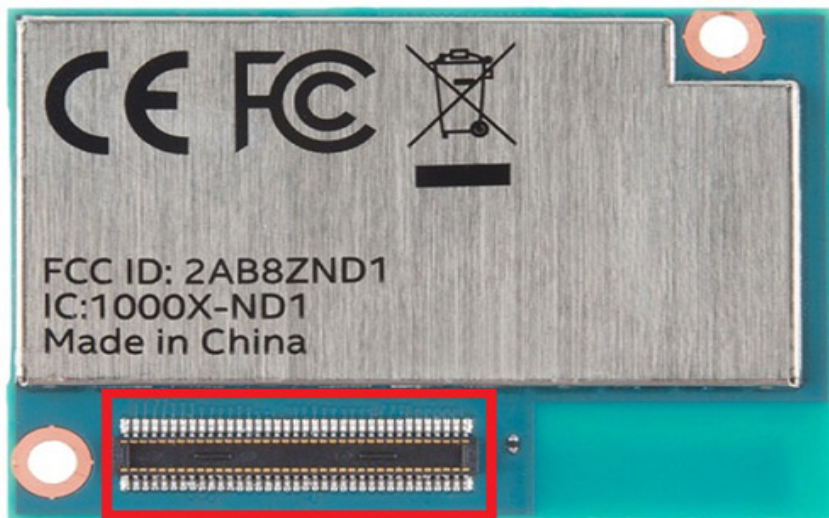


Hirose* 70 Pin Connector Considerations for Intel® Edison Compute Modules

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The Intel® Edison compute module interfaces with end-user systems via a Hirose* 70-pin DF40 Series **header** connector. The table lists the varying heights of **receptacle** connectors to consider when designing a custom expansion board.



This image shows the Hirose **header connector** DF40C-70DP-0.4V(51), used in the Intel® Edison compute module. The expansion board should have a Hirose 70-pin DF40 Series **receptacle connector**.

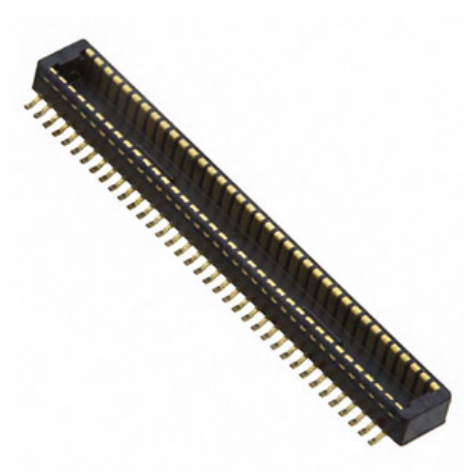
- The image shows a shield height of 1.5 mm and sits flush against the connecting PCB if a 1.5 mm stacking height receptacle connector is used.
- The receptacle connector recommended is the **DF40C(2.0)-70DS-0.4V(51)** which has a 2.0 mm stacking height.
- This receptacle connector is the one used in the Intel® Edison Arduino Expansion Board and the Intel® Edison Mini-Breakout Expansion Board.

Different receptacle connectors mate with the header connector. The stacking height is an important detail to consider when designing a custom expansion board.

Hirose 70-pin DF40 Series Receptacle Connectors

Hirose part number	Stacking height	Digi-key part number	Mouser part number
DF40C-70DS-0.4V(51)	1.5 mm	H11631TR-ND H11631CT-ND H11631DKR-ND	798-DF40C70DS04V51
DF40C(2.0)-70DS-0.4V(51)	2.0 mm	H11908TR-ND H11908CT-ND H11908DKR-ND	798-DF40C2070DS04V51
DF40HC(3.0)-70DS-0.4V(51)	3.0 mm	n/a	798-DF40HC3070DS4V51

Header connector



Receptacle connector



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