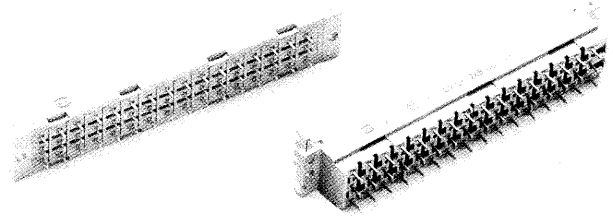


Number of contacts

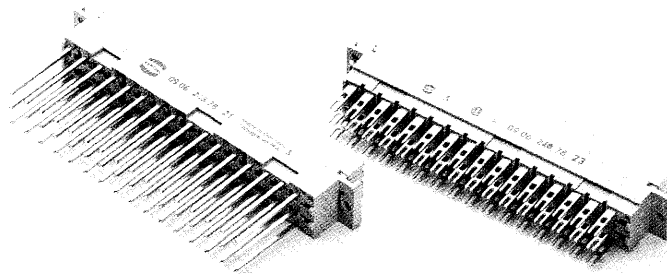
48, 32



Female connectors

Identification	Number of contacts	Contact arrangement	Part No. Performance levels according to DIN 41 612, explanations page 10				
			3	2	1		
Female connector with solder pins 3.2 mm	48		09 06 248 7848 09 06 248 7833 ¹⁾	09 06 248 6848 09 06 248 6833 ¹⁾	09 06 248 2848* 09 06 248 2833 ¹⁾ *		
	32		09 06 232 7848 09 06 232 7833 ¹⁾	09 06 232 6848 09 06 232 6833 ¹⁾	09 06 232 2848* 09 06 232 2833 ¹⁾ *		
	32		09 06 232 7858 09 06 232 7893 ¹⁾	09 06 232 6858 09 06 232 6893 ¹⁾	09 06 232 2858* 09 06 232 2893 ¹⁾ *		
	Female connector with solder pins 4.5 mm	48		09 06 248 7835 09 06 248 7834 ¹⁾	09 06 248 6835 09 06 248 6834 ¹⁾	09 06 248 2835* 09 06 248 2834 ¹⁾ *	
		32		09 06 232 7835 09 06 232 7834 ¹⁾	09 06 232 6835 09 06 232 6834 ¹⁾	09 06 232 2835* 09 06 232 2834 ¹⁾ *	
		32		09 06 232 7845 09 06 232 7894 ¹⁾	09 06 232 6845 09 06 232 6894 ¹⁾	09 06 232 2845* 09 06 232 2894 ¹⁾ *	
		Female connector with wrap posts 22 mm	48		09 06 248 7821	09 06 248 6821	09 06 248 2821*
			32		09 06 232 7821	09 06 232 6821	09 06 232 2821*
			32		09 06 232 7831	09 06 232 6831	09 06 232 2831*
Female connector with solder lugs	open solder lug 	48	09 06 248 7823	09 06 248 6823	09 06 248 2823*		
		32	09 06 232 7823	09 06 232 6823	09 06 232 2823*		
		32	09 06 232 7843	09 06 232 6843	09 06 232 2843*		
	closed solder lug 	48	09 06 248 7853	09 06 248 6853	09 06 248 2853*		
		32	09 06 232 7853	09 06 232 6853	09 06 232 2853*		
		32	09 06 232 7863	09 06 232 6863	09 06 232 2863*		

