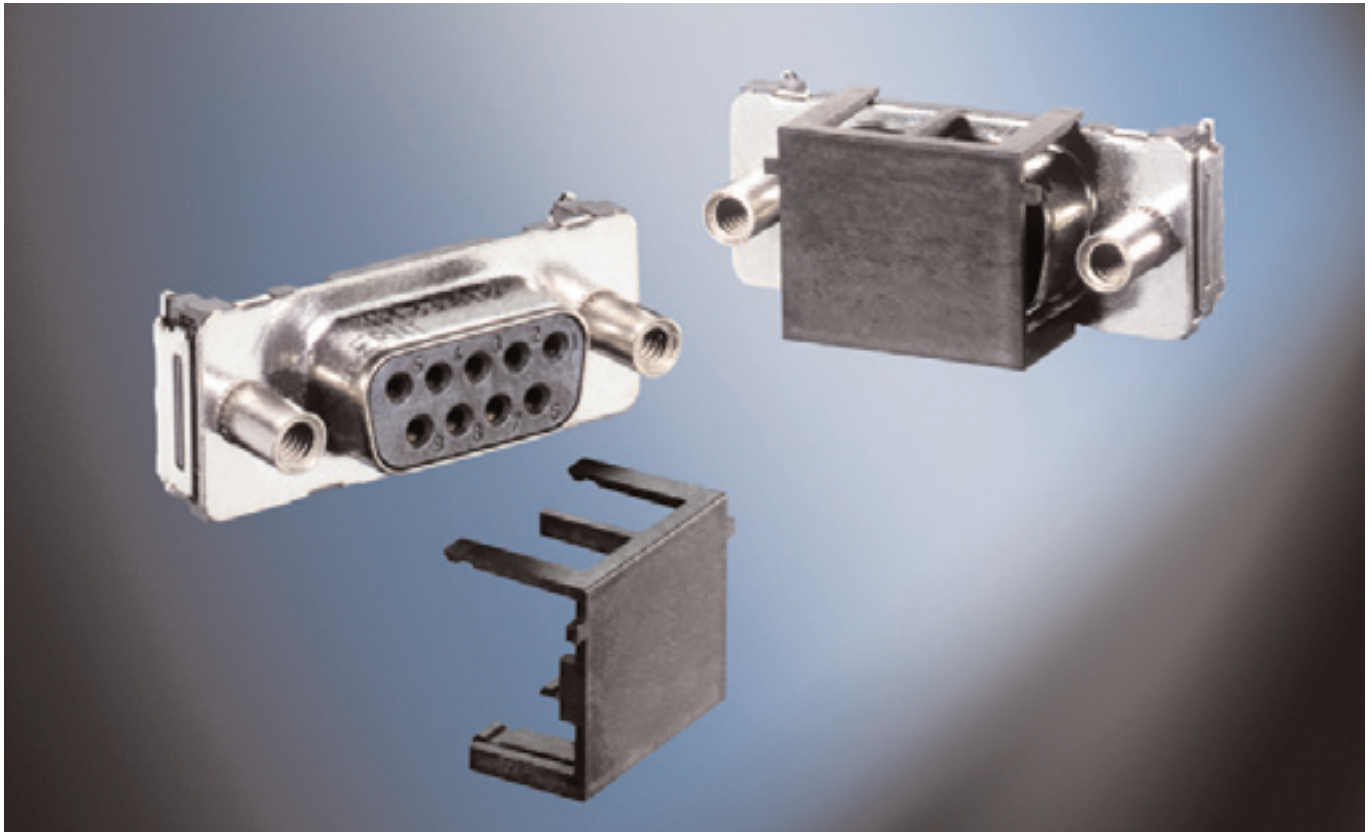


D-Sub

Vertical Surface Mount Connectors RoHS compliant Economical Interface Solution for SMT Applications



General

In the manufacture of assemblies, the trend toward using SMT components is unbroken. Whereas before it was "electronic" components that were made "fit" for cost-efficient assembly processes, today it is primarily electromechanical components.

Suitable insulating body material and packaging are at the top of the wish list. The new vertical SMT D-Sub series from ERNI is equipped with all of the necessary features:

