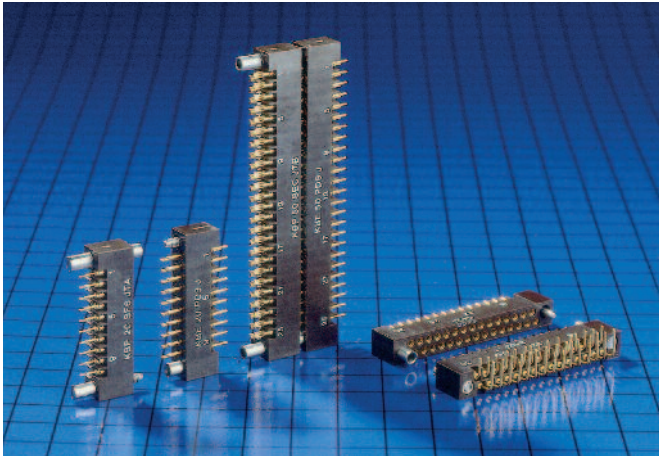




PCB Connectors Derived from MIL 55302, also for Multilayer and Flex PCB

- High robustness
- Special designs available
- 10-54 way
- Locking and guiding hardware
- Hyperboloid contacts
- Flex termination, solder cup, straight and R/A through board solder (TBS), crimp
- RoHS compliant

Technical Characteristics

Material

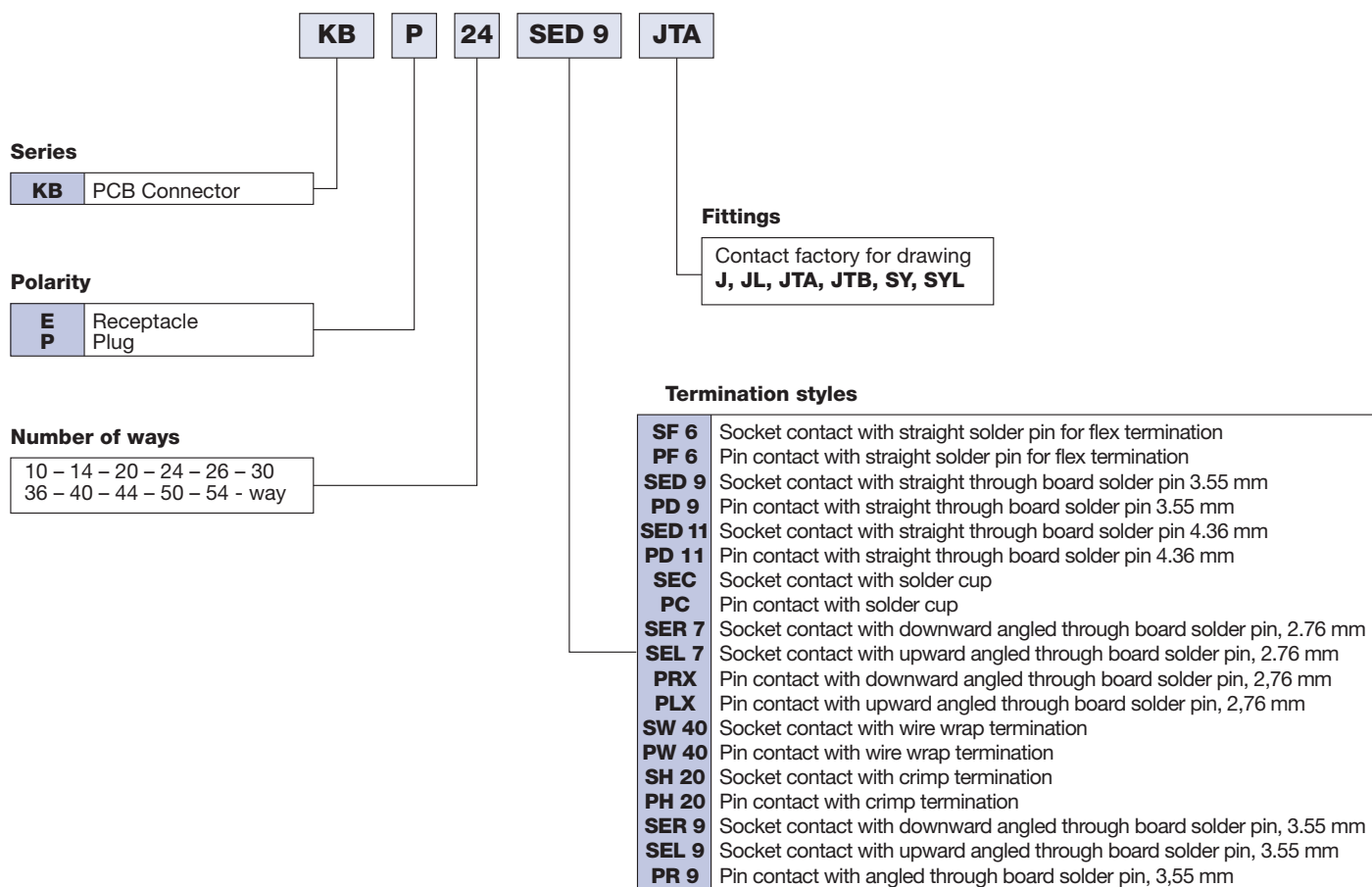
Insulating body	PPS
Flamability UL94	V-0
Contact type	Hyperboloid Contacts 0,76 mm
Contacts	Brass
Contact plating	gold plated
Guiding and coding	Stainless steel

Electrical Data

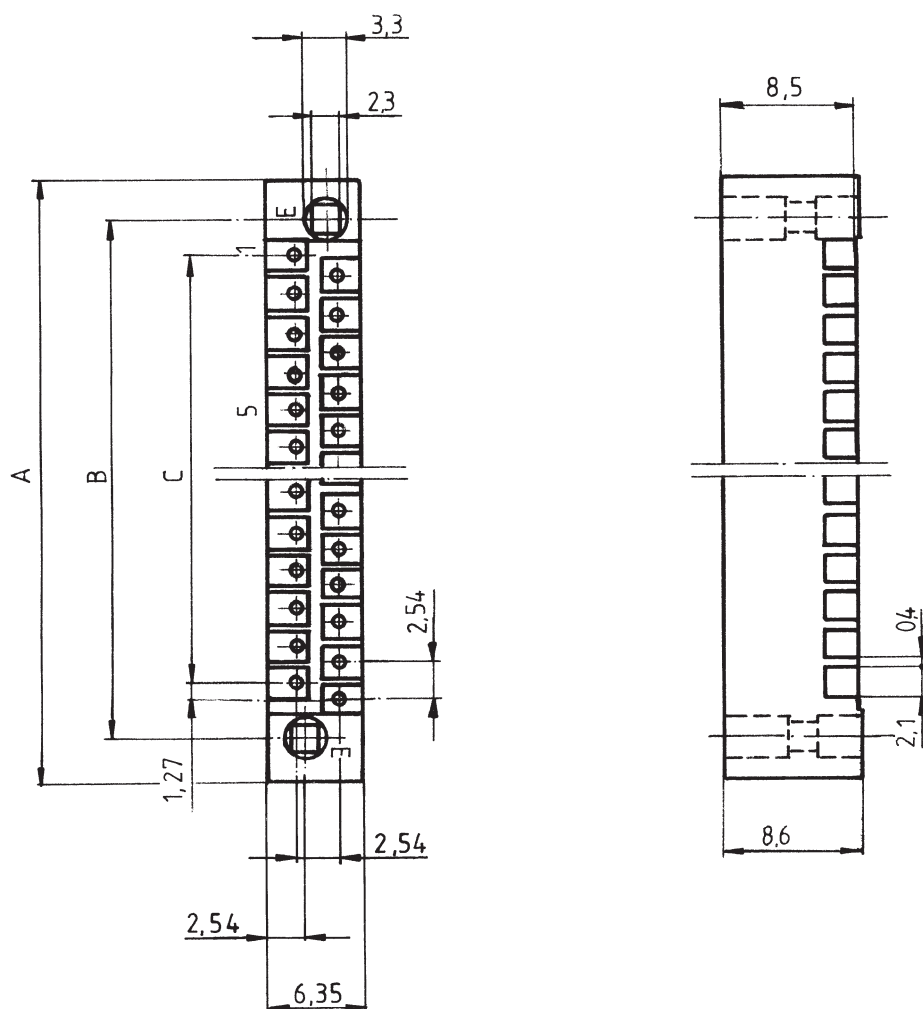
Nominal current	6 Amp. with 20 mV potential difference
Contact resistance	<6 mΩ
Insulating resistance	>10 MΩ
Insulation test voltage	1400 V
Climatic category	434 (-55 °C to +125 °C / 56 days)
Pitch	2,54 mm center-to-center-spacing 1,27 mm row-to-row spacing

The insulating body can be fitted either with socket or pin contacts. The guiding and coding happens by cogging of the guiding pins which are interchangeable, both in the female and in the male parts. For the 10 - 54 way connectors different fixing is available.

