

Compact 0.50PCB Connector

Extensive product selections for the needs of downsizing and weight reduction in the automotive device market

Background or Challenges

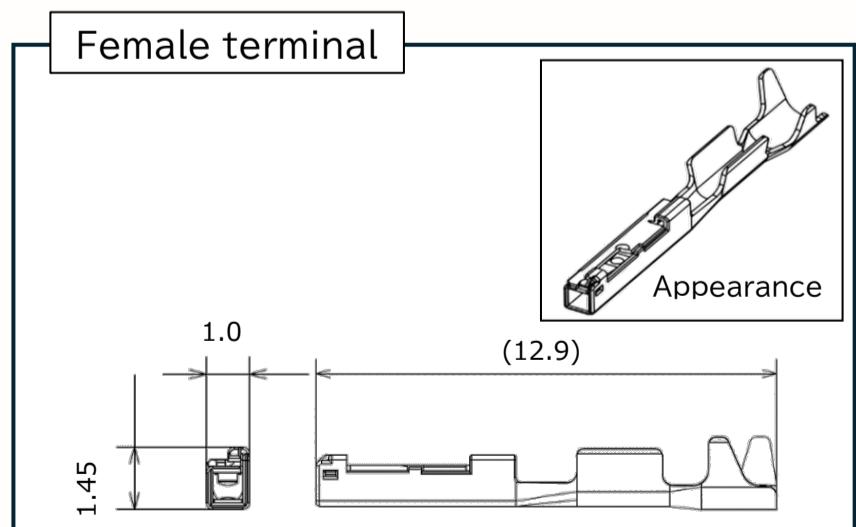
Increasing demand for smaller and lighter PCB connectors for automotive environments

Solutions to Challenges or Features

- 1 Narrower pitch and smaller size by using in-vehicle 0.5 terminals (47% reduction in volume compared to 0.64PCB connector)
- 2 Wide product portfolio from 4P to 24P (original interface and terminal adopted)

Specifications

Terminal size [mm]	0.5
Pitch [mm] (H x V)	2.0 x 2.4
Wire diameter [mm ²]	JASO wire: max 0.3 ISO wire: max 0.35 Please contact us when using heat resistant wire or 0.5mm ² wire
Rated current [A]	3.0 (Single-pole energized, wire 0.3mm ² or more)
Terminal material/plating	Copper alloy/Tin plating



Appearance

Surface mounting: SMT

Male (Horizontal)	Number of poles	W	H	D
	4	17.6	10	20
	8	17.6		
	12	21.6		
	16	25.6		
	20	29.6		
	24	33.6		
Male (Vertical)	Number of poles	W	H	D
	4	17.6	20.2	17.4
	6	21.6		
	12	21.6		
	16	25.6		
Male (Both Horizontal and Vertical)	Number of poles	W	H	D
	4	12.8	12.2	15.8
	6	16.8		
	8	12.8		
	12	16.8		
	16	20.8		
	20	24.8		
	24	28.8		