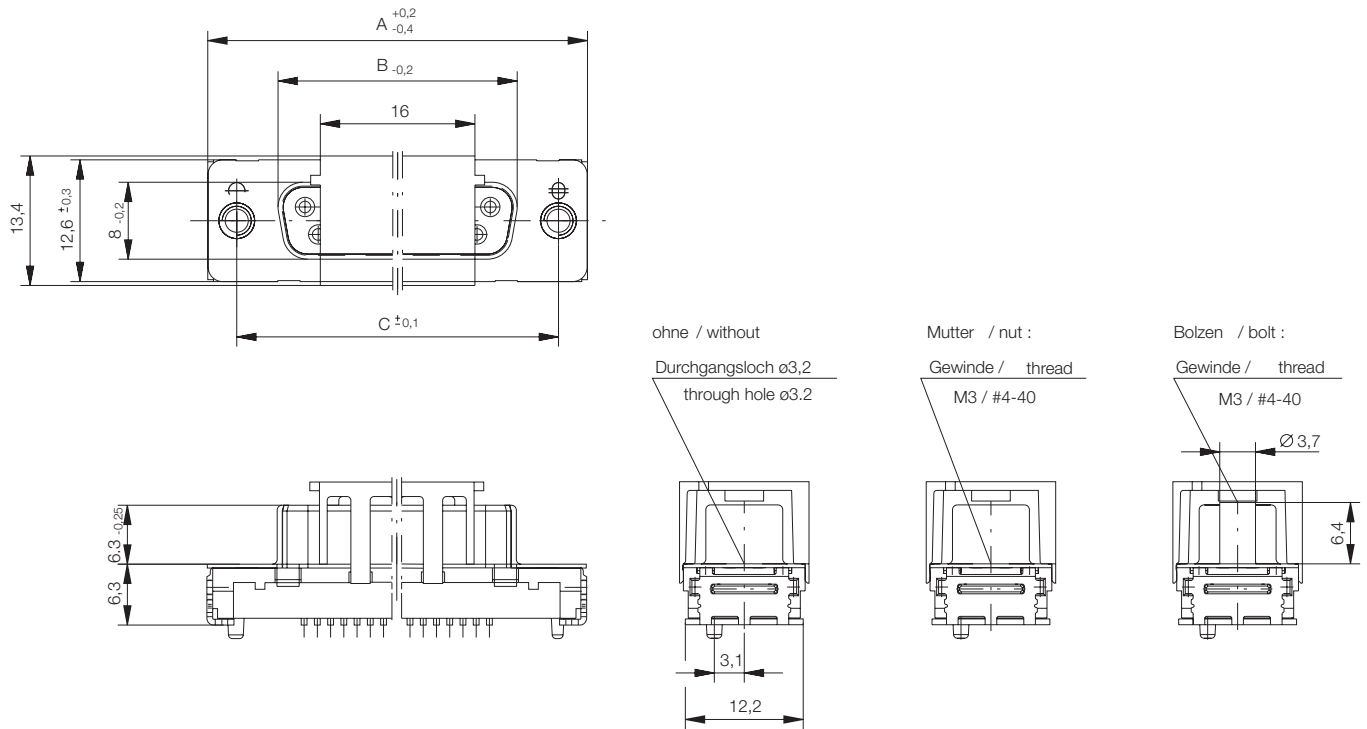
- Suction hood for pick & place
- Automat-friendly packaging (tray or tape and reel)
- Well suited for lead-free soldering processes due to the use of heat-resistant thermoplastic for insulating body and suction pad
- High retention force due to large surface SMT metal bracket
- Integrated, rotation-protected interlock accessories

Technical Characteristics

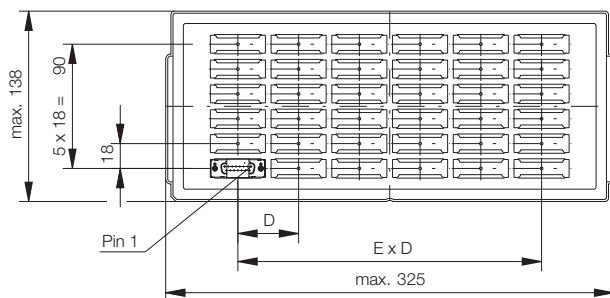
- Configurations: 9, 15, 25 and 37 pin
- Assembly Heights: 6.3 mm, 9.0 mm
- Design acc. to DIN 41652 and CECC 75301-802
- Materials
 - Contact: Copper Alloy
 - Insulator: LCP
 - Suction hood: LCP
 - Front Metal Shell: Steel
 - Metal bracket: Copper Alloy
- Plating
 - Contact: Mating Area: Gold plated
 - Termination: Sn
 - Metal Shell: Sn
 - Metal Bracket: Sn

Vertical Female SMT Connectors Assembly Height 6.3 mm

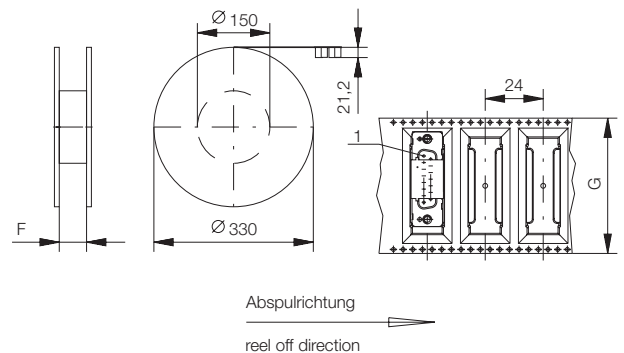
Dimensions



Tray packaging (15pin version pictured)