Ordering Information



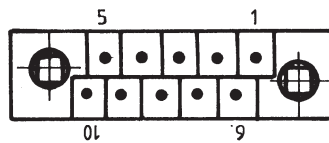
Dimension female part 10 - 54 way



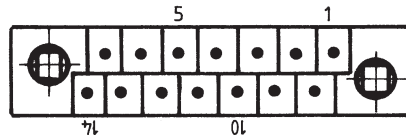
No. of ways	A	B	C
10	21,59	16,51	10,16
14	26,67	21,59	15,24
20	34,29	29,21	22,86
24	39,37	34,29	27,94
26	41,91	36,83	30,48
30	46,99	41,91	35,56
36	54,61	49,53	43,18
40	59,69	54,61	48,26
44	64,77	59,69	53,34
50	72,39	67,31	60,96
54	77,47	72,39	66,04

Insulation body numbering 10 - 54 way: female part view bottom side

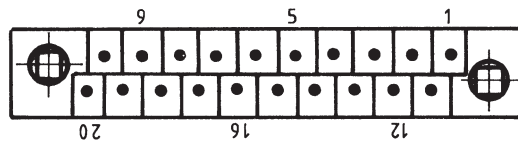
KBE 10



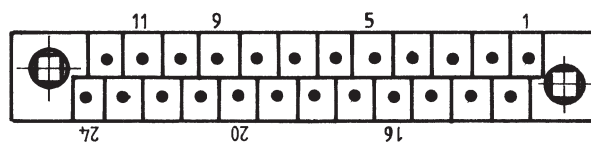
KBE 14



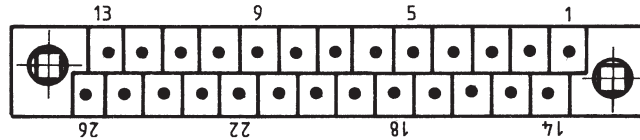
KBE 20



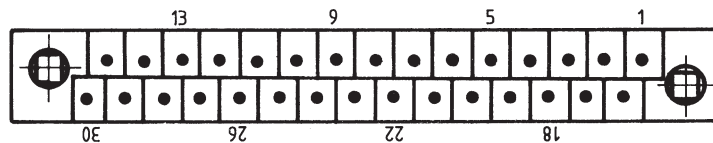
KBE 24



