

SMS – Boardmount Qikmate



Qikmate PC-boardmount connectors

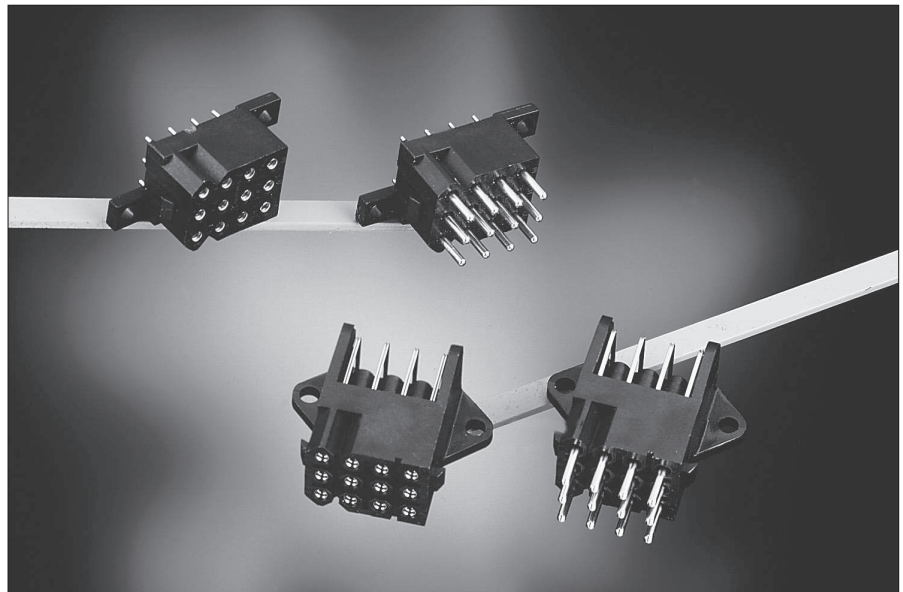
Description

These PC boardmount connectors enable QIKMATE and preassembled TRIM TRIO contacts to be PC board mounted, using conventional solder production techniques. They will then mate and latch with the standard QIKMATE plugs. Straight boardmount QIKMATE is available in 10 insert arrangements from 2 to 36 positions.

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

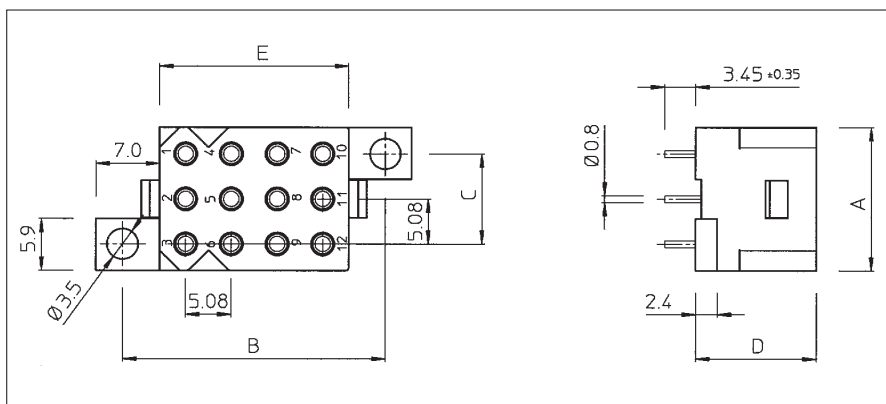
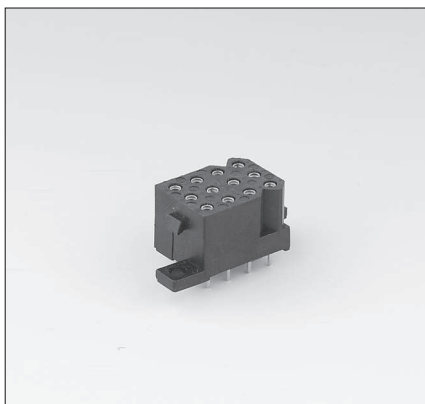
How to order

