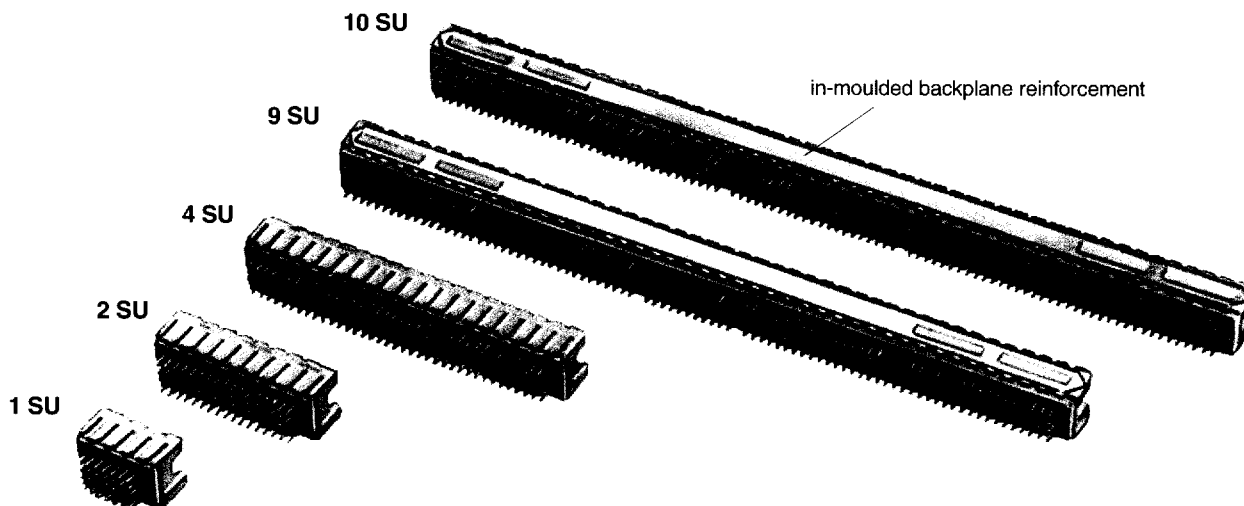


Male Connectors

Wide version, 16.5 mm wide, unshielded

Sizes 1, 2, 4, 6, 9 and 10 SU

Sizes 9 and 10 SU with in-moulded backplane reinforcement

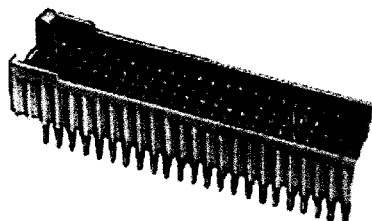


ECN0304-3

Other standard designs

Narrow version, 14.9 mm wide, unshielded

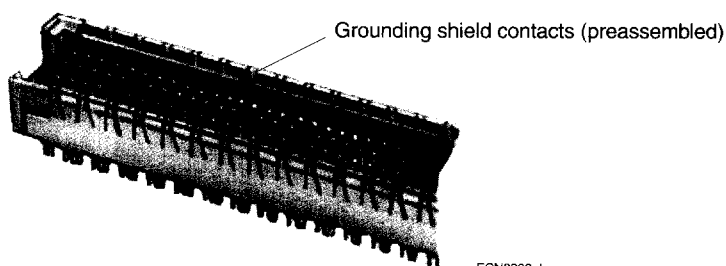
Sizes 1, 2, 2.3, 4, 5.4, 9 and 10 SU



Shielded version, 17.1 mm wide

Sizes 1, 2, 4, 6, 9 and 10 SU

Sizes 9 and 10 SU with in-moulded backplane reinforcement



ECN0306-J

General

- Backplane connector for contacting PC boards
- 5 rows, fully or partially equipped
- Sizes 1, 2, 2.3, 4, 5.4, 9 and 10 SU
- Pre-mating contacts: +0.6 mm; +1.25 mm; +1.75 mm; +3.5 mm
- Post-mating contacts: -0.6 mm; -1.5 mm
- Straight press-in terminals for PCB thickness min. 1.6 mm
- Pre-equipped male connectors or single-contact press-in technique

