

- "SMS" Quick mating boardmount connectors with preassembled TRIM TRIO size 16 boardmount contacts are intermateable only with the "SMS" Quick mating cable plug connectors equipped with TRIM TRIO crimp type removable snap-lock contacts (see contact section)

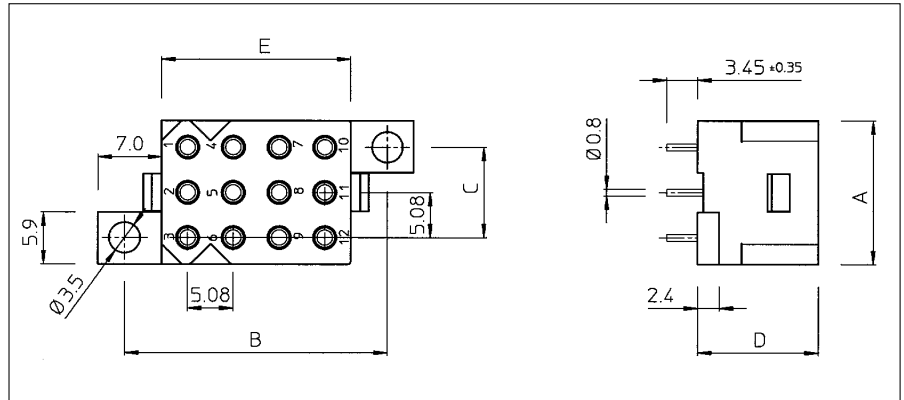
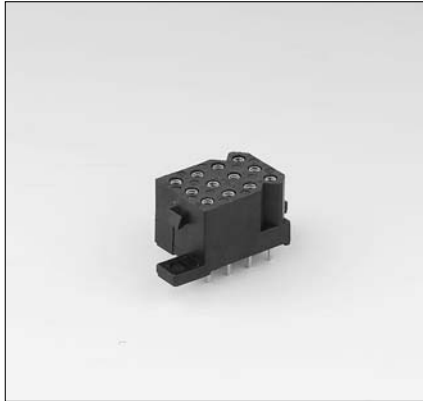
## How to order

| Connector family    |                                                                                                                                                                                            | SMS | 12 | GE | 3 | –<br>K9 |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|---|---------|
|                     |                                                                                                                                                                                            | SMS | 12 | SE | 3 |         |
| Contact arrangement |                                                                                                                                                                                            |     |    |    |   |         |
| Contact type:       | GE: Solid machined contacts<br>SE: Stamped and formed contacts                                                                                                                             |     |    |    |   |         |
| Design variation:   | 3: Straight boardmount with female contacts<br>4: Straight boardmount with male contacts<br>5: Right angle boardmount with female contacts<br>6: Right angle boardmount with male contacts |     |    |    |   |         |
| Plating indication  |                                                                                                                                                                                            |     |    |    |   |         |

# SMS – Boardmount Quick mating



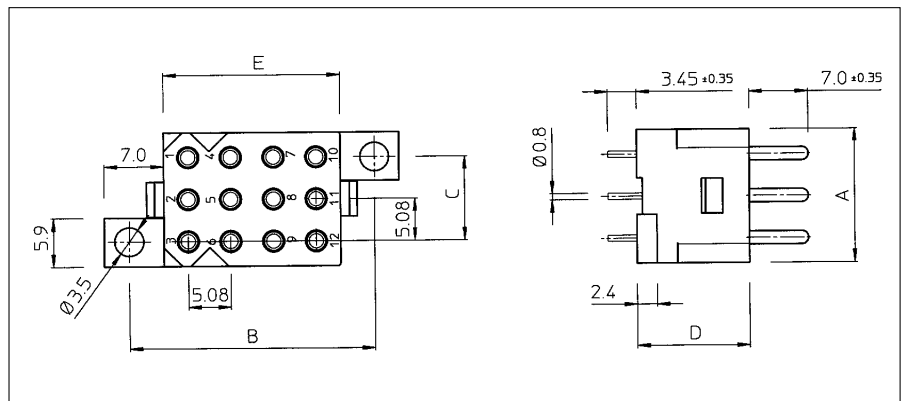
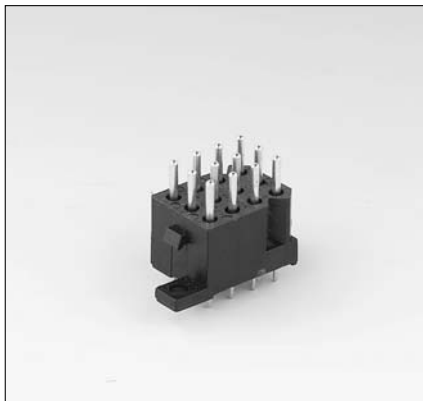
## Straight boardmount with female contacts (SMS--GE3 / SMS--SE3K9)



