

D-Sub

Right Angle Surface Mount Connector Lead-free Economical Interface Solution for SMT Applications



General

Modern Sub Rack Technology is increasing the demand for SMT components along with the requirement for the connectors supporting this technology. ERNI is meeting the need by developing a new generation of the classic I/O D-Sub connector which uses surface mount technology. SMT connectors are designed specifically for fully automatic assembly and solder process:

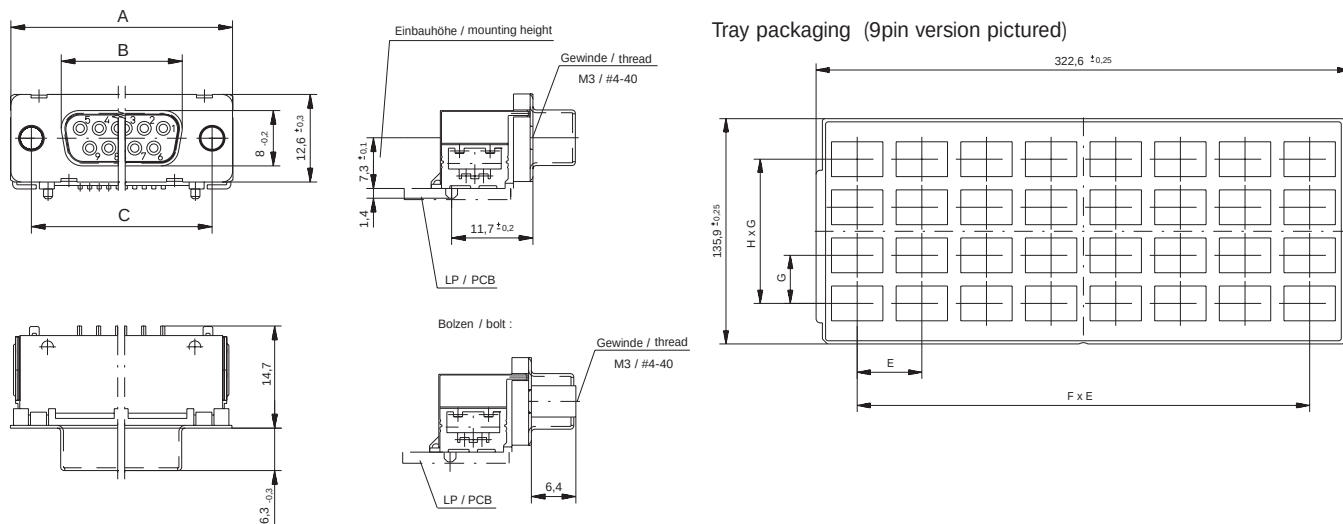
- Pick and Place area for vacuum pipette
- Tray packaging for automatic feeding of PCB assembly machines
- Black insulator for mating and cable force absorption
- Metal bracket for tilt-free positioning which also absorbs mating forces
- High Temperature plastic housing
- Well balanced for not tilting during assembly and solder process

Technical Characteristics

- Configurations: 9, 15, 25 and 37 pin
- Assembly Heights:
Standard: 7.3 mm for 4HP Subunits
Eurostyle: 3.6mm for 3HP Subunits
- Design acc. to DIN 41652 and CECC 75301-802
- Creepage and Clearance: 1.2 mm
- Materials:
Contact: Copper Alloy
Insulator: LCP
Front Metal Shell: Steel
Metal bracket: Copper Alloy
- Plating:
Contact: Mating Area: Gold plated
Termination: Sn
Metal Shell: Sn
Metal Bracket: Sn