- Different press-in terminal lengths and adapter contacts
- Plug-, terminal- and tool-compatible with 2.5-mm connectors according to IEC61076-4-100
- Male contacts repairable after press-in

Note:

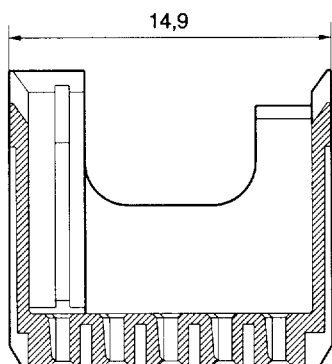
All male connectors are available with pre-fitted male contacts or as "empty containers" for single-contact press-in technique.

Male Connectors (Continued)

Assembly concept of male contacts

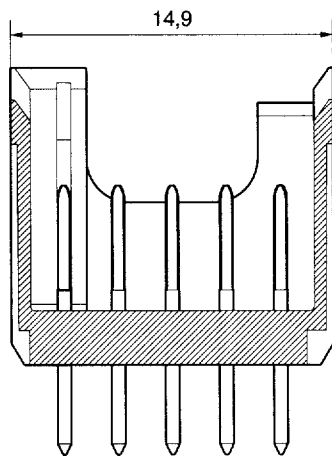
Pre-equipped backplane

unshielded, 14.9 mm

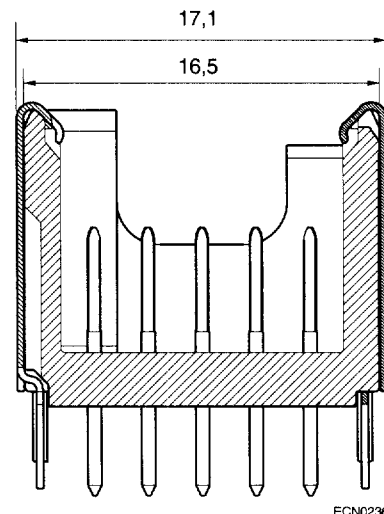


Pre-equipped male connectors

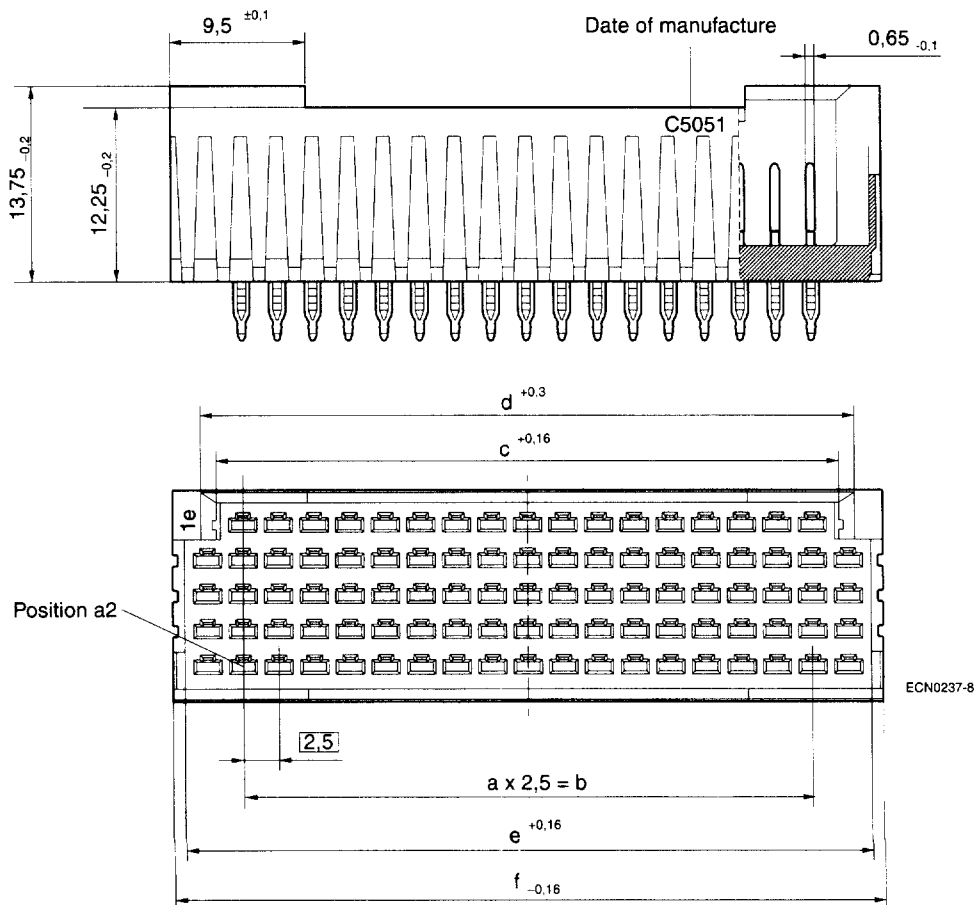
unshielded, 14.9 mm



unshielded, 16.5 mm
shielded, 17.1 mm

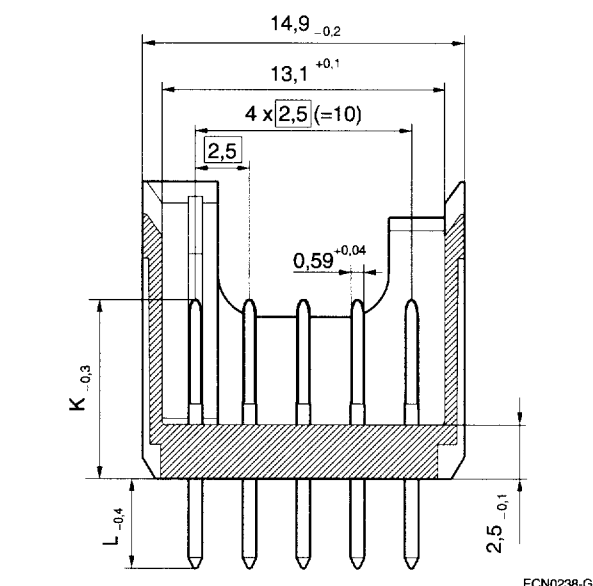


Narrow version of male connectors, pre-equipped

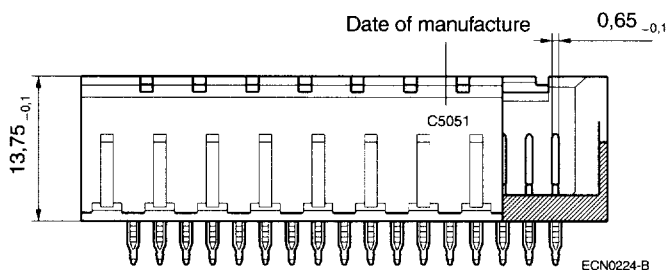
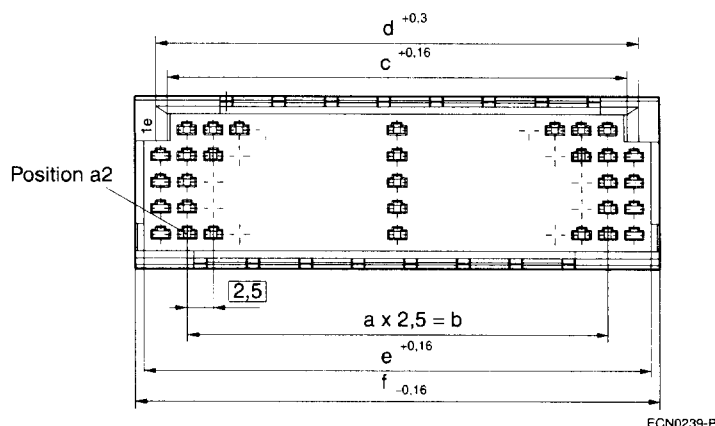
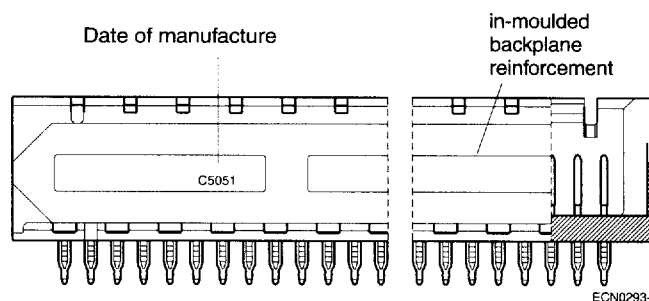