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

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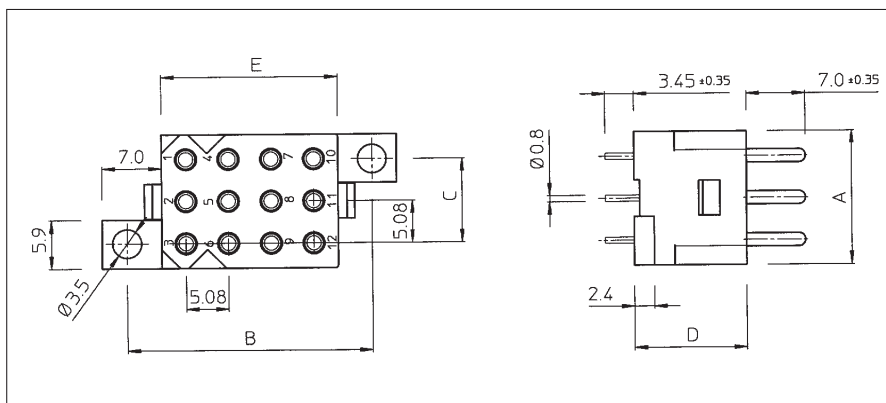
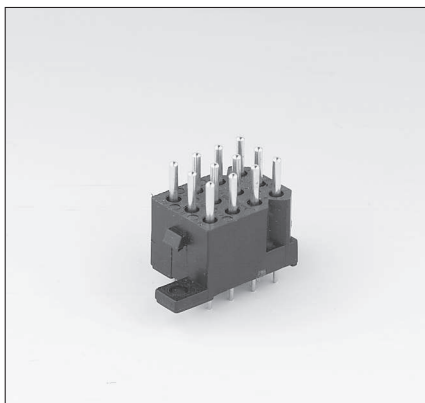
Straight boardmount with female contacts (SMS--GE3 / SMS--SE3K9)



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			15.2
SMS24GE3	SMS24SE3K9	24	0	21.2				
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)



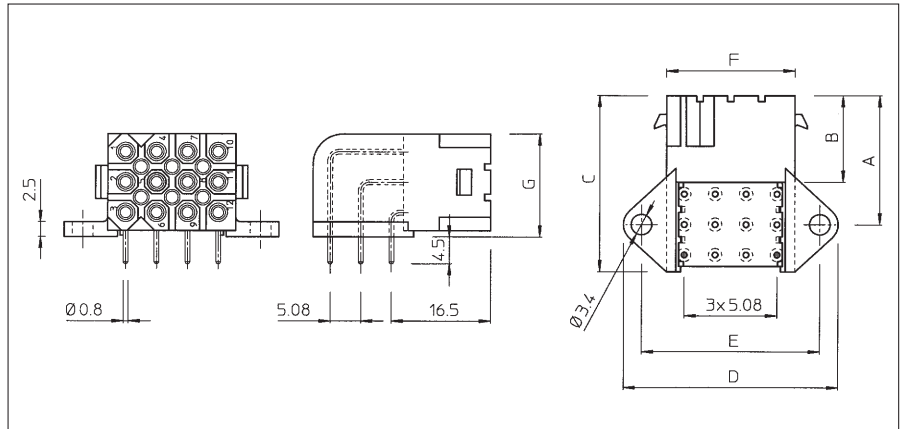
Part number Solid machined contacts	Part number Stamped and formed contacts	Number of contact pos.	Number of discrimination pos.	A	B	C	D	E
SMS2GE4	SMS2SE4K9	2	0	11.1	-	19.1	13.4	5.9
SMS3GE4	SMS3SE4K9	3	0	16.2	14.0	10.2		
SMS4GE4	SMS4SE4K9	4	0	21.3		15.2		
SMS6GE4	SMS6SE4K9	6	0	16.2	19.2	10.2		10.9
SMS9GE4	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		
SMS36GE4	SMS36SE4K9	36	0	46.5	15.2	54.6		20.9

For other platings: see plating table

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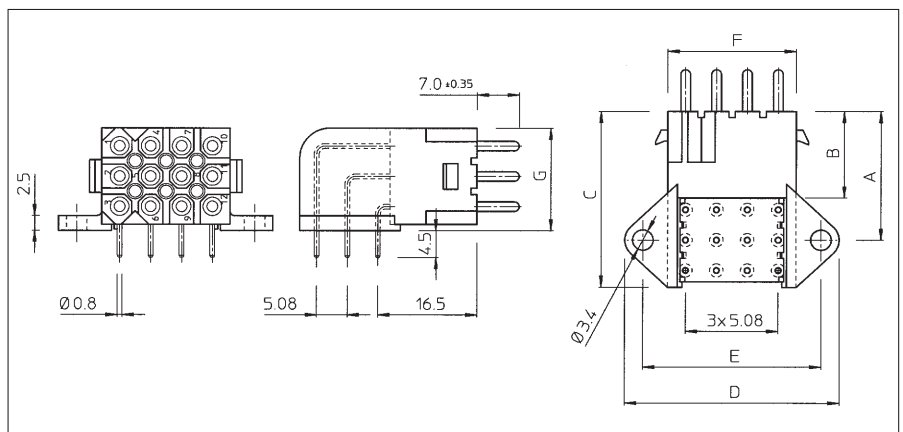
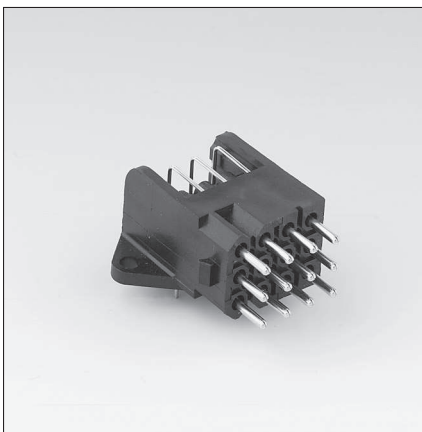
Right angle boardmount with female contacts (SMS--GE5 / SMS--SE5K9)