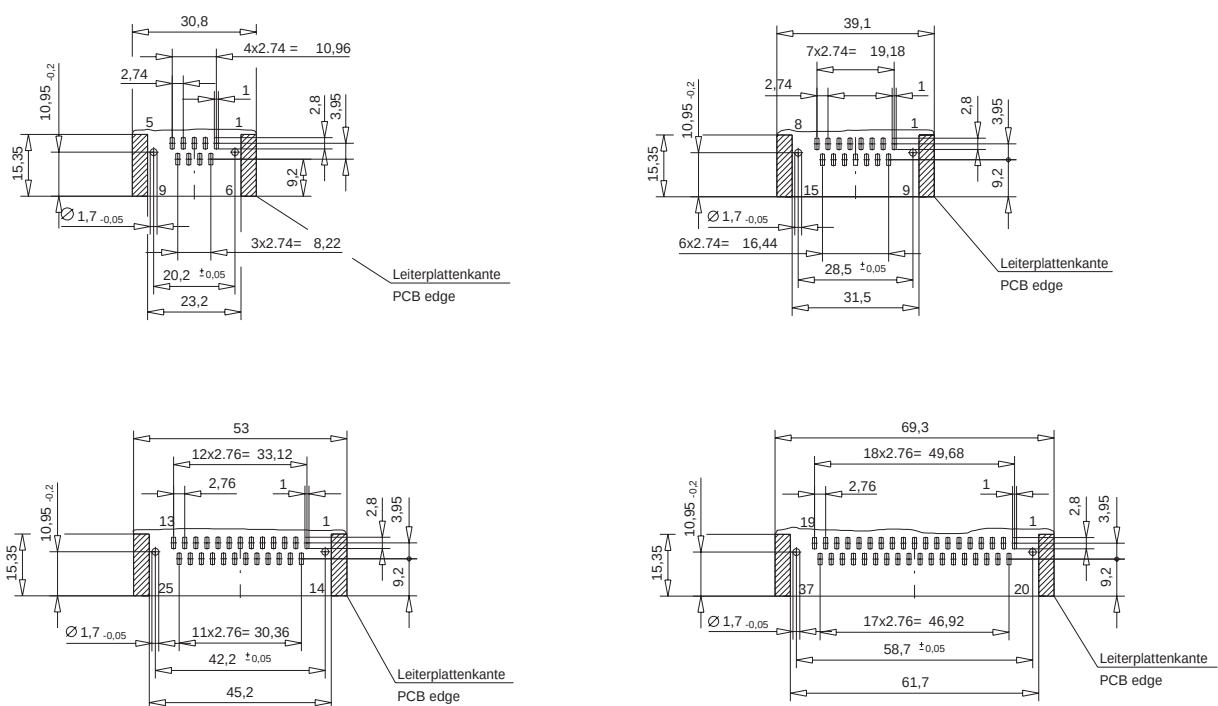
Right Angle Female Standard SMT Connectors

Dimensions



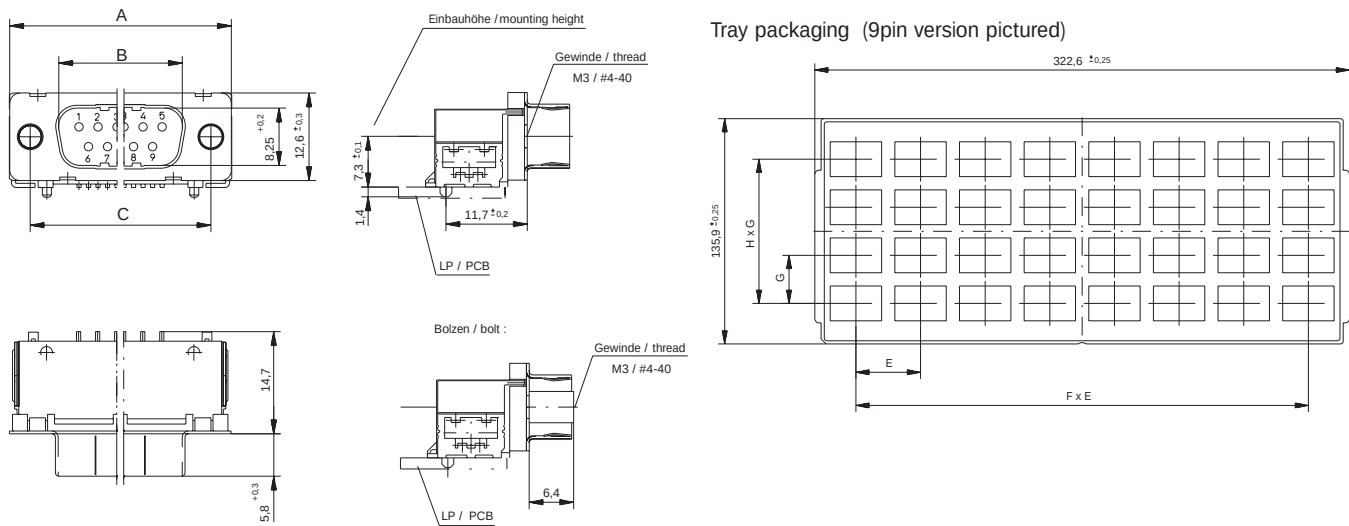
Dimension	9 pin	15 pin	25 pin	37 pin
A ±0.3	30.8	39.1	53.0	69.3
B -0.2	16.8	25.1	38.9	55.3
C ±0.2	25.0	33.3	47.0	63.5
E	36	44	58	73.5
F	7	5	4	3
G	28	28	28	28
H	3	3	3	3
Packaging unit	32	24	20	16