Male Connectors (Continued)

Size	1 SU	2 SU	2,3 SU	4 SU	5,4 SU	9 SU	10 SU
$a \times 2,5 = b$	$6 \times 2,5 = 15$	$16 \times 2,5 = 40$	$19 \times 2,5 = 47,5$	$36 \times 2,5 = 90$	$50 \times 2,5 = 125$	$86 \times 2,5 = 215$	$96 \times 2,5 = 240$
c	18,72	43,72	51,22	93,72	128,32	218,72	243,72
d	20,9	45,9	52,40	95,9	130,90	220,9	245,9
e	23,22	48,22	55,32	98,22	133,22	223,22	248,22
f	24,88	49,88	57,38	99,88	136,88	224,88	249,88

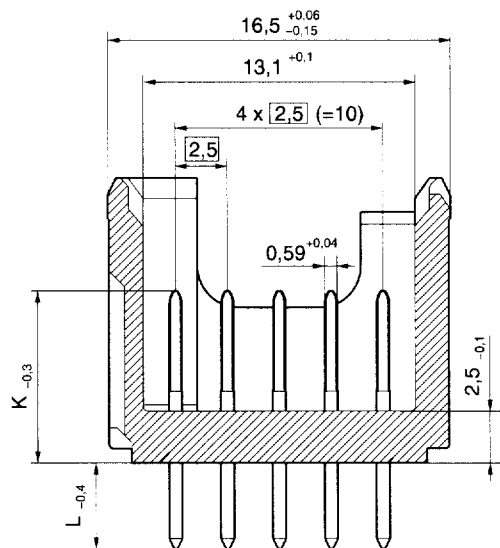
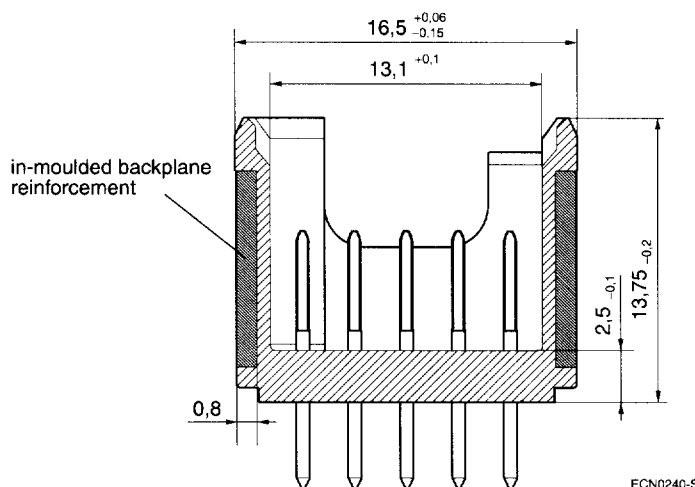