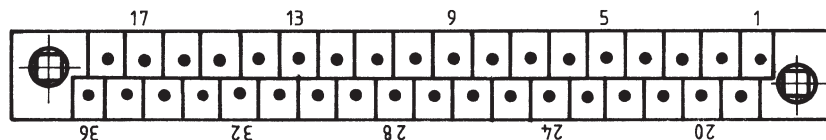
KBE 26



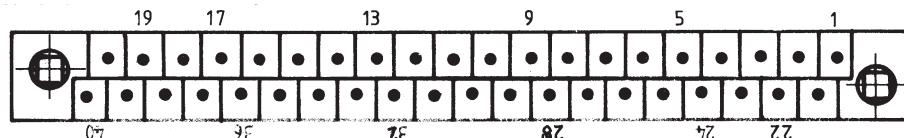
KBE 30



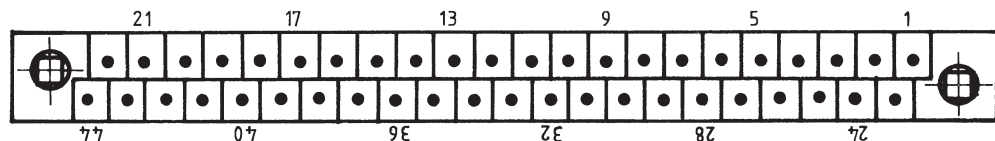
KBE 36



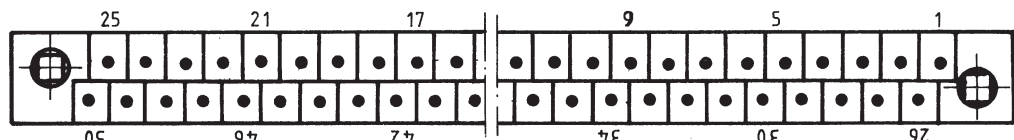
KBE 40



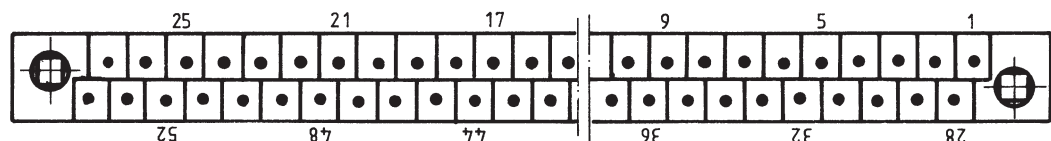
KBE 44



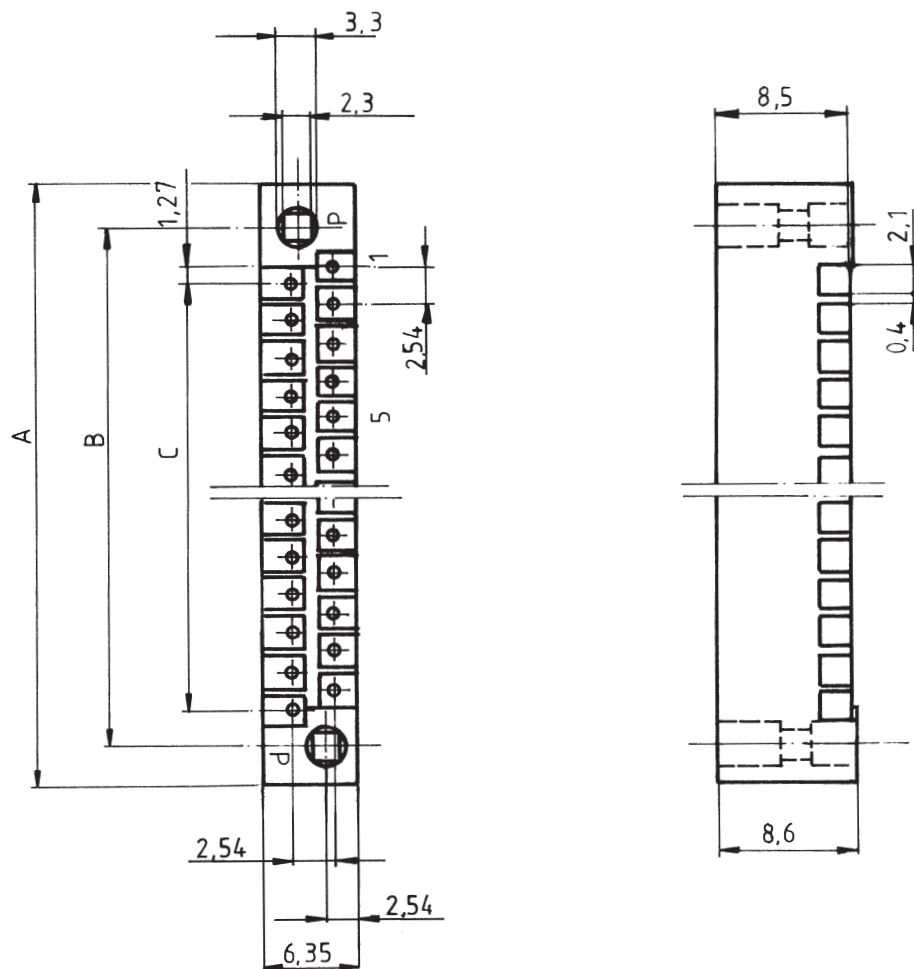
KBE 50



KBE 54

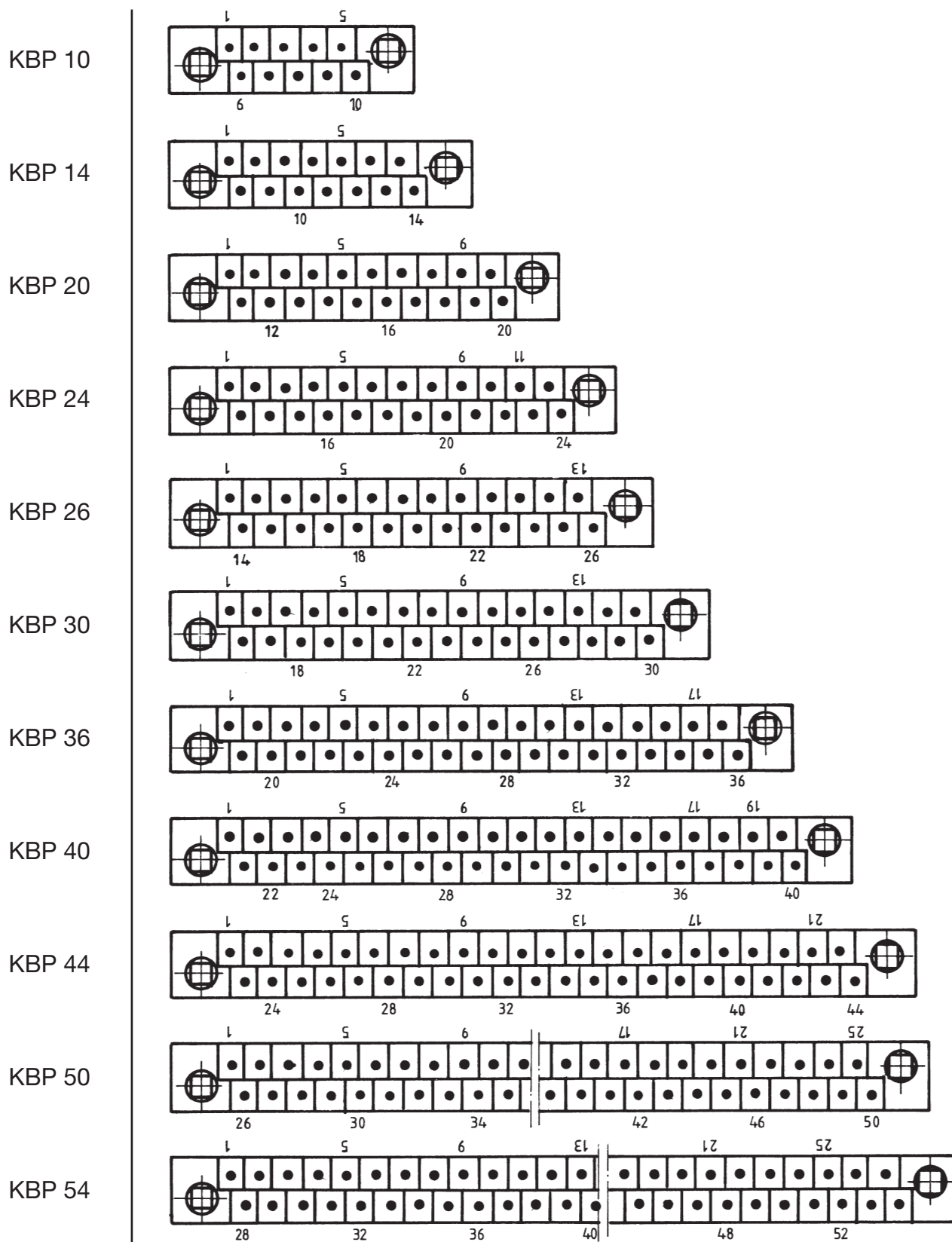


Dimension male part 10 - 54 way

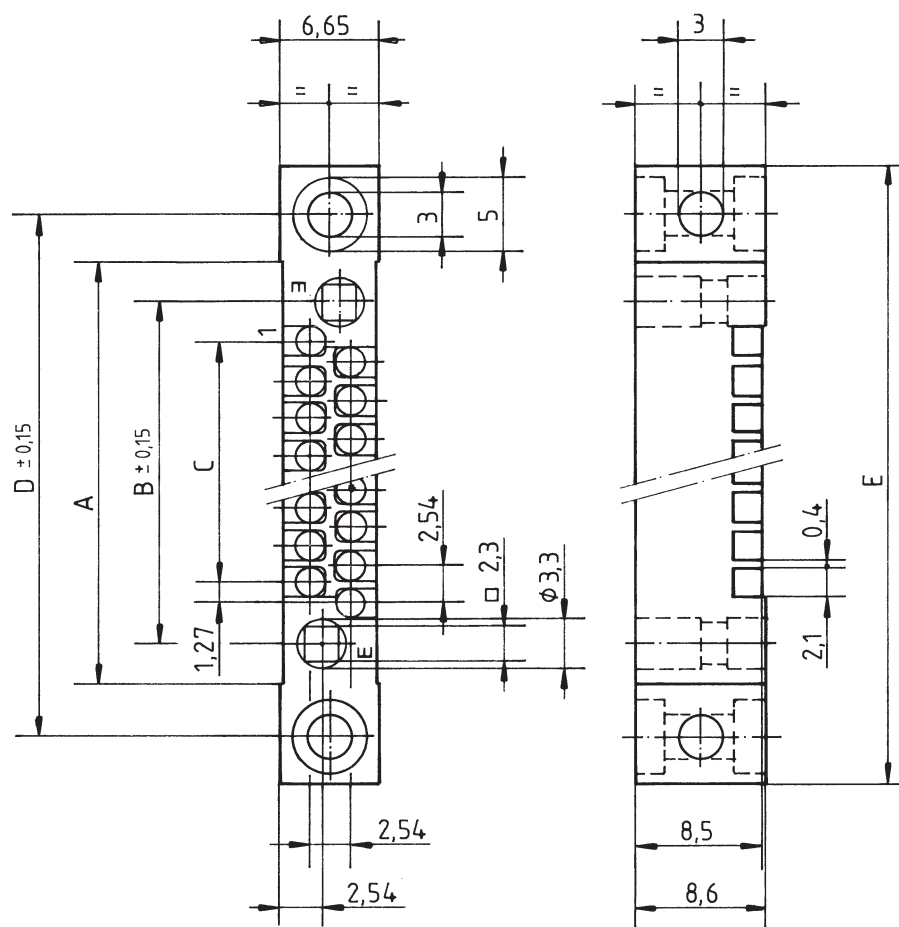


No. of ways	A	B	C
10	21,59	16,51	10,16
14	26,67	21,59	15,24
20	34,29	29,21	22,86
24	39,37	34,29	27,94
26	41,91	36,83	30,48
30	46,99	41,91	35,56
36	54,61	49,53	43,18
40	59,69	54,61	48,26
44	64,77	59,69	53,34
50	72,39	67,31	60,96
54	77,47	72,39	66,04

