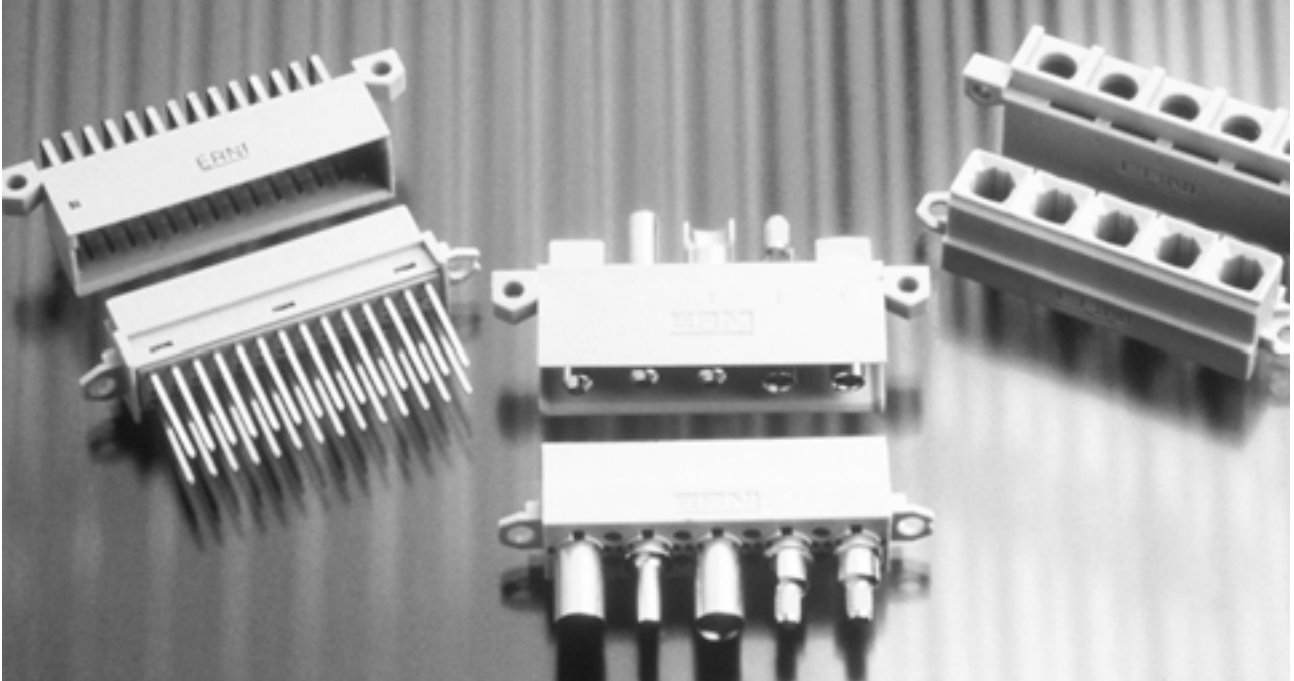


Eurocard Center Connector



General information

These Eurocard center connectors fit precisely between two connectors mounted on a standard double Eurocard. The connector mounting flanges are standardized so that the Eurocard center connectors can be combined with size B, C, D, E, E 160, M and H 11 male connectors and with the size Q and R reverse female connectors as per DIN 41612/IEC 60603-2.

In addition to the version with a maximum of 42 signal contacts up to 4 A there is a second configuration with a maximum of 5 special contacts.

The latter are either high current contacts up to 40 A or coaxial contacts.

