

The logo for Huber+Suhrner consists of a blue hexagonal frame containing a stylized white "H" and "S" intertwined.

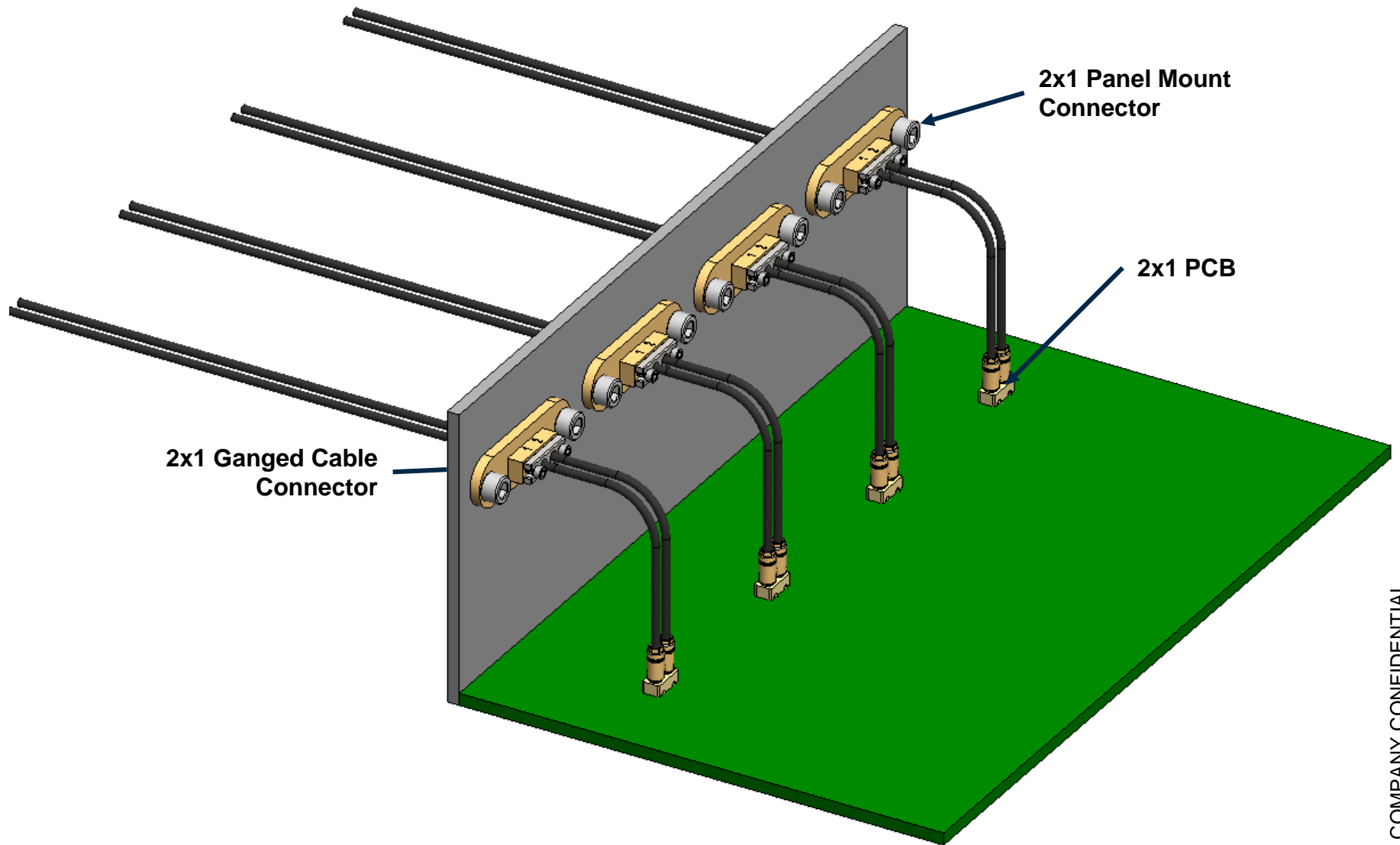
HUBER+SUHNER

Astrolab

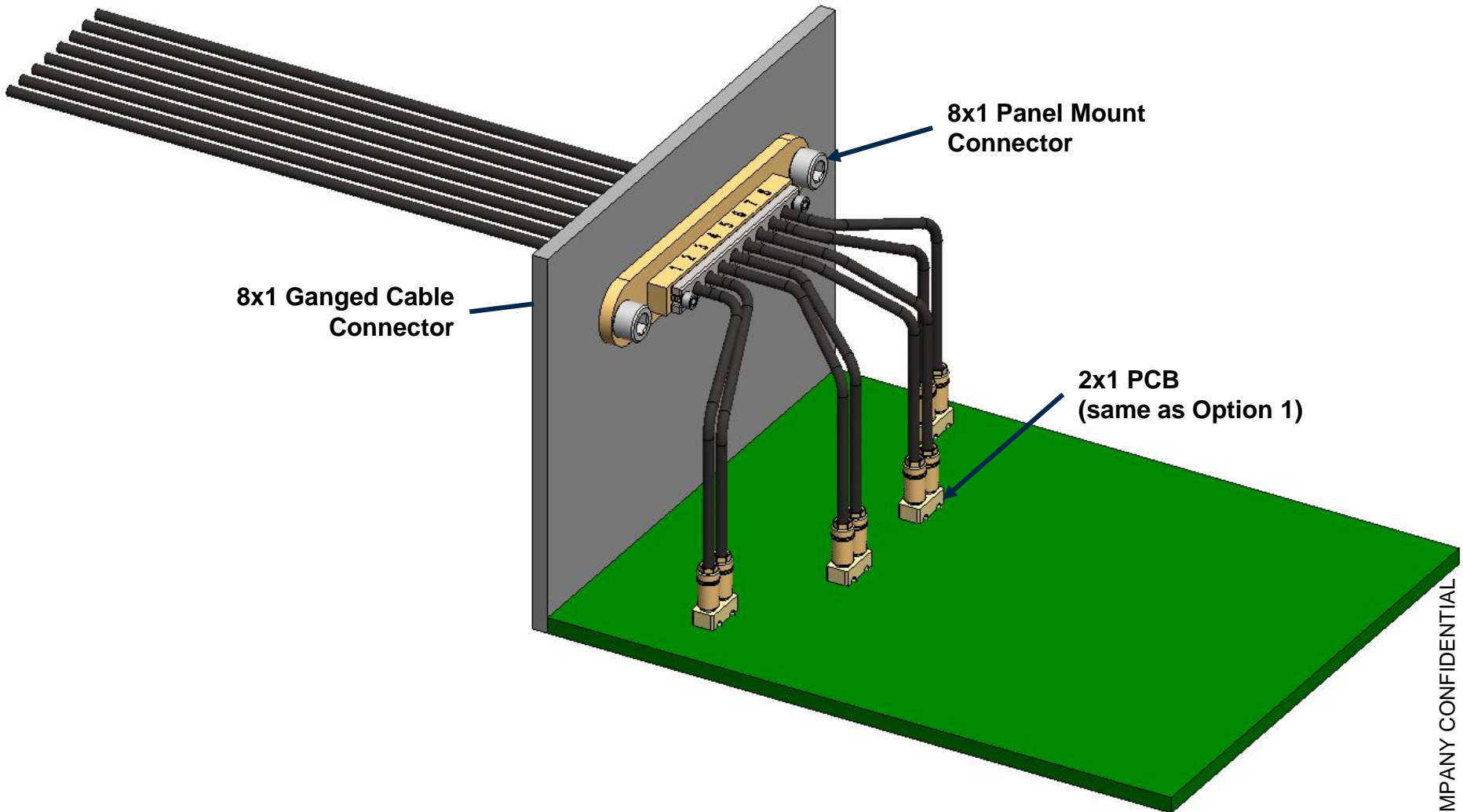
MULTI-COAX PRODUCT CONCEPTS & SOLUTIONS

- **Multi-Coax Harness Overview**
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- **Option 1**
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 - Ganged Cable Connector
 - PCB & Cable Connector
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 - PCB & Cable Connector
 - PCB
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 - Ganged Cable Connector
 - PCB & Cable Connector
 - PCB
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 - Ganged Cable Connector (Option 4a & 4b)
 - PCB & Cable Connector (Option 4a & 4b)
 - PCB (Option 4a & 4b)
- **Performance Specifications of cable options**