| Part number<br>Solid machined<br>contacts | Part number<br>Stamped and<br>formed contacts | Number of<br>contact pos. | Number of<br>discrimination<br>pos. | A    | B    | C    | D    | E    |
|-------------------------------------------|-----------------------------------------------|---------------------------|-------------------------------------|------|------|------|------|------|
| SMS2GE3                                   | SMS2SE3K9                                     | 2                         | 0                                   | 11.0 | -    | 19.1 | 13.4 | 5.9  |
| SMS3GE3                                   | SMS3SE3K9                                     | 3                         | 0                                   | 16.2 | 14.0 | 10.2 |      |      |
| SMS4GE3                                   | SMS4SE3K9                                     | 4                         | 0                                   | 21.3 |      | 15.2 |      |      |
| SMS6GE3                                   | SMS6SE3K9                                     | 6                         | 0                                   | 16.2 | 19.2 | 10.2 |      | 10.9 |
| SMS9GE3                                   | SMS9SE3K9                                     | 9                         | 4                                   |      | 24.2 |      |      | 16.0 |
| SMS12GE3                                  | SMS12SE3K9                                    | 12                        | 0                                   |      | 29.2 |      |      | 21.1 |
| SMS15GE3                                  | SMS15SE3K9                                    | 15                        | 8                                   |      | 34.3 |      |      | 26.1 |
| SMS18GE3                                  | SMS18SE3K9                                    | 18                        | 10                                  |      | 39.4 |      |      | 31.2 |
| SMS24GE3                                  | SMS24SE3K9                                    | 24                        | 0                                   | 21.2 | 15.2 | 20.9 |      |      |
| SMS36GE3                                  | SMS36SE3K9                                    | 36                        | 0                                   | 46.5 | 15.2 |      | 54.6 |      |