Pre-mating	Contact length
Length 1 = Standard contacts	K = 8,45 mm
Length 2 = Pre-mating +1.75 mm	K = 10,2 mm
Length 3 = Pre-mating +3.5 mm	K = 11,95 mm
Length 4 = Post-mating -1.5 mm	K = 6,95 mm
Length 5 = Pre-mating +0.6 mm	K = 9,05 mm
Length 6 = Pre-mating +1.25 mm	K = 9,7 mm
Length 7 = Post-mating -0.6 mm	K = 7,85 mm
Connection technique	Termination length
Press-in pin	L = 4,5 mm L = 6 mm (Preferred type)
Press-in wrap pin	L = 14 mm
Press-in wrap pin with adapter area	L = 14 mm (Preferred type) L = 15,75 mm L = 17,75 mm L = 21,5 mm other lengths on request

Wide version of male connectors, pre-equipped**Size 1, 2, 4 and 6 SU****Size 9 and 10 SU**

Male Connectors (Continued)

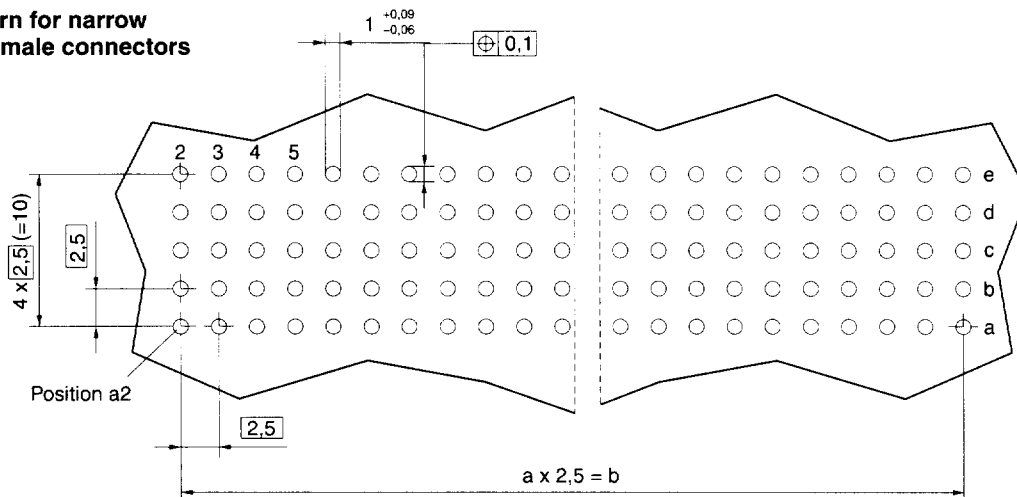
Size	1 SU	2 SU	4 SU	6 SU	9 SU	10 SU
$a \times 2,5 = b$	$6 \times 2,5 = 15$	$16 \times 2,5 = 40$	$36 \times 2,5 = 90$	$56 \times 2,5 = 140$	$86 \times 2,5 = 215$	$96 \times 2,5 = 240$
Dimensions in mm						
c	18,72	43,72	93,72	143,72	218,72	243,72
d	20,9	45,9	95,9	165,90	220,9	245,9
e	23,22	48,22	98,22	168,22	223,22	248,22
f	24,88	49,88	99,88	169,88	224,88	249,88

Size 1, 2, 4 and 6 SU**Size 9 and 10 SU**

ECN0240-S

Pre-mating	Contact length
Length 1 = Standard contacts	K = 8,45 mm
Length 2 = Pre-mating +1.75 mm	K = 10,2 mm
Length 3 = Pre-mating +3.5 mm	K = 11,95 mm
Length 4 = Post-mating -1.5 mm	K = 6,95 mm
Length 5 = Pre-mating +0.6 mm	K = 9,05 mm
Length 6 = Pre-mating +1.25 mm	K = 9,70 mm
Length 7 = Post-mating -0.6 mm	K = 7,85 mm

Connection technique	Termination length
Press-in pin	L = 4,5 mm L = 6 mm (Preferred type)
Press-in wrap pin	L = 14 mm
Press-in wrap pin with adapter area	L = 14 mm (Preferred type) L = 15,75 mm L = 17,75 mm L = 21,5 mm other lengths on request