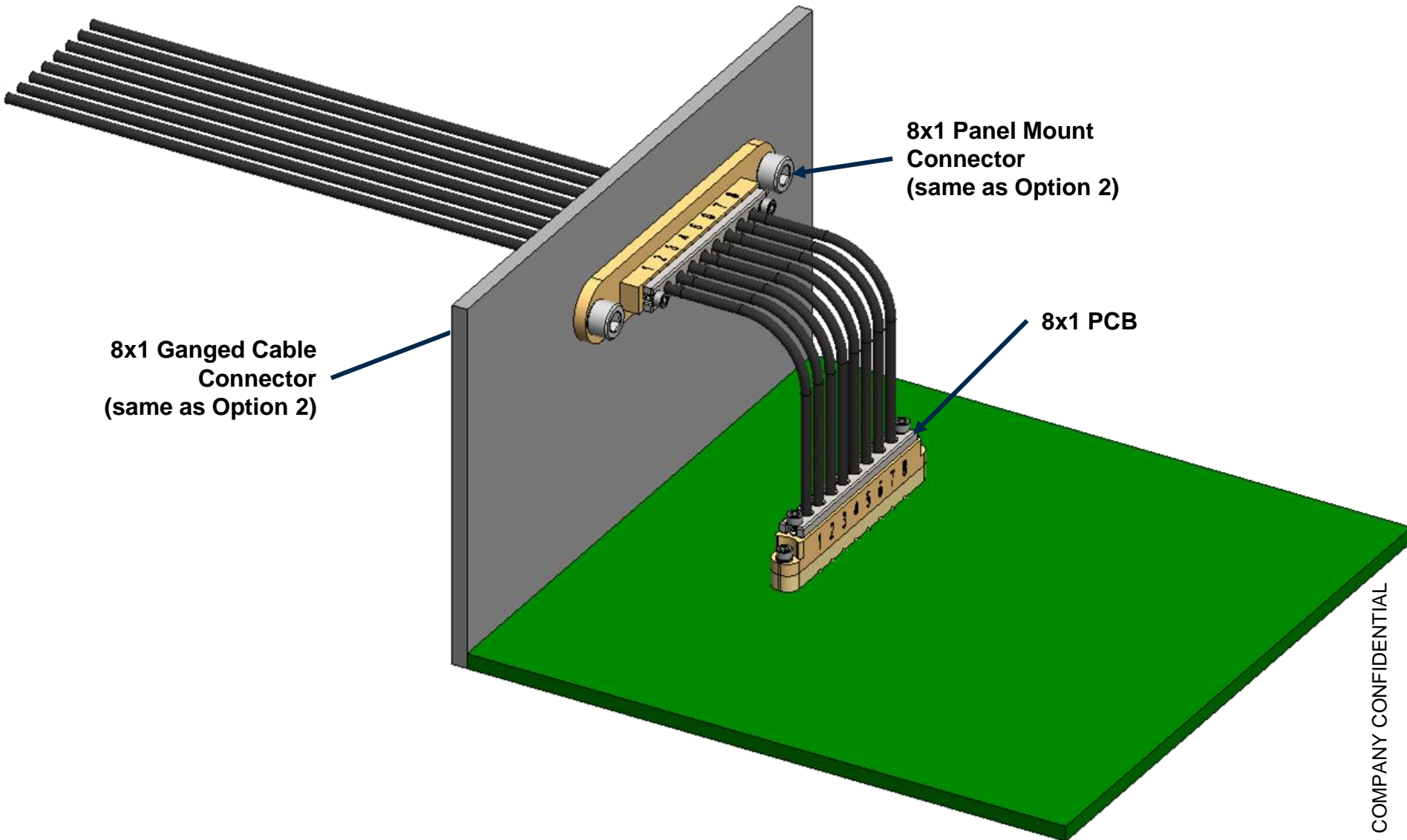
Overview: Option 1



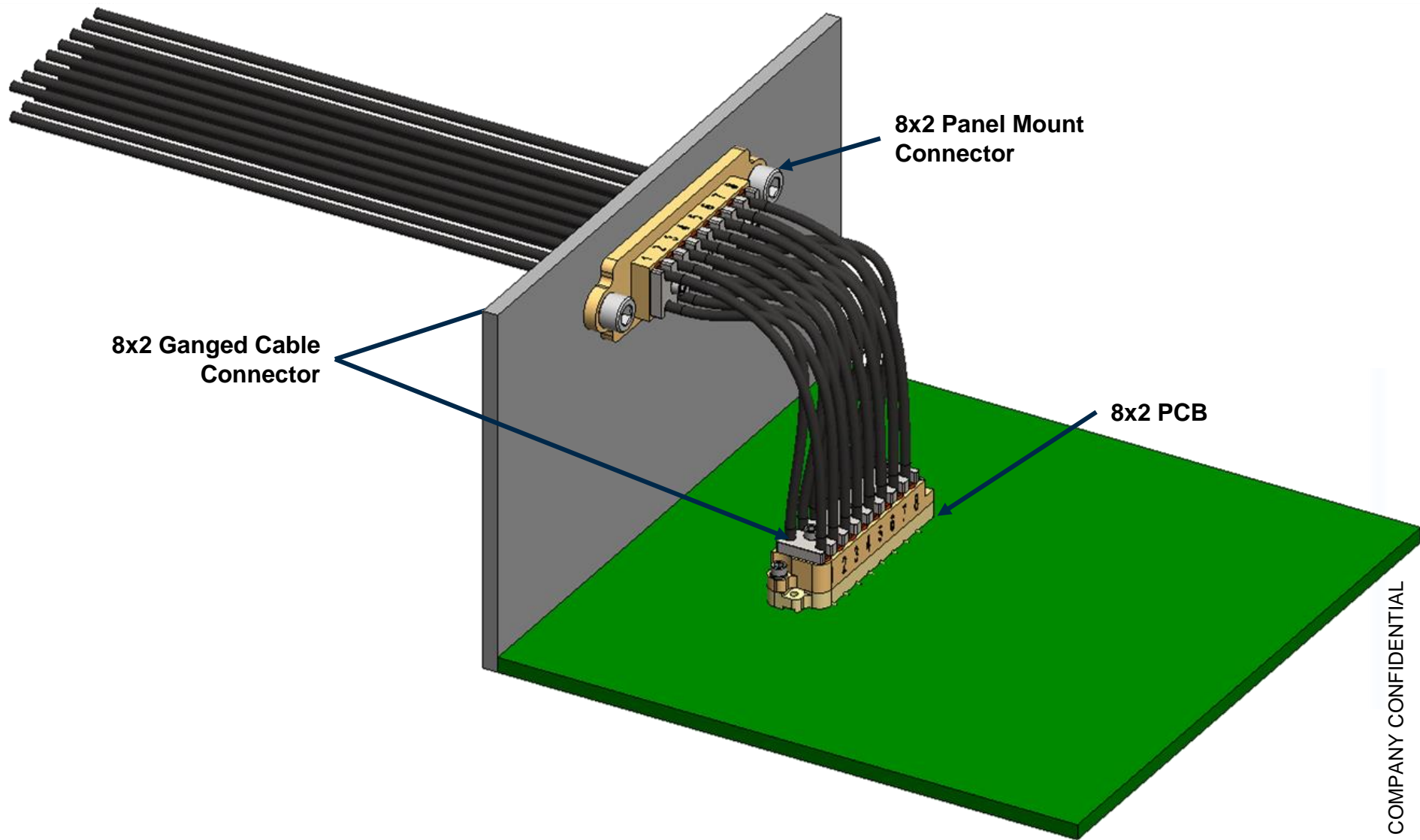
Overview: Option 2



Overview: Option 3

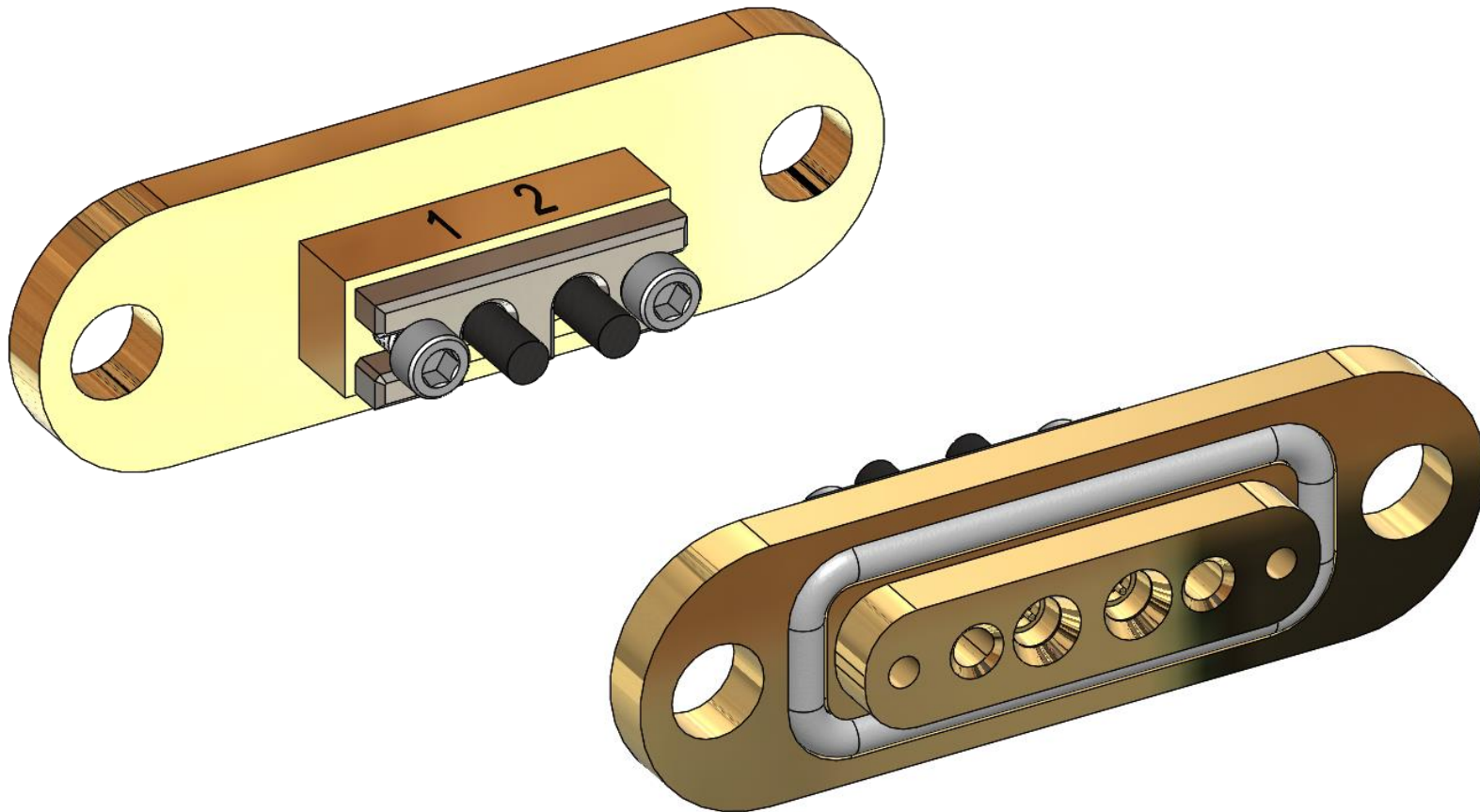


Overview: Option 4

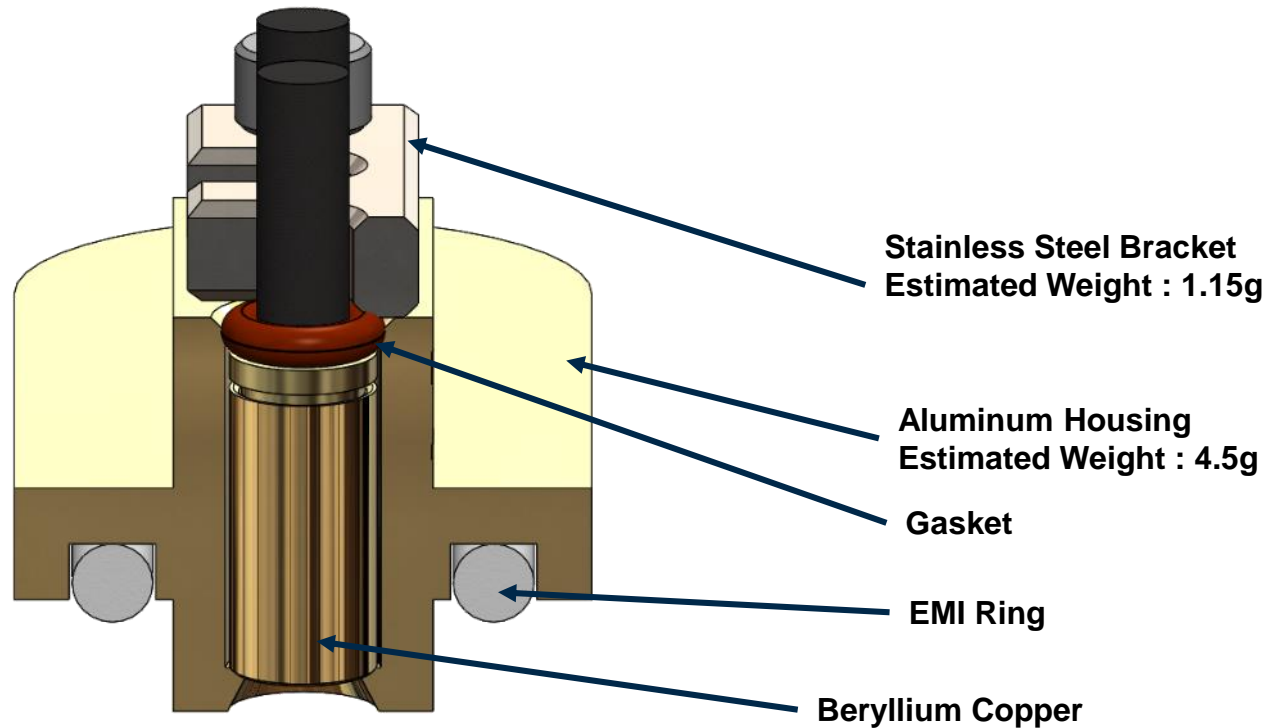


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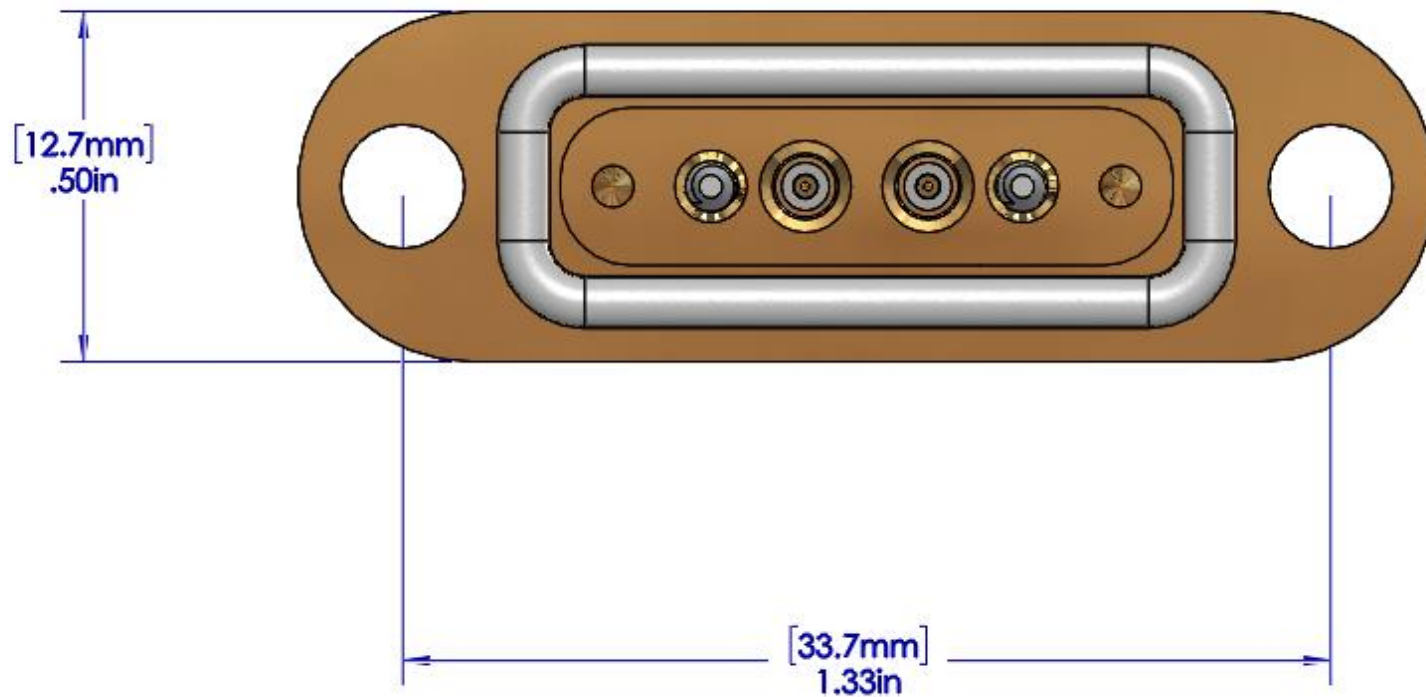
Option 1: 2x1 - Ganged Panel Mount Connector



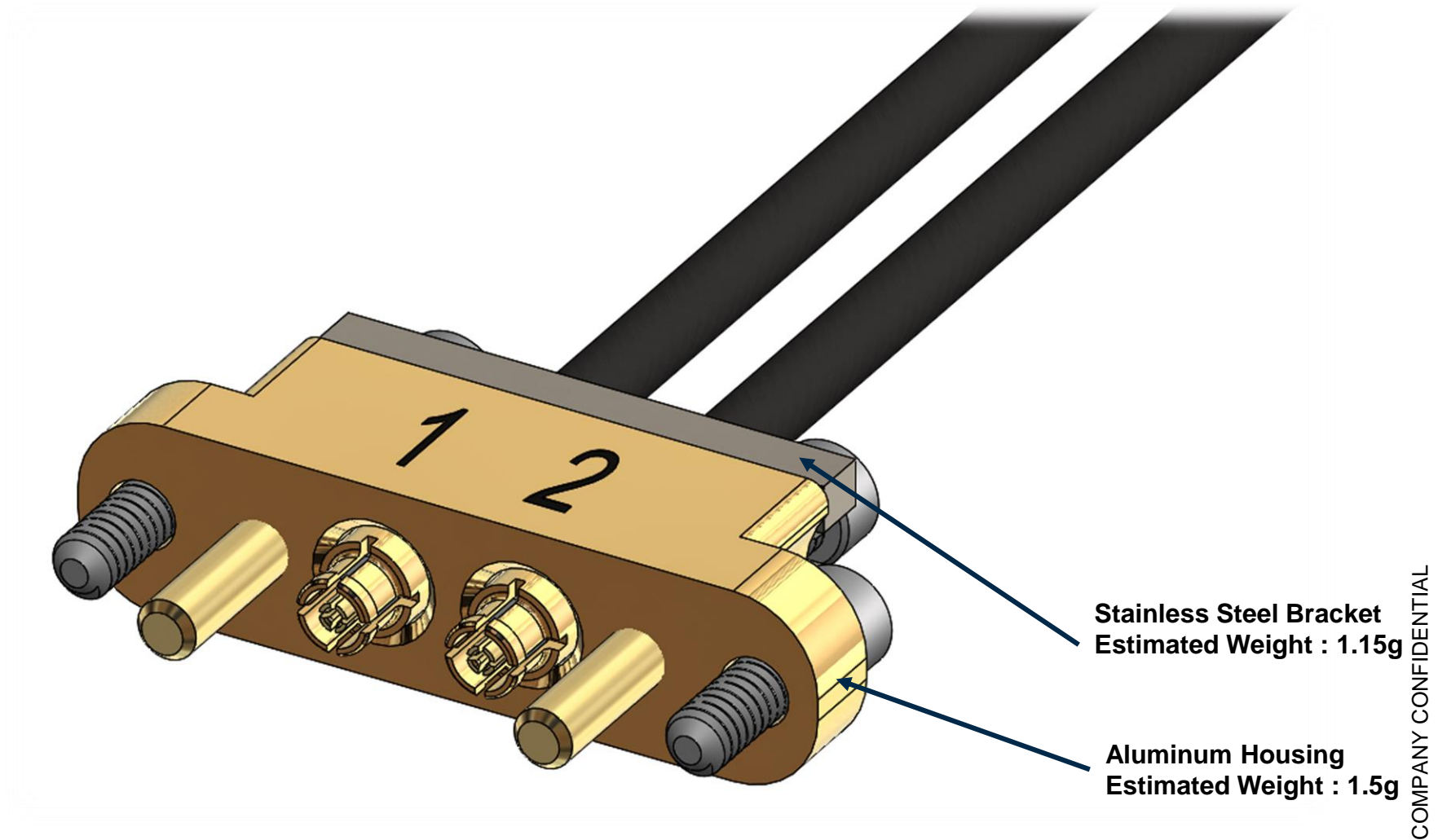
Option 1: 2x1 - Ganged Panel Mount Connector



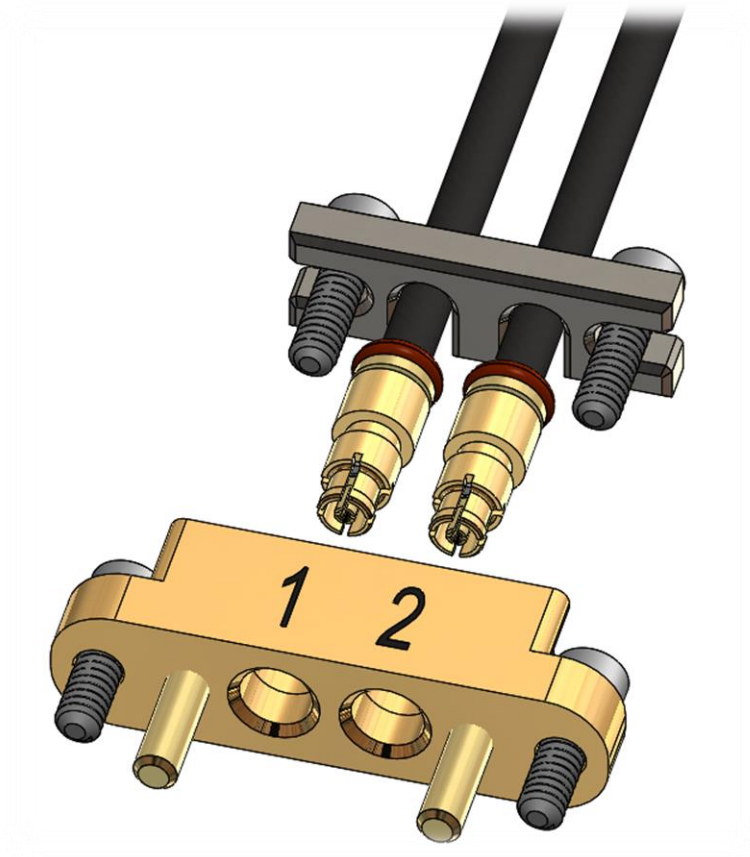
Option 1: 2x1 - Ganged Panel Mount Connector



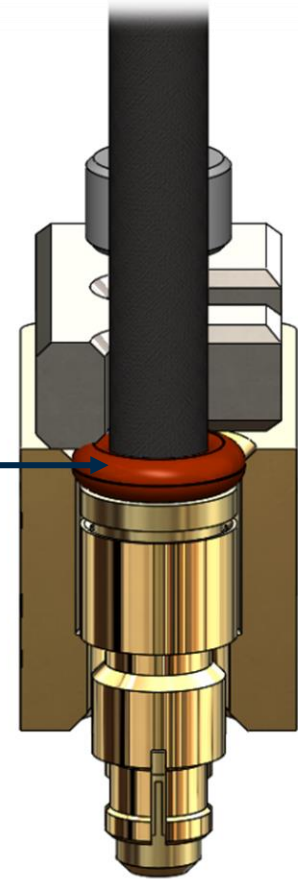
Option 1: 2x1 - Ganged Cable Connector



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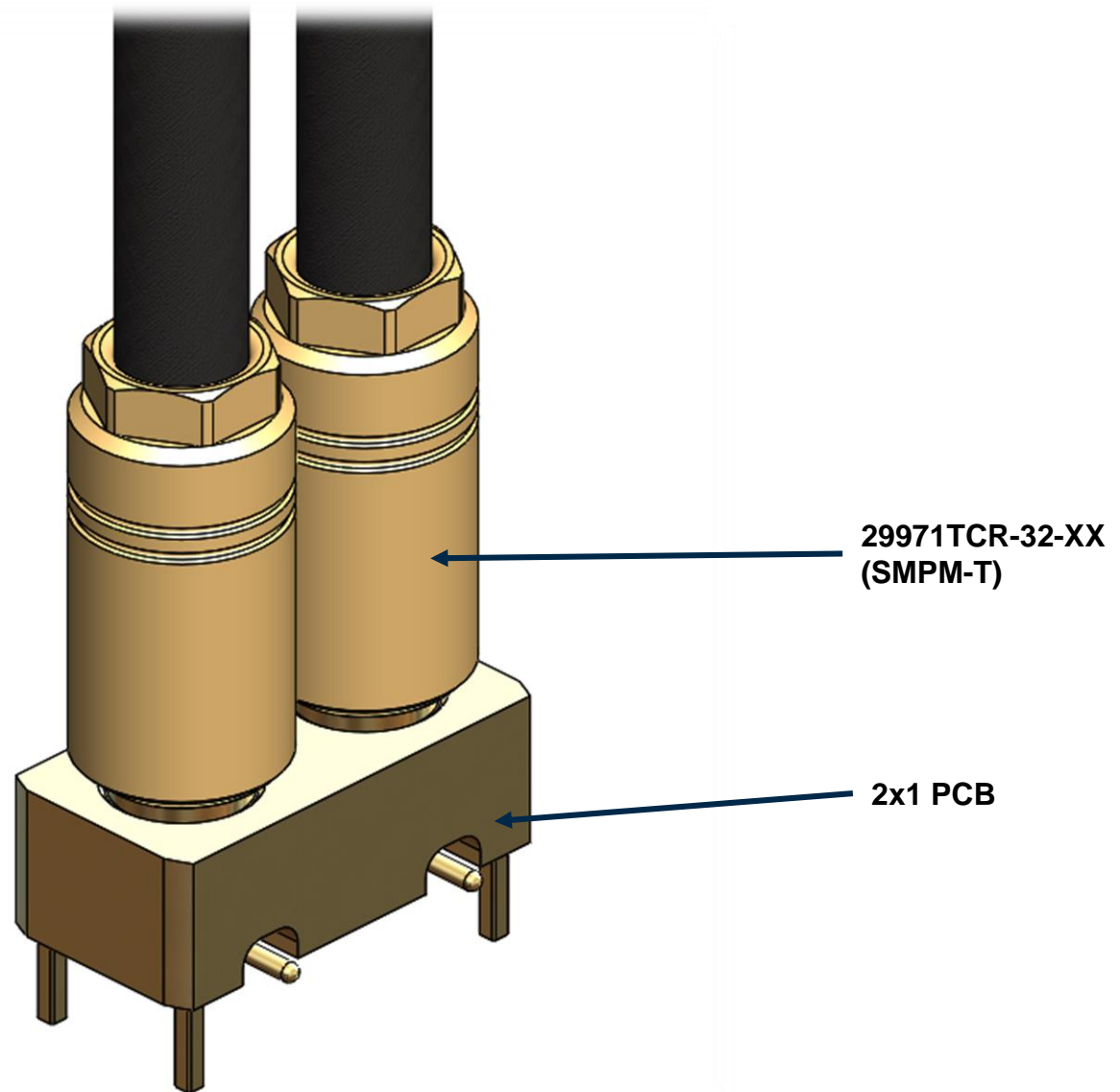