For other platings: see plating table

## Straight boardmount with male contacts (SMS--GE4 / SMS--SE4K9)

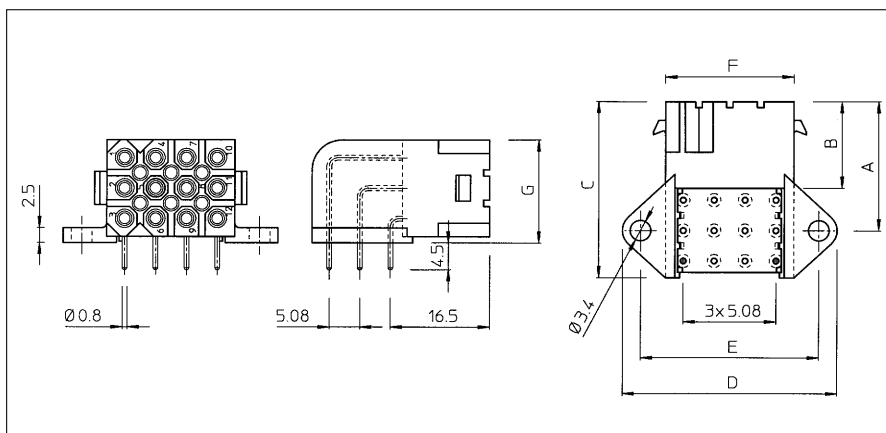


| Part number<br>Solid machined<br>contacts | Part number<br>Stamped and<br>formed contacts | Number of<br>contact pos. | Number of<br>discrimination<br>pos. | A    | B    | C    | D    | E    |
|-------------------------------------------|-----------------------------------------------|---------------------------|-------------------------------------|------|------|------|------|------|
| SMS2GE4                                   | SMS2SE4K9                                     | 2                         | 0                                   | 11.1 | -    | 19.1 | 13.4 | 5.9  |
| SMS3GE4                                   | SMS3SE4K9                                     | 3                         | 0                                   | 16.2 | 14.0 | 10.2 |      |      |
| SMS4GE4                                   | SMS4SE4K9                                     | 4                         | 0                                   | 21.3 |      | 15.2 |      |      |
| SMS6GE4                                   | SMS6SE4K9                                     | 6                         | 0                                   | 16.2 | 19.2 | 10.2 |      | 10.9 |
| SMS9GE4                                   | SMS9SE4K9                                     | 9                         | 4                                   |      | 24.2 |      |      | 16.0 |
| SMS12GE4                                  | SMS12SE4K9                                    | 12                        | 0                                   |      | 29.2 |      |      | 21.1 |
| SMS15GE4                                  | SMS15SE4K9                                    | 15                        | 8                                   |      | 34.3 |      |      | 26.1 |
| SMS18GE4                                  | SMS18SE4K9                                    | 18                        | 10                                  |      | 39.4 |      |      | 31.2 |
| SMS24GE4                                  | SMS24SE4K9                                    | 24                        | 0                                   | 21.2 | 15.2 | 20.9 |      |      |
| SMS36GE4                                  | SMS36SE4K9                                    | 36                        | 0                                   | 46.5 | 15.2 |      | 54.6 |      |

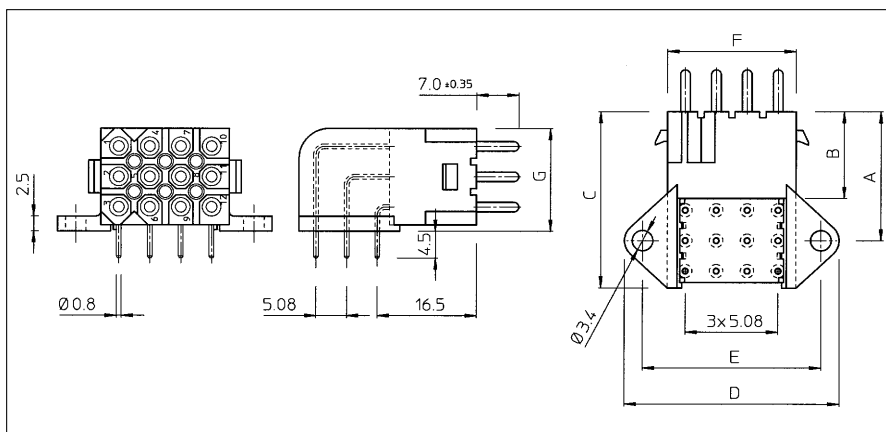
For other platings: see plating table



## A black plastic electrical connector with a 3x4 grid of pins. The connector has a rectangular body with a slightly raised front edge. The pins are arranged in three rows and four columns. The top row has four pins, the middle row has four pins, and the bottom row has four pins. The connector is shown from a side-on perspective, highlighting its profile and the arrangement of the pins.