Electrical and mechanical characteristics

Max. number of poles	42
Temperature range	-65° C ...+ 125° C
Working current at + 20° C (293 K)	4,0 A
ambient + 70° C (343 K)	2,0 A
temp. of + 100° C (373 K)	1,0 A
Test voltage 50 Hz, 1 min. contact/contact	1000 V eff

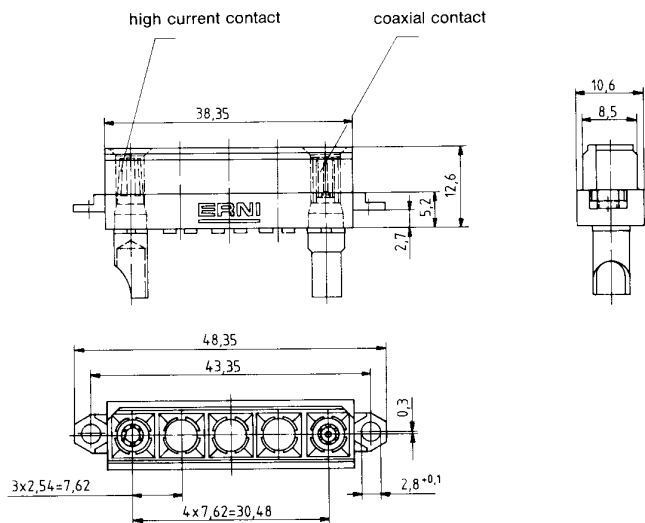
More electrical and mechanical characteristics according to the size C as per DIN 41612/IEC 60603-2.

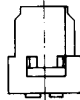
Creeping current strenght (as per DIN IEC 112)	CTI 275 CTI 175 M
Service life to DIN 41612/IEC 60603-2 Part 5	Qua- lity class 1 \geq 500 Mating-cycles 2 \geq 400 Mating-cycles 3 \geq 50 Mating-cycles
Housing material Male and female halves	PBT 30 % fibre enhanced
Inflammability	Non flammable as per UL 94 V-0

Circuit board specifications for the press-in technique are contained in a separate „ERNIPRESS“ data sheet.

Dimensions and ordering information

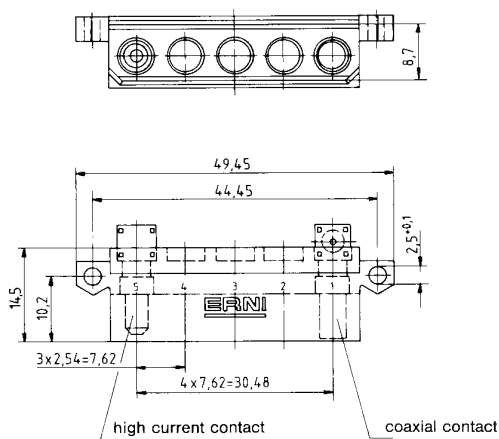
Female half, 5 poles for special contacts