Gaskets

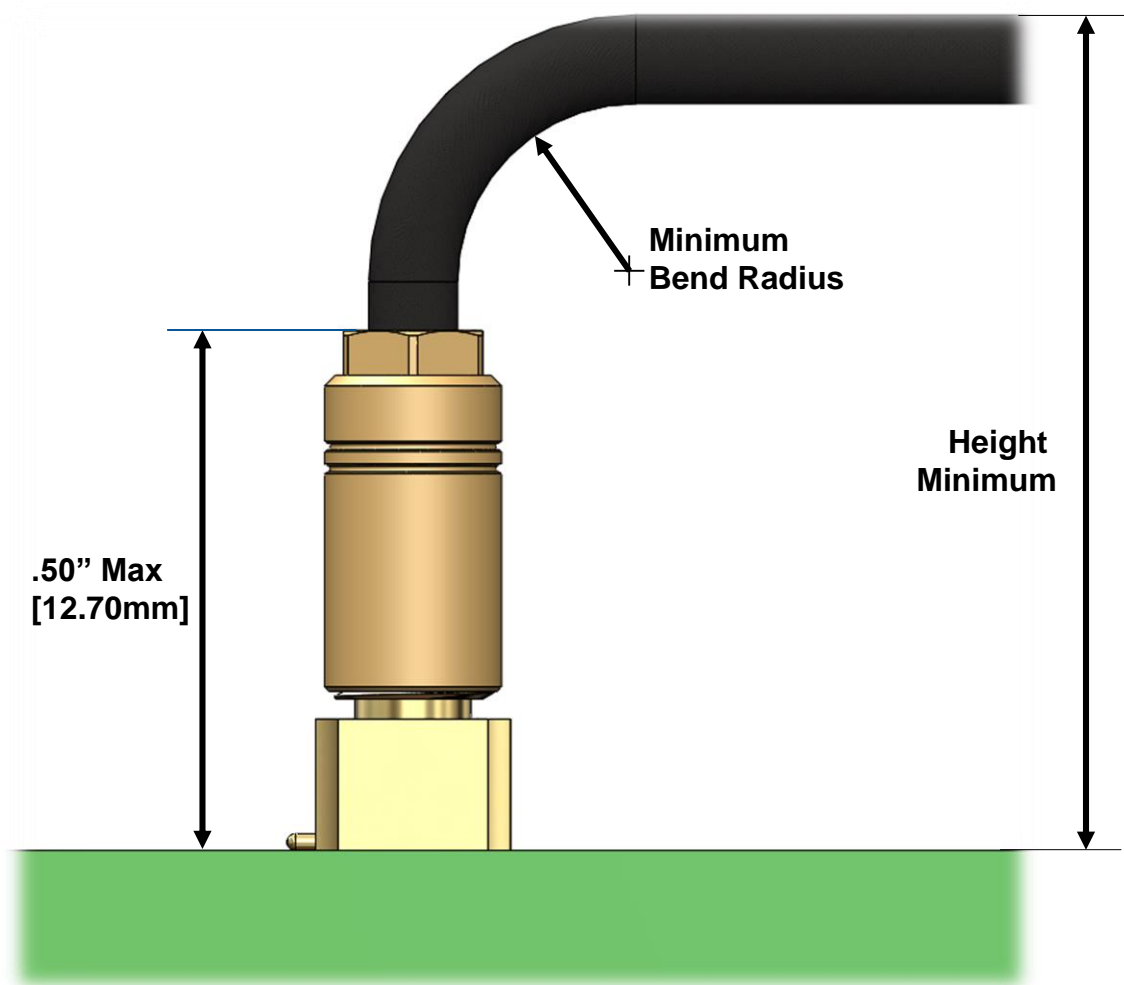


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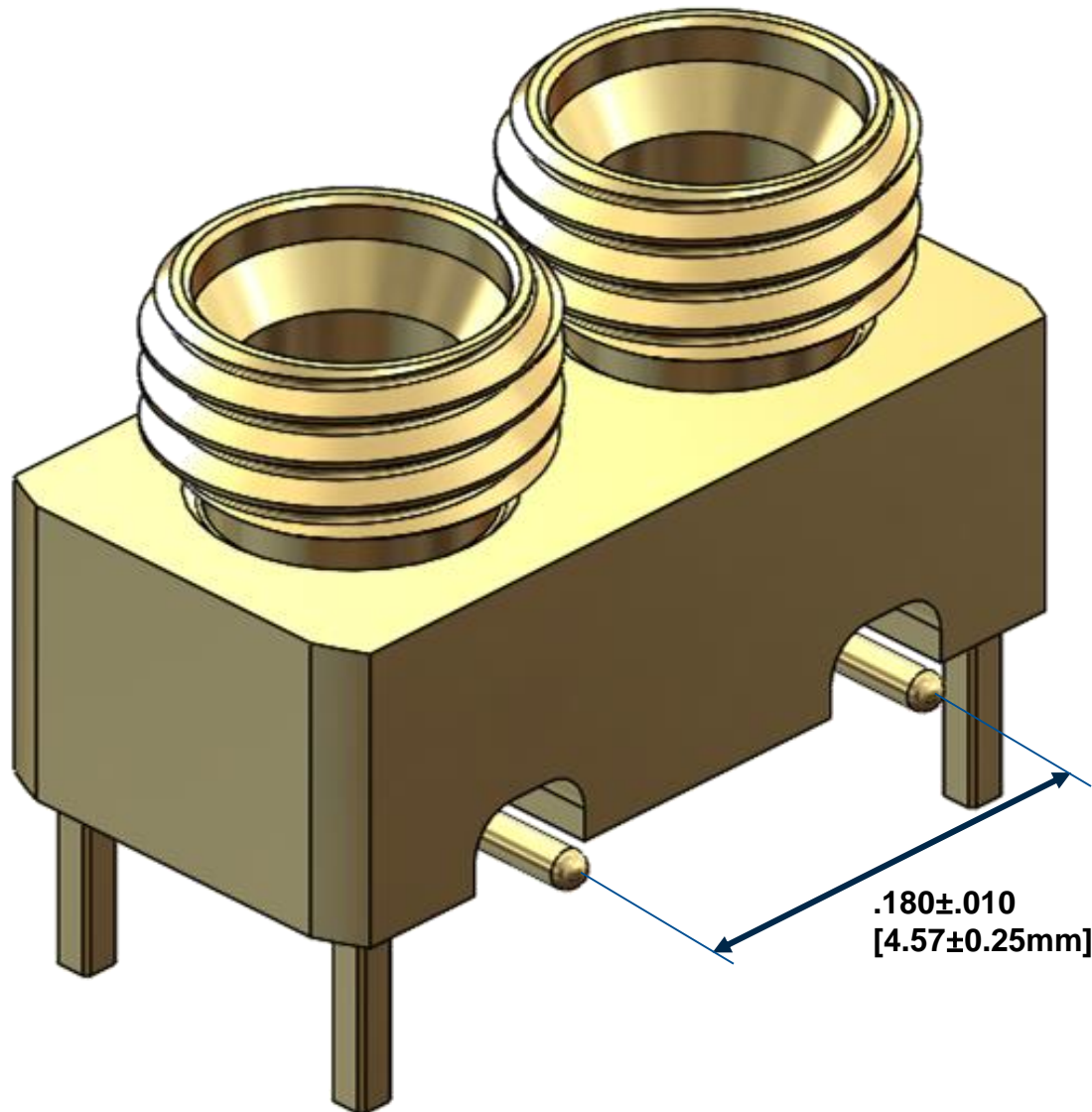
Option 1: 2x1 – PCB & Cable Connector



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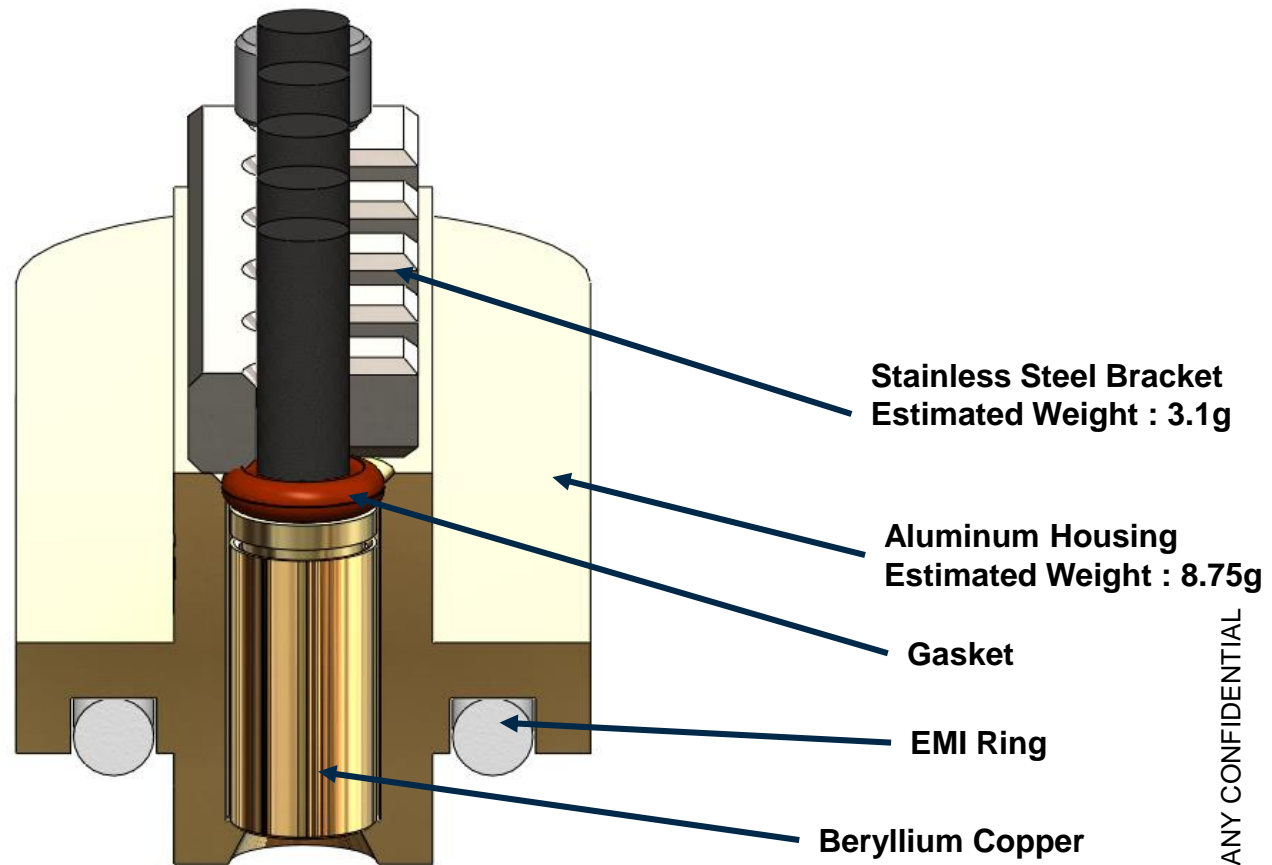
Option 1: 2x1 – PCB



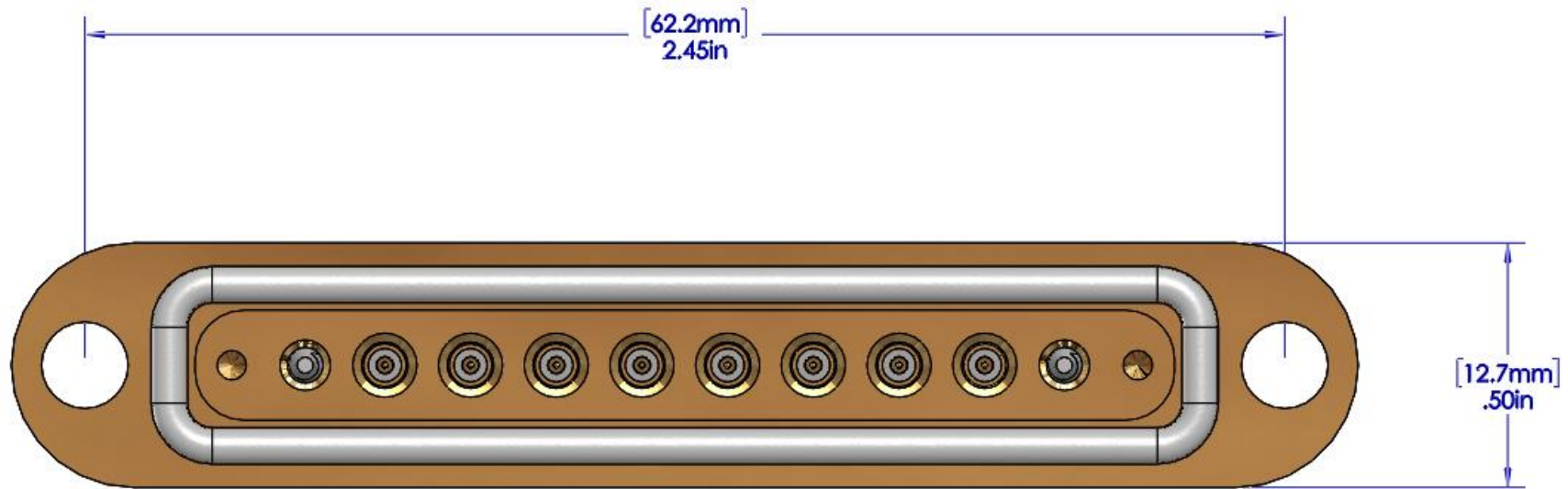
Option 2: 8x1 - Ganged Panel Mount Connector



Option 2: 8x1 - Ganged Panel Mount Connector

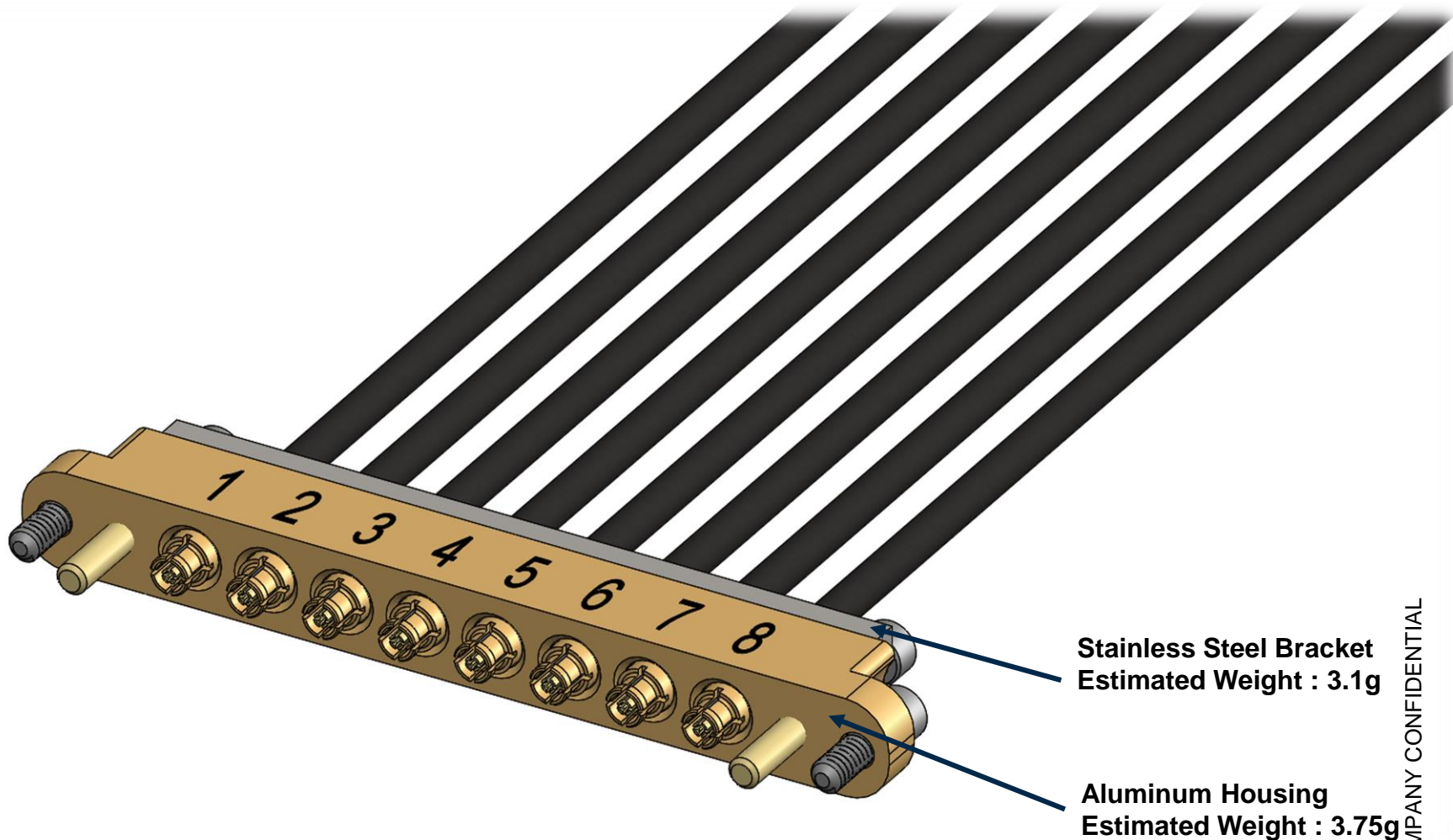


Option 2: 8x1 - Ganged Panel Mount Connector



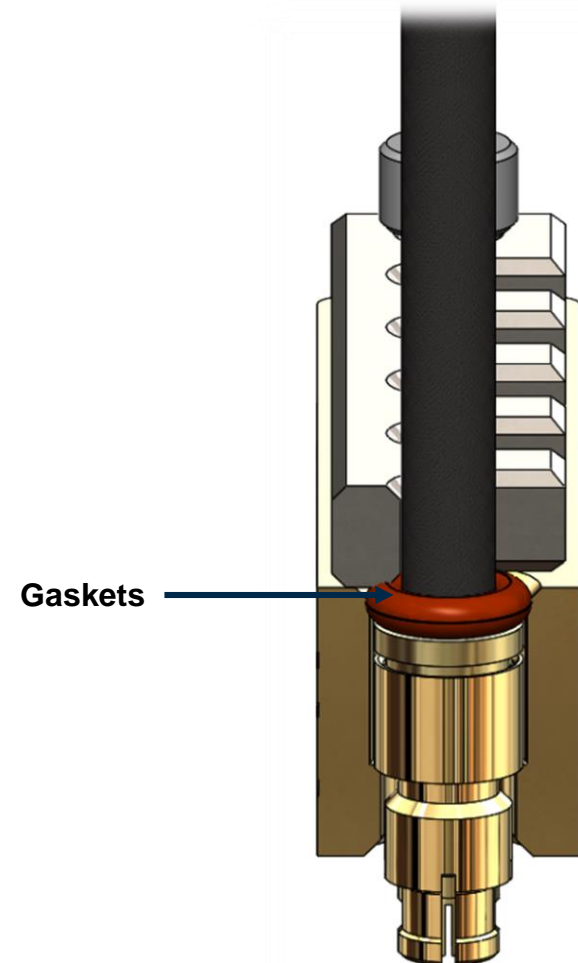
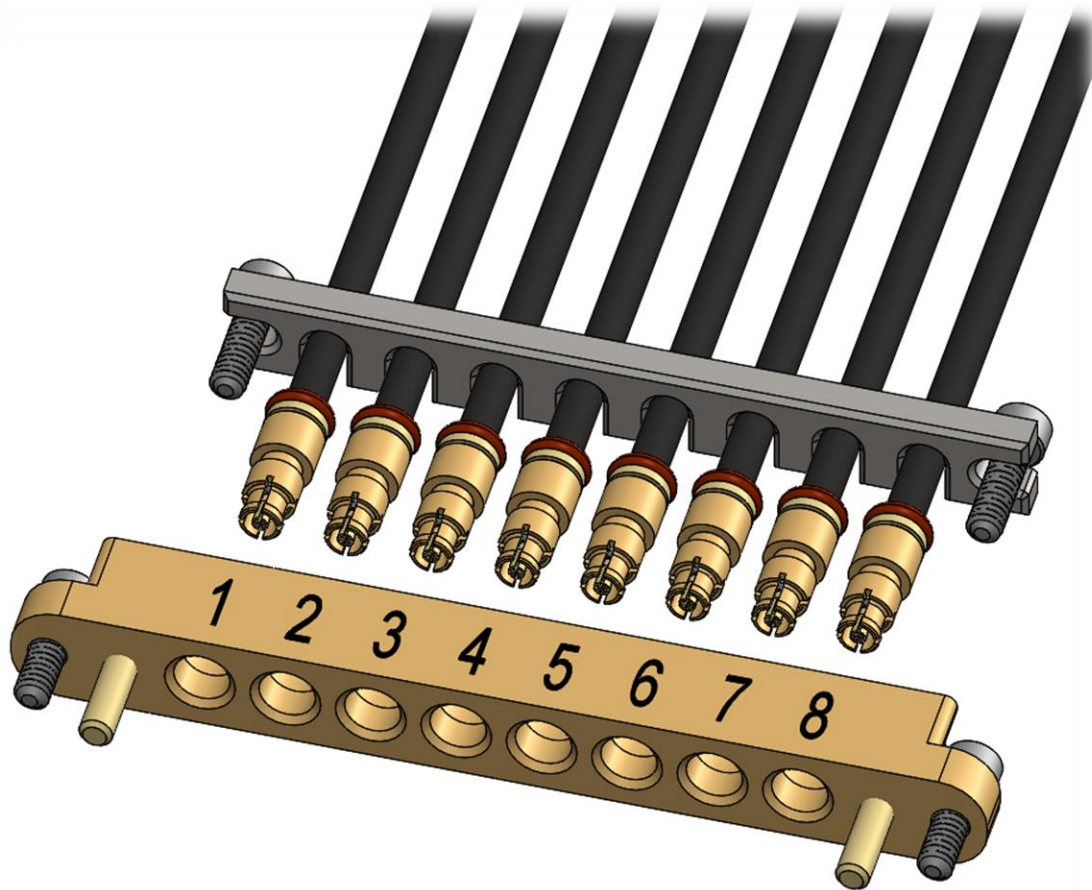
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Option 2: 8x1 - Ganged Cable Connector