PCB Layouts



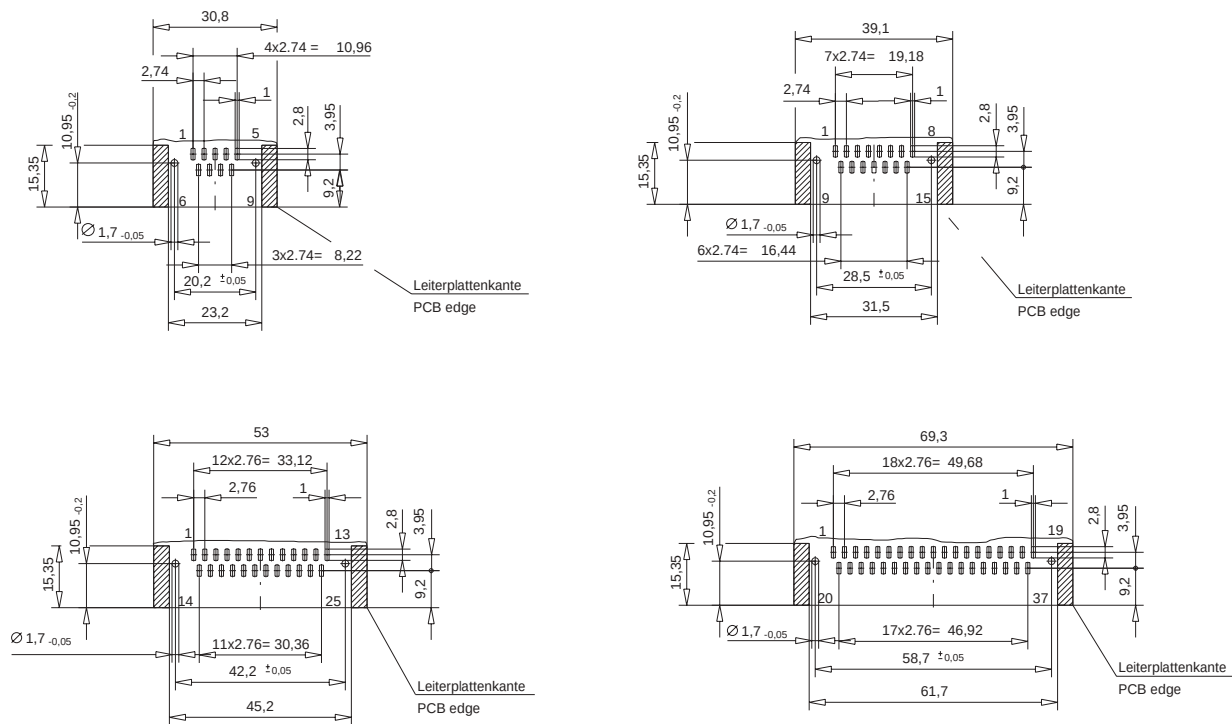
Right Angle Male Standard SMT Connectors

