



## 3U STRUCTURE

### DESCRIPTION & MAIN FEATURES

C3S has developed a 3U CubeSat structure that uses backplane PCB for bus communication which is intended to provide independent assembly order, simplifies the stack-up tolerances and uses space graded interface connectors. Its benefits include:

- High reliability electronic, structural and thermal connections
- Access to individual cards and units during integration and testing
- Simplified stack-up tolerances
- Dedicated and independent thermal interfaces for all cards

### SPECIFICATION

#### Physical Properties

Primary Structure Mass	752g
Secondary Structure	Depending on payload
Outside envelope (mm)	100 x 100 x 340.5

#### Customization

PCB stack orientation	Longitudinal (Z), Lateral (X, Y)
PCB accomodation	PC 104 USF- pattern Custom design
TRL	TRL 6