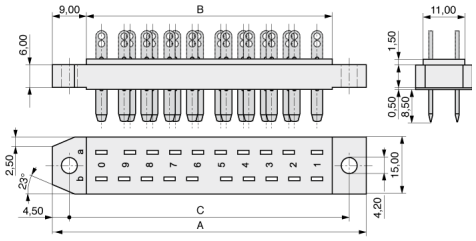
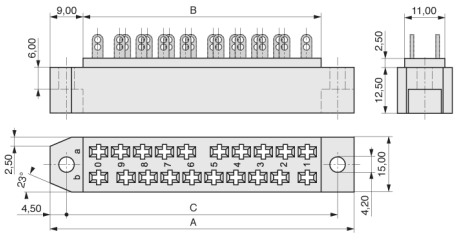
Connectors according to DIN 41 622

Telegärtner

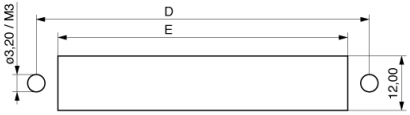
Male 8, 12, 16 & 20 way



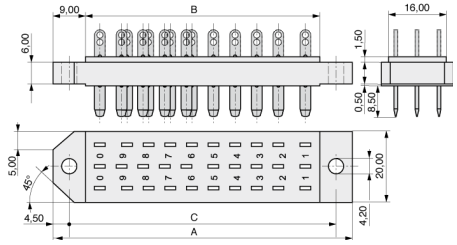
Female 8, 12, 16 & 20 way



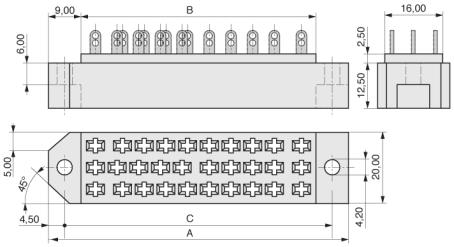
Panel piercing 8,12,16 & 20 way



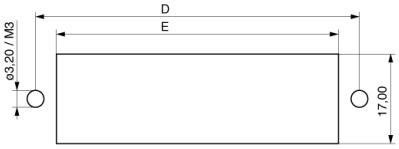
Male 30 way



Female 30 way



Panel piercing 30 way



Order no.	Short name	Size in mm	Remarks
J00044A0910	male connector A 8	A=47; B=29; C=38; D=38; E=32	solder terminals, 8-way
J00040A0911	female connector B 8	A=47; B=29; C=38; D=38; E=32	solder terminals, 8-way
J00045A0912	male connector A 12	A=59; B=41; C=50; D=50; E=43	solder terminals, 12-way
J00041A0913	female connector B 12	A=59; B=41; C=50; D=50; E=43	solder terminals, 12-way
J00045A0914	male connector A 16	A=71; B=53; C=62; D=62; E=55	solder terminals, 16-way
J00041A0915	female connector B 16	A=71; B=53; C=62; D=62; E=55	solder terminals, 16-way
J00045A0916	male connector A 20	A=83; B=65; C=74; D=74; E=68	solder terminals, 20-way
J00041A0917	female connector B 20	A=83; B=65; C=74; D=74; E=68	solder terminals, 20-way
J00046A0918	male connector A 30	A=83; B=65; C=74; D=74; E=68	solder terminals, 30-way
J00042A0919	female connector B 30	A=83; B=65; C=74; D=74; E=68	solder terminals, 30-way

Connectors according to DIN 41 622 are knife-/spring contact types. Its rugged design causes a reliable electrical connection. They are mainly used in plug in unit designs and as cable connectors, using metal-/plastic housings with corresponding coding and locking parts. The termination is soldering. Male connectors with terminals for PCB mounting and with wire wrap posts are possible (on request).

Mechanical Characteristics	DIN 41 618	DIN 41 622
Withdrawal force of a single knife	≥ 0.8 N	≥ 0.8 N
Durability (mating cycles)	≥ 500	≥ 500
Material: contact (finish)	≥ 6 µm Ag	≥ 6 µm Ag
Material: insulators	PC gv black	PC gv black
Material: knife contacts	2.5 x 1 mm	3.0 x 1 mm
Material: terminators	solderable tinned	solderable tinned
Climatic Characteristics		
Tested / classified in accordance with DIN IEC 60068-1	40/085/21	40/085/21
Electrical Characteristics		
Insulation resistance	≥ 1000 MΩ	≥ 1000 MΩ
Voltage proof	1500 V_{eff}/50 Hz	1500 V_{eff}/50 Hz
Working voltage	250 AC / 200 DC	380 AC / 450 DC
Working current at environmental temperature 20° C	6 A	8 A
Working current at environmental temperature 40° C	5 A	6 A
Working current at environmental temperature at 60° C	3 A	4 A