

restricted

Ribbon Cable Assembly

For LVD Scalable Power Demo Board

, 2018-09-14

Ribbon cable assembly

3 IDC connectors (Wurth Elektronik 690157001072) are fitted on a 10-pin 25cm long ribbon cable (Wurth Elektronik 63911015521).

Equivalent alternatives for the cable are acceptable.

Linear tolerances for cable length and connector location are $\pm 5\text{mm}$

Position of connectors - 2 connectors at each end of cable, and one connector in the middle (See dimensional Drawing - Figure 1).

All 3 connector polarities are the same - wire 1 at pin 1 (pin 1 on top)!!

Table 1 Specifications

Specification	Value
Cable length	250mm ($\pm 5\text{mm}$)
Number of connectors	3
Connector position from ribbon edge	See dimensional Drawing (Figure 1)

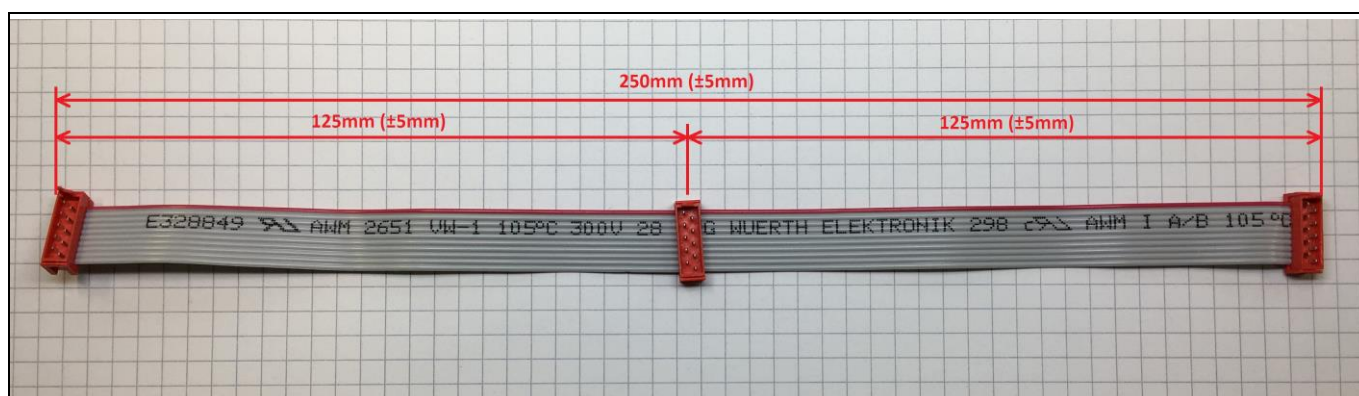


Figure 1 Ribbon Cable Dimensions

Table 2 Bill of Material

Description	Quantity / Length	Manufacturer	Manufacturer Part Number
10 Pin Male IDC Connector	3 pcs.	Wurth Elektronik	690157001072
Ribbon Flat Cable 1.27 mm	250mm ($\pm 5\text{mm}$)	Wurth Elektronik	63911015521



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