

Model 893

- n Umbilical Disconnect for Delta III & Atlas V
- n Electrical release and/or Mechanical release. Electrical release is initiated when 5 amperes minimum current is applied for 15 ms. Lanyard releases upon 50 to 150 pound pull force
- n 360 degree EMI/RFI shielding; electrical deadfacing on the receptacle
- n External ready-to-mate and full-mate indicators are visual and tactile
- n Light-weight aluminum shells with electroless nickel plating
- n Multiple contact arrangements
 - 170 #20; 24 #12
 - 170 #20; 16 #12 and 2 coax
 - 156 #20; 14 #12 and 4 coax

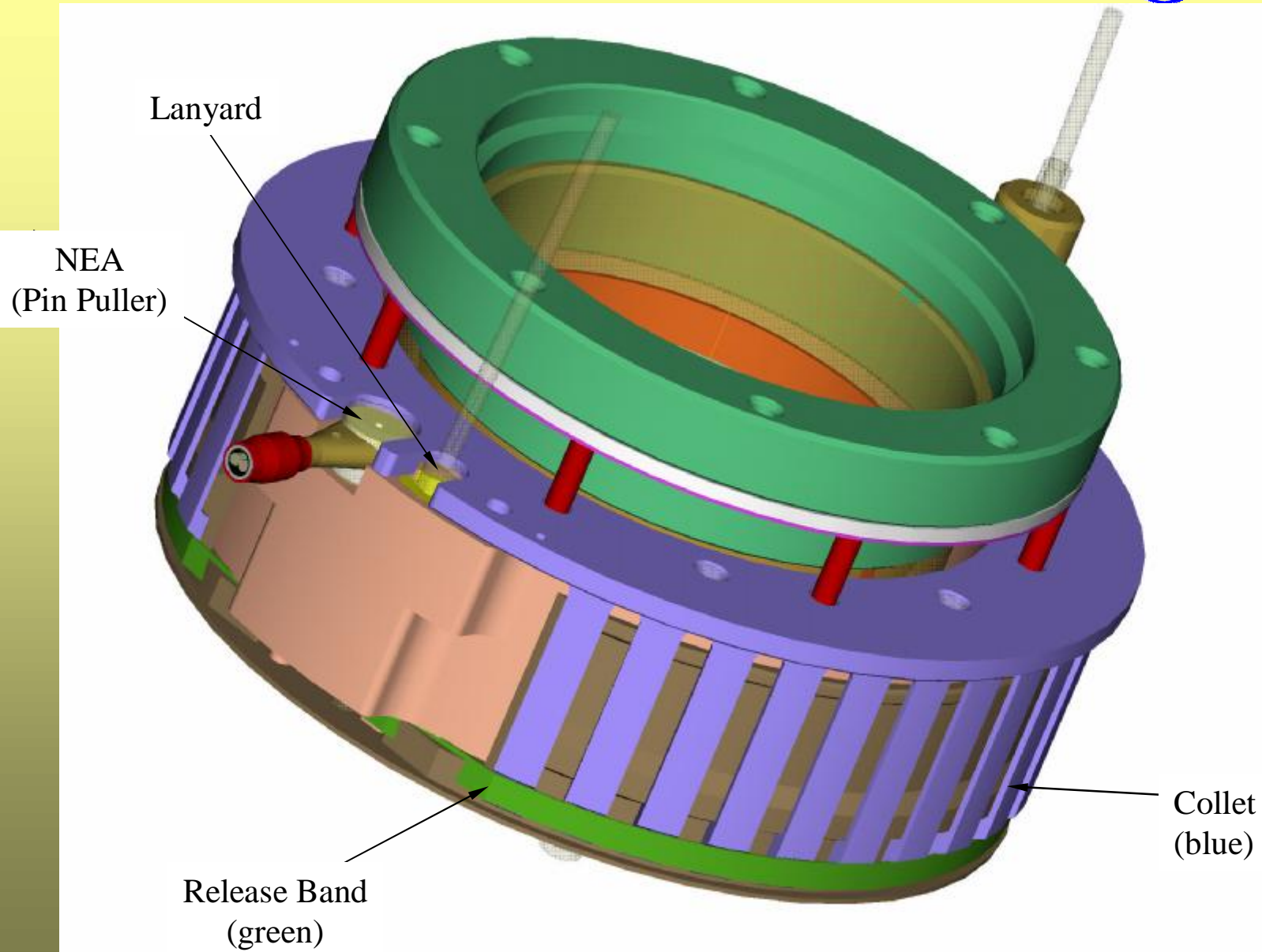
Weight:

Plug = 3.71 pounds maximum

Recp = 2.58 pounds maximum

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Theory of Operation

- n When the connectors are fully mated, the spring package inside the plug (shown without cover) is compressed.
- n The spring package is stored inside the collet, which in turn is restrained by the band assembly.
- n The band assembly is retained by both the NEA pin puller and lanyard pin puller.
- n When either pin puller actuates, the band will pop out of its position. This allows the collet to move upward, releasing the spring energy.
- n This spring energy will push the plug away from receptacle.



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Umbilical**