Insulation body numbering 10 - 54 way: male part view bottom side



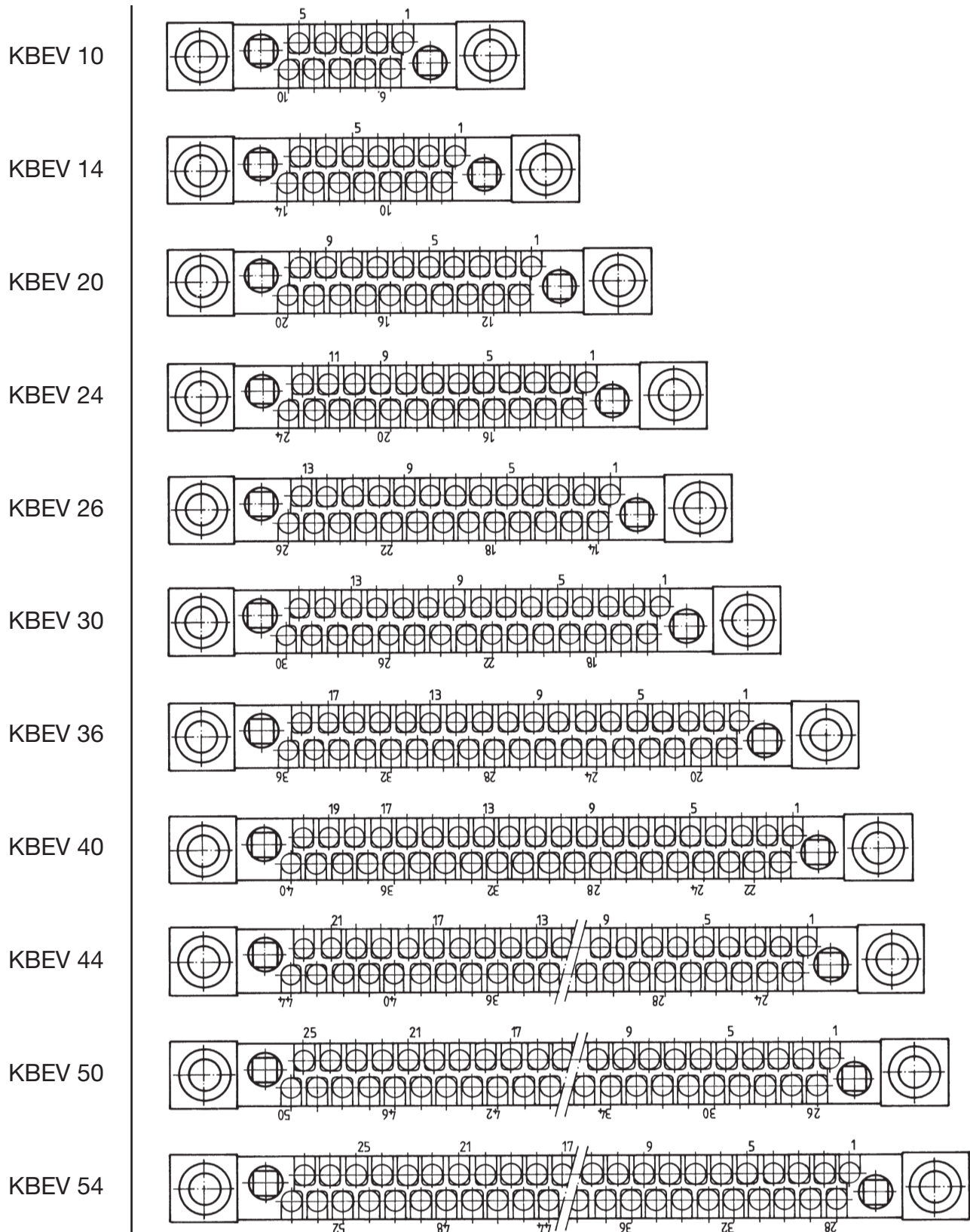
Dimension female part 10 - 54 way



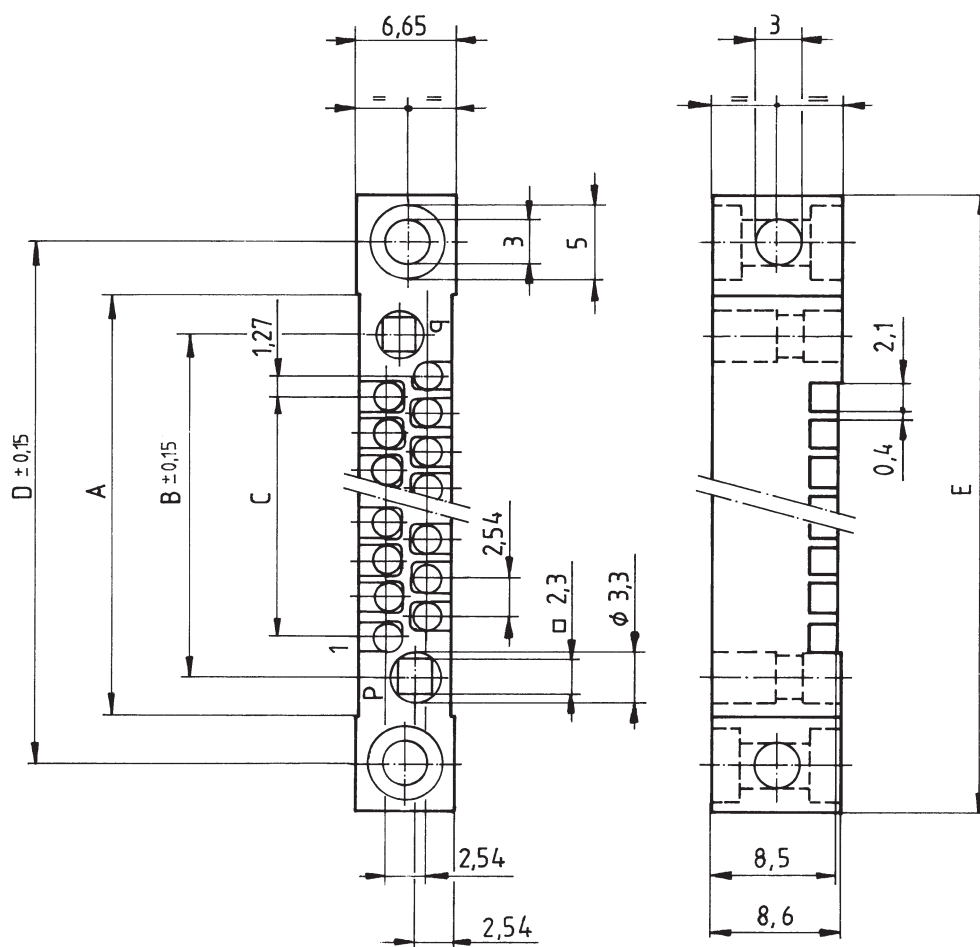
Type	A	B	C	D	E
KBEV10	21,59	16,51	10,16	27,94	34,29
KBEV14	26,67	21,59	15,24	33,02	39,37
KBEV20	34,29	29,21	22,86	40,64	46,99
KBEV24	39,37	34,29	27,94	45,72	52,07
KBEV26	41,91	36,83	30,48	48,26	54,61
KBEV30	46,99	41,91	35,56	53,34	59,69
KBEV36	54,61	49,53	43,18	60,96	67,31
KBEV40	59,69	54,61	48,26	66,04	72,39
KBEV44	64,77	59,69	53,34	71,12	77,47
KBEV50	72,39	67,31	60,96	78,74	85,09
KBEV54	77,47	72,39	66,04	83,82	90,17

Dimensions are in mm

Numbering of insulation bodies with additional fixing holes for direct PCB mounting 10 - 54 way: female part view bottom side

