

# Coupling connectors

MCS

## 1 to 20 way coupling housings for 1.8 mm terminals

### Features

- 1-2-3-4-6-8-12-18 and 20 position housings available
- Single row 3.5 mm pitch for 2-3-4 position housings
- Double row 3.5 x 5.9 mm pitch for 6-8-12-18 and 20 position housings
- Hinge secondary lock
- Mechanical polarization
- Several colour codings available



### Performance characteristics

- Temperature range:  
from -30°C to +105°C
- Contact retention force: > 80 N
- Contact insertion force: < 10 N
- Connector mating force: < 70 N

### Construction

- Housing material: PBT

### Connector compatibility

- Usable terminals:
  - MCS 1.8 mm female terminals (for passenger compartment)
  - MCS 1.8 mm male terminals (for passenger compartment)

Part Numbers	No. of position	Terminal size	Type	Colour
MCHFHPE01BK	1	1.8 mm	Female housing	Black
MCHMHPE01BK	1	1.8 mm	Male housing	Black
MCHFHPE02WH	2	1.8 mm	Female housing	White
MCHMHPE02WH	2	1.8 mm	Male housing	White
MCHFHPE02BN	2	1.8 mm	Female housing	Brown
MCHFHPE03WH	3	1.8 mm	Female housing	White
MCHMHPE03WH	3	1.8 mm	Male housing	White
MCHMHPE03BK	3	1.8 mm	Male housing	Black
MCHFHPE04WH	4	1.8 mm	Female housing	White
MCHFHPE06WH	6	1.8 mm	Female housing	White
MCHMHPE06WH	6	1.8 mm	Male housing	White
MCHFHPE06BK	6	1.8 mm	Female housing	Black
MCHMHPE06BK	6	1.8 mm	Male housing	Black
MCHFHPE06BKSR	6	1.8 mm	Female housing	Black
MCHFHPE08WH	8	1.8 mm	Female housing	White
MCHMHPE08WH	8	1.8 mm	Male housing	White
MCHFHPE08BK	8	1.8 mm	Female housing	Black
MCHMHPE08BK	8	1.8 mm	Male housing	Black
MCHFHPE10WH	10	1.8 mm	Female housing	White
MCHMHPE10WH	10	1.8 mm	Male housing	White

# Coupling connectors

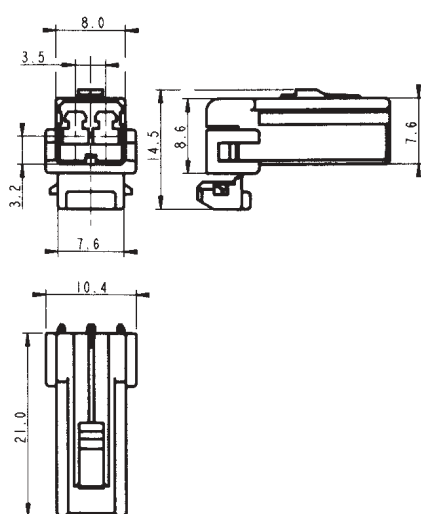
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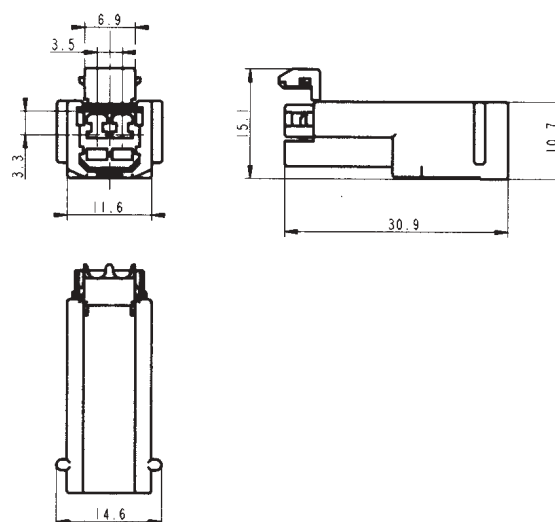
Part Numbers	No. of position	Terminal size	Type	Colour
MCHFHPE12WH	12	1.8 mm	Female housing	White
MCHMHPE12WH	12	1.8 mm	Male housing	White
MCHFHPE12BK	12	1.8 mm	Female housing	Black
MCHFHPE12BL	12	1.8 mm	Female housing	Blue
MCHFHPE12GY	12	1.8 mm	Female housing	Grey
MCHMHPE12BK	12	1.8 mm	Male housing	Black
MCHMHPE12BL	12	1.8 mm	Male housing	Blue
MCHFHPE14WH	14	1.8 mm	Female housing	White
MCHMHPE14WH	14	1.8 mm	Male housing	White
MCHFHPE18BL	18	1.8 mm	Female housing	Blue
MCHMHPE18BL	18	1.8 mm	Male housing	Blue
MCHFHPE18WH	18	1.8 mm	Female housing	White
MCHMHPE18WH	18	1.8 mm	Male housing	White
MCHFHPE20WH	20	1.8 mm	Female housing	White
MCHMHPE20WH	20	1.8 mm	Male housing	White
MCHFHPE20BK	20	1.8 mm	Female housing	Black
MCHMHPE20BK	20	1.8 mm	Male housing	Black
MCHFHPE20BL	20	1.8 mm	Female housing	Blue
MCHMHPE20BL	20	1.8 mm	Male housing	Blue