	STV-ZW 5-F	
PBT	424359	

DIN 41612

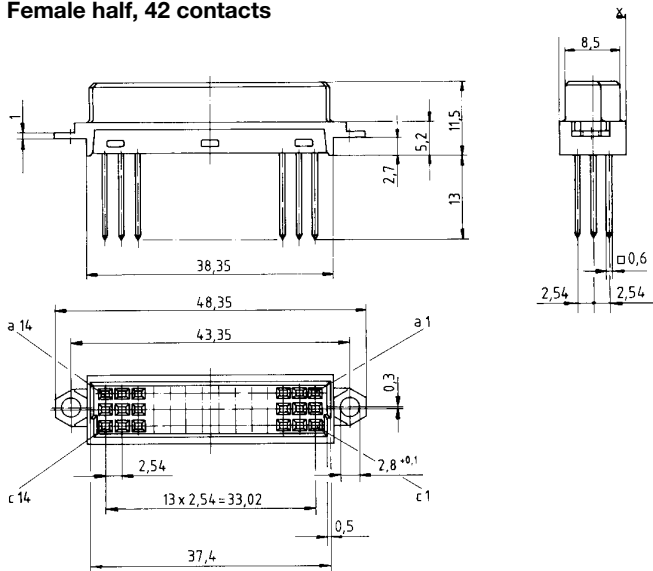
Male half, 5 poles for special contacts



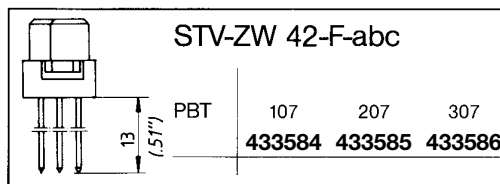
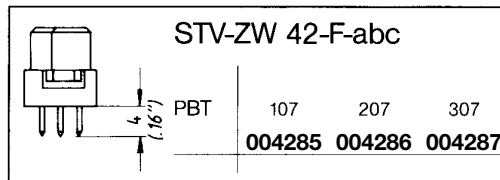
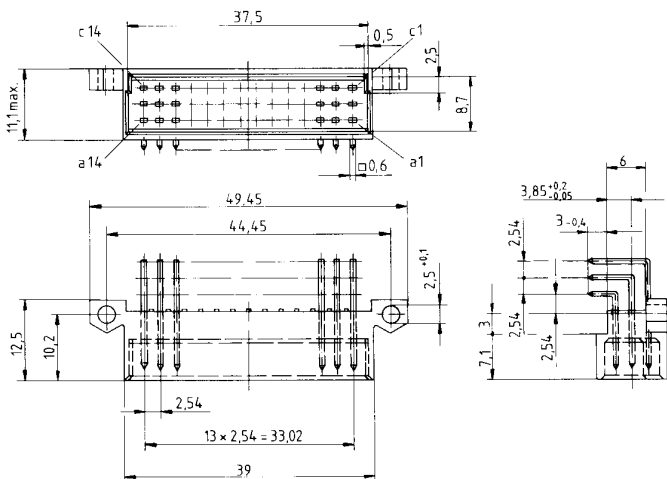
	STV-ZW 5-M	
PBT	424358	

Dimensions and ordering information

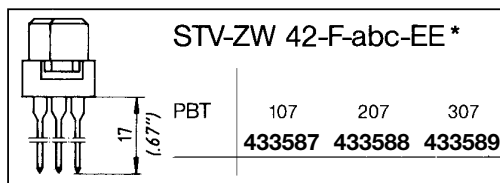
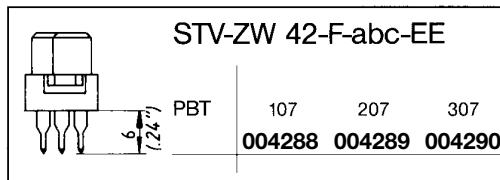
Female half, 42 contacts