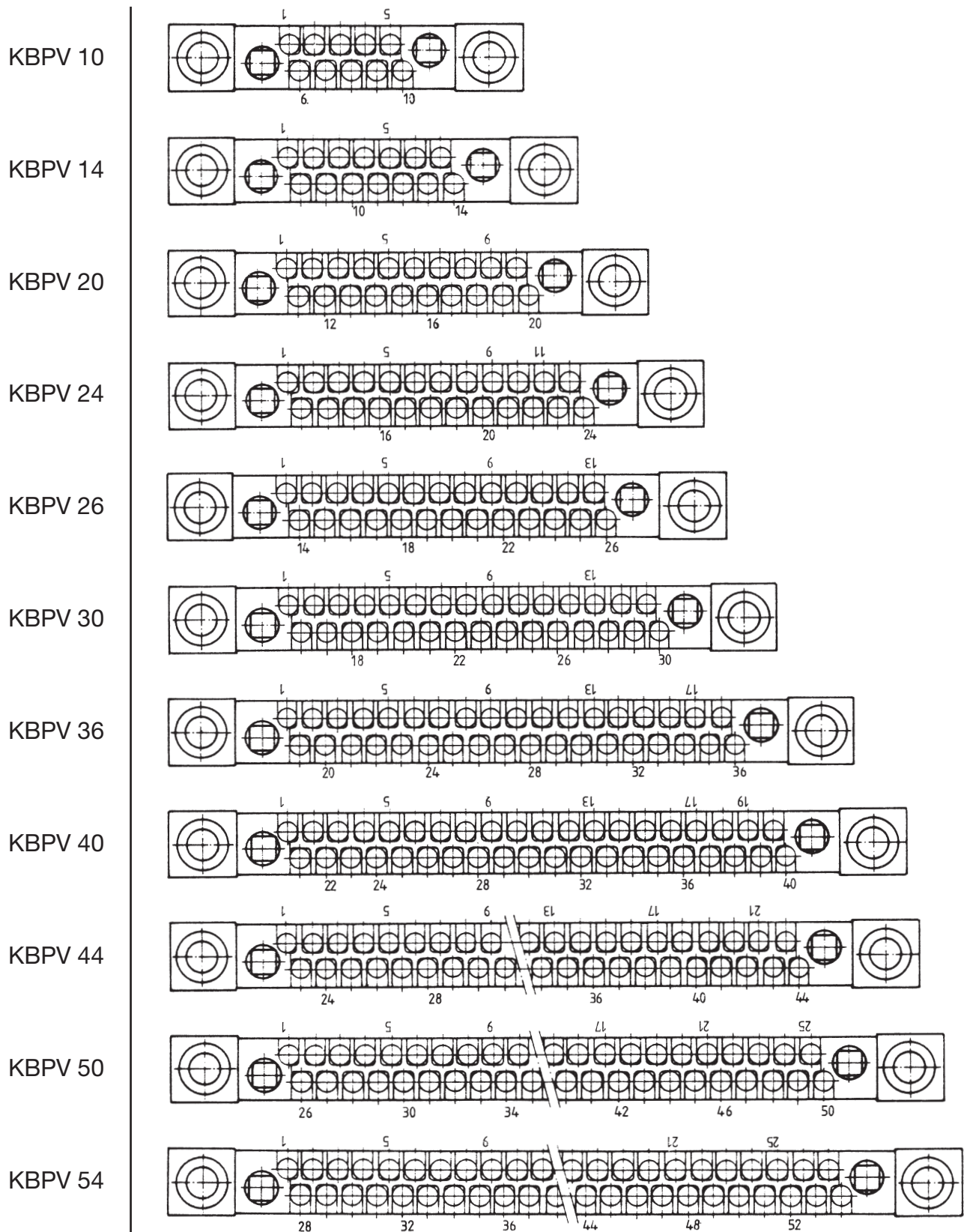


Dimension male part 10 - 54 way



Type	A	B	C	D	E
KBPV10	21,59	16,51	10,16	27,94	34,29
KBPV14	26,67	21,59	15,24	33,02	39,37
KBPV20	34,29	29,21	22,86	40,64	46,99
KBPV24	39,37	34,29	27,94	45,72	52,07
KBPV26	41,91	36,83	30,48	48,26	54,61
KBPV30	46,99	41,91	35,56	53,34	59,69
KBPV36	54,61	49,53	43,18	60,96	67,31
KBPV40	59,69	54,61	48,26	66,04	72,39
KBPV44	64,77	59,69	53,34	71,12	77,47
KBPV50	72,39	67,31	60,96	78,74	85,09
KBPV54	77,47	72,39	66,04	83,82	90,17

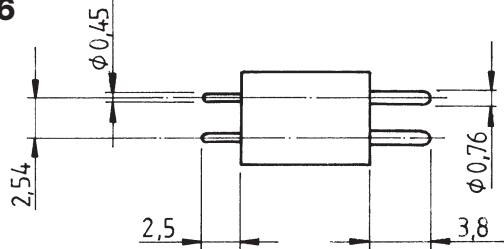
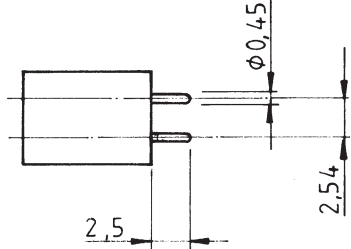
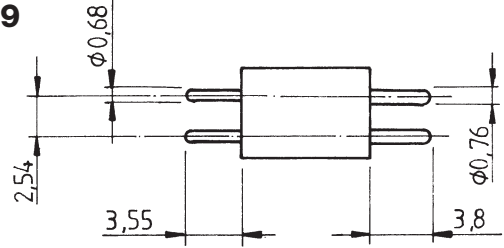
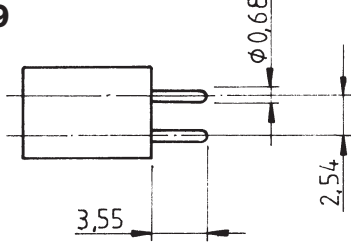
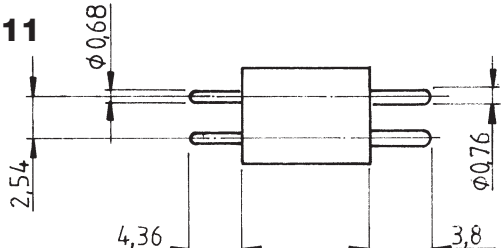
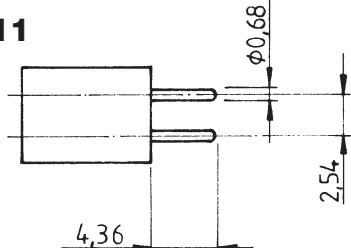
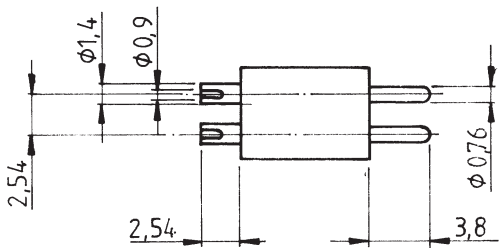
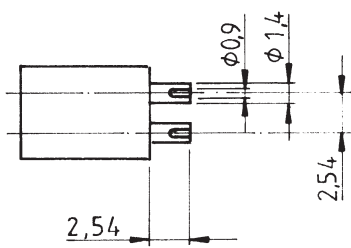
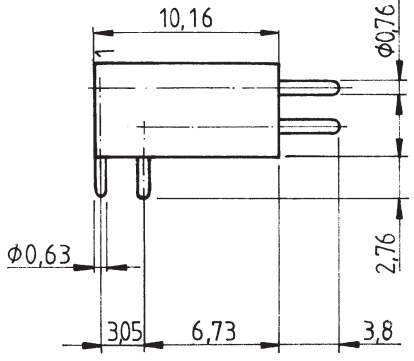
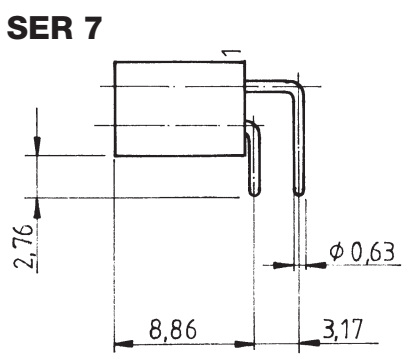
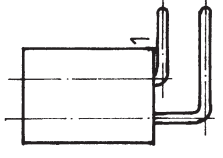
Numbering of insulation bodies with additional fixing holes for direct PCB mounting 10 - 54 way: male part view bottom side



Termination styles

Pin contact

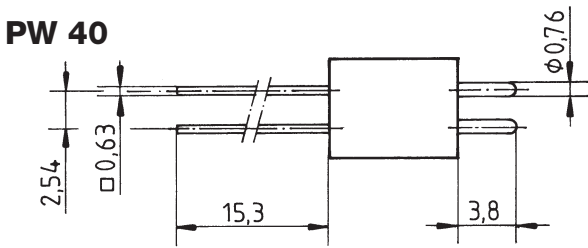
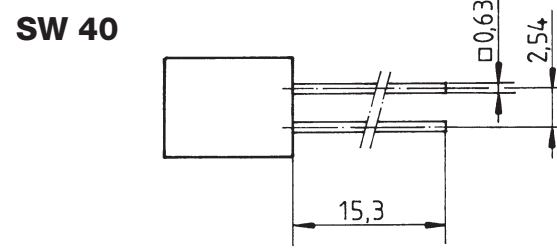
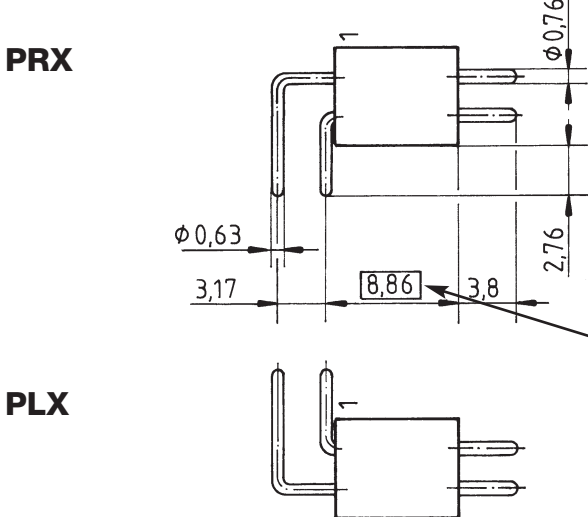
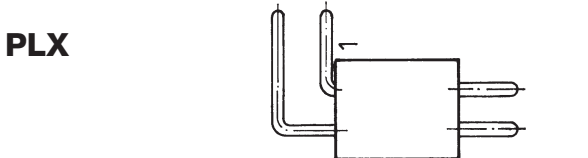
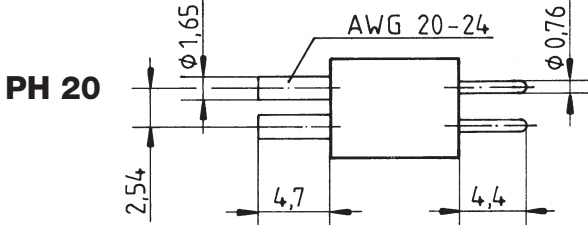
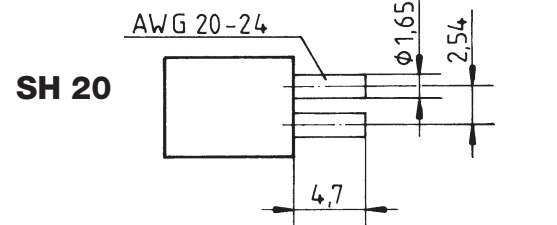
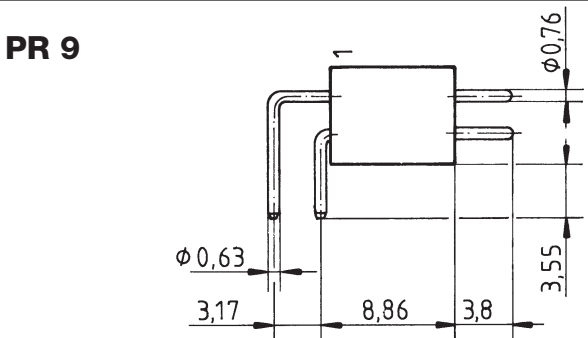
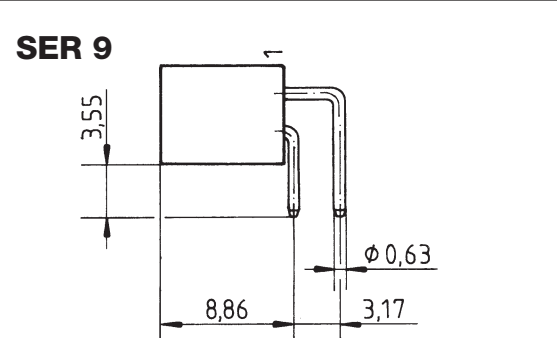
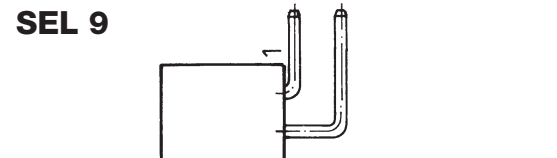
Socket contact