### Dimensional characteristics

2 way female housing



2 way male housing



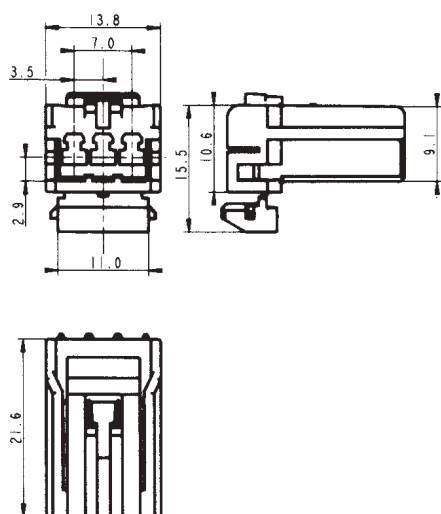
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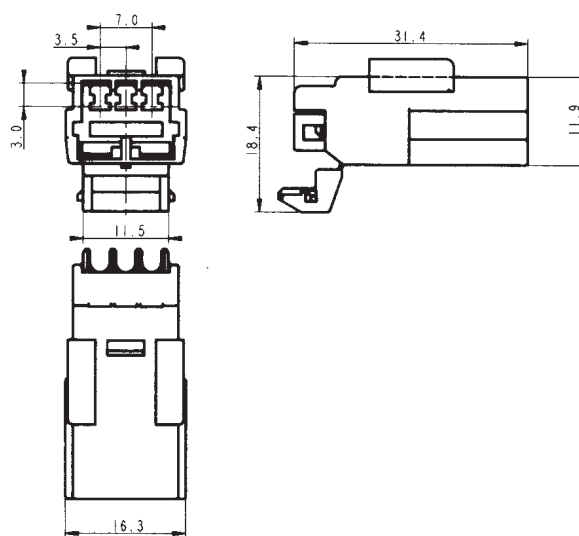
## 1 to 20 way coupling housings for 1.8 mm terminals

### Dimensional characteristics

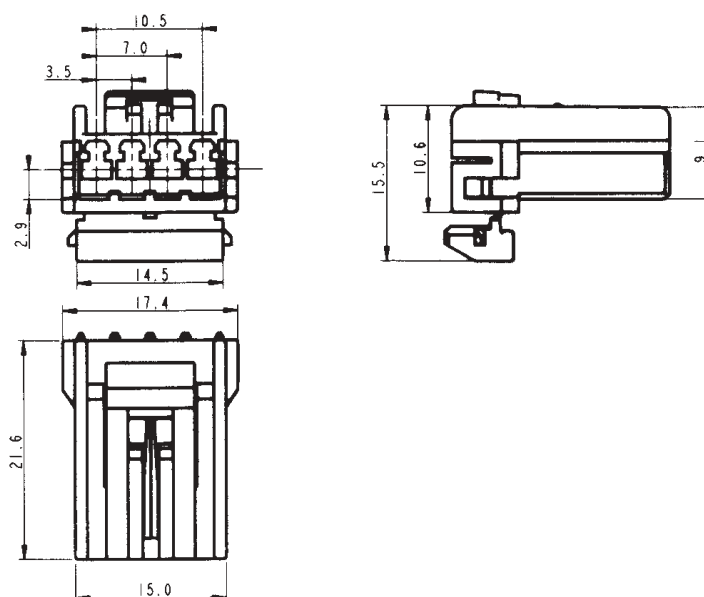
3 way female housing



3 way male housing



4 way female housing



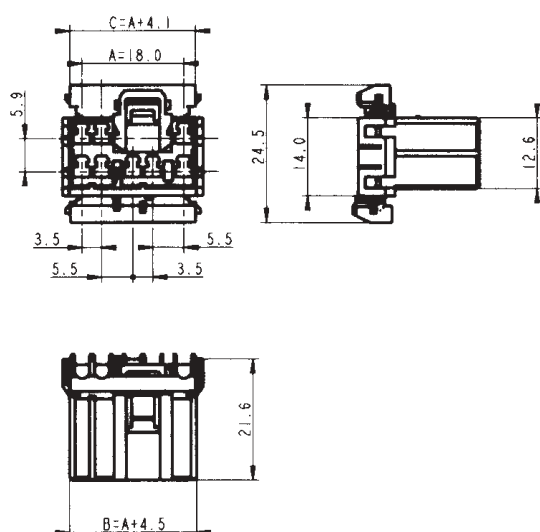
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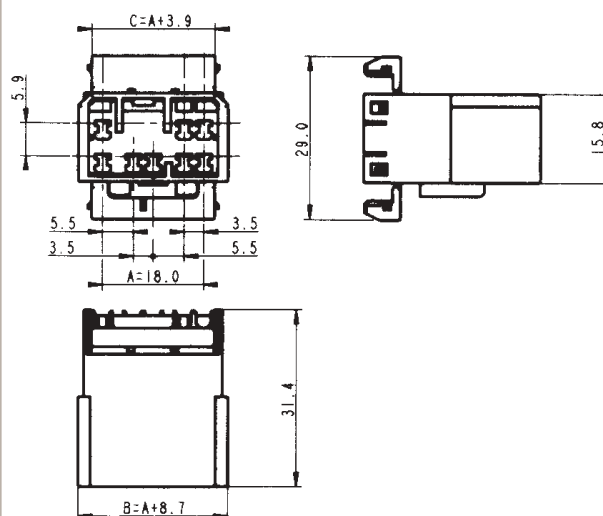
## 1 to 20 way coupling housings for 1.8 mm terminals