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)

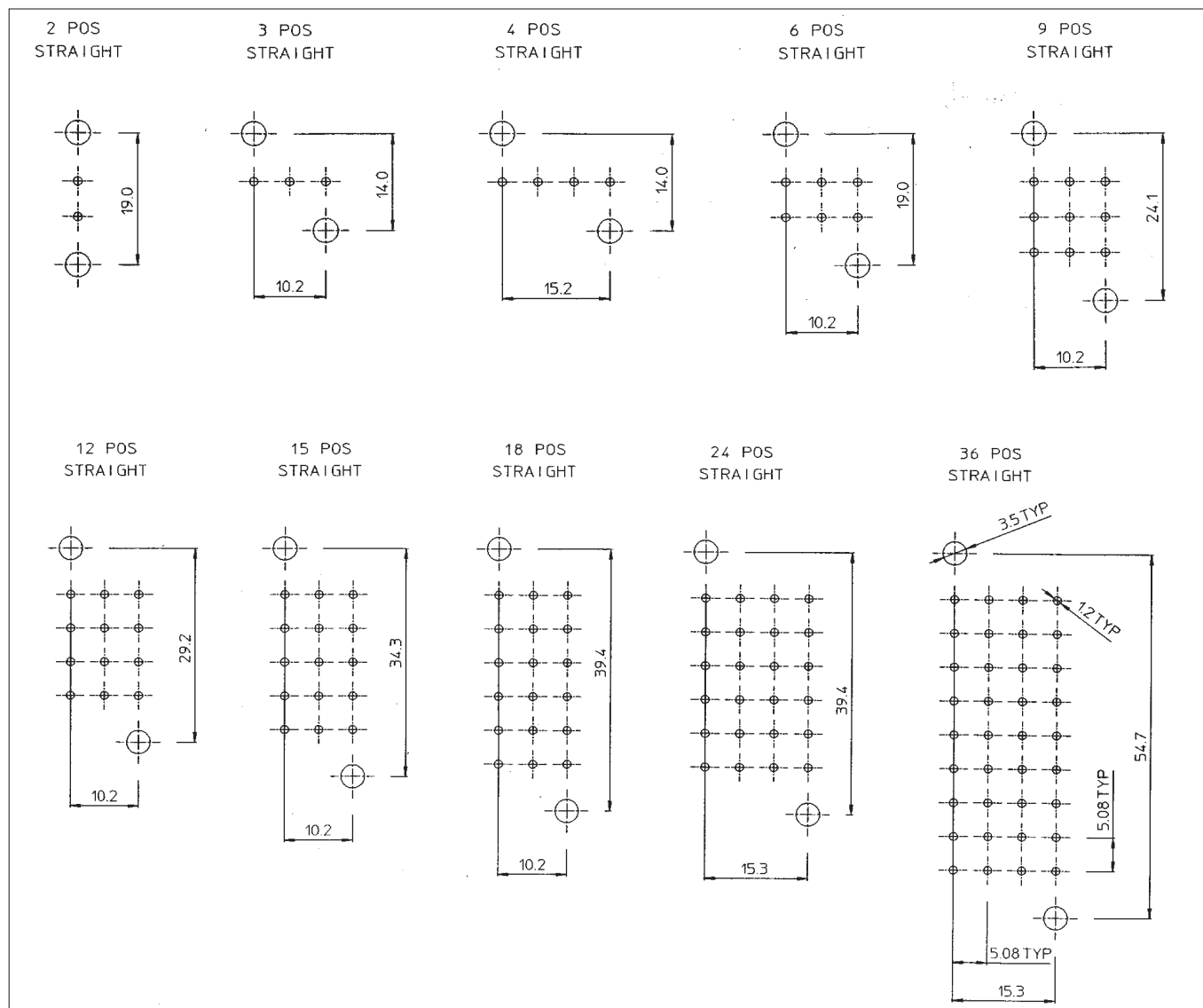


Part number Solid machined contacts	Part number Stamped and formed contacts	Number of contact pos.	Number of discrimination pos.	A	B	C	D	E	F	G
SMS3GE6	SMS3SE6K9	3	0	16.5	14.4	20.5	30.2	24.2	16.2	6.8
SMS6GE6	SMS6SE6K9	6	0	19.0		24.5				11.9
SMS12GE6	SMS12SE6K9	12	6	21.6		29.5	35.2	29.2	21.2	17.2
SMS18GE6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