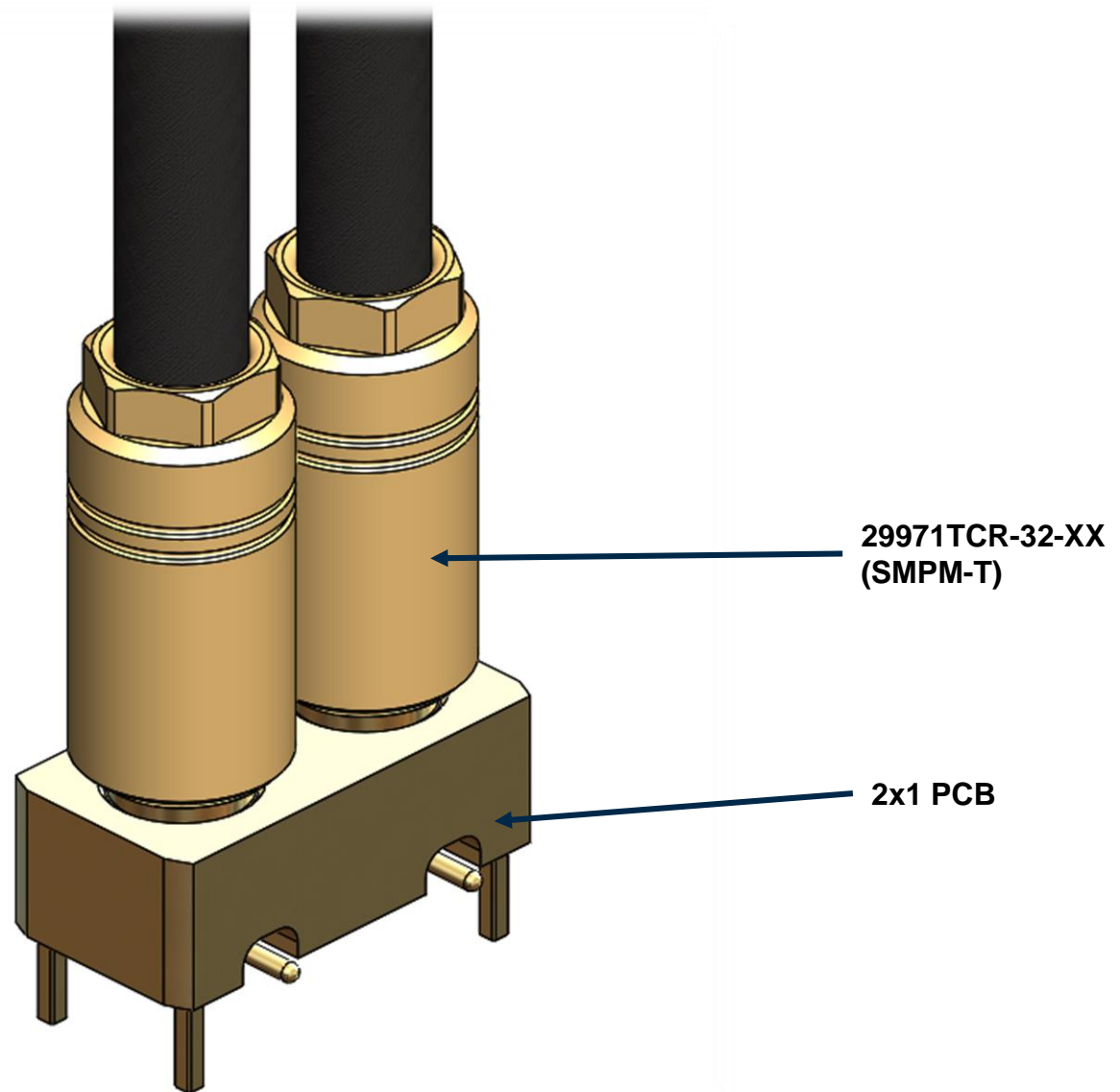
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Option 2: 8x1 - Ganged Cable Connector

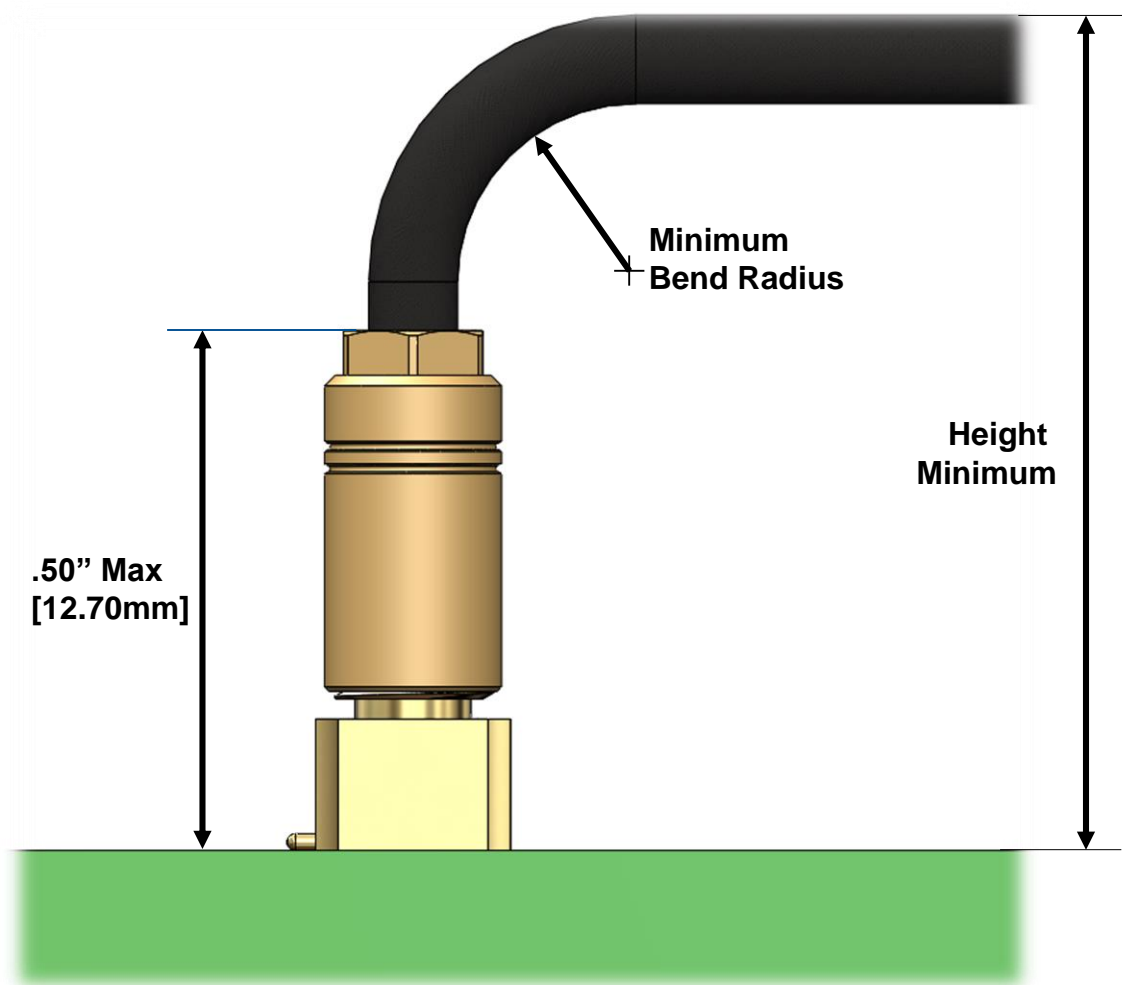


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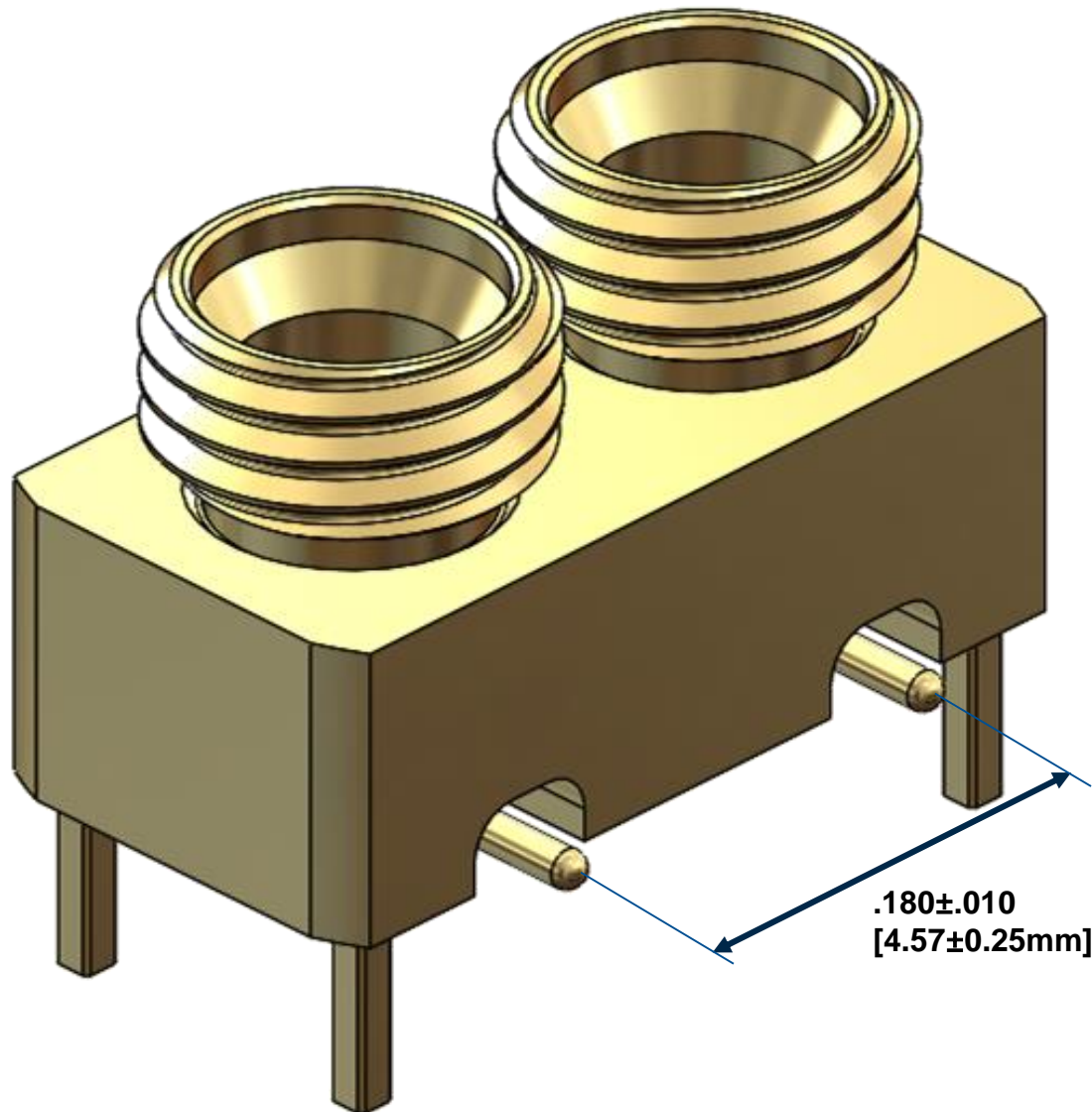
Option 2: 2x1 – PCB & Cable Connector



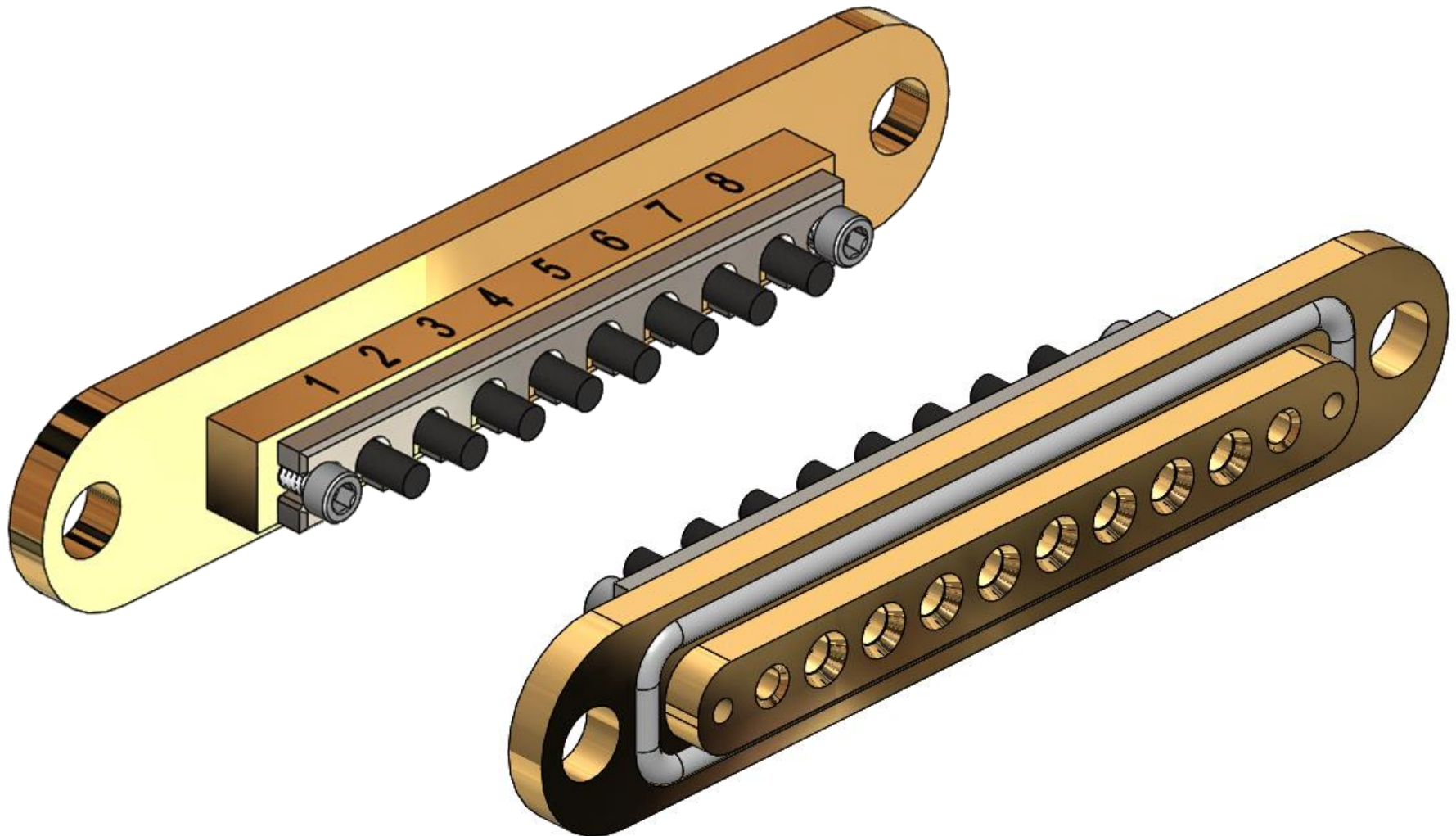
Option 2: 2x1 – PCB & Cable Connector



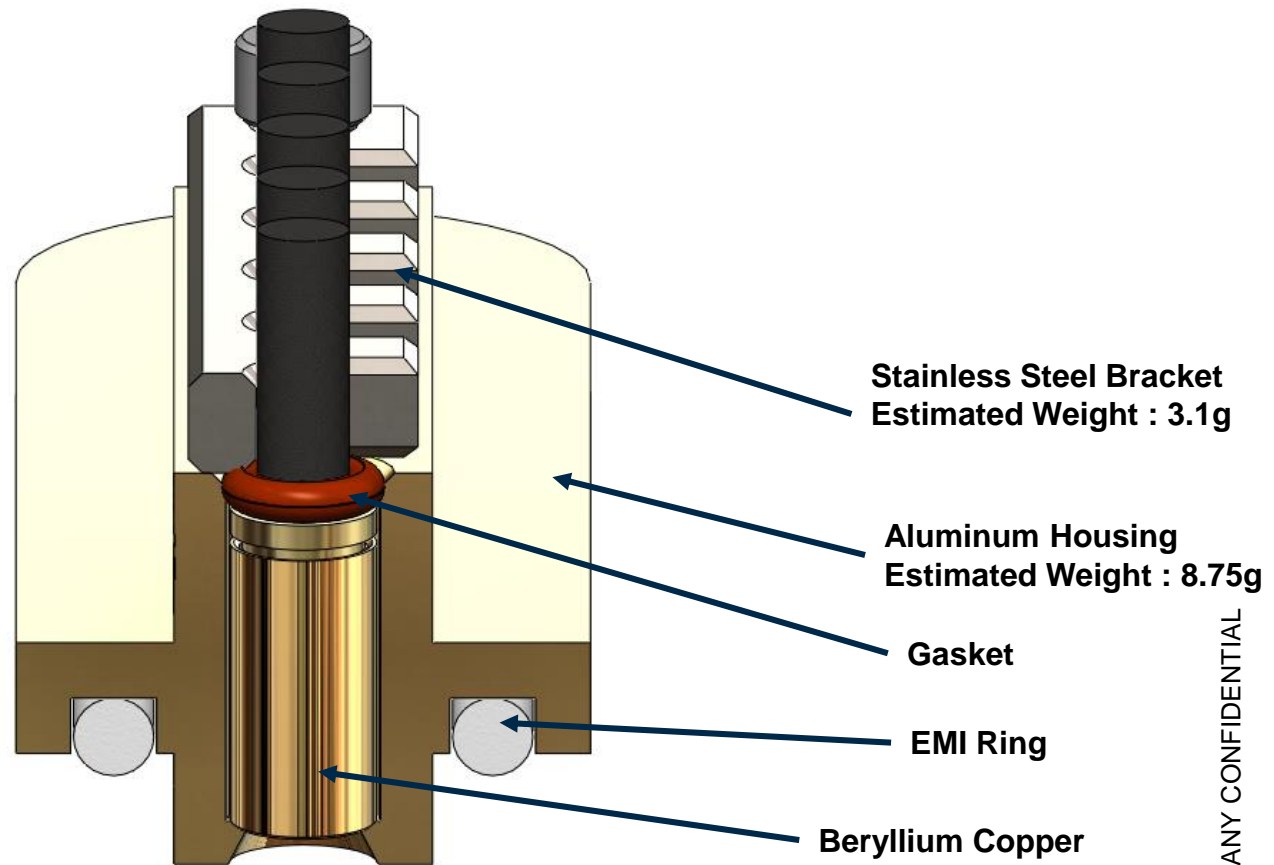
Option 2: 2x1 – PCB



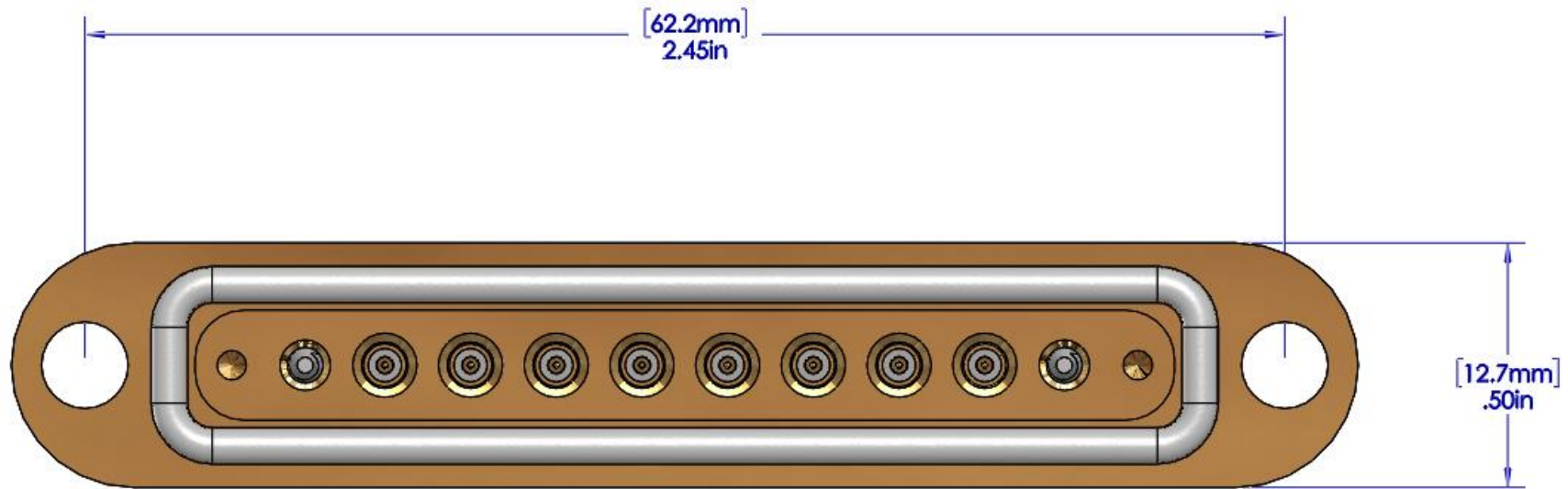
Option 3: 8x1 - Ganged Panel Mount Connector