### Dimensional characteristics

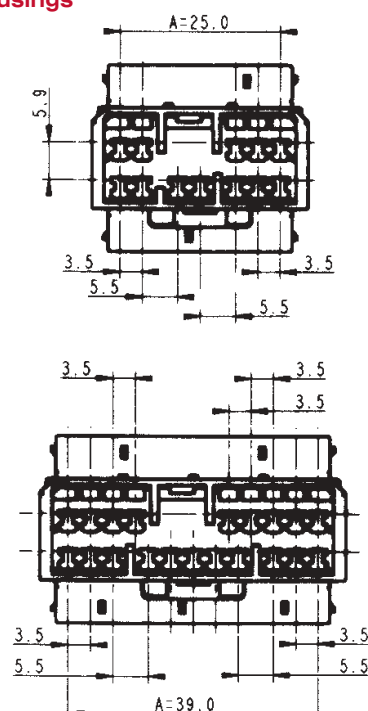
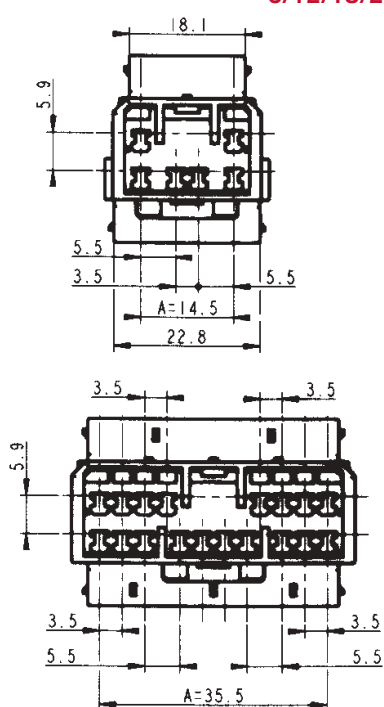
8 way female housing



8 way male housing



6/12/18/20 way male housings



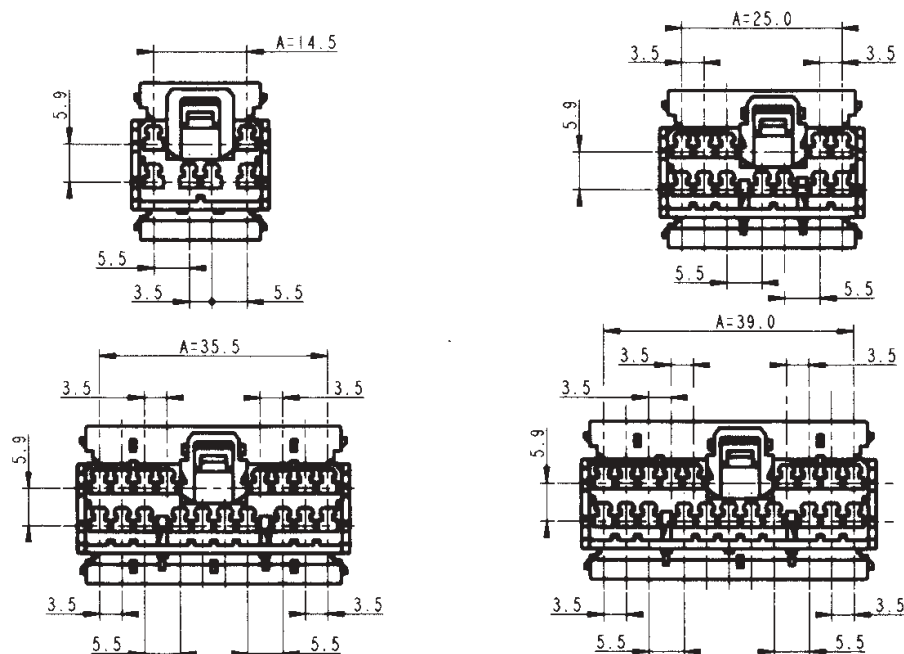
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### Dimensional characteristics

#### 6/12/18/20 way female housings



Notes:

# Mouser Electronics

Authorized Distributor

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[MCHFHPE02BN](#) [MCHFHPE10WH](#) [MCHFHPE02WH](#)