Dimensions



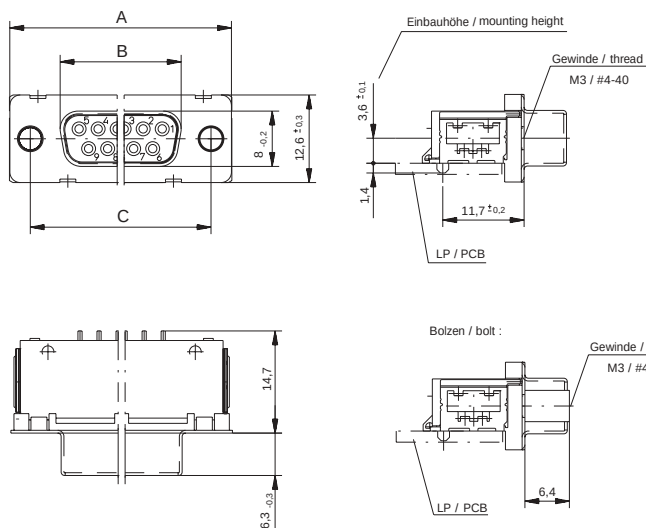
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PCB Layout

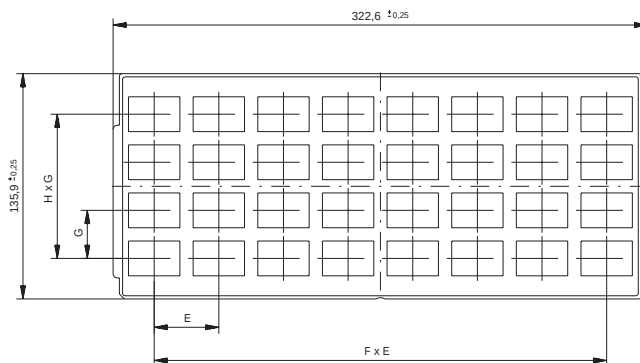


Right Angle Female Eurostyle SMT Connectors

Dimensions

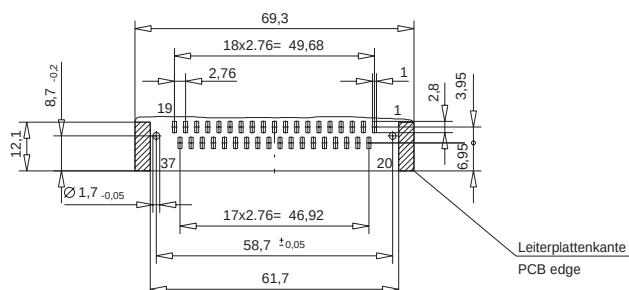
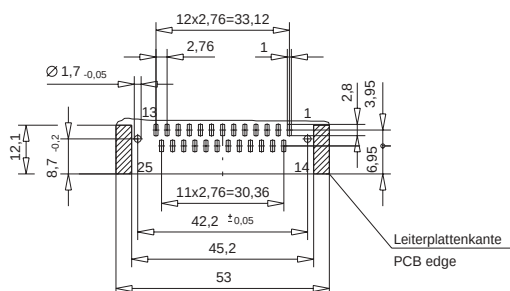
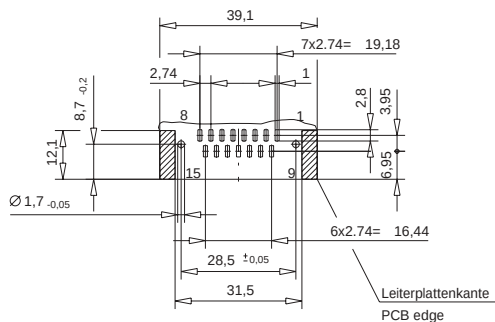
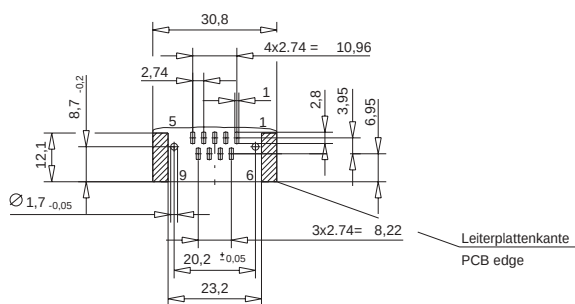