Option 3: 8x1 - Ganged Panel Mount Connector

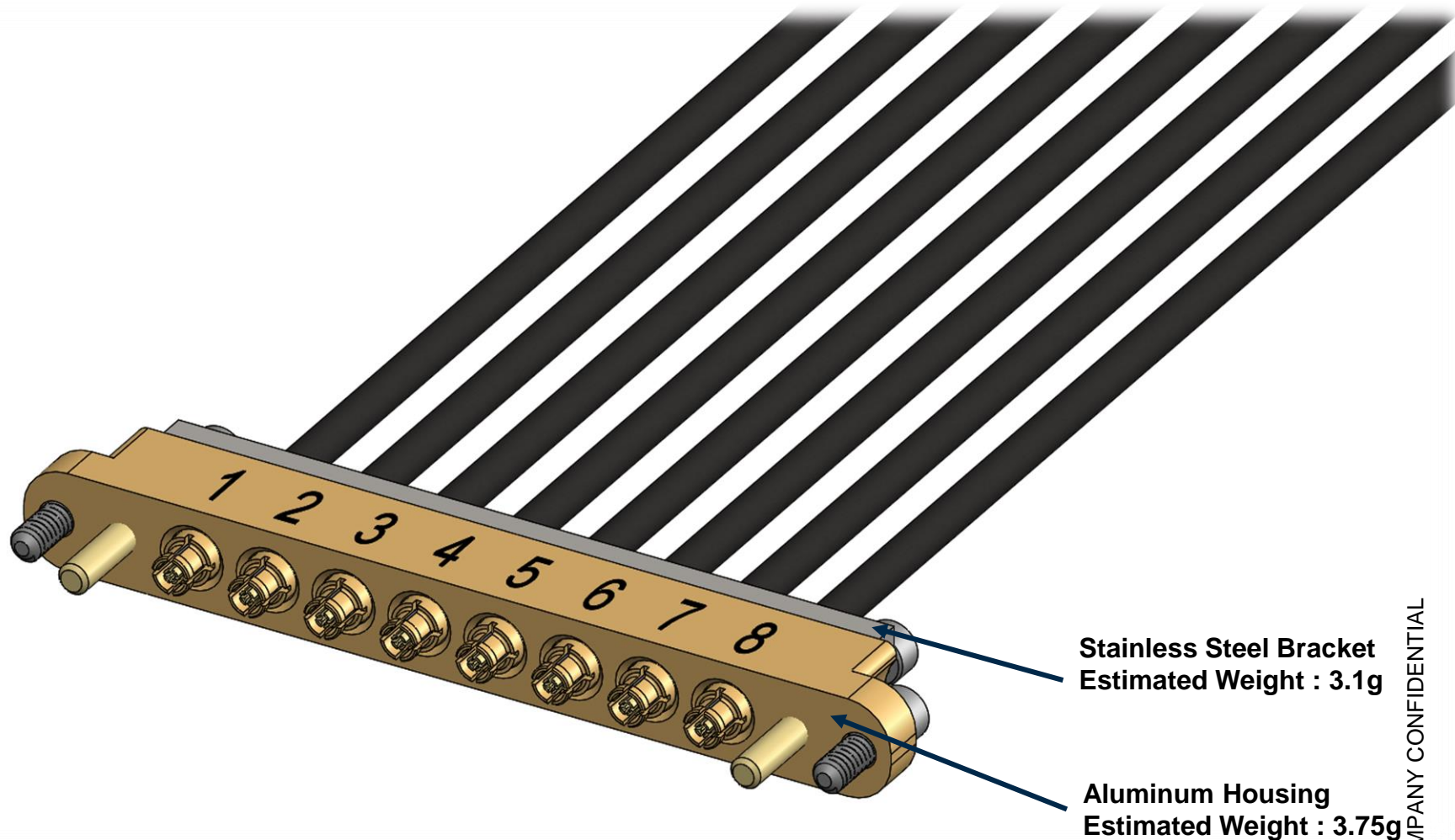


Option 3: 8x1 - Ganged Panel Mount Connector



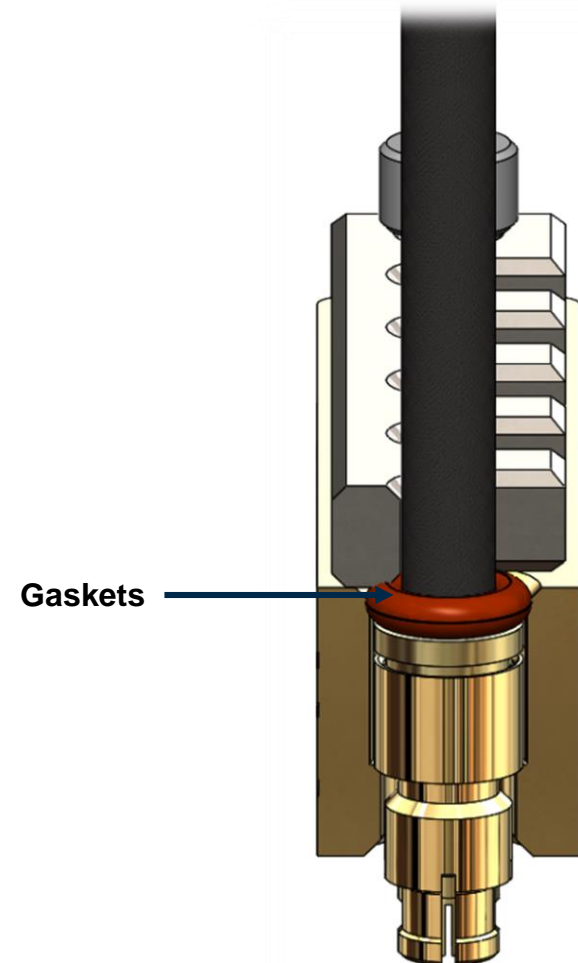
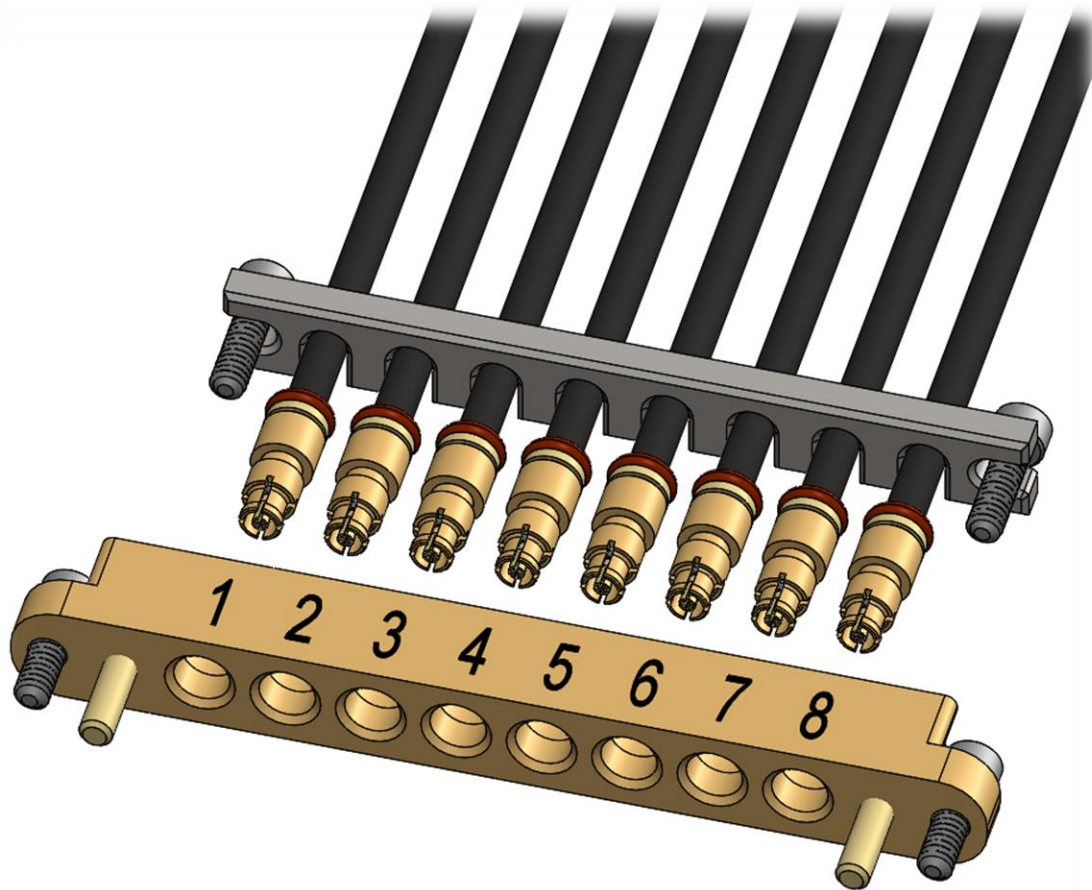
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Option 3: 8x1 - Ganged Cable Connector

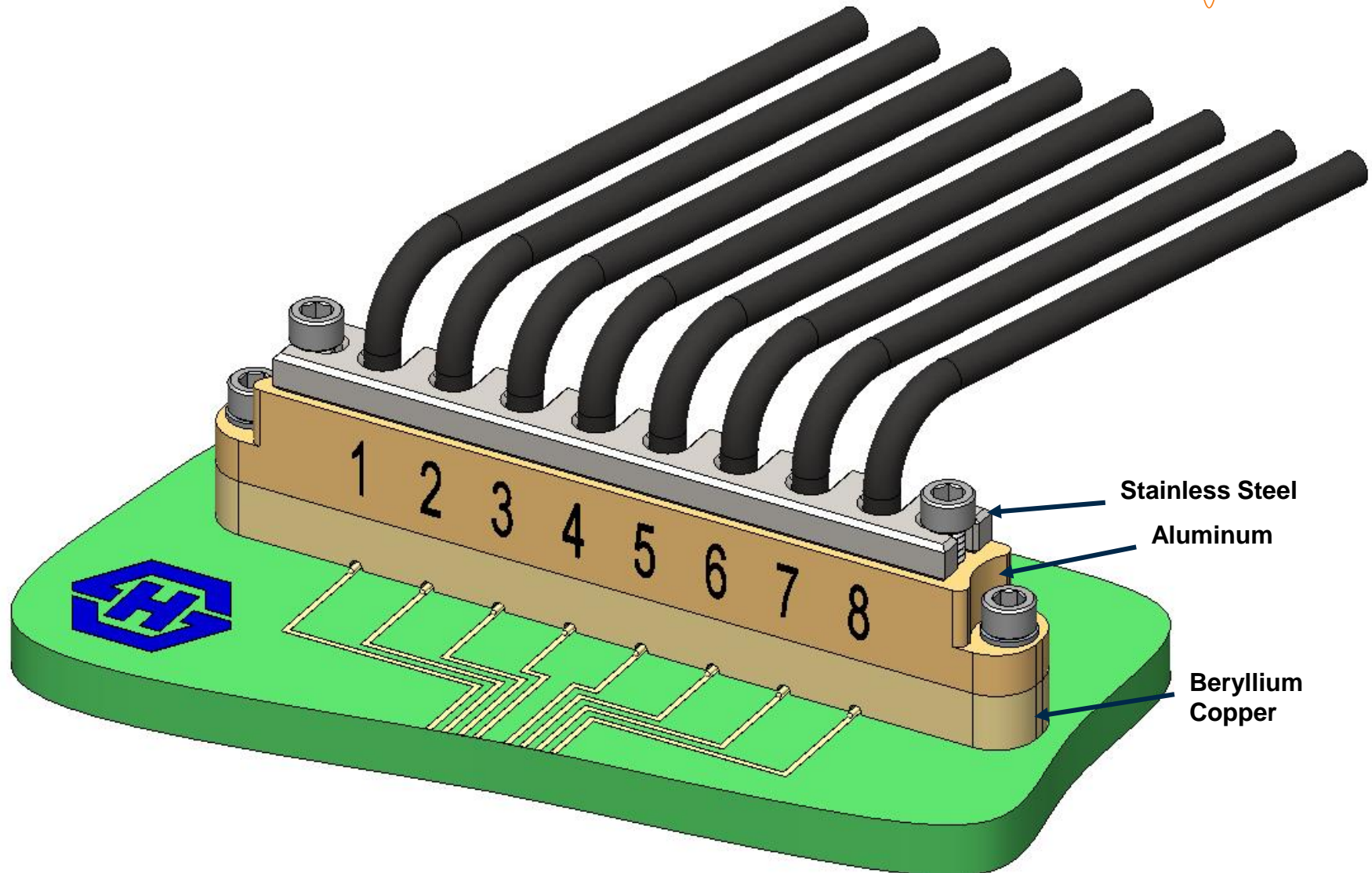


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Option 3: 8x1 - Ganged Cable Connector

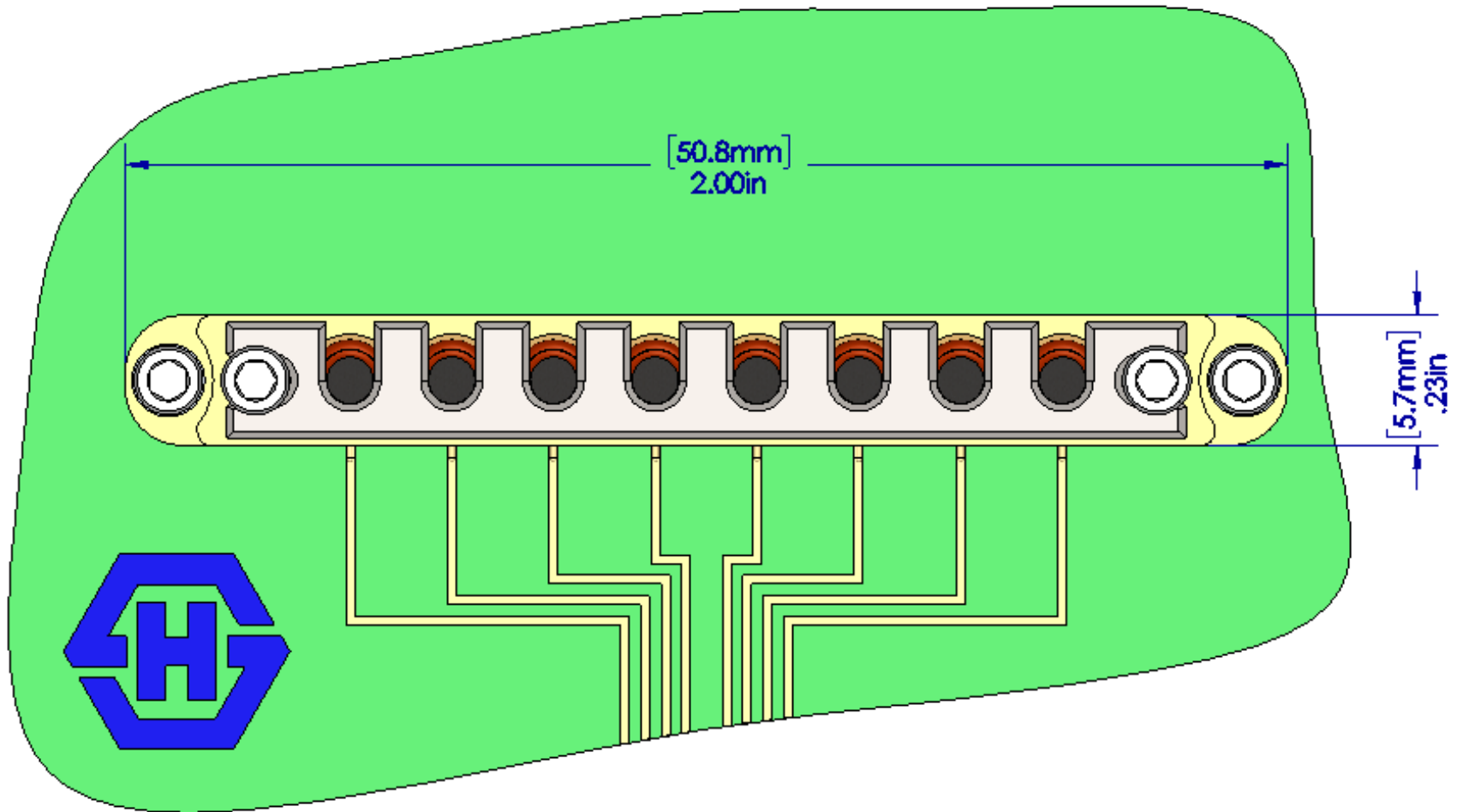


Option 3: 8x1 – PCB & Ganged Cable Connector

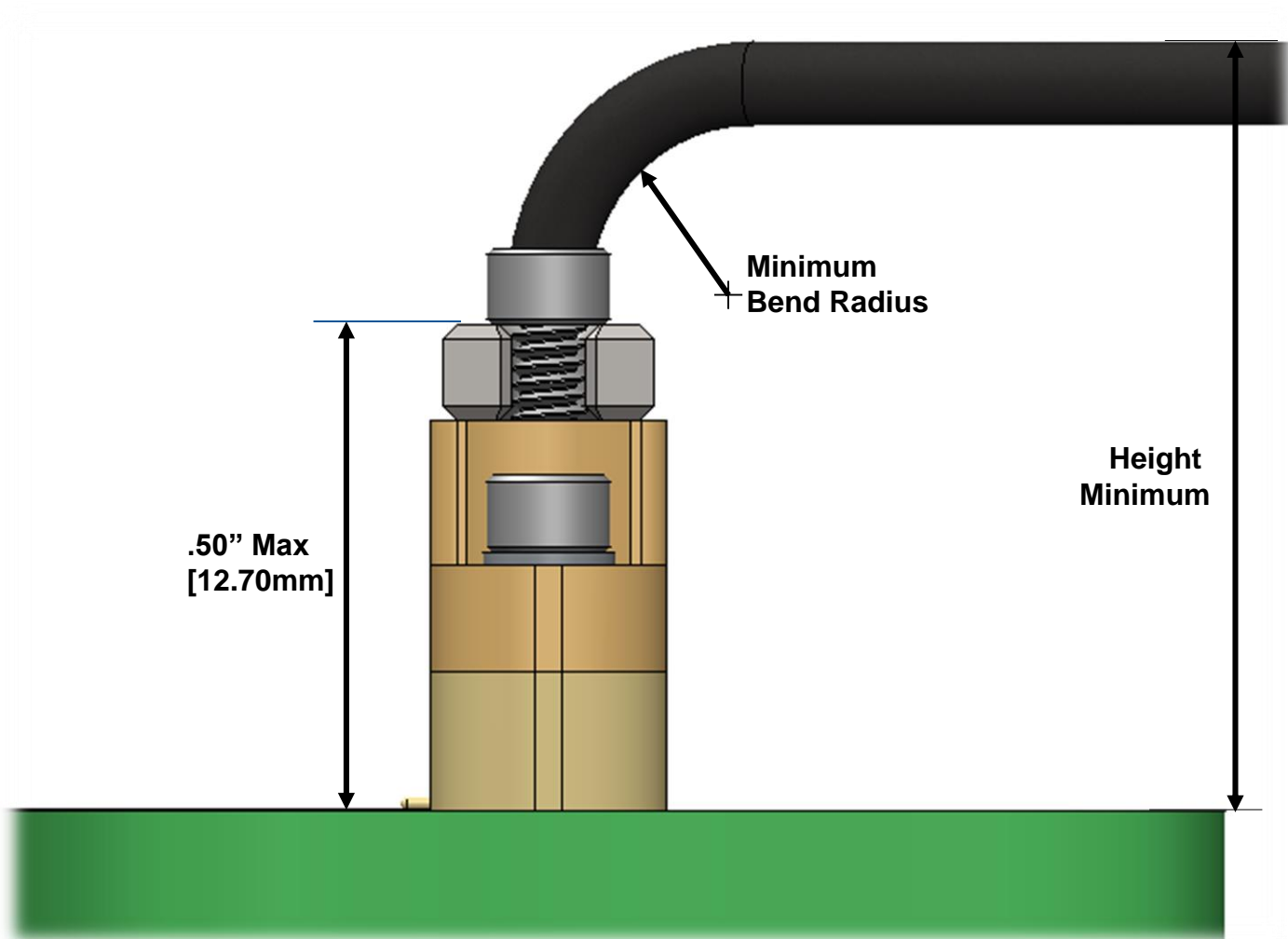


Option 3:

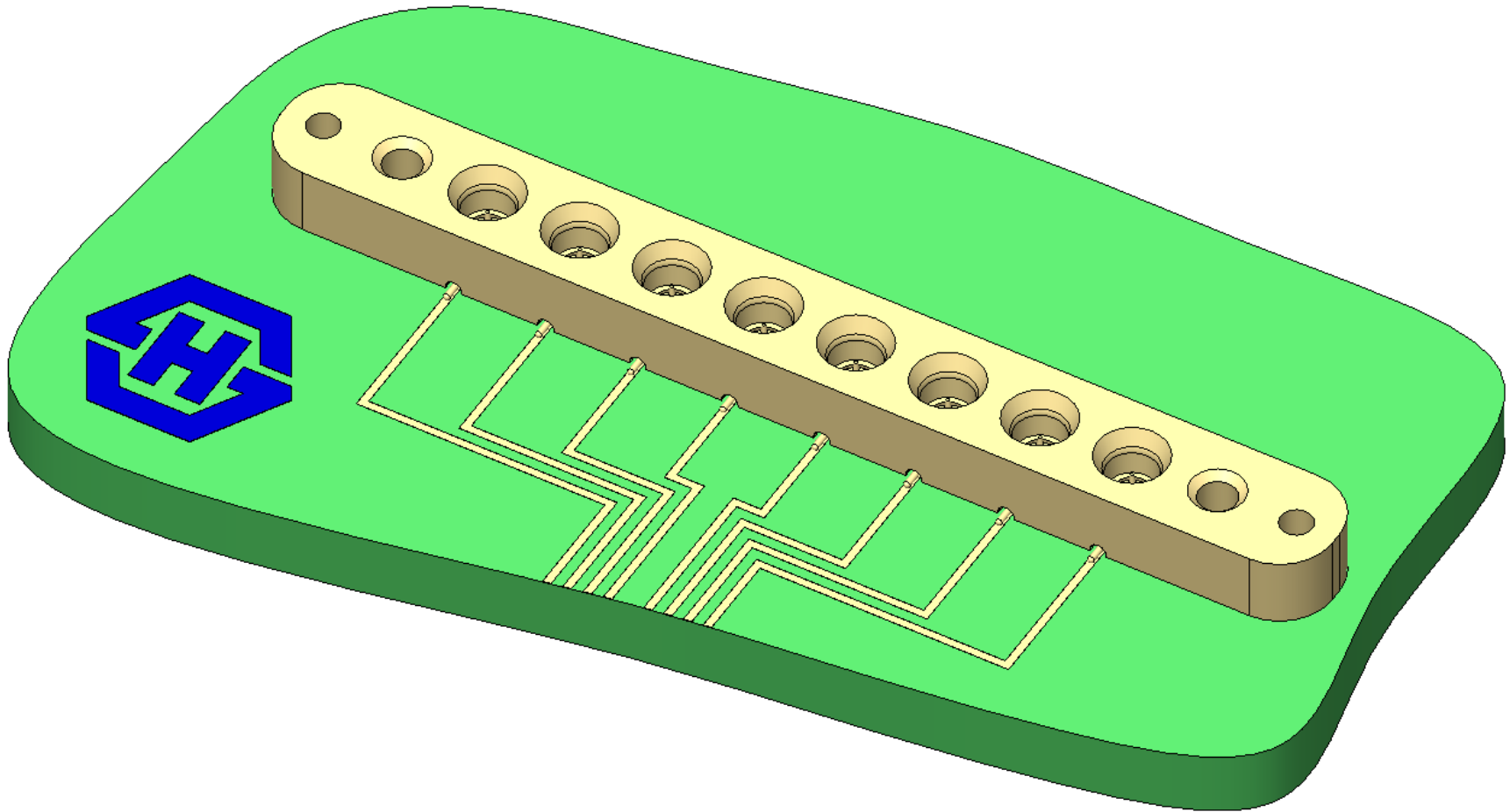
8x1 – PCB & Ganged Cable Connector



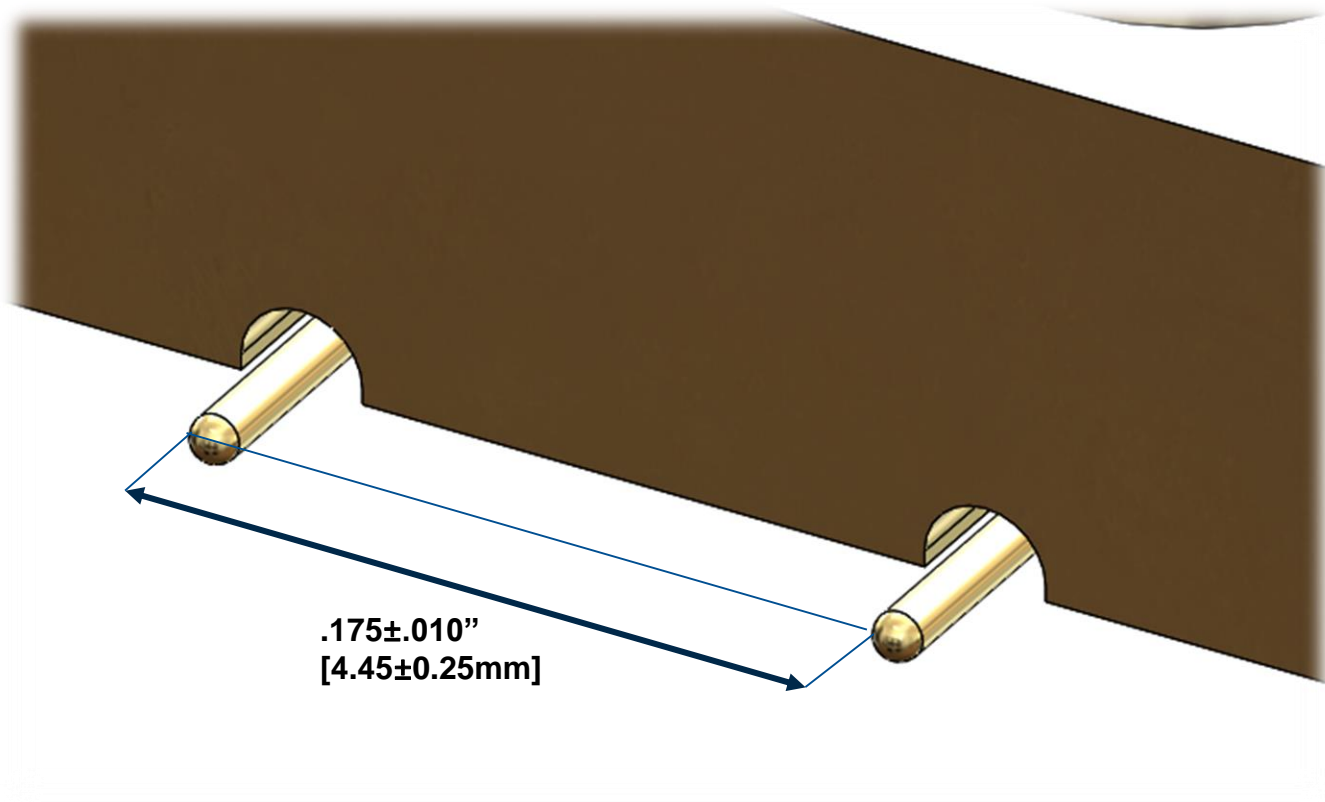
Option 3: 8x1 – PCB & Ganged Cable Connector



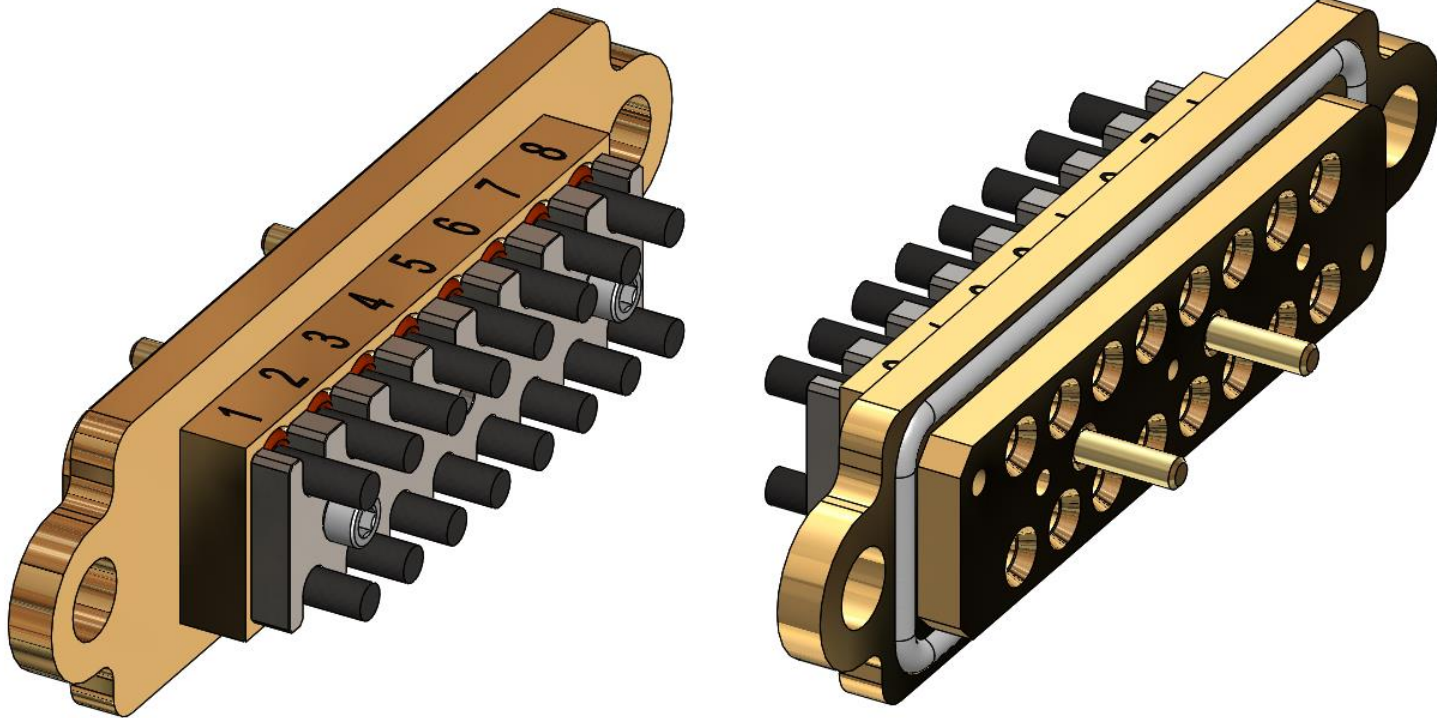
Option 3: 8x1 – PCB



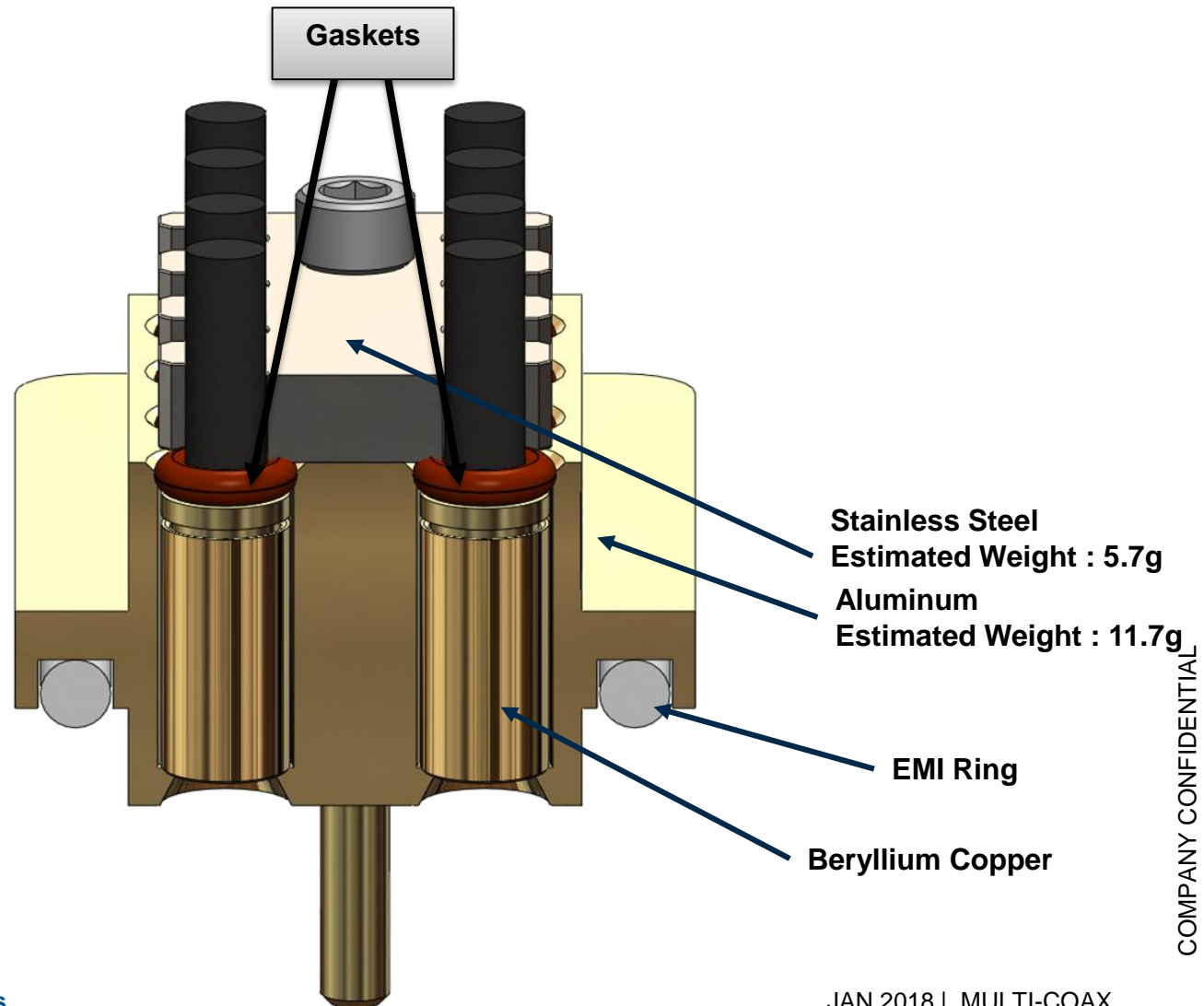
Option 3: 8x1 – PCB



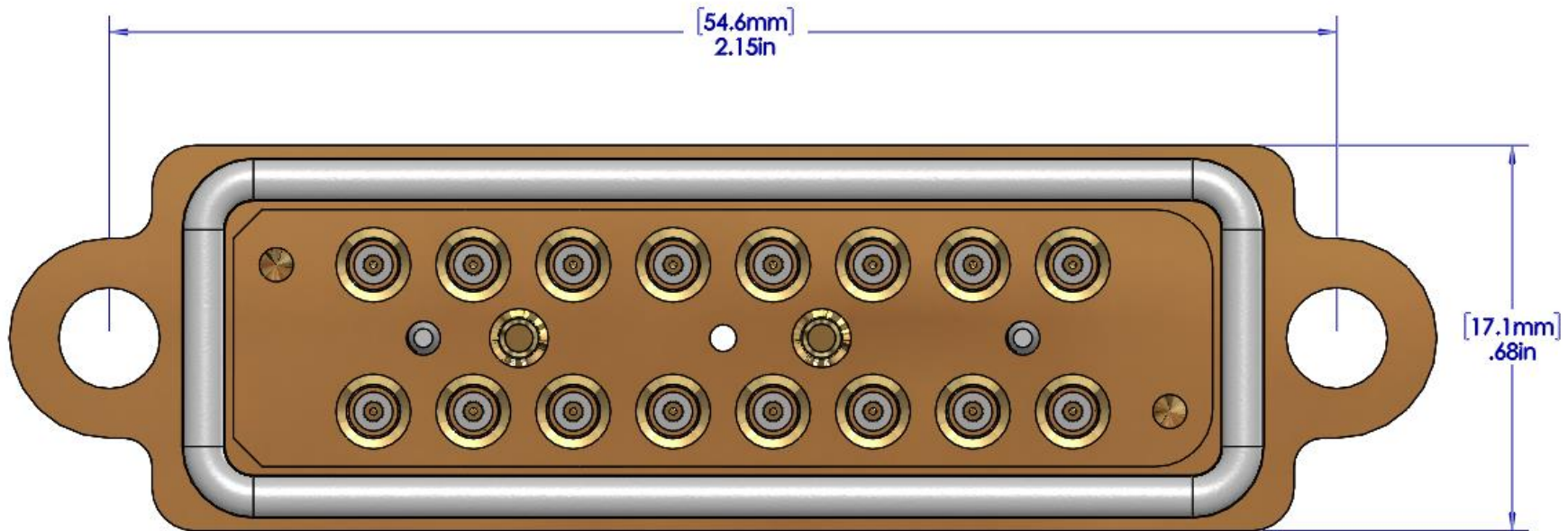
Option 4a: 8x2 - Ganged Panel Mount Connector