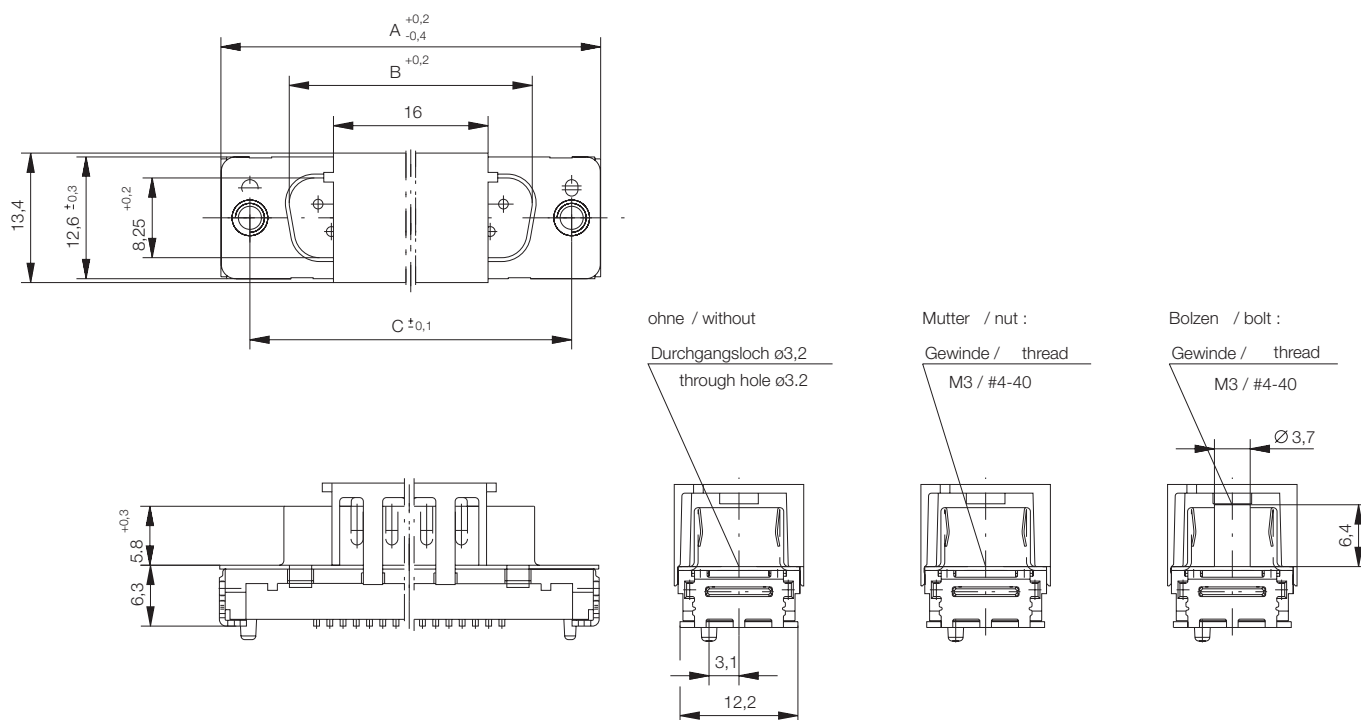
Tape and reel packaging (15pin version pictured)



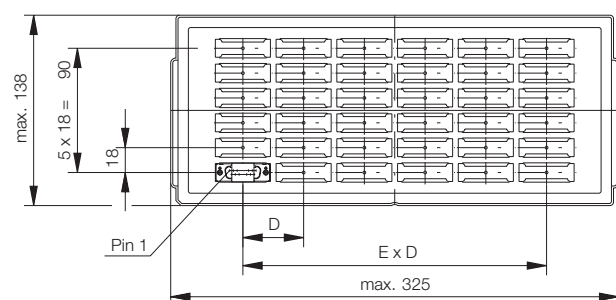
Dimensions	9 pin	15 pin	25 pin	37 pin
A	31	39.3	53	69.5
B	16.4	24.75	38.5	54.95
C	25	33.3	47	63.5
D	36	44	58	73.5
E	7	5	4	3
F	56.5	56.5	72.5	88.5
G	56	56	72	88
Pcs. / Tray	48	36	30	24
Pcs. / Tape and reel	75	75	75	75