For other platings: see plating table

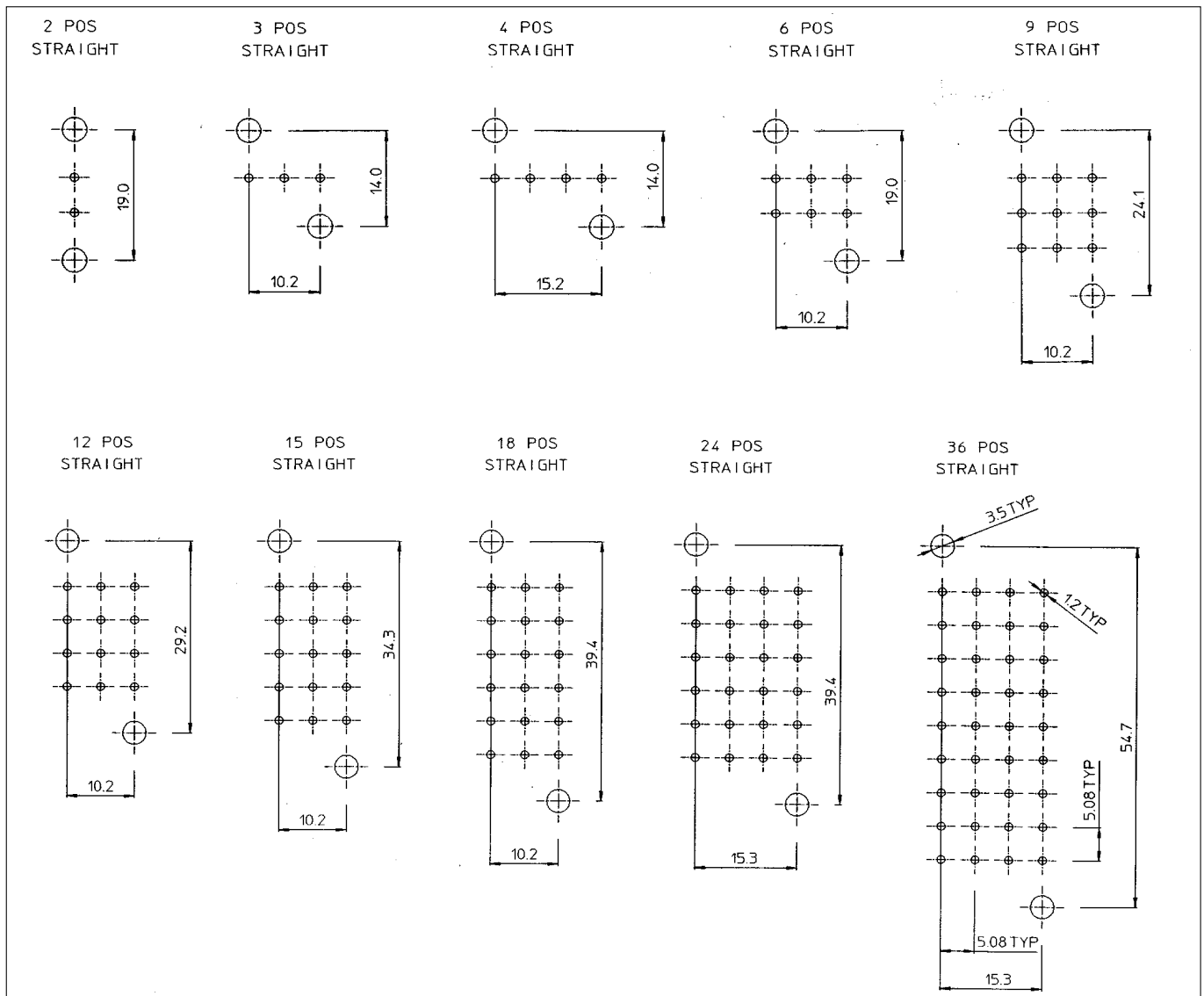


For other platings: see plating table

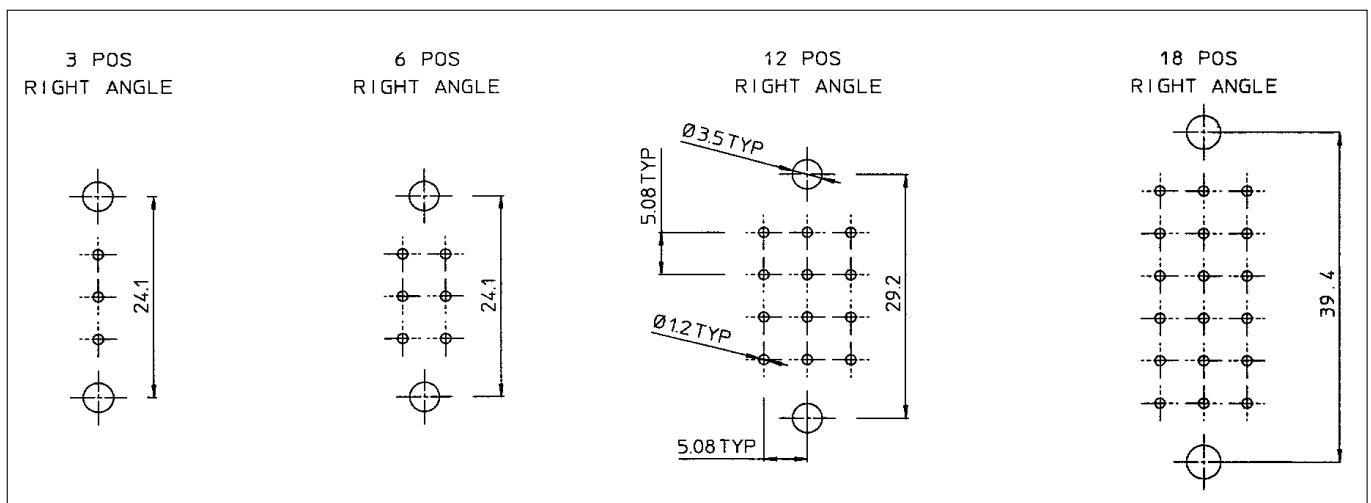
# SMS – Boardmount Quick mating



## Recommended PC-Board hole lay out for straight male and female boardmount connectors



## Recommended PC-Board hole lay out for right-angled male and female boardmount connectors

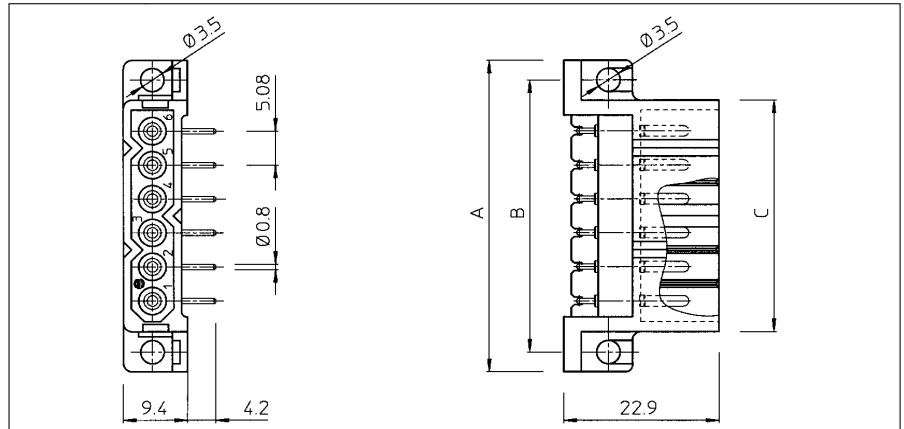


|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |          |           |          |             |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|-----------|----------|-------------|
| <b>Connector family</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>SMS</b> | <b>9</b> | <b>PH</b> | <b>3</b> | <b>TR29</b> |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>SMS</b> | <b>9</b> | <b>CH</b> | <b>1</b> | <b>Z17</b>  |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>SMS</b> | <b>9</b> | <b>P3</b> | <b>–</b> | <b>–</b>    |
| <b>Contact arrangement</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |          |           |          |             |
| <b>Contact type:</b>       | <b>PH:</b> Pin header boardmount.<br><b>CH:</b> Coax header boardmount.<br><b>P3:</b> Socket cable plug for pin and coax boardmount header.                                                                                                                                                                                                                                                                                              |            |          |           |          |             |
| <b>Design variation:</b>   | <b>1:</b> Right angle coax header boardmount with male contacts.<br><b>2:</b> Straight coax header boardmount with male contacts<br><b>3:</b> Right angle pin header boardmount with stamped male contacts<br><b>4:</b> Straight pin header boardmount with stamped male contacts<br><b>GE6:</b> Right angle pin header boardmount with machined male contacts<br><b>GE4:</b> Straight pin header boardmount with machined male contacts |            |          |           |          |             |
| <b>Plating indication</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |          |           |          |             |