F/FC

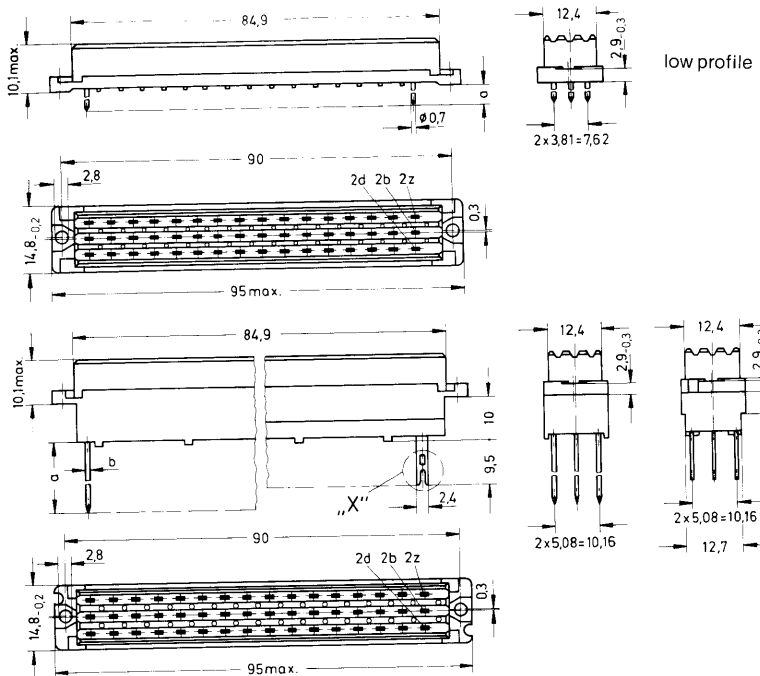


Identification

Female connectors
type F
DIN 41612

Drawing

Dimensions in mm



a
3,2
4,5

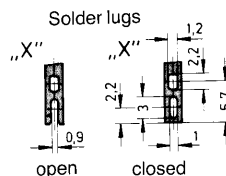
Solder pins

a	b
3,2	0,6
4,5	

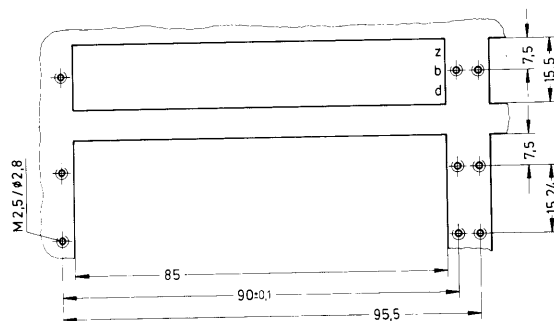
Solder pins

a	b
22	1

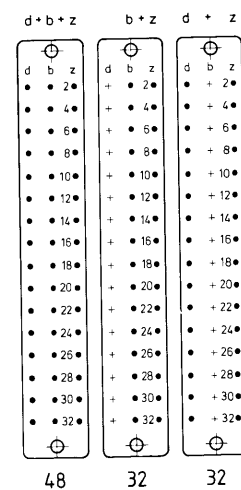
Wrap posts



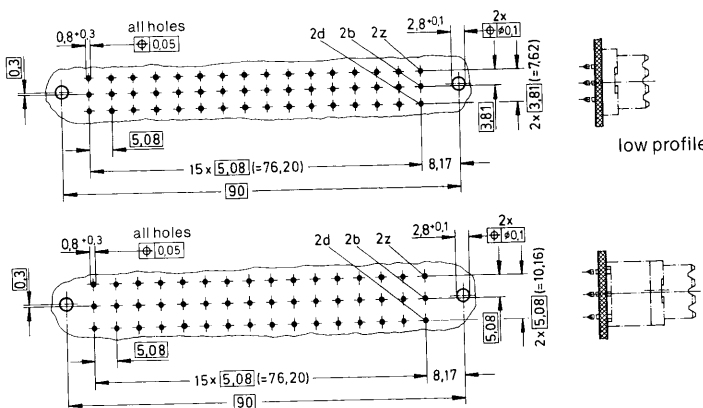
Panel cut out



Contact arrangement
View from termination side



Board drillings



Mating conditions page 10
Marking strips page 92
Coding information page 88

F/FC

Performance level 3 as per DIN 41 612, part 5

50 mating cycles.
Then visual inspection no gas test.
No functional impairment.

Part-number-explanation 09 7..

Performance level 2 as per DIN 41 612, part 5

400 mating cycles.
200 mating cycles 4 days gas test using 10 ppm SO₂.
Measurement of contact resistance.
200 mating cycles then visual inspection. No abrasion of the contact finish through to the base material.
No functional impairment.

Part-number-explanation 09 6..

Performance level 1 as per DIN 41 612, part 5

500 mating cycles.
250 mating cycles 21 days gas test using 10 ppm SO₂.
Measurement of contact resistance.
250 mating cycles then visual inspection. No abrasion of the contact finish through to the base material.
No functional impairment.

Part-number-explanation 09 2..