Vertical Male SMT Connectors Assembly Height 6.3 mm

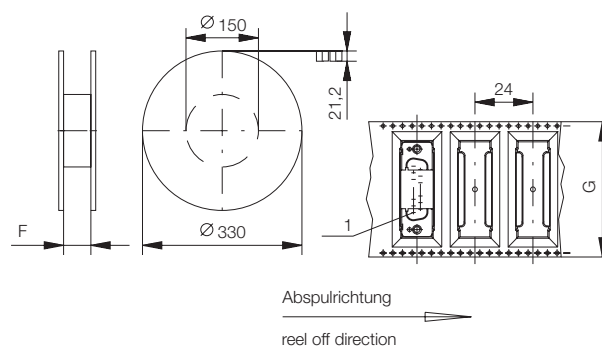
Dimensions



Tray packaging (15pin version pictured)



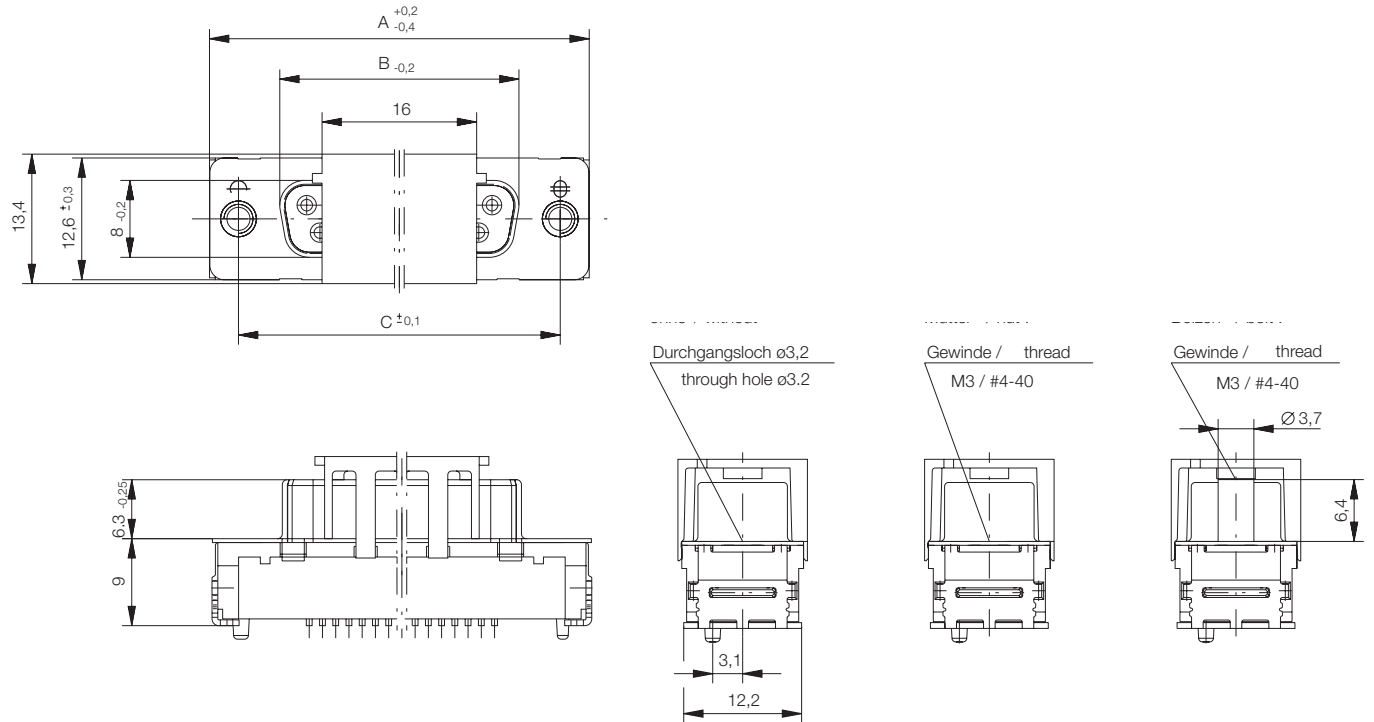
Tape and reel packaging (15pin version pictured)



Dimensions	9 pin	15 pin	25 pin	37 pin
A	31	39.3	53	69.5
B	16.8	24.75	38.5	54.95
C	25	33.3	47	63.5
D	36	44	58	73.5
E	7	5	4	3
F	56.5	56.5	72.5	88.5
G	56	56	72	88
Pcs. / Tray	48	36	30	24
Pcs. / Tape and reel	75	75	75	75

