## Qikmate panel and cable connectors

## Description

The versatile " SMS " Qikmate panel and cable connectors are a highly costeffective system approach to solving the constant demand for more cost effective interconnection techniques.
It is a range of multiway connectors using $N^{\circ} 16$ 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 pinprotection 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 mismating.
- 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: $-55^{\circ} \mathrm{C}$ to $+105^{\circ} \mathrm{C}$ <br> Insulation <br> resistance: $5000 \mathrm{M} \Omega$ min. <br> Test potential: 2000 VAC <br> Durability: 500 matings and <br> unmatings. |
| :--- | :--- |

## Construction

Material : Polyamide 6.6
Flammability rating : UL94-V2

## Contact accommodation

- "SMS" Qikmate connectors accept TRIM TRIO size 16 removable snap-lock contacts (see contact section)
- Contacts to be ordered seperately.


## How to order

| Connector family |  |  | SMS SMS | $12$ | PDH1 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Contact arrangement |  |  |  |  |  |
| Body variation: | R1: <br> P1: <br> PDH1: <br> RDH1: | Panel mount receptacle Cable plug without strain Cable plug with integrated Cable receptacle with in |  |  |  |

## SMS - iikmate

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



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

## SMS - Qikmate

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


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

SMS - Standard Qikmate intermateability chart

INTERMATEABILITY

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


SMS--P 1
(PLUG WITHOUT MOULDED ON CABLE HOODS)


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


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--GES 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 RE[EPTACLE)

## SMS - Qiknate

Panel mount receptacle (SMS--R1)


| Part number | Number of contact pos. | A | B | C max. | $J^{ \pm 0.13}$ | $\mathrm{K}^{ \pm 0.13}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  | 21.6 |
| SMS12R1 | 12 |  | 21.1 | 30.5 | 16.7 | 26.7 |
| SMS15R1 | 15 |  | 26.2 | 35.6 |  | 31.8 |
| SMS18R1 | 18 |  | 31.2 | 40.6 |  | 36.9 |
| SMS24R1 | 24 | 21.2 |  |  | 21.7 |  |
| SMS36R1 | 36 | 46.6 | 21.1 | 30.5 | 47.1 | 26.7 |

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


| Part number | Number of <br> contact pos. | A | C max. |
| :--- | :---: | :---: | :---: |
| SMS2P1 | $\mathbf{2}$ | 15.0 |  |
| SMS3P1 | $\mathbf{3}$ | 18.6 | 17.8 |
| SMS4P1 | $\mathbf{4}$ | 23.7 |  |
| SMS6P1 | $\mathbf{6}$ |  | 22.9 |
| SMS9P1 | $\mathbf{9}$ |  | 27.9 |
| SMS12P1 | $\mathbf{1 2}$ | 18.6 | 33.0 |
| SMS15P1 | $\mathbf{1 5}$ |  | 38.1 |
| SMS18P1 | $\mathbf{1 8}$ |  | 43.2 |
| SMS24P1 | $\mathbf{2 4}$ | $\mathbf{3 6}$ |  |
| SMS36P1 | $\mathbf{3 6}$ |  |  |

## SMS - Qiknate

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




| Part number contact | Number of disrimipos. | Number of nation pos. | A | B | C | D | H | Cable <br> range | Recommended unirap 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 |  |
| SMS9RDH1 | 9 | 4 | 35.8 | 20.0 | 75.3 |  | 52.2 | 3.9-14.3 | TF5D |
| 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 contact | Number of disrimipos. | Number of nation pos. | A | B | C | D | H | Cable range | Recommended unirap 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 |  |
| SMS9PDH1 | 9 | 4 | 43.7 | 26.7 | 75.3 |  | 60.1 | 3.9-14.3 | TF5D |
| 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 |  | 90.4 | 23.7 | 65.1 | 7.1-20.4 |  |
| SMS36PDH1 | 36 | 24 | 62.5 | 31.7 | 128.0 | 49.1 | 71.2 | 8.8-24.5 |  |

## SMS - oknate

## Accessories for standard Qikmate connectors

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



When pins are inserted into the panelmount receptacle half (SMS--R1) of the QIKMATE 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 <br> positions | $\mathbf{A}$ | B |
| :--- | :---: | :---: | :---: |
| SMS2CSB1 | $\mathbf{2}$ | 19.8 |  |
| SMS3CSB1 | $\mathbf{3}$ | 23.4 |  |
| SMS4CSB1 | $\mathbf{4}$ | 28.4 |  |
| SMS6CSB1 | $\mathbf{6}$ |  | 23.9 |
| SMS9CSB1 | $\mathbf{9}$ |  |  |
| SMS12CSB1 | $\mathbf{1 2}$ |  | 34.0 |
| SMS15CSB1 | $\mathbf{1 5}$ |  | 39.1 |
| SMS18CSB1 | $\mathbf{1 8}$ |  | 44.2 |
| SMS24CSB1 | $\mathbf{2 4}$ | $\mathbf{2 8 . 4}$ |  |
| SMS36CSB1 | $\mathbf{3 6}$ | 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 cabe 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 Qikmate and Qikmate Pin Headers cable and boardmount:
See accessories section.