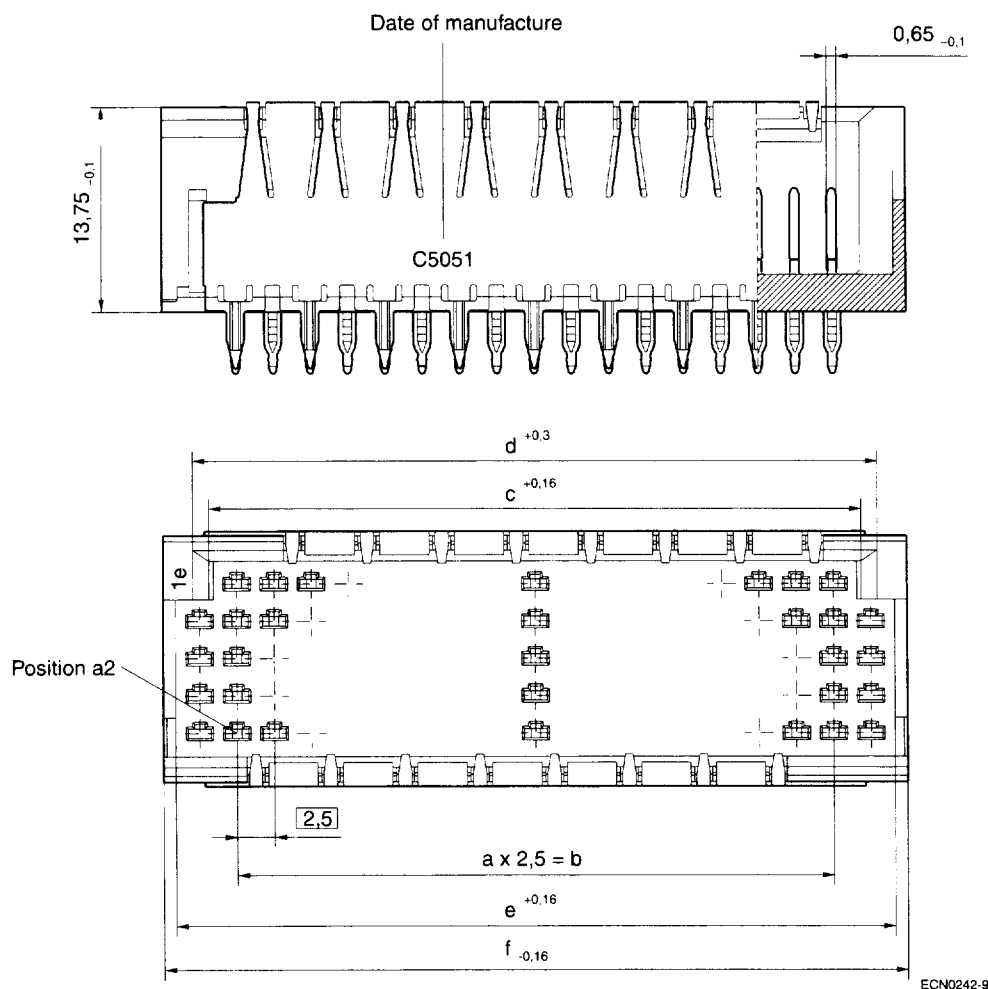
Mounting hole-pattern for narrow and wide version of male connectors (front of backplane)

ECN0241-1

Size		1 SU	2 SU	4 SU	6 SU	9 SU	10 SU
Dimensions in mm	a x 2,5 = b	6 x 2,5 = 15	16 x 2,5 = 40	36 x 2,5 = 90	56 x 2,5 = 140	86 x 2,5 = 215	96 x 2,5 = 240

Male Connectors (Continued)**Male connectors shielded version, with grounding shield contacts**