VG Version as per VG 95 324, part 1

500 mating cycles – then 1 day gas test using 10.000 ppm SO₂ and 1 day gas test using 10.000 ppm H₂S.
Then visual inspection. No abrasion of the contact finish through to the base material. No functional impairment.

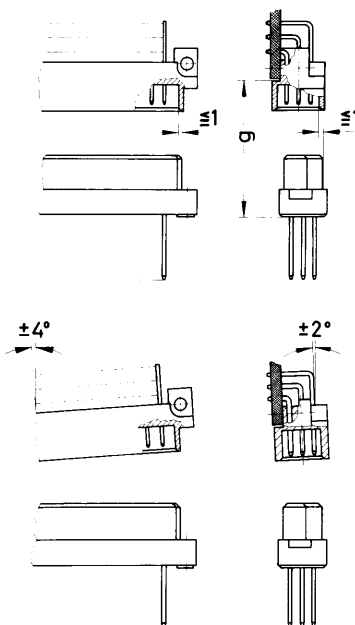
Part-number-explanation 09 4..

Other plating finishes available on request.

Mating conditions

To ensure reliable connections and prevent unnecessary damage, please refer to the application data diagrams.

These recommendations are set out in DIN 41 612 P. 1.
The connectors shall not be coupled and decoupled under electrical load.

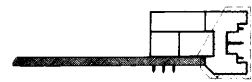


g = 12,4 - 14,2

Soldering the male connectors into P.C. Boards

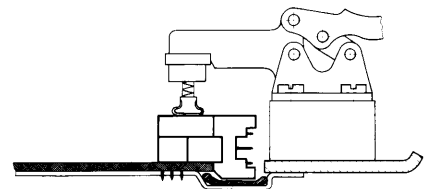
The male connectors of the Gds A series should be protected when soldering using dip, flow or film soldering baths, against contamination as a result of soldering operations or deformation of the connector bodies as a result of overheating.

- ① For prototypes and short runs cover the connectors with an industrial adhesive tape, e.g. Tesaband 4657 grey. Tape the underside of the connector moulding and adjacent parts of the P.C. Board and tape up the open end of the connector. This will prevent heat and gases from the soldering apparatus damaging the connector. About 140 + 5 mm of tape should be sufficient.
- ② For large run production a jig is recommended. This has a protective cover with a fast action mechanical locking device that shields the connector from the gas and heat generated by the soldering apparatus. For additional protection a foil can be used covering parts not to be soldered.



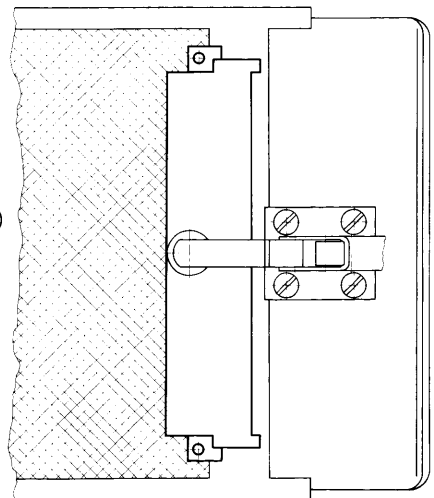
Adhesive tape

①



Intermediate foil

②



Identification

Part No.

Drawing

Dimensions in mm

Marking strips
for female
connectors

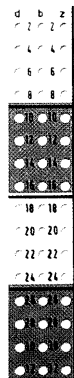
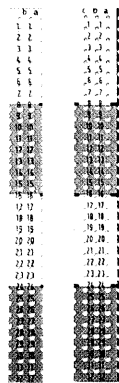
When using female connectors with wrapping posts in small and medium-sized quantities the wiring on a fully automated wiring machine is not always justified. However, when working with a manual wiring device there may be a problem of identification of the correct terminal, especially when using a high packing-density.

Therefore HARTING has developed marking strips with green and white printed fields showing also the row-letters and terminal-numbers. These can be mounted on the female connectors before starting the wiring.

Colour of letters/figures: black
Colour of fields: white/green

Gds A-B
09 02 000 9939

Gds A-C
09 03 000 9939



Gds A-F/FC
09 06 000 9939

Starting with white field

09 06 000 9940

Starting with green field

