SBOM Validation Report

Summary

Total discrepancies found: 39

- Wire Length Mismatch: 28

- Twist Length Mismatch: 8

- Quantity Discrepancy: 3

Component ID	Component Name	Current Value	Correct Value	Unit	Issue Type
53(1)	Wire 53(1)	3.2	1215	mm	Wire Length Mismatch
53(1)	Wire 53(1)	3.2	1215	mm	Wire Length Mismatch
44(1)	Wire 44(1)	3.2	1215	mm	Wire Length Mismatch
44(1)	Wire 44(1)	3.2	1215	mm	Wire Length Mismatch
55(1)	Wire 55(1)	3.5	640	mm	Wire Length Mismatch
55(1)	Wire 55(1)	15.0	640	mm	Wire Length Mismatch
43(1)	Wire 43(1)	15.0	150	mm	Wire Length Mismatch
43(1)	Wire 43(1)	3.5	150	mm	Wire Length Mismatch
54(1)	Wire 54(1)	3.5	670	mm	Wire Length Mismatch
54(1)	Wire 54(1)	3.5	670	mm	Wire Length Mismatch
52(2)	Wire 52(2)	3.2	687	mm	Wire Length Mismatch
52(2)	Wire 52(2)	3.2	687	mm	Wire Length Mismatch
20(1)	Wire 20(1)	3.2	1250	mm	Wire Length Mismatch
20(1)	Wire 20(1)	15.0	1250	mm	Wire Length Mismatch
45(2)	Wire 45(2)	3.2	687	mm	Wire Length Mismatch
45(2)	Wire 45(2)	3.2	687	mm	Wire Length Mismatch
47(1)	Wire 47(1)	3.2	1215	mm	Wire Length Mismatch
47(1)	Wire 47(1)	3.2	1215	mm	Wire Length Mismatch
49(1)	Wire 49(1)	3.2	1215	mm	Wire Length Mismatch
49(1)	Wire 49(1)	3.2	1215	mm	Wire Length Mismatch
41(1)	Wire 41(1)	3.3	560	mm	Wire Length Mismatch
41(1)	Wire 41(1)	3.2	560	mm	Wire Length Mismatch
51(1)	Wire 51(1)	3.3	560	mm	Wire Length Mismatch

51(1)	Wire 51(1)	3.2	560	mm	Wire Length Mismatch
46(1)	Wire 46(1)	3.2	1215	mm	Wire Length Mismatch
46(1)	Wire 46(1)	3.2	1215	mm	Wire Length Mismatch
42(1)	Wire 42(1)	3.2	670	mm	Wire Length Mismatch
42(1)	Wire 42(1)	3.2	670	mm	Wire Length Mismatch
41(1)	Twisted Wire 41(1)	3.3	50.0	mm	Twist Length Mism...
41(1)	Twisted Wire 41(1)	3.2	50.0	mm	Twist Length Mism...
51(1)	Twisted Wire 51(1)	3.3	50.0	mm	Twist Length Mism...
51(1)	Twisted Wire 51(1)	3.2	50.0	mm	Twist Length Mism...
45(2)	Twisted Wire 45(2)	3.2	50.0	mm	Twist Length Mism...
45(2)	Twisted Wire 45(2)	3.2	50.0	mm	Twist Length Mism...
52(2)	Twisted Wire 52(2)	3.2	50.0	mm	Twist Length Mism...
52(2)	Twisted Wire 52(2)	3.2	50.0	mm	Twist Length Mism...
P00000362					Quantity Discrepancy
P00165882					Quantity Discrepancy
P00000356					Quantity Discrepancy

Detailed Findings by Source

Source: Comparison Sheet

- Quantity Discrepancy: P00000362 (vs)
- Quantity Discrepancy: P00165882 (vs)
- Quantity Discrepancy: P00000356 (vs)

Source: Wires Lengths

- Wire Length Mismatch: 53(1) (3.2 vs 1215)
- Wire Length Mismatch: 53(1) (3.2 vs 1215)
- Wire Length Mismatch: 44(1) (3.2 vs 1215)
- Wire Length Mismatch: 44(1) (3.2 vs 1215)
- Wire Length Mismatch: 55(1) (3.5 vs 640)
- Wire Length Mismatch: 55(1) (15.0 vs 640)
- Wire Length Mismatch: 43(1) (15.0 vs 150)
- Wire Length Mismatch: 43(1) (3.5 vs 150)
- Wire Length Mismatch: 54(1) (3.5 vs 670)
- Wire Length Mismatch: 54(1) (3.5 vs 670)

... and 18 more

Source: Twisted Wires

- Twist Length Mismatch: 41(1) (3.3 vs 50.0)
- Twist Length Mismatch: 41(1) (3.2 vs 50.0)
- Twist Length Mismatch: 51(1) (3.3 vs 50.0)
- Twist Length Mismatch: 51(1) (3.2 vs 50.0)
- Twist Length Mismatch: 45(2) (3.2 vs 50.0)
- Twist Length Mismatch: 45(2) (3.2 vs 50.0)
- Twist Length Mismatch: 52(2) (3.2 vs 50.0)
- Twist Length Mismatch: 52(2) (3.2 vs 50.0)

Recommended Actions

1. Update component quantities to match corrected values
2. Verify wire lengths against specified measurements
3. Check twisted wire specifications (pitch and length)
4. Validate all splice components and part numbers
5. Review connector pairings for completeness
6. Confirm all material parts have correct quantities
7. Address high-priority discrepancies first
8. Document all changes made during correction