# SMS – Quick mating Pin Header



## Right angle pin header boardmount with male contacts (SMS--PH3 / SMS--PHGE6)

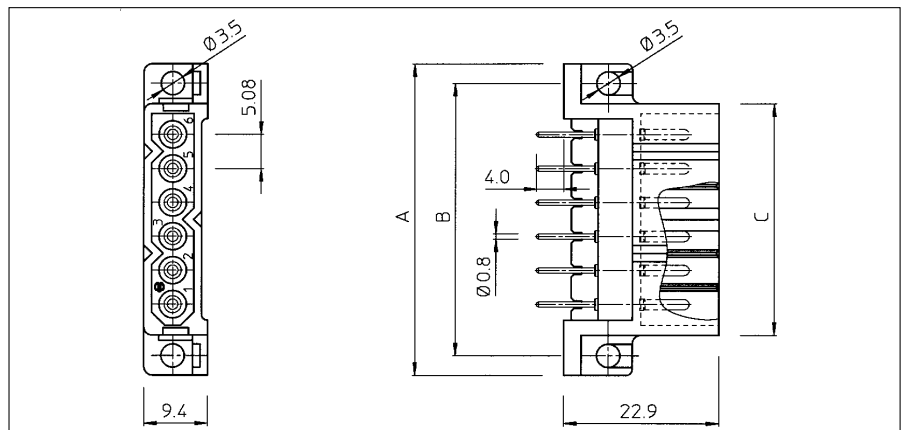


| Part number<br>Stamped and<br>formed contacts | Part number<br>Solid machined<br>contacts | Number of<br>contact<br>positions | A    | B    | C    |
|-----------------------------------------------|-------------------------------------------|-----------------------------------|------|------|------|
| SMS3PH3TR29                                   | SMS3PHGE6                                 | 3                                 | 31.2 | 25.4 | 19.3 |
| SMS4PH3TR29                                   | SMS4PHGE6                                 | 4                                 | 36.3 | 30.4 | 24.4 |
| SMS6PH3TR29                                   | SMS6PHGE6                                 | 6                                 | 46.5 | 40.6 | 34.5 |
| SMS9PH3TR29                                   | SMS9PHGE6                                 | 9                                 | 61.7 | 55.9 | 49.8 |
| SMS10PH3TR29                                  | SMS10PHGE6                                | 10                                | 66.8 | 61.0 | 54.9 |

For other platings: see plating table.

Other solder tail lengths on request

## Straight pin header boardmount with male contacts (SMS--PH4 / SMS--PHGE4)



| Part number<br>Stamped and<br>formed contacts | Part number<br>Solid machined<br>contacts | Number of<br>contact<br>positions | A    | B    | C    |
|-----------------------------------------------|-------------------------------------------|-----------------------------------|------|------|------|
| SMS3PH4TR29                                   | SMS3PHGE4                                 | 3                                 | 31.2 | 25.4 | 19.3 |
| SMS4PH4TR29                                   | SMS4PHGE4                                 | 4                                 | 36.3 | 30.4 | 24.4 |
| SMS6PH4TR29                                   | SMS6PHGE4                                 | 6                                 | 46.5 | 40.6 | 34.5 |
| SMS9PH4TR29                                   | SMS9PHGE4                                 | 9                                 | 61.7 | 55.9 | 49.8 |
| SMS10PH4TR29                                  | SMS10PHGE4                                | 10                                | 66.8 | 61.0 | 54.9 |

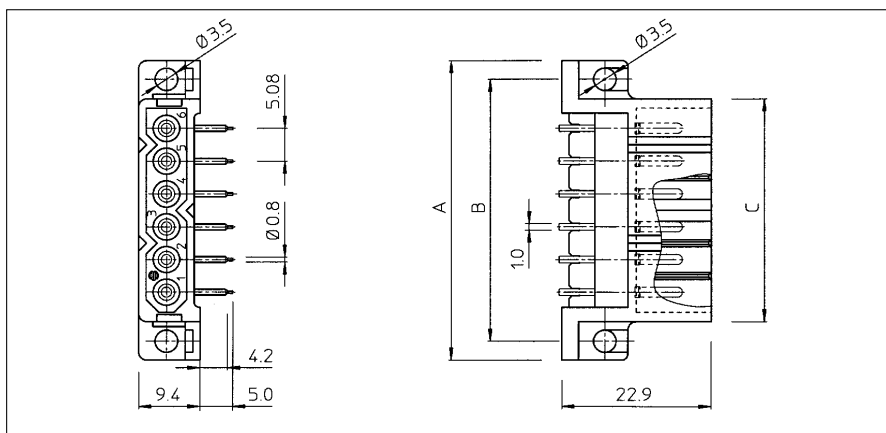
For other platings: see plating table.

