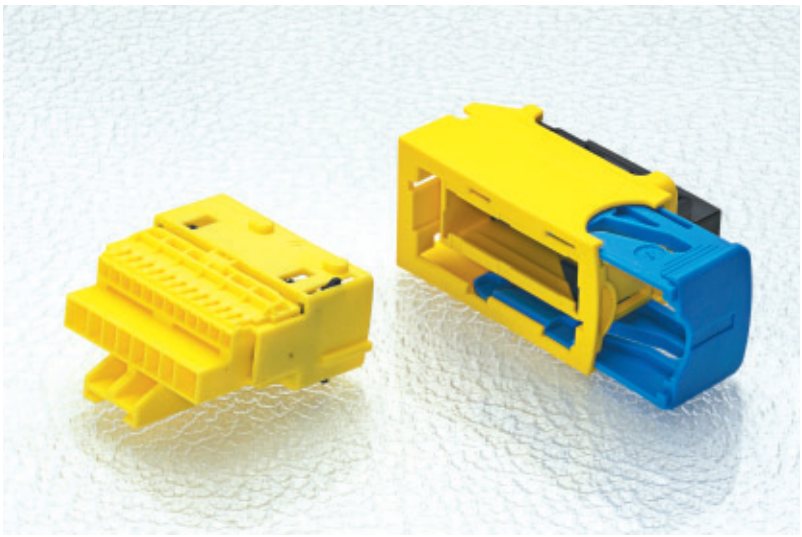
Panel-through connectors

DuoTwin / Sicma

20 way connector system for 0.64, 1.5 and 2.8 mm terminals

Features

- Terminal position assurance (T.P.A.)
- Easy locking came
- Mechanical polarization
- Several colour codings available



Performance characteristics

- Temperature range: from -40° C to +85° C
- Contact retention force:
  > 60 N for 0.64 mm terminals
  > 50 N for 1.5 mm female terminals
  > 100 N for 1.5 mm male terminals and 2.8 mm terminals
- Contact insertion force:
  < 6 N for 0.64 mm female terminals
  < 5 N for 1.5 mm female terminals
  < 7 N for 1.5 mm male terminals
  < 8 N for 0.64 mm male terminals and 2.8 mm terminals
- Connector mating force: < 60 N
- Acceptable wire range:
  0.35 mm^2 / 0.75 mm^2 for 0.64 terminals
  0.35 mm^2 / 2 mm^2 for 1.5 terminals
  0.35 mm^2 / 4 mm^2 for 2.8 terminals

Construction

- Housing material: PBT

Connector compatibility

- Usable terminals:
  Duo Twin 0.64 mm terminals
  Sicma 1.5 mm terminals
  Sicma 2.8 mm terminals

Overview of SICMA housings

Tooling

- TPA removal tool: 211S038 / 211S042 / 211S045 / 211S044
- Terminal removal tool: 211S016 / 211S031 / 211S039 / 211S040

Part Numbers	No. of position	Type	Terminal size	Colour
211PC209S4055	20	Female	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Yellow
211PC209S3055	20	Female	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Red
211PC209S2055	20	Female	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Pink
211PC209SR055	20	Female	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Yellow
211PL209S4055	20	Male	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Orange
211PL209S3055	20	Male	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Red
211PL209S2055	20	Male	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Pink
211PL209SR055	20	Male	12 x [0.64 mm] + 6 x [1.5 mm] + 2 x [2.8 mm]	Yellow

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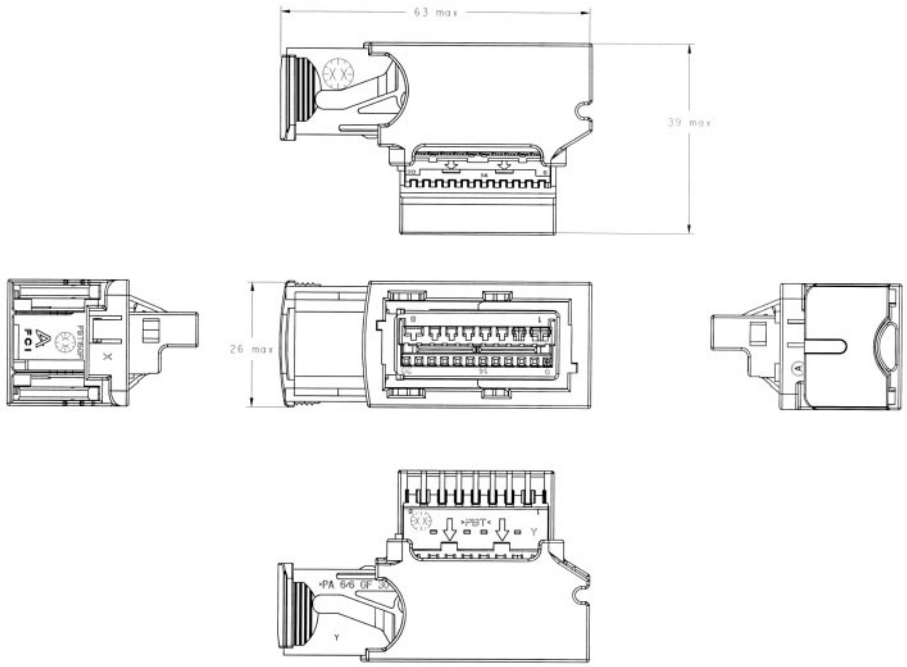
Dimensional characteristics

Notes :

Female connector



Male connector