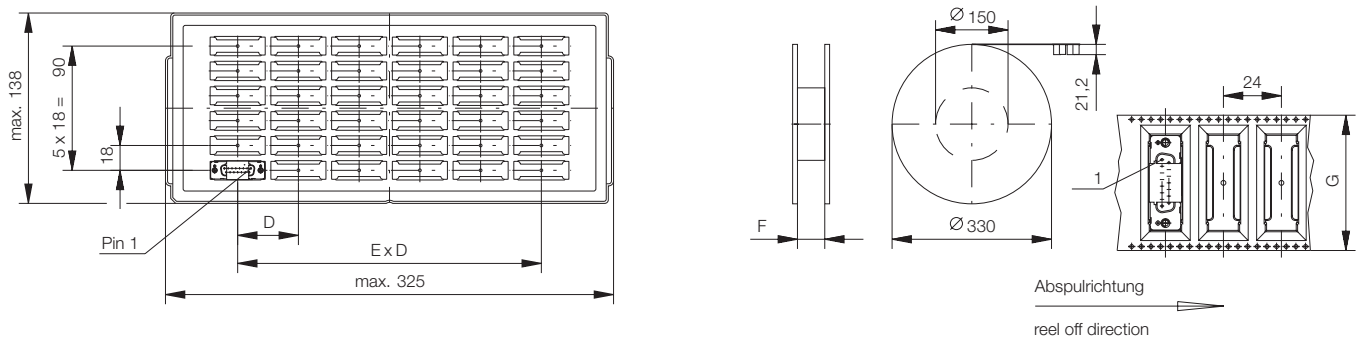
Vertical Female SMT Connectors Assembly Height 9.0 mm

Dimensions



Tray packaging (15pin version pictured)

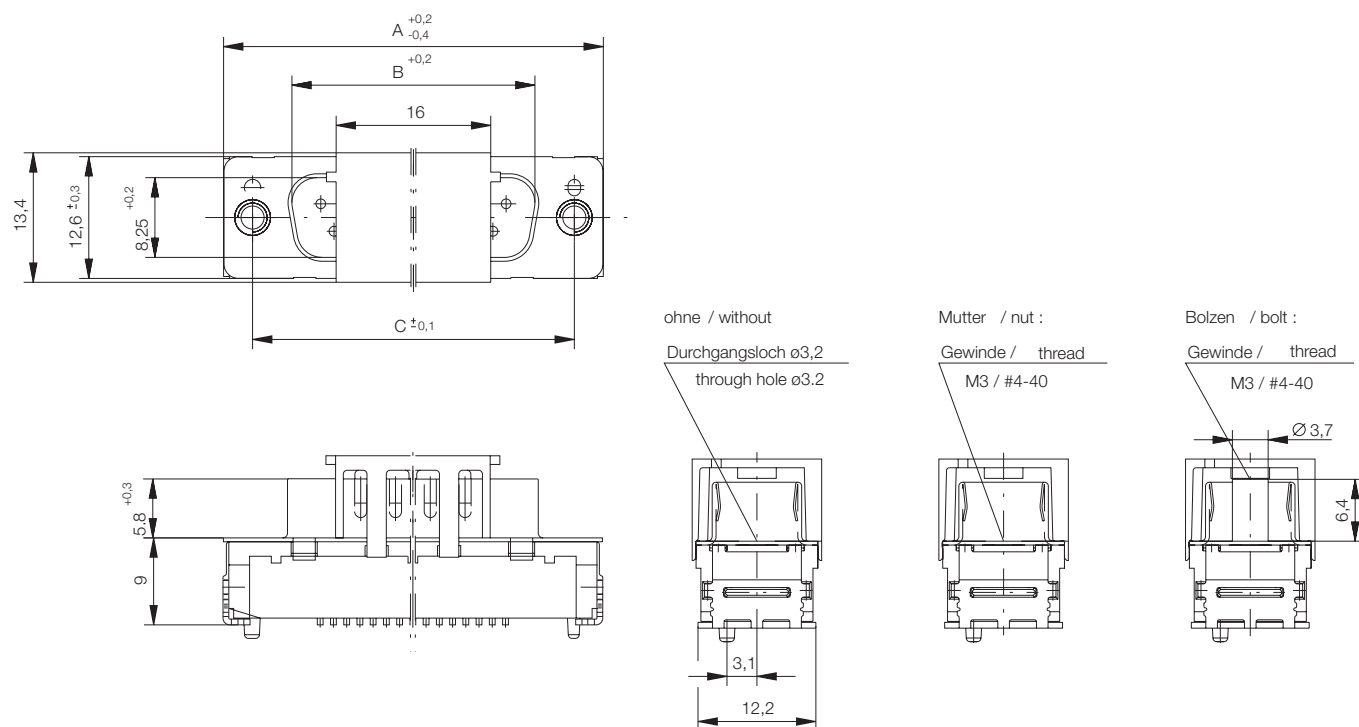
Tape and reel packaging (15pin version pictured)