Other solder tail lengths on request

# SMS – Quick mating Pin Header



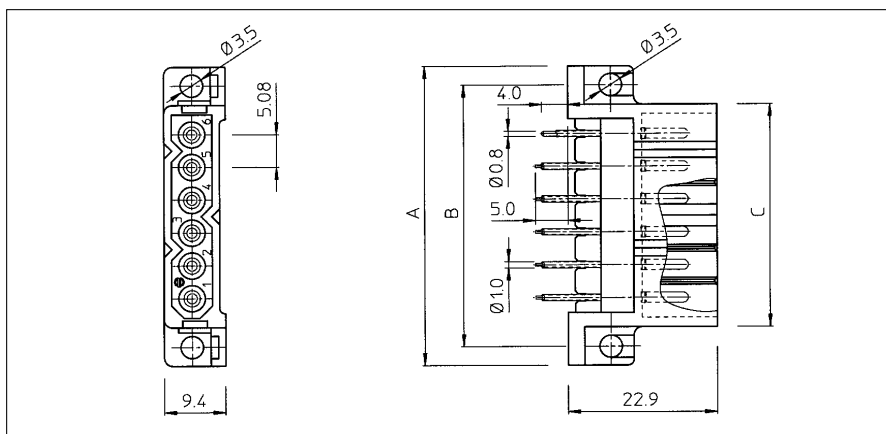
## Right angle coax header boardmount with male contacts (SMS--CH1Z17)



| Part number positions | Number of contact | A    | B    | C    |
|-----------------------|-------------------|------|------|------|
| <b>SMS3CH1Z17</b>     | <b>3</b>          | 31.2 | 25.4 | 19.3 |
| <b>SMS4CH1Z17</b>     | <b>4</b>          | 36.3 | 30.4 | 24.4 |
| <b>SMS6CH1Z17</b>     | <b>6</b>          | 46.5 | 40.6 | 34.5 |
| <b>SMS9CH1Z17</b>     | <b>9</b>          | 61.7 | 55.9 | 49.8 |
| <b>SMS10CH1Z17</b>    | <b>10</b>         | 66.8 | 61.0 | 54.9 |

For plating spec.: see plating table.

## Straight coax header boardmount with male contacts (SMS--CH2Z17)



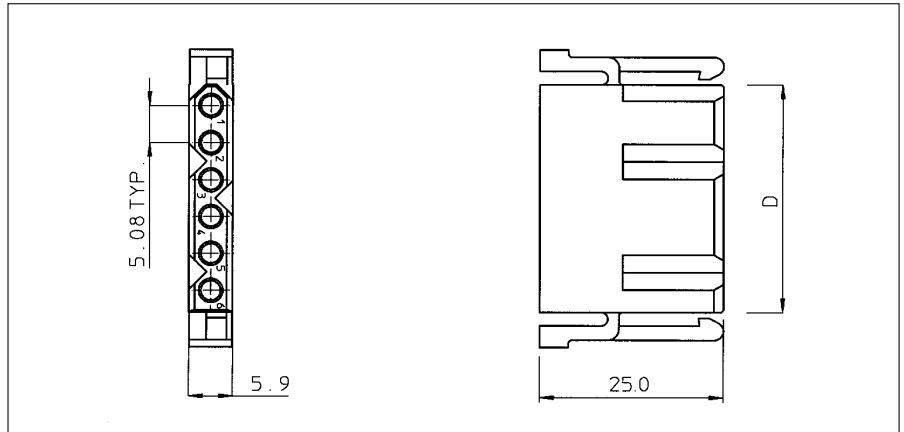
| Part number positions | Number of contact | A    | B    | C    |
|-----------------------|-------------------|------|------|------|
| <b>SMS3CH2Z17</b>     | <b>3</b>          | 31.2 | 25.4 | 19.3 |
| <b>SMS4CH2Z17</b>     | <b>4</b>          | 36.3 | 30.4 | 24.4 |
| <b>SMS6CH2Z17</b>     | <b>6</b>          | 46.5 | 40.6 | 34.5 |
| <b>SMS9CH2Z17</b>     | <b>9</b>          | 61.7 | 55.9 | 49.8 |
| <b>SMS10CH2Z17</b>    | <b>10</b>         | 66.8 | 61.0 | 54.9 |

For plating spec.: see plating table.