Option 4a: 8x2 - Ganged Panel Mount Connector

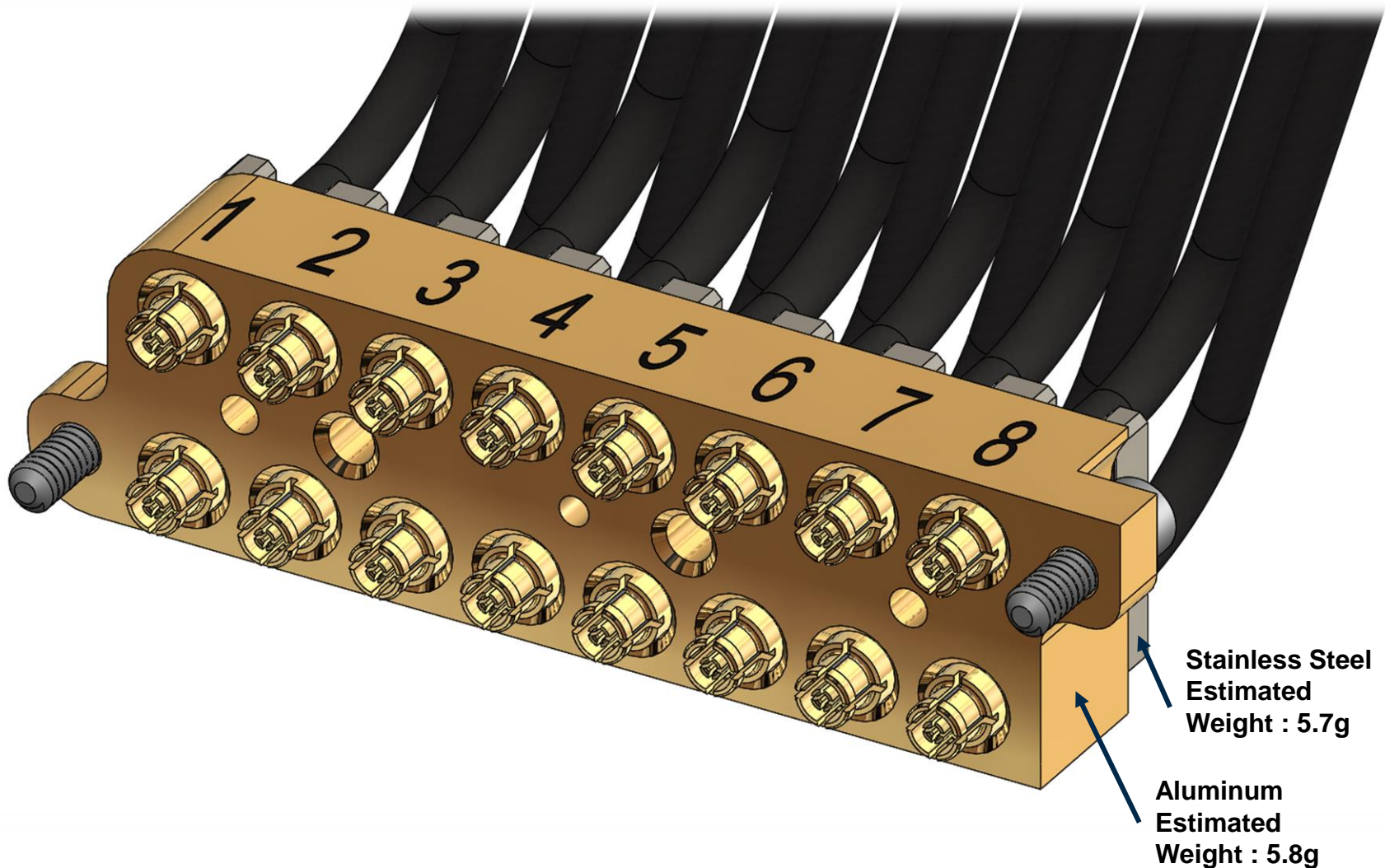


Option 4a: 8x2 - Ganged Panel Mount Connector

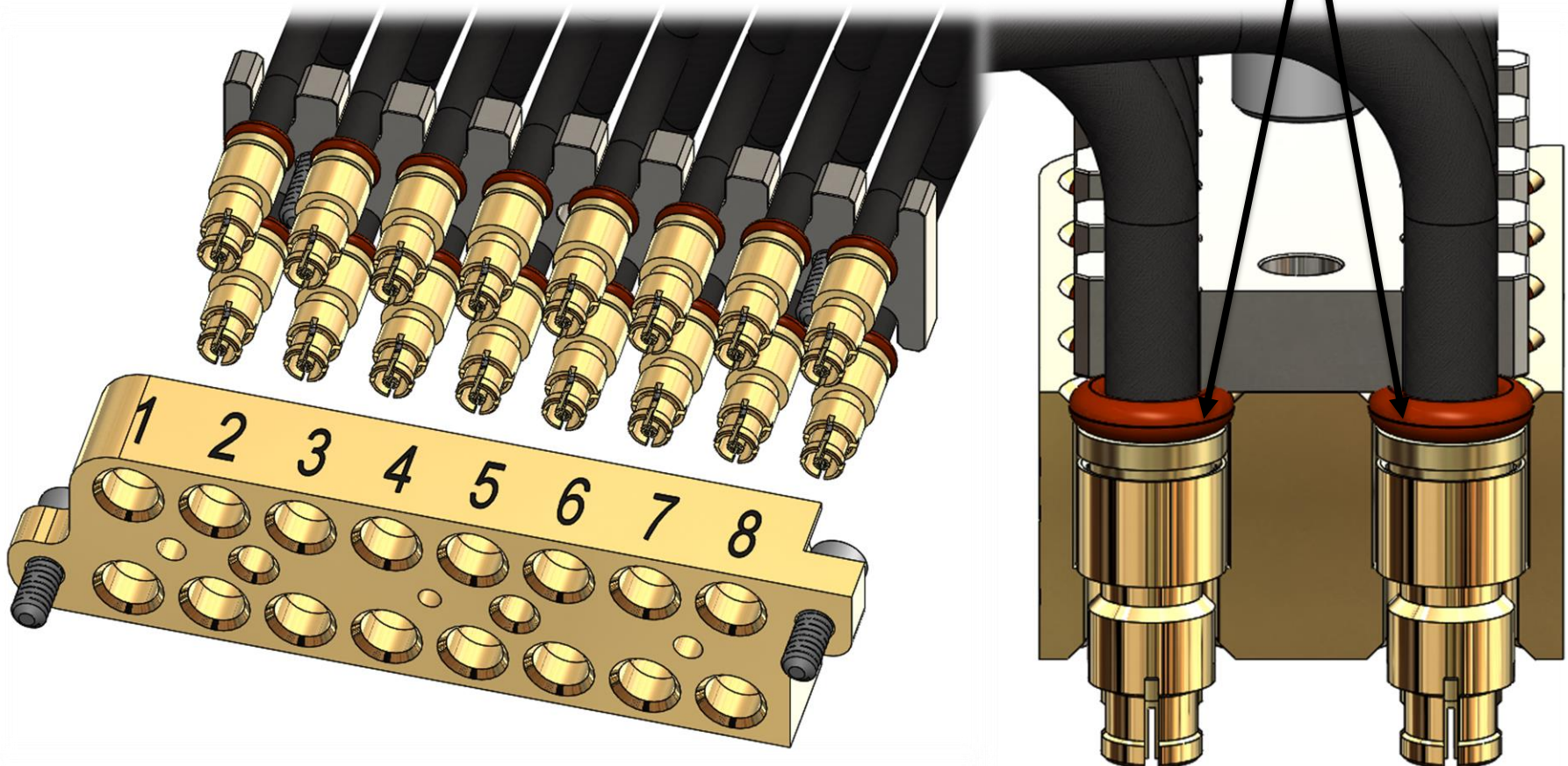


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Option 4a: 8x2 - Ganged Cable Connector

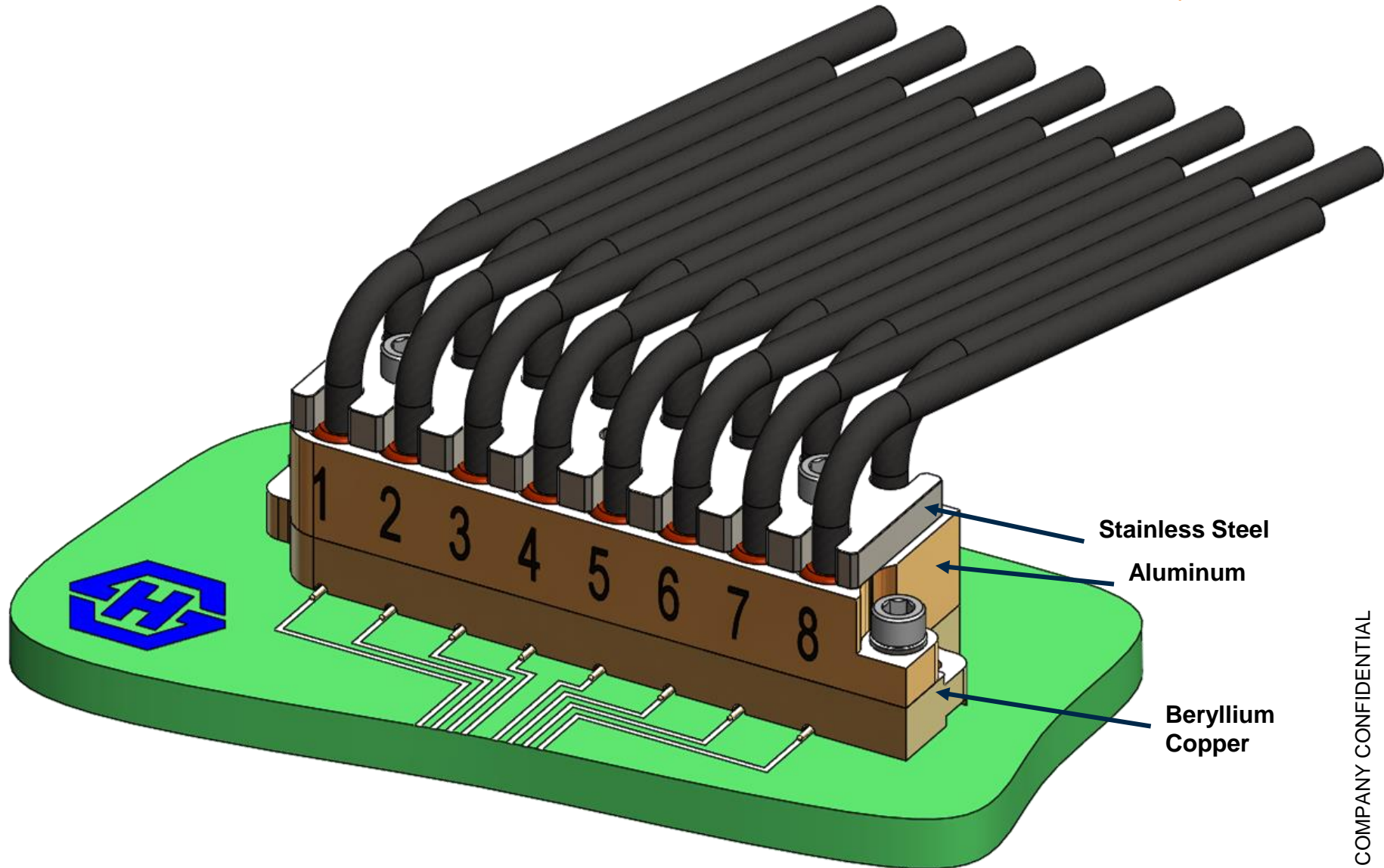


Option 4a: 8x2 - Ganged Cable Connector

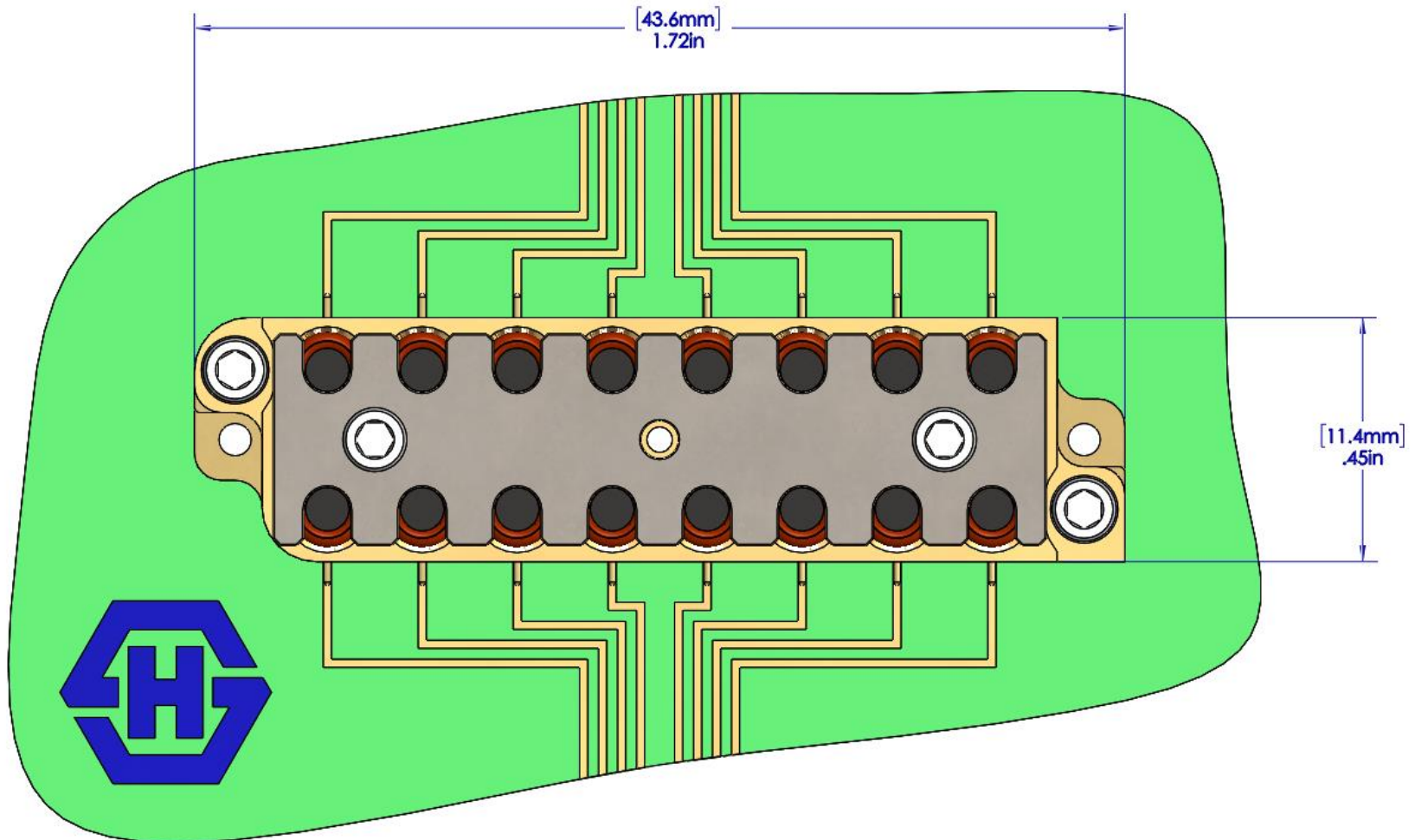


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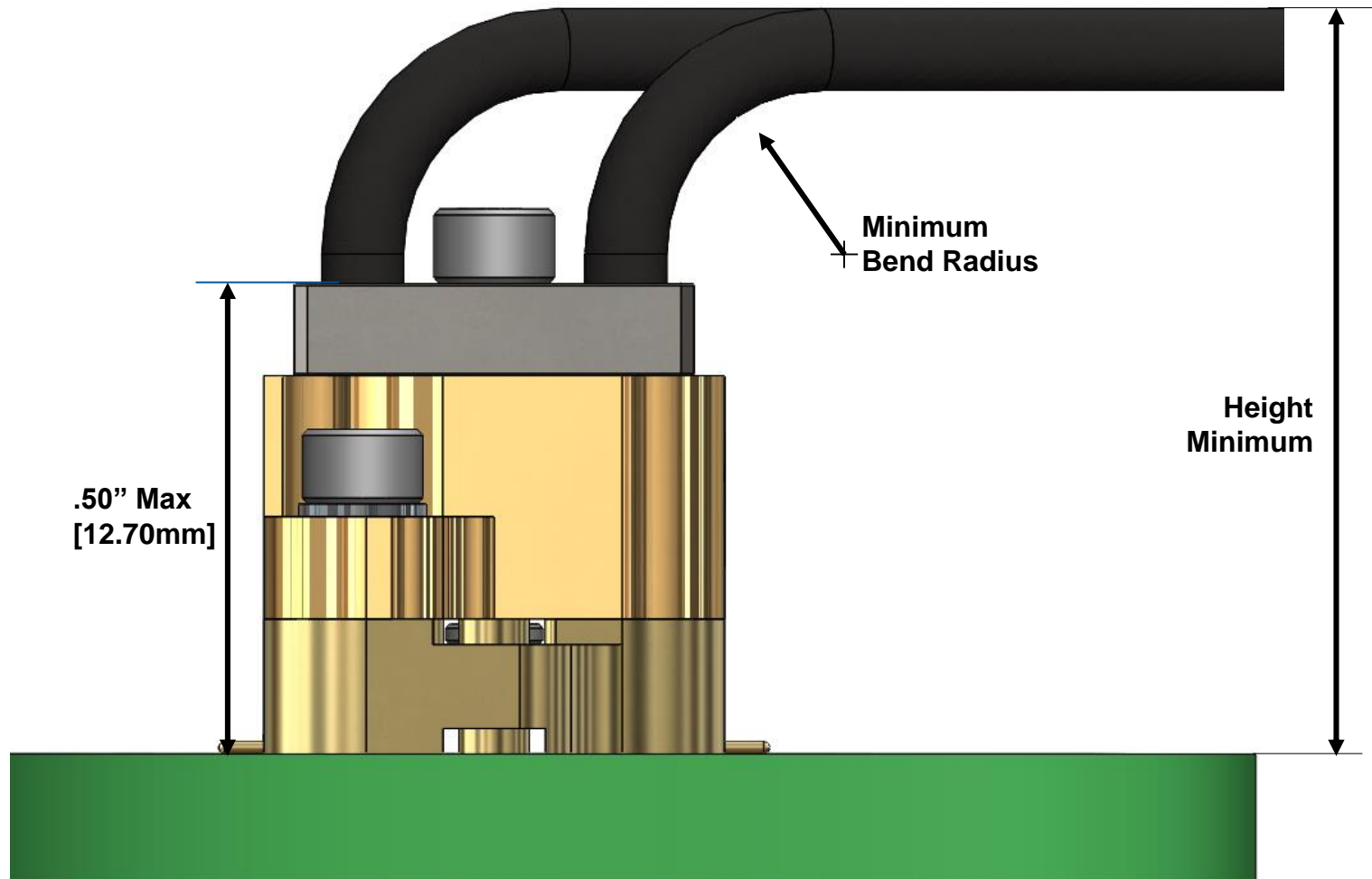
Option 4a: 8x2 – PCB & Ganged Cable Connector