Flex termination	PF 6 	SF 6 
	PD 9 	SED 9 
TBS	PD 11 	SED 11 
TBS	PC 	SEC 
Solder cup	PR 7* 	SER 7 
R/A TBS		SEL 7 

* Material of insulating body: DAP pins moulded

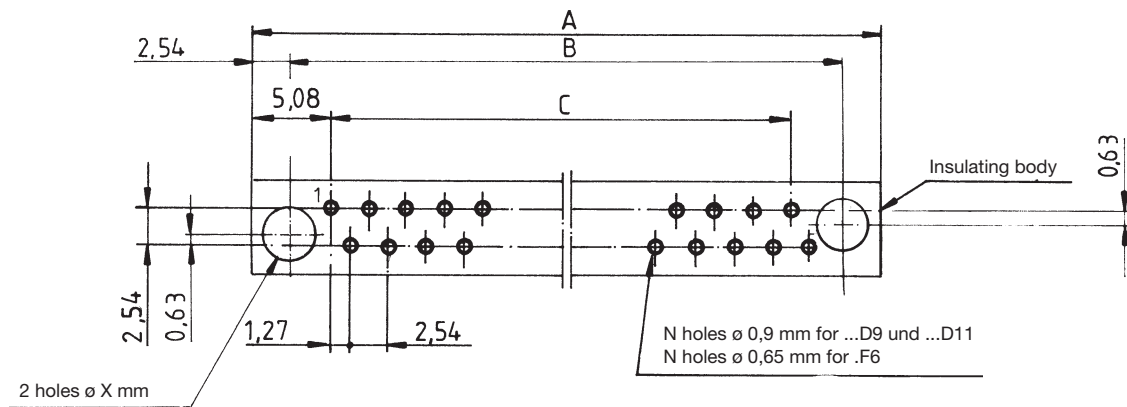
Dimensions are in mm

Termination styles

	Pin contact	Socket contact
Straight wire wrap	PW 40 	SW 40 
	PRX 	
R/A TBS	PLX 	
Crimp termination with removable contacts	PH 20 	SH 20 
	Part Number Extraction tool: B 048 Crimping tool: Buchanan M 22520/2-01 Positioner: B 049	
	Only available for insulating body types KBE and KBP, not available for insulating body types KBEV and KBPV	
R/A TBS	PR 9 	SER 9 
		SEL 9 

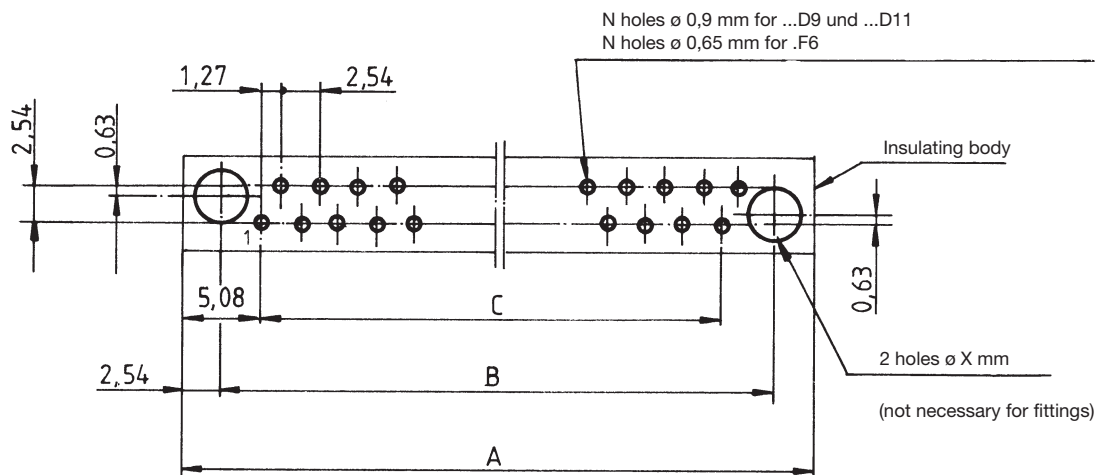
Dimensions are in mm

Motherboard connection diagram, female part top view

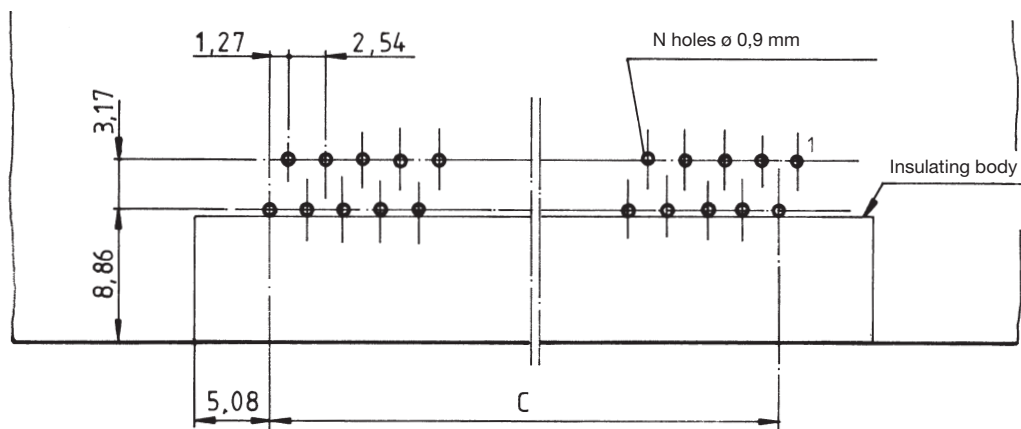


No. of ways	A	B	C
10	21,59	16,51	10,16
14	26,67	21,59	15,24
20	34,29	29,21	22,86
24	39,37	34,29	27,94
26	41,91	36,83	30,48
30	46,99	41,91	35,56
36	54,61	49,53	43,18
40	59,69	54,61	48,26
44	64,77	59,69	53,34
50	72,39	67,31	60,96
54	77,49	72,39	66,04