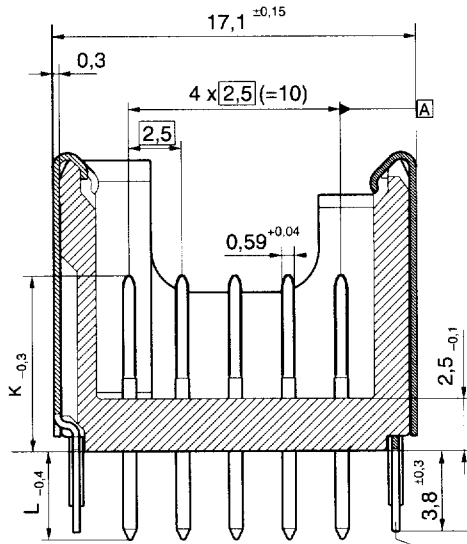
The male connectors are delivered from the factory pre-equipped with grounding shield contacts. Pressing in of the grounding shield contact is done via the plastic of the male connector body together with the contact blades.



Size	1 SU	2 SU	4 SU	6 SU	9 SU	10 SU
$a \times 2,5 = b$	$6 \times 2,5 = 15$	$16 \times 2,5 = 40$	$36 \times 2,5 = 90$	$56 \times 2,5 = 140$	$86 \times 2,5 = 215$	$96 \times 2,5 = 240$
Dimensions in mm	18,72	43,72	93,72	143,72	218,72	243,72
d	20,9	45,9	95,9	145,90	220,9	245,9
e	23,22	48,22	98,22	148,22	223,22	248,22
f	24,88	49,88	99,88	149,88	224,88	249,88

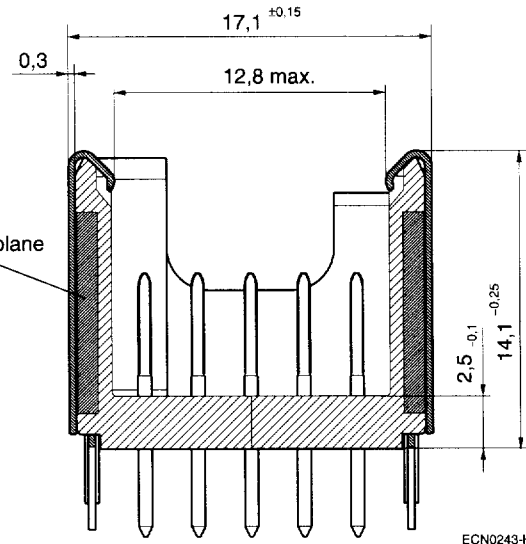
Male Connectors (Continued)