Tray packaging (9pin version pictured)



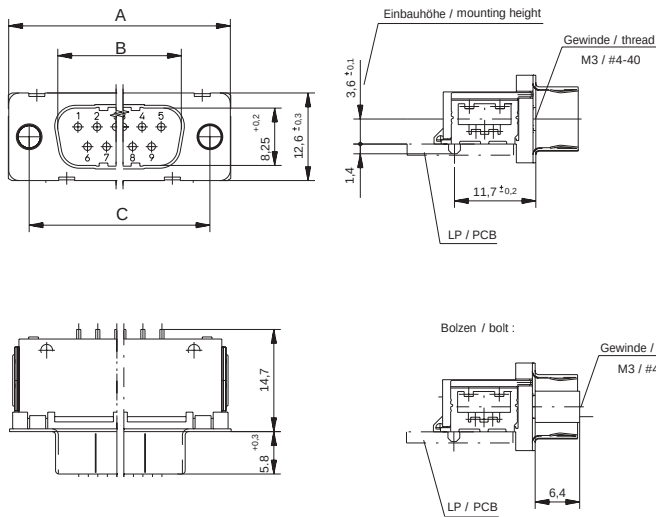
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PCB Layout

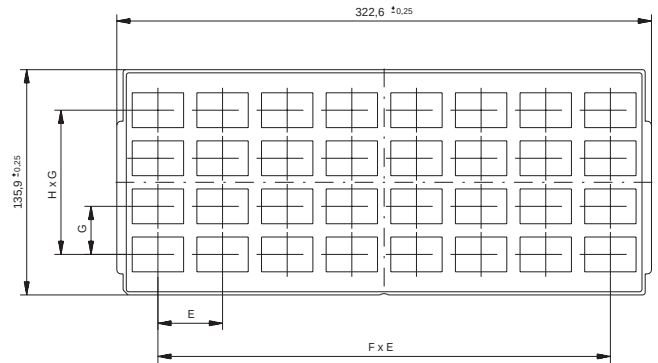


Right Angle Male Eurostyle SMT Connectors

Dimensions

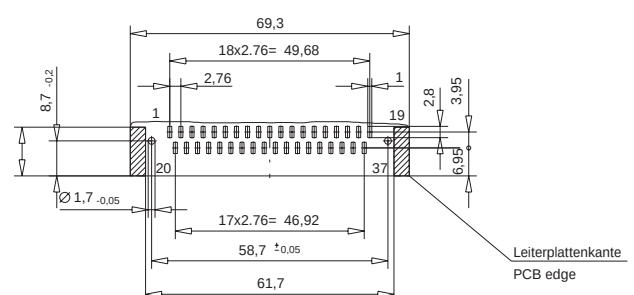
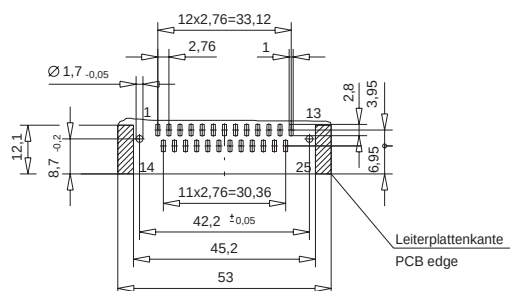
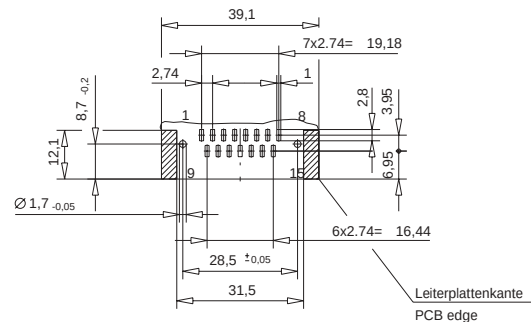
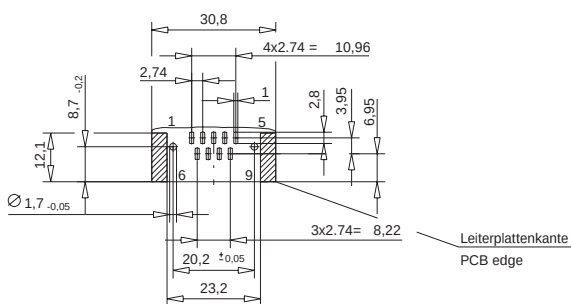