Daughterboard connection diagram, male part top view



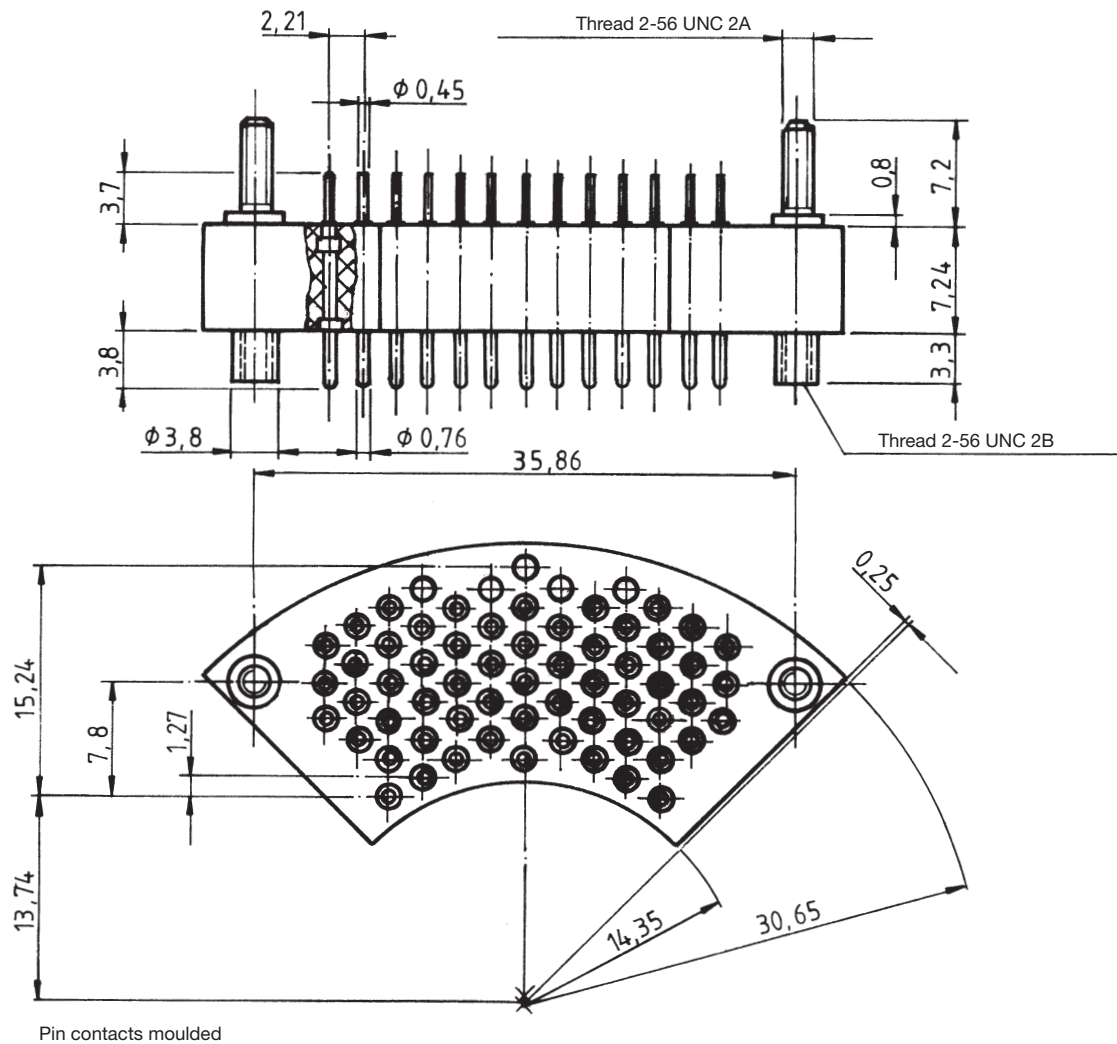
Type PRX, PR9, SER7, SER9



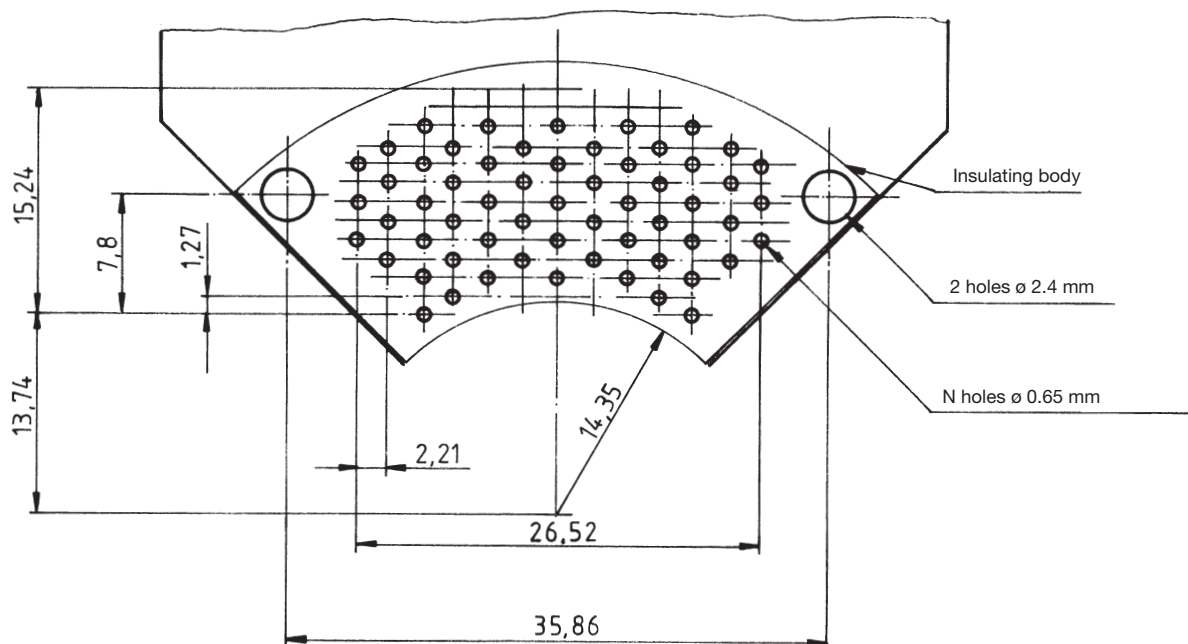
Dimension for segment connector 59 way male part