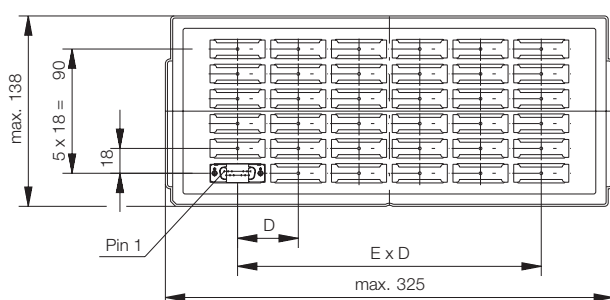
Dimensions	9 pin	15 pin	25 pin	37 pin
A	31	39.3	53	69.5
B	16.4	24.75	38.5	54.95
C	25	33.3	47	63.5
D	36	44	58	73.5
E	7	5	4	3
F	56.5	56.5	72.5	88.5
G	56	56	72	88
Pcs. / Tray	48	36	30	24
Pcs. / Tape and reel	75	75	75	75

Vertical Male SMT Connectors Assembly Height 9.0 mm

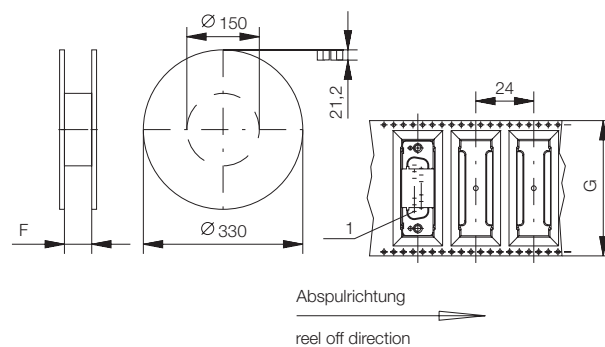
Dimensions



Tray packaging (15pin version pictured)

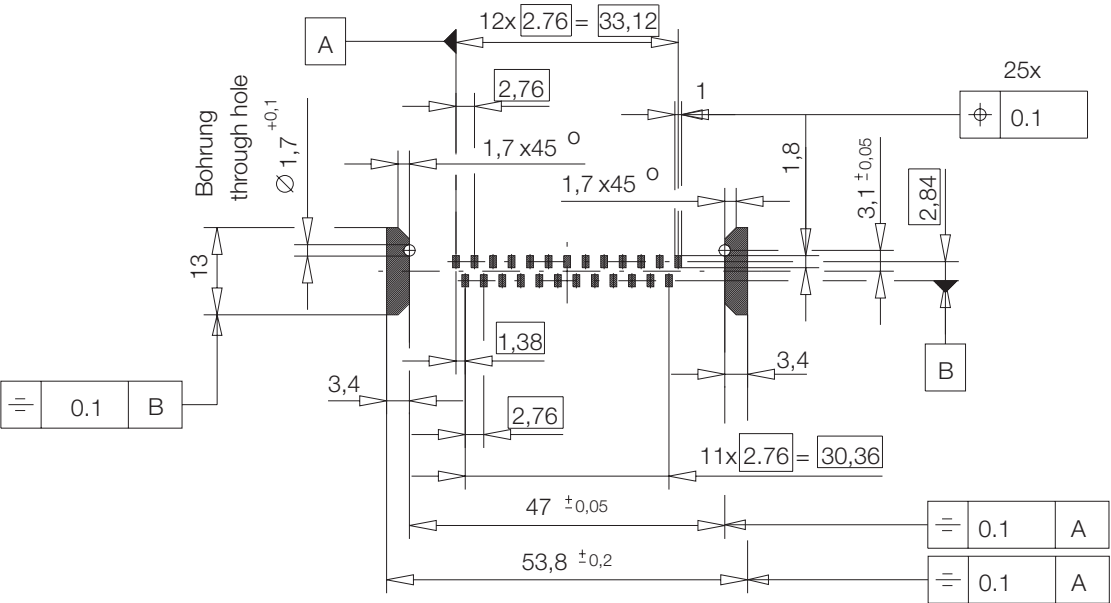


Tape and reel packaging (15pin version pictured)