Tray packaging (9pin version pictured)



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Packaging unit	32	24	20	16

PCB Layout



Ordering Information

Standard (Assembly height 7.3 mm)

SMT Female Connectors

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	32 pcs	154235
9	4-40#	32 pcs	154236
9	Bolt / M3	32 pcs	154237
9	Bolt / 4-40#	32 pcs	154238
9	without	32 pcs	174440
15	M3	24 pcs	154239
15	4-40#	24 pcs	154240
15	Bolt / M3	24 pcs	154241
15	Bolt / 4-40#	24 pcs	154242
15	without	24 pcs	174441
25	M3	20 pcs	154243
25	4-40#	20 pcs	154244
25	Bolt / M3	20 pcs	154245
25	Bolt / 4-40#	20 pcs	154246
25	without	20 pcs	174442
37	M3	16 pcs	154247
37	4-40#	16 pcs	154248
37	Bolt / M3	16 pcs	154249
37	Bolt / 4-40#	16 pcs	154250
37	without	16 pcs	174443

SMT Male Connectors

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	32 pcs	154187
9	4-40#	32 pcs	154188
9	Bolt / M3	32 pcs	154189
9	Bolt / 4-40#	32 pcs	154190
9	without	32 pcs	174416
15	M3	24 pcs	154191
15	4-40#	24 pcs	154192
15	Bolt / M3	24 pcs	154193
15	Bolt / 4-40#	24 pcs	154194
15	without	24 pcs	174417
25	M3	20 pcs	154195
25	4-40#	20 pcs	154196
25	Bolt / M3	20 pcs	154197
25	Bolt / 4-40#	20 pcs	154198
25	without	20 pcs	174418
37	M3	16 pcs	154199
37	4-40#	16 pcs	154200
37	Bolt / M3	16 pcs	154201
37	Bolt / 4-40#	16 pcs	154202
37	without	16 pcs	174419

Eurostyle (Assembly height 3.6 mm)

SMT Female Connectors

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	32 pcs	154139
9	4-40#	32 pcs	154140
9	Bolt / M3	32 pcs	154141
9	Bolt / 4-40#	32 pcs	154142
9	without	32 pcs	174428
15	M3	24 pcs	154143
15	4-40#	24 pcs	154144
15	Bolt / M3	24 pcs	154145
15	Bolt / 4-40#	24 pcs	154146
15	without	24 pcs	174429
25	M3	20 pcs	154147
25	4-40#	20 pcs	154148
25	Bolt / M3	20 pcs	154149
25	Bolt / 4-40#	20 pcs	154150
25	without	20 pcs	174430
37	M3	16 pcs	154151
37	4-40#	16 pcs	154152
37	Bolt / M3	16 pcs	154153
37	Bolt / 4-40#	16 pcs	154154
37	without	16 pcs	174431

SMT Male Connectors

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	32 pcs	154091
9	4-40#	32 pcs	154092
9	Bolt / M3	32 pcs	154093
9	Bolt / 4-40#	32 pcs	154094
9	without	32 pcs	174501
15	M3	24 pcs	154095
15	4-40#	24 pcs	154096
15	Bolt / M3	24 pcs	154097
15	Bolt / 4-40#	24 pcs	154098
15	without	24 pcs	174405
25	M3	20 pcs	154099
25	4-40#	20 pcs	154100
25	Bolt / M3	20 pcs	154101
25	Bolt / 4-40#	20 pcs	154102
25	without	20 pcs	174406
37	M3	16 pcs	154103
37	4-40#	16 pcs	154104
37	Bolt / M3	16 pcs	154105
37	Bolt / 4-40#	16 pcs	154106
37	without	16 pcs	174407