## SMS - eiknate

## Notes

## SMS - Boardmount Qikmate



## Performance characteristics

Operating

| temperature: | $-55^{\circ} \mathrm{C}$ to $+125^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Insulation <br> resistance: | $5000 \mathrm{M} \Omega \mathrm{min}$. |
| Test potential: | 2000 VAC |
| Current rating: | 5 Amp for stamped <br> contacts <br> 7.5 Amp for machined <br> contacts |
| Durability: <br> unmatings. | 500 matings and |

## Construction

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

## Plating table

Plating for solid machined contacts
No digit (std) $=$ Min. $0.4 \mu$ Gold all over, over Nickel.
T $=3-5 \mu$ Tin all over
Plating for Stamped and formed contacts :
$\mathbf{K 9} \mathbf{( s t d )}=$ Min. $0.4 \mu$ Gold in contact area, $3-5 \mu$ Tin on solder tail. $\mathrm{T}=3-5 \mu \mathrm{Tin}$ all over

## Intermateability

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


## How to order

| Connector family | SMS SMS | $\begin{aligned} & 12 \\ & 12 \end{aligned}$ | $\begin{aligned} & \text { GE } \\ & \text { SE } \end{aligned}$ | $\begin{aligned} & 3 \\ & 3 \end{aligned}$ | K9 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 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 Qikmate

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


| Part number Solid machined contacts | Part number Stamped and formed contacts | Number of contact pos. | Number of discrimination 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 |  |  |
| SMS36GE3 | SMS36SE3K9 | 36 | 0 | 46.5 | 15.2 | 54.6 |  | 20.9 |

For other platings: see plating table

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


| Part number Solid machined contacts | Part number Stamped and formed contacts | Number of contact pos. | $\square$ | 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 |  |  |
| SMS36GE4 | SMS36SE4K9 | 36 | 0 | 46.5 | 15.2 | 54.6 |  | 20.9 |

For other platings: see plating table

## SMS - Boardmount Qikmate

Right angle boardmount with female contacts (SMS--GE5 / SMS--SE5K9)


| Part number Solid machined contacts | Part number Stamped and formed contacts | Number of contact pos. | Number of discrimination pos. | A | B | C | D | E | F | G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SMS3GE5 | SMS3SE5K9 | 3 | 0 | 16.5 | 14.4 | 20.5 | 30.2 | 24.2 | 16.2 | 6.8 |
| SMS6GE5 | SMS6SE5K9 | 6 | 0 | 19.0 |  | 24.5 |  |  |  | 11.9 |
| SMS12GE5 | SMS12SE5K9 | 12 | 6 | 21.6 |  | 29.5 | 35.2 | 29.2 | 21.2 | 17.2 |
| SMS18GE5 | SMS18SE5K9 | 18 | 10 |  |  |  | 45.4 | 39.4 | 31.2 |  |

For other platings: see plating table

Right angle boardmount with male contacts (SMS--GE6 / SMS--SE6K9)


| Part number Solid machined contacts | Part number Stamped and formed contacts | Number of contact pos. | Number of discrimination pos. | A | B | C | D | E | F | G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SMS3GE6 | SMS3SE6K9 | 3 | 0 | 16.5 | 14.4 | 20.5 | 30.2 | 24.2 | 16.2 | 6.8 |
| SMS6GE6 | SMS6SE6K9 | 6 | 0 | 19.0 |  | 24.5 |  |  |  | 11.9 |
| SMS12GE6 | SMS12SE6K9 | $12$ | 6 | 21.6 |  | 29.5 | 35.2 | 29.2 | 21.2 | 17.2 |
| SMS18GE6 | SMS18SE6K9 | 18 | 10 |  |  |  | 45.4 | 39.4 | 31.2 |  |

For other platings: see plating table

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


## SMS <br> - Qikmate Pin Header

## Qikmate PC boardmount Pin Headers and plugs

## Description

Qikmate Pin Header, available in 3, 4, 6, 9 and 10 positions, provides the additional versatility of straight and right angle board mounting.
Offered as an alternative to stacked connectors, the in-line contact design of the pin header provides the user with significant PC board space savings.
The boardmount receptacle features positieve polarization and a moulded on pin protection skirt and is supplied preassembled with straight or right angled:

- Solid machined or stamped and formed

PC board pin contacts.

- Coax PC board pin contacts.

The socket cable plug features positive quick connect / disconnect latches and is designed to accept $\mathrm{N}^{\circ} 16$ TRIM TRIO $.0625^{\prime \prime}$ ( 1.6 mm ) diameter socket contacts for maximum contact protection.