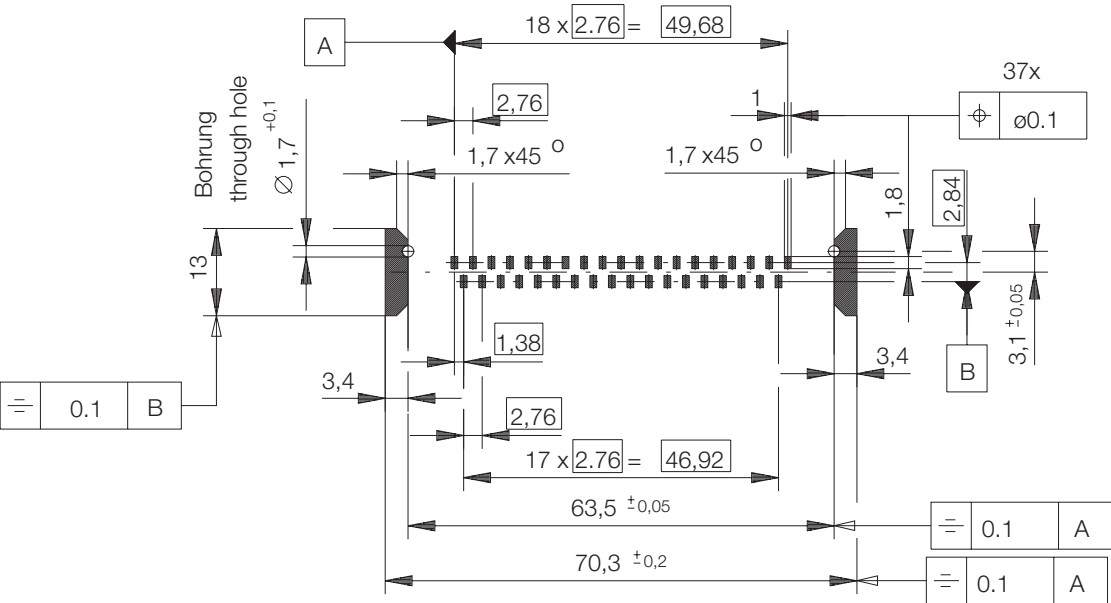


Dimensions	9 pin	15 pin	25 pin	37 pin
A	31	39.3	53	69.5
B	16.8	24.75	38.5	54.95
C	25	33.3	47	63.5
D	36	44	58	73.5
E	7	5	4	3
F	56.5	56.5	72.5	88.5
G	56	56	72	88
Pcs. / Tray	48	36	30	24
Pcs. / Tape and reel	75	75	75	75

25 pin



37 pin





Ordering Informations

Assembly Height 6.3 mm

SMT Female Connectors Tray Packaging

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	48 pcs	164017
9	4-40#	48 pcs	164021
9	Bolt / M3	48 pcs	164025
9	Bolt / 4-40#	48 pcs	204264
9	without	48 pcs	174389
15	M3	36 pcs	164018
15	4-40#	36 pcs	164022
15	Bolt / M3	36 pcs	164026
15	Bolt / 4-40#	36 pcs	164030
15	without	36 pcs	174390
25	M3	30 pcs	164019
25	4-40#	30 pcs	164023
25	Bolt / M3	30 pcs	164027
25	Bolt / 4-40#	30 pcs	164031
25	without	30 pcs	174391
37	M3	24 pcs	164020
37	4-40#	24 pcs	164024
37	Bolt / M3	24 pcs	164028
37	Bolt / 4-40#	24 pcs	164032
37	without	24 pcs	174392

SMT Male Connectors Tray Packaging

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	48 pcs	164001
9	4-40#	48 pcs	164005
9	Bolt / M3	48 pcs	164009
9	Bolt / 4-40#	48 pcs	204263
9	without	48 pcs	174385
15	M3	36 pcs	164002
15	4-40#	36 pcs	164006
15	Bolt / M3	36 pcs	164010
15	Bolt / 4-40#	36 pcs	164014
15	without	36 pcs	174386
25	M3	30 pcs	164003
25	4-40#	30 pcs	164007
25	Bolt / M3	30 pcs	164011
25	Bolt / 4-40#	30 pcs	164015
25	without	30 pcs	174387
37	M3	24 pcs	164004
37	4-40#	24 pcs	164008
37	Bolt / M3	24 pcs	164012
37	Bolt / 4-40#	24 pcs	164016
37	without	24 pcs	174388

Assembly Height 6.3 mm

SMT Female Connectors Tape and Reel Packaging

Number of Pins	Thread	Tape and Reel Packaged	Part Number
9	M3	75 pcs	194274
9	4-40#	75 pcs	194273
9	Bolt / M3	75 pcs	194272
9	Bolt / 4-40#	75 pcs	194271
9	without	75 pcs	194270
15	M3	75 pcs	194279
15	4-40#	75 pcs	194278
15	Bolt / M3	75 pcs	194277
15	Bolt / 4-40#	75 pcs	194276
15	without	75 pcs	194275
25	M3	75 pcs	194284
25	4-40#	75 pcs	194283
25	Bolt / M3	75 pcs	194282
25	Bolt / 4-40#	75 pcs	194281
25	without	75 pcs	194280
37	M3	75 pcs	194289
37	4-40#	75 pcs	194288
37	Bolt / M3	75 pcs	194287
37	Bolt / 4-40#	75 pcs	194286
37	without	75 pcs	194285

