

In-Line Microcouplers: One- and Two-Stub

Product Facts

- Environmental sealing
- No connectors
- Very small size
- Light weight (1 stub: 10 g max.; 2 stubs: 15 g max.)
- In-line profile that makes wire bundle mounting possible
- 360° continuous low-impedance cable-shield terminations
- Reliable solder termination of all components
- Potted circuit elements for maximum durability and in-use reliability
- Ease of installation
- Altitude immersion resistance
- Optional eyelet configurations for bulkhead mounting
- Mean time between failures > 1,000,000 hours



Applications

The low-profile configuration of these couplers enables avionics system designers to plan for optimum coupler locations. Microcouplers are supplied with SPEC 55 data bus cables, including EMP-

hardened versions. They are also available assembled with other components into a complete data bus harness.

Specifications/Approvals


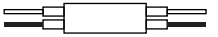
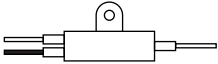
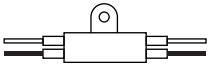
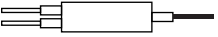
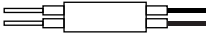
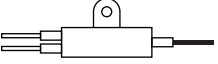
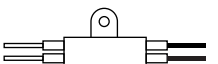
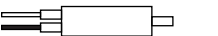

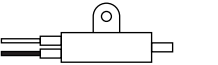
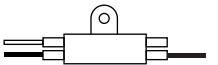


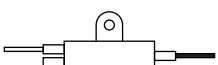
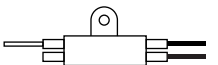
Series	Military	TE
D-500-04	MIL-STD-1553B	D-6020



Available in:

Americas	■
Europe	■
Asia Pacific	■

In-Line Microcouplers: One- and Two-Stub (Continued)

Product Selection

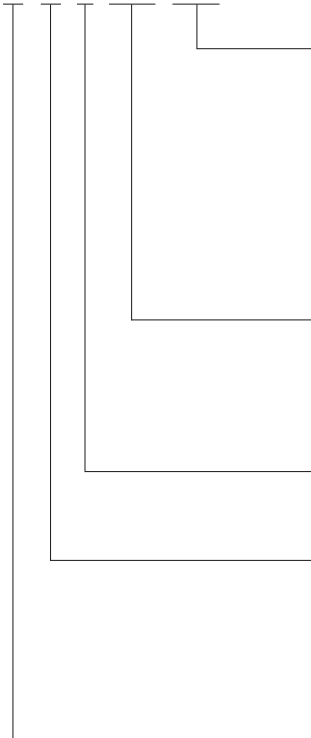
Single Stub		Double Stub	
D-500-0455-1-YYY-ZZZ		D-500-0455-2-YYY-ZZZ	
D-500-0465-1-YYY-ZZZ		D-500-0465-2-YYY-ZZZ	
D-500-0456-1-YYY-ZZZ		D-500-0456-2-YYY-ZZZ	
D-500-0466-1-YYY-ZZZ		D-500-0466-2-YYY-ZZZ	
D-500-0457-1-YYY-ZZZ		D-500-0457-2-YYY-ZZZ	
D-500-0467-1-YYY-ZZZ		D-500-0467-2-YYY-ZZZ	
D-500-0458-1-YYY-ZZZ		D-500-0458-2-YYY-ZZZ	
D-500-0468-1-YYY-ZZZ		D-500-0468-2-YYY-ZZZ	

Note:
 1. Bus cable 
 2. Stub cable 

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Microcoupler Part Numbering System

D-500-04 W W-X-YYY-ZZZ



Standard Cable Length

- 012 = 12 in (1 ft)
- 078 = 78 in (6.5 ft)
- 079 = 79 in (2 m)
- 120 = 120 in (10 ft)
- 236 = 236 in (6 m)
- 240 = 240 in (20 ft)

Cable Type

- 612 = 10612 (24 AWG single optimized shield)
- 613 = 10613 (24 AWG double optimized shield)
- 614 = 10614 (24 AWG EMP hardened)

Number of Stubs

- 1 or 2

Design

- 5 = Without internal terminator
- 6 = Same as 5 but with reverse bus
- 7 = With internal terminator
- 8 = Same as 7 but with reverse bus

Boot

- 5 = Without mounting eyelet
- 6 = With mounting eyelet