# SMS – Quick mating Pin Header

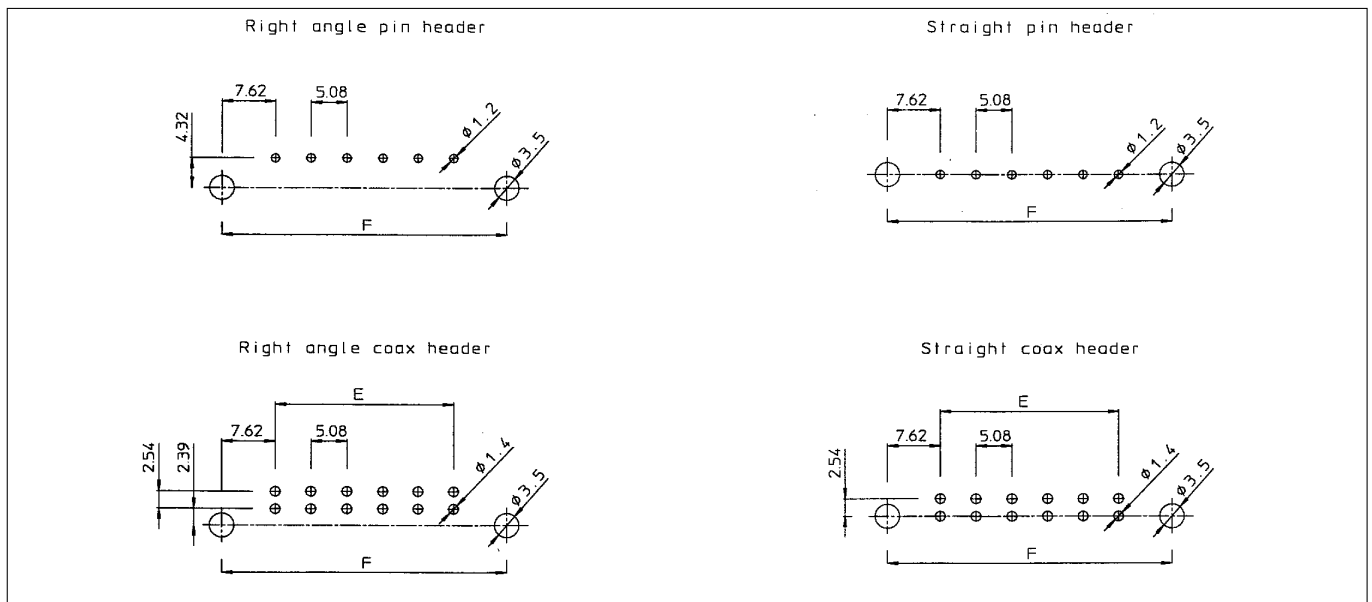


## Socket cable plug for pin and coax boardmount header (SMS--P3)



| Part number | Number of contact positions | D    |
|-------------|-----------------------------|------|
| SMS3P3      | 3                           | 16.0 |
| SMS4P3      | 4                           | 21.1 |
| SMS6P3      | 6                           | 31.2 |
| SMS9P3      | 9                           | 46.5 |
| SMS10P3     | 10                          | 51.6 |

## Recommended PC-board hole layouts



| Part number of contact positions | E     | F     |
|----------------------------------|-------|-------|
| 3                                | 10.18 | 25.40 |
| 4                                | 15.24 | 30.48 |
| 6                                | 25.40 | 40.64 |
| 9                                | 40.64 | 55.88 |
| 10                               | 45.72 | 60.96 |