Option 4a: 8x2 – PCB & Ganged Cable Connector

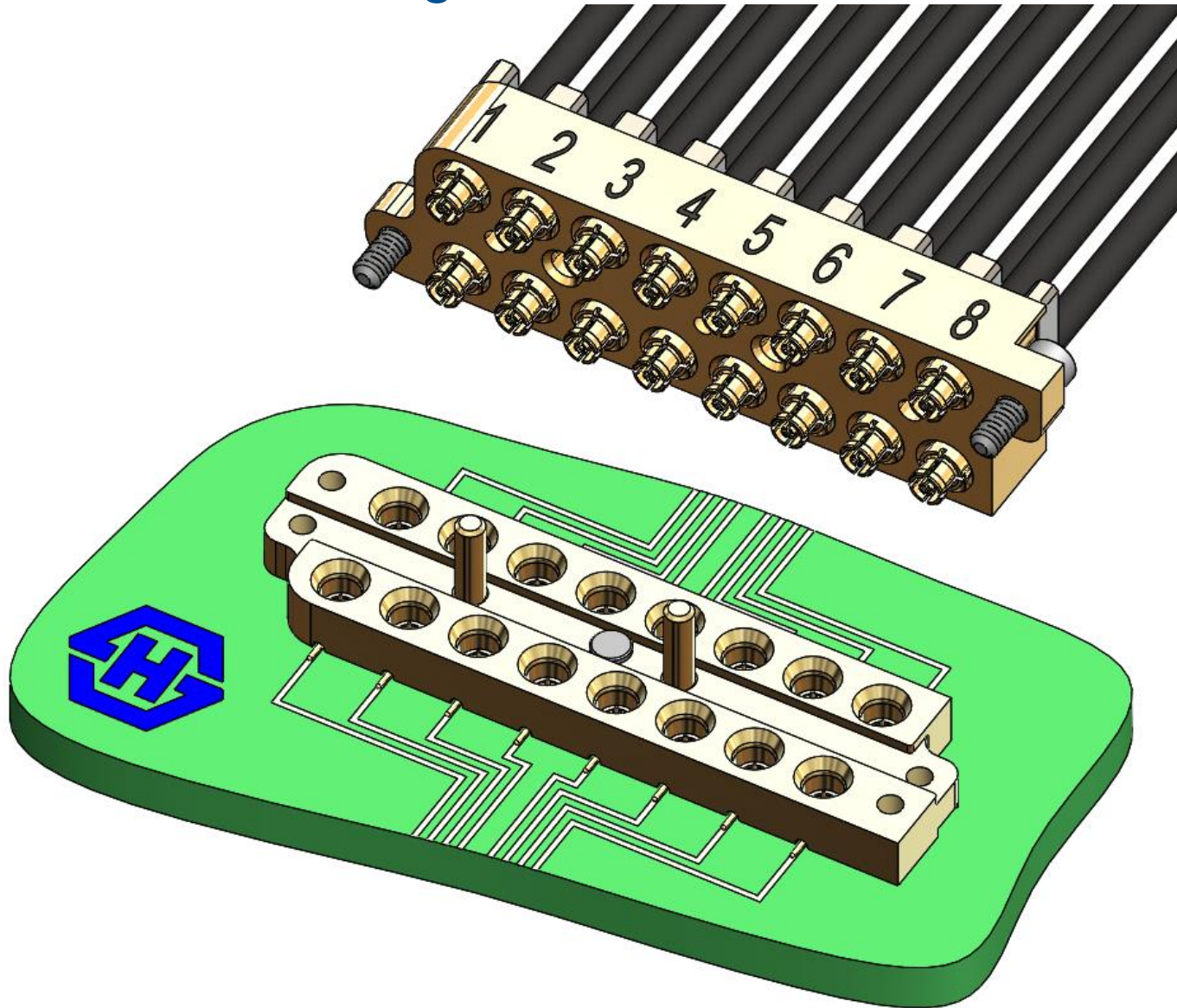


Option 4a: 8x2 – PCB & Ganged Cable Connector

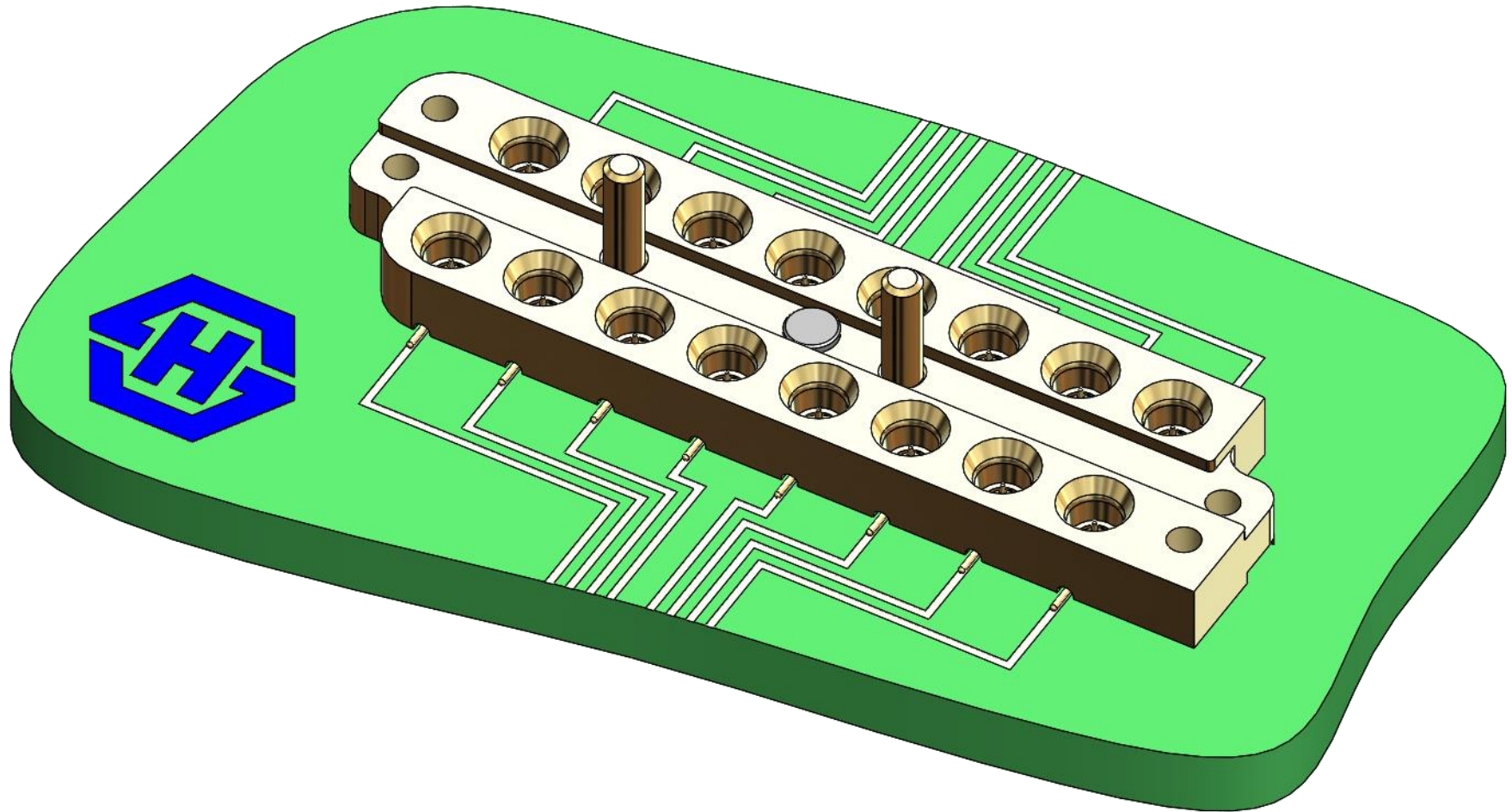


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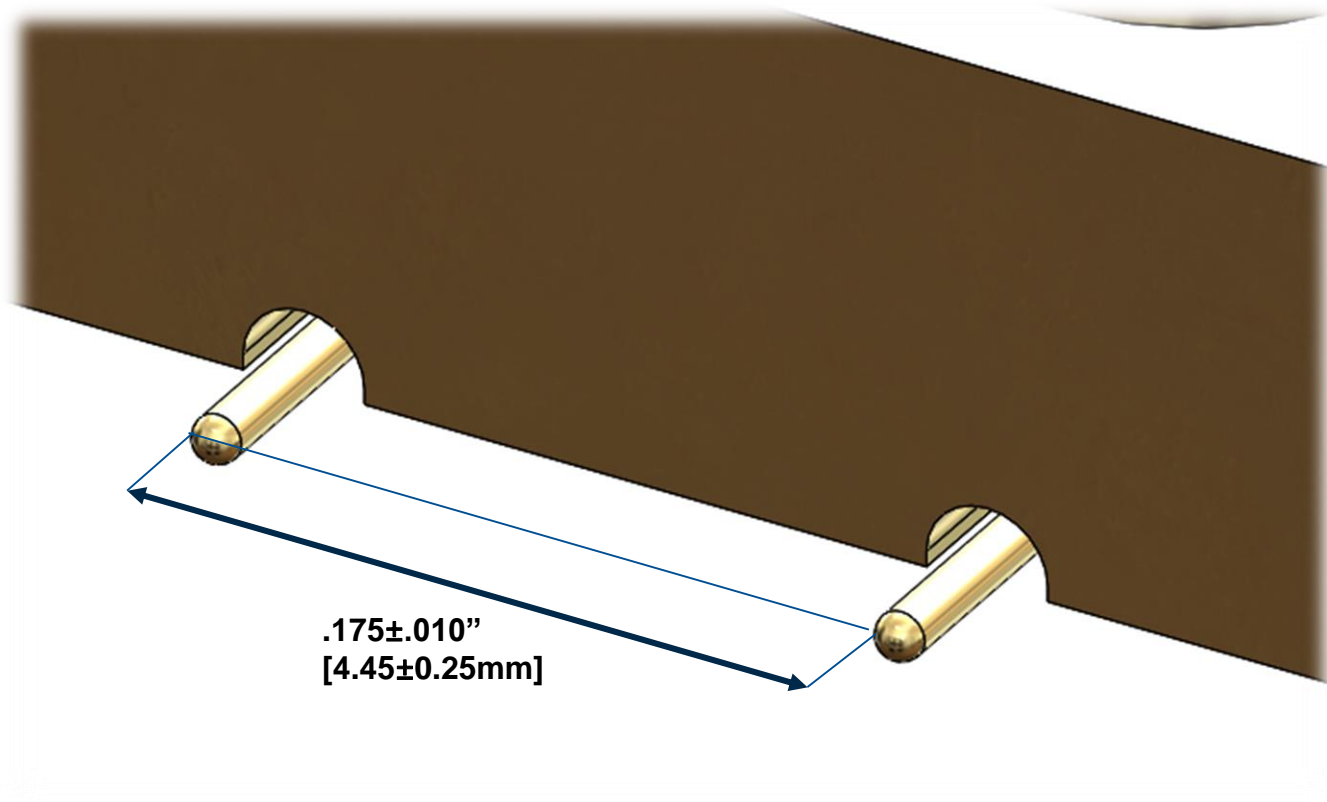
Option 4a: 8x2 – PCB & Ganged Cable Connector



Option 4a: 8x2 – PCB

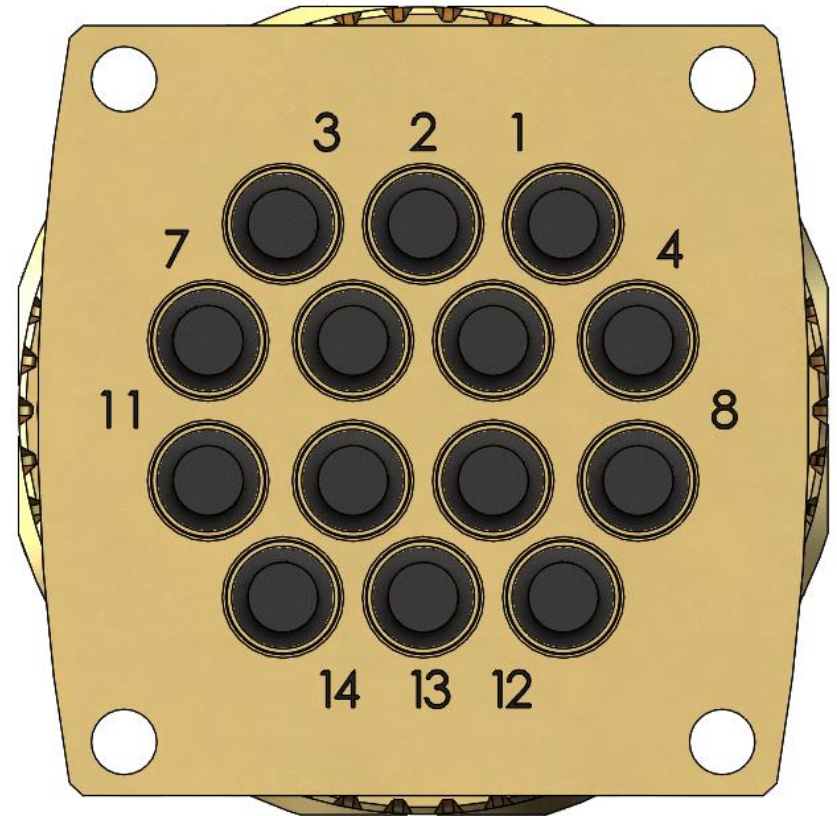
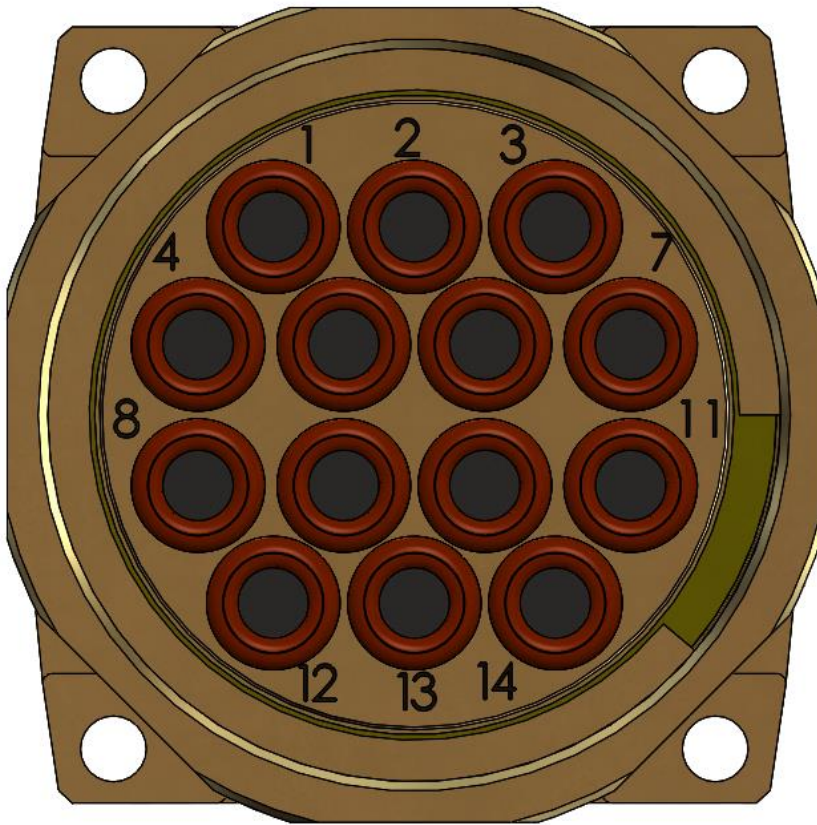


Option 4a: 8x2 – PCB



Option 4b:

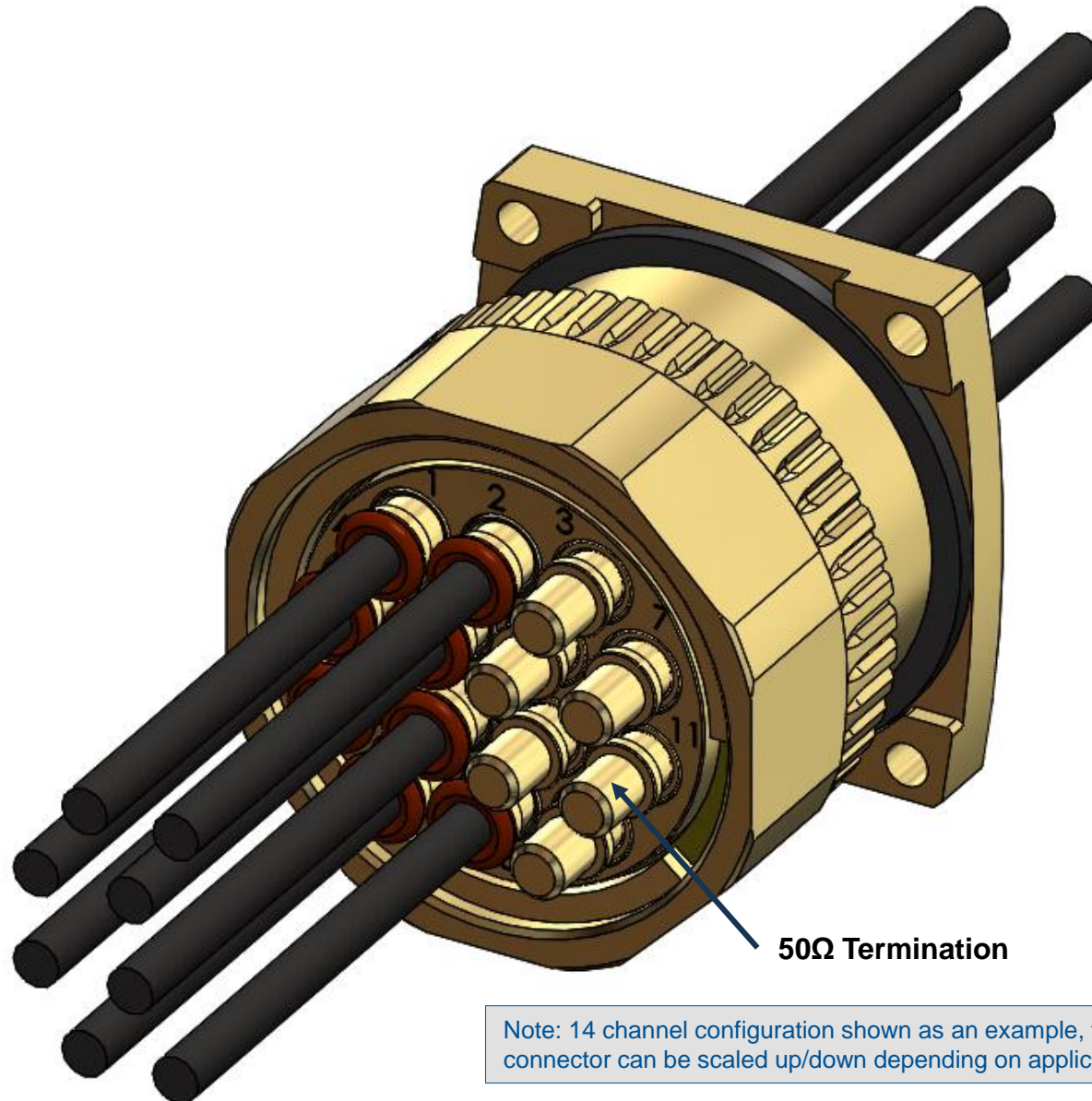
14 Channel – Circular Panel Mount Connector



Note: 14 channel configuration shown as an example, the panel mount connector can be scaled up/down depending on application requirements

Option 4b:

14 Channel – Circular Panel Mount Connector

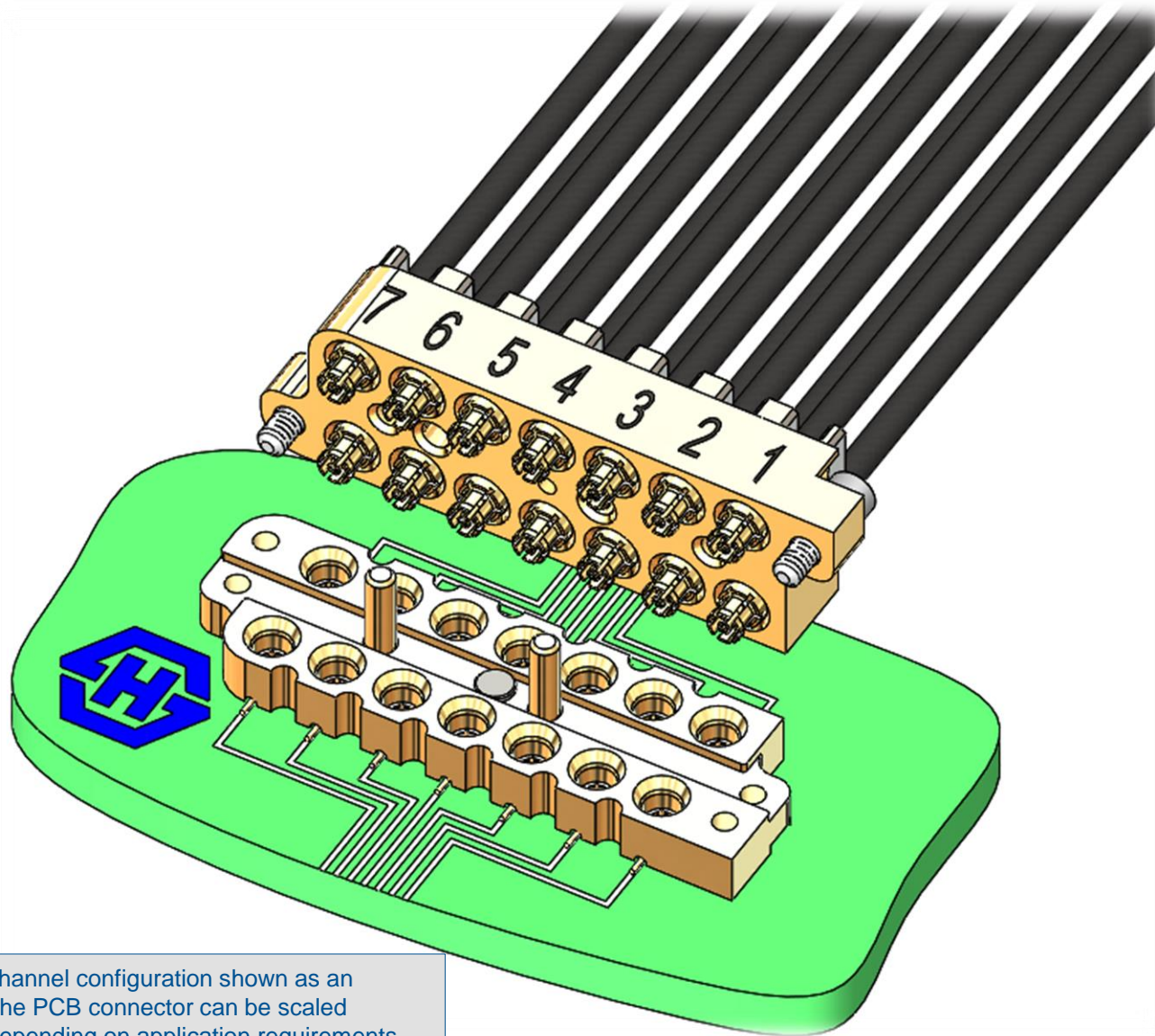


50Ω Termination

Note: 14 channel configuration shown as an example, the panel mount connector can be scaled up/down depending on application requirements

Option 4b:

14 Channel – PCB & Ganged Cable Connector



Note: 14 channel configuration shown as an example, the PCB connector can be scaled up/down depending on application requirements

Performance Specifications

Specifications	Microbend L (32085E)	Microbend (32041E)
Insertion Loss (max)		
2 GHz	1.18 dB/m	1.51 dB/m
8 GHz	2.39 dB/m	3.10 dB/m
40 GHz	5.47 dB/m	7.39 dB/m
Phase vs. Temperature		
40 GHz	62.34°/m	137.14°/m
31 GHz	48.31°/m	106.29°/m
8 GHz	28.05°/m	61.71°/m
6 GHz	9.35°/m	20.57°/m
3 GHz	4.68°/m	10.29°/m
Minimum Bend Radius		
Inches [MM]	0.20 [5.08]	0.06 [1.52]
Height of connector above the module PCB surface		
Inches [MM]	0.80 [20.3] min	0.65 [16.5] min
Weight		
Lbs./Ft [Grams/Meter]	0.009 [13.4] max	0.008 [11.9] max

Notes:

1. Either cable can be modified to include a Halar jacket to offer radiation resistance up to 200 Mrad (standard configuration includes FEP jacket to guarantee 30 Mrad)
2. Other cable options also available upon request

Thank You



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