

Ultra Lightweight In-Line Microcouplers 1- Through 6-Stub

Product Facts

- Environmental sealing
- No connectors
- Very small size
- Ultra Light weight
(1 stub: 6.5 g max.; 2 stubs: 9.5 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
- Mean time between failures > 1,000,000 hours



Applications

Building on over 20 years of experience and continuous improvement in data bus, including pioneering in-line microcouplers, TE introduces a new family of ultra light-weight In-line micro-couplers, available in 1- through 6-stub configurations.

These couplers offer the same high performance and reliability as current microcouplers, but their weight is further reduced. They are available in configurations up to 6-stub, and to minimize weight; there is no option with a mounting eyelet.

Combined with TE 24 AWG or 26 AWG data bus cables, these ultra light couplers allow designers to significantly reduce weight.

They are also available assembled with other customer specified components into a complete factory-built and tested data bus harness.

Specifications/approvals

Series	Military	TE
D-500-L4xx	MIL-STD-1553B	D-6020 (same as current microcouplers)

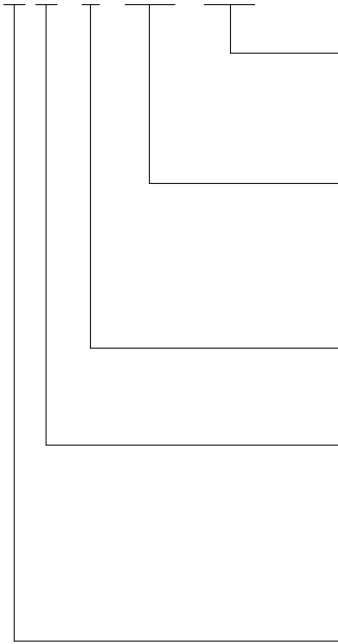
Available in:

- Americas ■
- Europe ■
- Asia Pacific ■

Ultra Lightweight In-Line Microcouplers 1- Through 6-Stub (Continued)

Lightweight In-Line Couplers Part Numbering System

D-500-L4 5 W -X -YYY -ZZZ



Cable Length

012 = 12 in 079 = 79 in 236 = 236 in
 078 = 78 in 120 = 120 in 240 = 240 in

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, 2, 3, 4, 5 or 6

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

Style

5 = Without eyelet

Ultra Lightweight In-Line Microcouplers 1- Through 6-Stub (Continued)

Product Selection

D-500-L455-X-YYY-ZZZ

End View Left Side		End View Right Side
	1 stub	
	2 stub	
	3 stub	
	4 stub	
	5 stub	
	6 stub	

D-500-L456-X-YYY-ZZZ

End View Left Side		End View Right Side
	1 stub	
	2 stub	
	3 stub	
	4 stub	
	5 stub	
	6 stub	

D-500-L457-X-YYY-ZZZ

End View Left Side		End View Right Side
	1 stub	
	2 stub	
	3 stub	
	4 stub	
	5 stub	
	6 stub	

D-500-L458-X-YYY-ZZZ

End View Left Side		End View Right Side
	1 stub	
	2 stub	
	3 stub	
	4 stub	
	5 stub	
	6 stub	

Legend
 Bus cable ○
 Stub cable ●