SMT Male Connectors Tape and Reel Packaging

Number of Pins	Thread	Tape and Reel Packaged	Part Number
9	M3	75 pcs	194254
9	4-40#	75 pcs	194253
9	Bolt / M3	75 pcs	194252
9	Bolt / 4-40#	75 pcs	194251
9	without	75 pcs	194250
15	M3	75 pcs	194259
15	4-40#	75 pcs	194258
15	Bolt / M3	75 pcs	194257
15	Bolt / 4-40#	75 pcs	194256
15	without	75 pcs	194255
25	M3	75 pcs	194264
25	4-40#	75 pcs	194263
25	Bolt / M3	75 pcs	194262
25	Bolt / 4-40#	75 pcs	194261
25	without	75 pcs	194260
37	M3	75 pcs	194269
37	4-40#	75 pcs	194268
37	Bolt / M3	75 pcs	194267
37	Bolt / 4-40#	75 pcs	194266
37	without	75 pcs	194265

Ordering Informations

Assembly Height 9.0 mm

SMT Female Connectors Tray Packaging

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	48 pcs	194334
9	4-40#	48 pcs	194333
9	Bolt / M3	48 pcs	194332
9	Bolt / 4-40#	48 pcs	194331
9	without	48 pcs	194330
15	M3	36 pcs	194344
15	4-40#	36 pcs	194343
15	Bolt / M3	36 pcs	194342
15	Bolt / 4-40#	36 pcs	194341
15	without	36 pcs	194340
25	M3	30 pcs	194354
25	4-40#	30 pcs	194353
25	Bolt / M3	30 pcs	194352
25	Bolt / 4-40#	30 pcs	194351
25	without	30 pcs	194350
37	M3	24 pcs	194364
37	4-40#	24 pcs	194363
37	Bolt / M3	24 pcs	194362
37	Bolt / 4-40#	24 pcs	194361
37	without	24 pcs	194360

SMT Male Connectors Tray Packaging

Number of Pins	Thread	Tray Packaged	Part Number
9	M3	48 pcs	194294
9	4-40#	48 pcs	194293
9	Bolt / M3	48 pcs	194292
9	Bolt / 4-40#	48 pcs	194291
9	without	48 pcs	194290
15	M3	36 pcs	194304
15	4-40#	36 pcs	194303
15	Bolt / M3	36 pcs	194302
15	Bolt / 4-40#	36 pcs	194301
15	without	36 pcs	194300
25	M3	30 pcs	194314
25	4-40#	30 pcs	194313
25	Bolt / M3	30 pcs	194312
25	Bolt / 4-40#	30 pcs	194311
25	without	30 pcs	194310
37	M3	24 pcs	194324
37	4-40#	24 pcs	194323
37	Bolt / M3	24 pcs	194322
37	Bolt / 4-40#	24 pcs	194321
37	without	24 pcs	194320

Assembly Height 9.0 mm

SMT Female Connectors Tape and Reel Packaging

Number of Pins	Thread	Tape and Reel Packaged	Part Number
9	M3	75 pcs	194339
9	4-40#	75 pcs	194338
9	Bolt / M3	75 pcs	194337
9	Bolt / 4-40#	75 pcs	194336
9	without	75 pcs	194335
15	M3	75 pcs	194349
15	4-40#	75 pcs	194348
15	Bolt / M3	75 pcs	194347
15	Bolt / 4-40#	75 pcs	194346
15	without	75 pcs	194345
25	M3	75 pcs	194359
25	4-40#	75 pcs	194358
25	Bolt / M3	75 pcs	194357
25	Bolt / 4-40#	75 pcs	194356
25	without	75 pcs	194355
37	M3	75 pcs	194369
37	4-40#	75 pcs	194368
37	Bolt / M3	75 pcs	194367
37	Bolt / 4-40#	75 pcs	194366
37	without	75 pcs	194365

SMT Male Connectors Tape and Reel Packaging

Number of Pins	Thread	Tape and Reel Packaged	Part Number
9	M3	75 pcs	194299
9	4-40#	75 pcs	194298
9	Bolt / M3	75 pcs	194297
9	Bolt / 4-40#	75 pcs	194296
9	without	75 pcs	194295
15	M3	75 pcs	194309
15	4-40#	75 pcs	194308
15	Bolt / M3	75 pcs	194307
15	Bolt / 4-40#	75 pcs	194306
15	without	75 pcs	194305
25	M3	75 pcs	194319
25	4-40#	75 pcs	194318
25	Bolt / M3	75 pcs	194317
25	Bolt / 4-40#	75 pcs	194316
25	without	75 pcs	194315
37	M3	75 pcs	194329
37	4-40#	75 pcs	194328
37	Bolt / M3	75 pcs	194327
37	Bolt / 4-40#	75 pcs	194326
37	without	75 pcs	194325