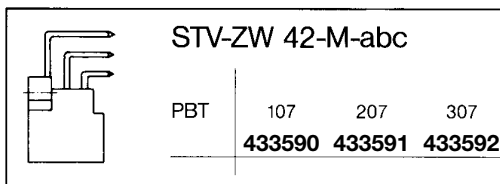
Male half, 42 contacts



ERNIPRESS EE compliant press-in zone



* also available with transfer zone terminations



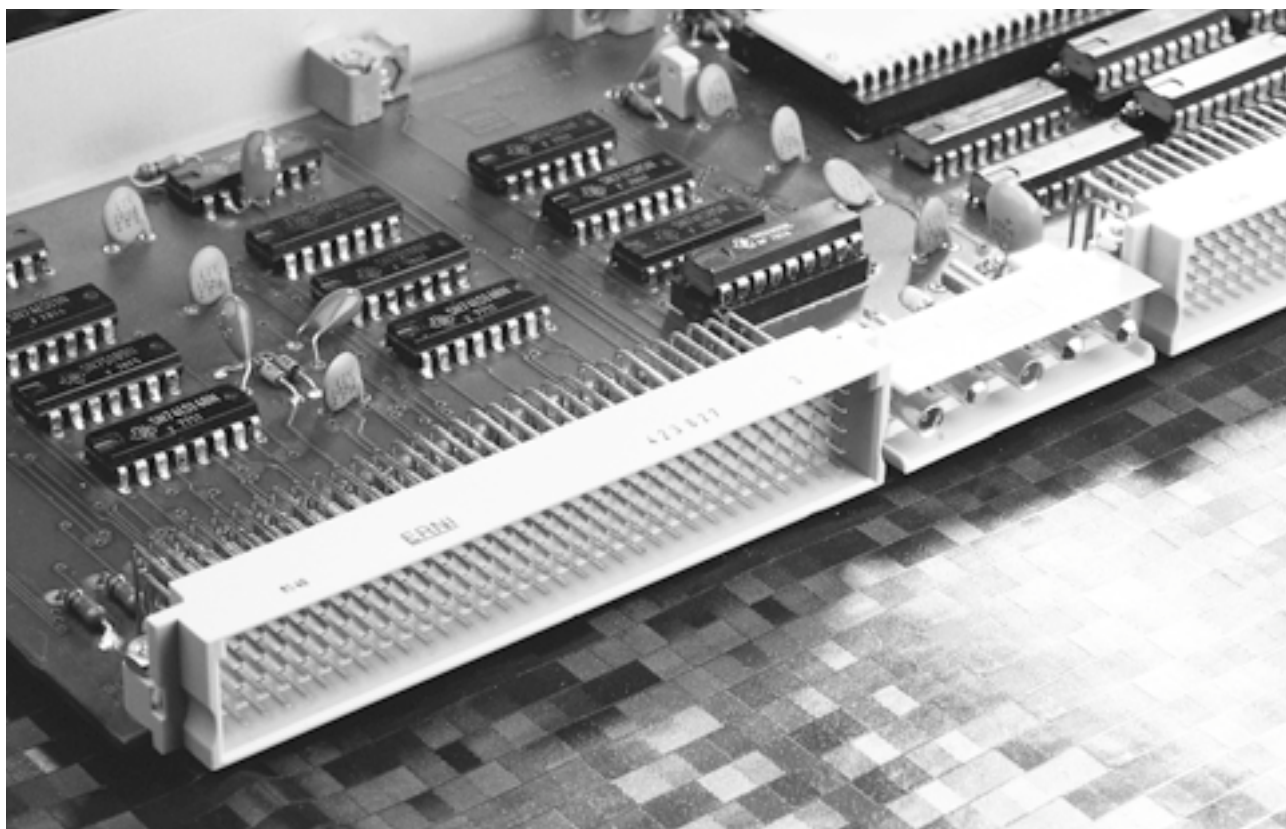
also available with

- straight dip solder terminals
- straight wire-wrap terminations

Quality classes/Executions

- | | | | | | |
|------------|---|------------|---|------------|--|
| 107 | Meets the requirements of
DIN 41612/IEC 60603-2
quality class 1
500 mating cycles,
contact areas gold-plated
connection areas tin-plated | 207 | Meets the requirements of
DIN 41612/IEC 60603-2
quality class 2
400 mating cycles,
contact areas gold-plated
connection areas tin-plated | 307 | Meets the requirements of
DIN 41612/IEC 60603-2
quality class 3
50 mating cycles,
contact areas gold-plated
connection areas tin-plated |
|------------|---|------------|---|------------|--|

Applications



DIN 41612

If extra connections are required on a standard double Eurocard, the Eurocard center connector can be mounted between the DIN 41612/IEC 60603-2 connectors. These connections can be used as signal contacts up to 4 A, high current contacts up to 40 A or coaxial contacts.

Typical applications for coaxial contacts are:

- Image processing and graphics cards for CAD computers
- Computer-controlled HF measuring and testing devices
- Computer networks

With these coaxial contacts signals with frequencies up to GHz range can be transmitted.

The contacts have a characteristic impedance of 50Ω or 75Ω so that they can be adapted to the cable system used. Contact attenuation is below 1 dB at each contact point.

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