## Features and benefits

- Available in 3, 4, 6, 9 and 10 positions.
- In-line contact design, offering significant PC board space savings.
- Boardmount connectors available in straight and right-angled version preassembled with:
- Solid machined or stamped and formed pin contacts.
Coax pin contacts.
- UL recognized File Nr.: E238675


## Construction

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


Performance characteristics
Operating

| temperature: | $-55^{\circ} \mathrm{C}$ to $+125^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Insulation <br> resistance: | $5000 \mathrm{M} \Omega \mathrm{min}$. |
| Test potential: | 2000 VAC |
| Current rating: | 5 Amp for stamped <br> contacts <br> 7.5 Amp for machined <br> contacts |
| Durability: | 500 matings and <br> unmatings. |

## Intermateability

- "SMS" Socket plugs accept TRIM TRIO size 16 removable snap-lock contacts (see contact section)
- Contacts to be ordered seperately.


## Plating table

Plating for solid machined contacts:
No digit (std) $=$ Min. $0.4 \mu$ Gold all over, over Nickel.
$\mathrm{T}=3-5 \mu \mathrm{Tin}$ all over
Plating for Stamped and formed contacts :
D28 $=$ Min. $0.75 \mu$ Au over nickel.
D70 = Gold flash all over
TR29 $=1.2 \mu$ Pre-plated Tin all over.
Plating for coax contacts:
Z17 $=$ Min. $0.75 \mu \mathrm{Au}$ in contact area, Flash on solder tail (inner)
Min $0.75 \mu \mathrm{Au}$ in contact area, Tin on solder tail (outer)

## How to order



## SMS - Qikmate 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 | $\mathbf{A}$ | B | C |
| :--- | :--- | :---: | :---: | :---: | :---: |
| SMS3PH3TR29 | SMS3PHGE6 | $\mathbf{3}$ | 31.2 | 26.3 | 25.4 |
| SMS4PH3TR29 | SMS4PHGE6 | $\mathbf{4}$ | 46.5 | 30.4 |  |
| SMS6PH3TR29 | SMS6PHGE6 | $\mathbf{6}$ | 61.7 | 40.6 | 24.4 |
| SMS9PH3TR29 | SMS9PHGE6 | $\mathbf{9}$ | 66.8 | 55.9 | 34.5 |
| SMS10PH3TR29 | SMS10PHGE6 | $\mathbf{1 0}$ |  | 61.0 | 49.8 |
|  |  |  |  |  |  |

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 $\mathbf{A}$ B C <br> SMS3PH4TR29 SMS3PHGE4 $\mathbf{3}$ 31.2 25.4  <br> SMS4PH4TR29 SMS4PHGE4 $\mathbf{4}$ 36.3 30.4 19.3 <br> SMS6PH4TR29 SMS6PHGE4 $\mathbf{6}$ 46.5 40.6 24.4 <br> SMS9PH4TR29 SMS9PHGE4 $\mathbf{9}$ 61.7 54.9 49 <br> SMS10PH4TR29 SMS10PHGE4 $\mathbf{1 0}$ 66.8 61.0  <br> Other solder tail lenghts on request      |
| :--- |

## SMS - Qikmate Pin Header

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



| Part number <br> positions | Number of contact | A | B |  |
| :--- | :---: | :---: | :---: | :---: |
| SMS3CH1Z17 | $\mathbf{3}$ | 31.2 | $\mathbf{C}$ |  |
| SMS4CH1Z17 | $\mathbf{4}$ | 36.3 | 25.4 |  |
| SMS6CH1Z17 | $\mathbf{6}$ | 46.5 | 30.4 | 19.3 |
| SMS9CH1Z17 | $\mathbf{9}$ | 61.7 | 40.6 | 34.4 |
| SMS10CH1Z17 | $\mathbf{1 0}$ | 66.8 | 55.9 | 49 |

For plating spec.: see plating table.

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


| Part number <br> positions | Number of contact | A | B |  |
| :--- | :---: | :---: | :---: | :---: |
| SMS3CH2Z17 | $\mathbf{3}$ | 31.2 | C |  |
| SMS4CH2Z17 | $\mathbf{4}$ | 36.3 | 25.4 |  |
| SMS6CH2Z17 | $\mathbf{6}$ | 46.5 | 30.4 | 19.3 |
| SMS9CH2Z17 | $\mathbf{9}$ | 61.7 | 40.6 | 24.4 |
| SMS10CH2Z17 | $\mathbf{1 0}$ | 66.8 | 55.9 | 4.5 |
| For |  | 61.0 |  |  |

For plating spec.: see plating table.

## SMS - Qikmate Pin Header

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


| Part number | Number of contact <br> positions | D |
| :--- | :---: | :---: |
| SMS3P3 | $\mathbf{3}$ | 16.0 |
| SMS4P3 | $\mathbf{4}$ | 21.1 |
| SMS6P3 | 6 | 31.2 |
| SMS9P3 | $\mathbf{9}$ | 46.5 |
| SMS10P3 | $\mathbf{1 0}$ | 51.6 |

Recommended PC-board hole layouts


| Part number of contact <br> positions | $\mathbf{E}$ | F |
| :---: | :---: | :---: |
| $\mathbf{3}$ | 10.18 | 25.40 |
| $\mathbf{4}$ | 15.24 | 30.48 |
| $\mathbf{6}$ | 25.40 | 40.64 |
| $\mathbf{9}$ | 40.64 | 55.88 |
| $\mathbf{1 0}$ | 45.72 | 60.96 |