Size 1, 2, 4 and 6 SU



Grounding shield contact

Size 9 and 10 SU

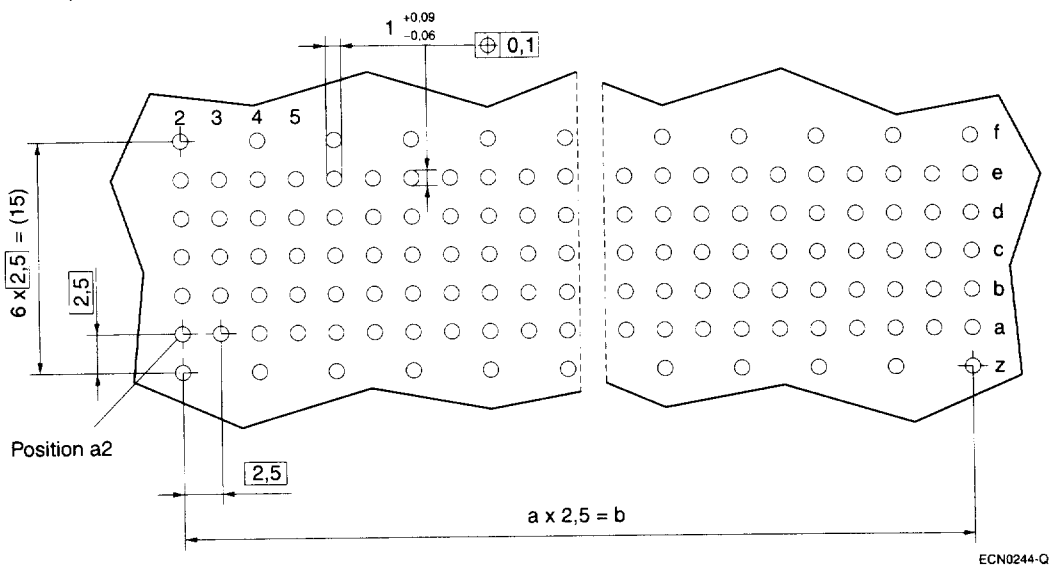


ECN0243-H

Pre-mating	Contact length
Length 1 = Standard contacts	K = 8,45 mm
Length 2 = Pre-mating +1.75 mm	K = 10,2 mm
Length 3 = Pre-mating +3.5 mm	K = 11,95 mm
Length 4 = Post-mating -1.5 mm	K = 6,95 mm
Length 5 = Pre-mating +0.6 mm	K = 9,05 mm
Length 6 = Pre-mating +1.25 mm	K = 9,70 mm
Length 7 = Post-mating -0.6 mm	K = 7,85 mm

Connection technique	Termination length
Press-in pin	L = 4,5 mm L = 6 mm (Preferred type)
Press-in wrap pin	L = 14 mm
Press-in wrap pin with adapter area	L = 14 mm (Preferred type) L = 15,75 mm L = 17,75 mm L = 21,5 mm other lengths on request

Mounting hole-pattern for male connectors, shielded version (front of backplane)



ECN0244-Q

Size	1 SU	2 SU	4 SU	6 SU	9 SU	10 SU
Dimensions in mm	a x 2,5 = b	6 x 2,5 = 15	16 x 2,5 = 40	36 x 2,5 = 90	56 x 2,5 = 140	86 x 2,5 = 215

**SIPAC Connectors****Male Connectors** (Continued)**SIPAC male connector (14,9 mm)**

Type	n	Part Numbers			
		Performance Level 1		Performance Level 2	
		Terminal 6 mm	Terminal 14 mm	Terminal 6 mm	Terminal 14 mm
1SU	35	3-1393711-0	6-1393713-9	6-1393712-2	7-1393713-6
2SU	85	3-1393711-8	7-1393713-0	7-1393712-4	7-1393713-7
2.3SU	100	6-1393713-7	4-1393711-8	7-1393713-4	7-1393713-8
4SU	185	5-1393711-7	7-1393713-1	9-1393712-5	1-1393713-9
5.4SU	250	6-1393713-8	9-1393711-2	7-1393713-5	7-1393713-9
9SU	425	9-1393711-9	7-1393713-2	2-1393713-6	8-1393713-0
10SU	475	1393711-4	7-1393713-3	3-1393712-7	8-1393713-1

SIPAC male connector shielded

Type	n	Part Numbers			
		Performance Level 1		Performance Level 2	
		Terminal 6 mm	Terminal 14 mm	Terminal 6 mm	Terminal 14 mm
1SU	35	3-1393710-9	4-1393710-4	6-1393712-1	5-1393710-0
2SU	85	4-1393710-0	4-1393710-5	2-1393710-2	5-1393710-1
4SU	185	1393710-7	4-1393710-6	2-1393710-6	2-1393710-9
6SU	280	4-1393710-1	4-1393710-7	4-1393710-9	5-1393710-2
9SU	425	4-1393710-2	4-1393710-8	3-1393710-2	5-1393710-3
10SU	475	4-1393710-3	1393710-4	1-1393710-3	1-1393710-8



SIPAC Connectors

Male Connectors (Continued)

Request Form for SIPAC Male Connector

Connector Type:

- Male 15 mm wide
- Male shielded
- Male 16.5 mm wide

Performance level:

- I 500 mating cycles
- II 250 mating cycles

Type of Termination:

(see above for different possibilities)

+ = Contact

V = premating + 1.75 mm

2 = premating + 3.50 mm

N = postmating - 1.5 mm