Part Number

KB 59 SP PF6 J



Connection diagram male part

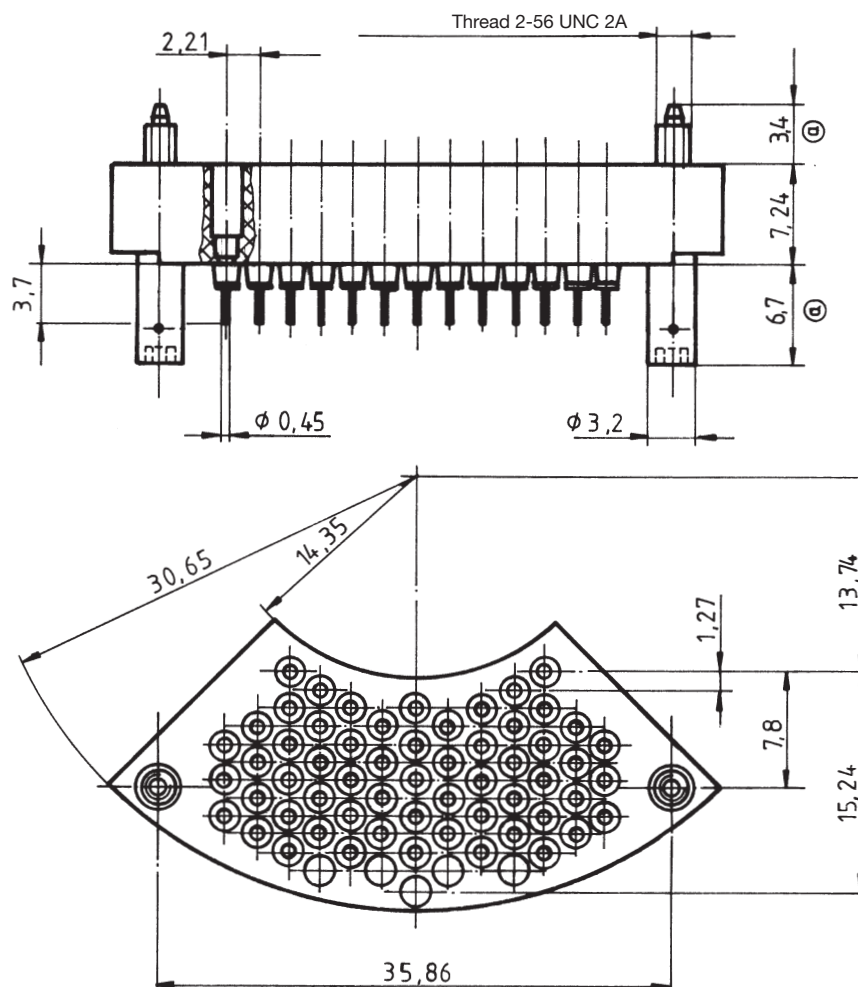


Dimensions are in mm

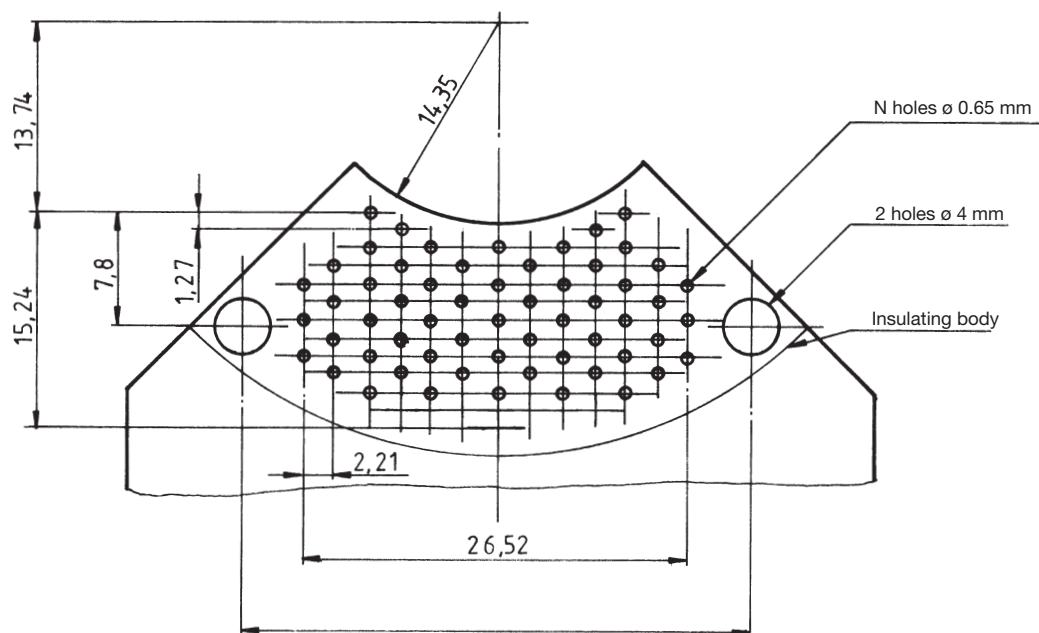
Dimension for segment connector 59 way female part

Part Number

KB 59 SP SF6 JTB

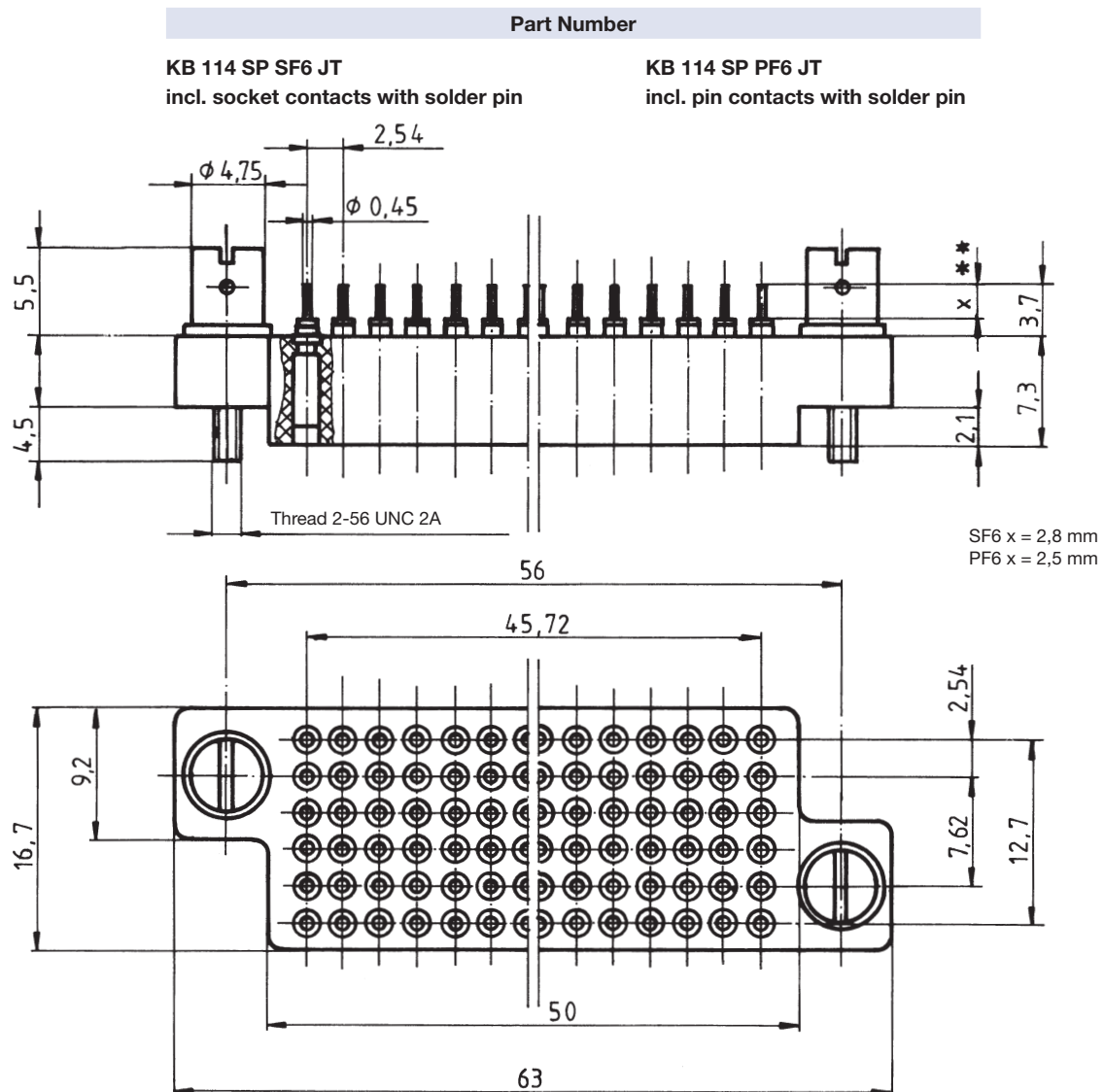


Connection diagram female part

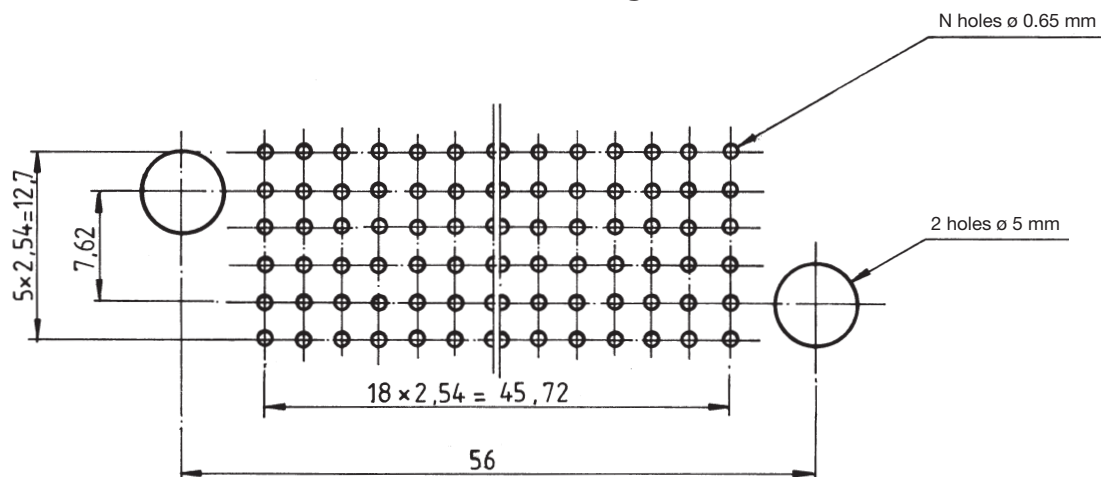


Dimensions are in mm

Dimension for special design connectors 114 way



Connection diagram



Dimensions are in mm