

Business Case Worksheet



The AVCOM **Business Case Worksheet** provides an estimated redesign cost by CCA, which can be summed for a specific box or system. These redesign cost estimates can be used to evaluate Redesign Proposals from Suppliers to (1) determine if the redesign cost proposed is reasonable and (2) estimate the Return on Investment (ROI) period if the Redesign is implemented.

Cost-Effective Redesign is typically driven by one of three factors: (1) excessive obsolescence, (2) poor reliability, or (3) technology insertion resulting in excessive maintenance and/or repair cost. The **Business Case Worksheet** provides an estimated obsolescence mitigation cost for a specific period of time. This can be compared to the ongoing maintenance and repair cost to determine when it may be more cost-effective to redesign.

This quick redesign cost estimate can be used as a comparison value (ROI) for systems, boxes or boards where high failure rates are driving up maintenance and sustainment costs. When the difference in maintenance and repair cost before and after the redesign is factored in with the obsolescence mitigation cost, the true ROI can then be determined.

The **Business Case Worksheet** enables management to proactively manage obsolescence by predicting anticipated future sustainment cost for specific systems. They then can implement potentially more cost-effective resolutions than are indicated in the analysis generated at the problematic part-type level.

Part Level Obsolescence Mitigation Workbook							NHA	688R08001	688R091001	688R09A001	688R09C001	688R086001	158R48001
OEM PN	NSN	Description	Availability	IAQ	ADO	OPA	L	S	E	D			
20	M3851000801BCK	5962-01-076-9001	Buffer/Driver	5-7 years		14	Alternate						
21	M3851001205BEX	5962-01-248-8642	Oneshot	3-4 years		10	Alternate						
22	M3851007106BEX	5962-01-266-2899	Flip Flop	5-7 years		1	Alternate						
23	M3851010404BEX	5962-00-584-3996	Line Receiver	3-4 years		20	LOT Buy, Afmkt						
24	M3851000001BCK	5962-01-263-8090	NAND	5-7 years		15	Alternate						
25	M3851000003BCK	5962-01-264-0084	Inverter	5-7 years		114	Alternate						
26	M3851000005BCK	5962-01-262-7131	NAND	5-7 years		12	Alternate	\$7,000	\$7,000				\$7,000
27	M3851000102BCK	5962-01-059-1539	Flip Flop	5-7 years		57	Alternate	\$7,000	\$7,000				
28	M3851003030BCK	5962-01-238-6521	NOR	5-7 years		5	Alternate						
29	M3851009501BCK	5962-01-171-2152	OR	5-7 years		134	Alternate						\$7,000
30	M3851001202BEX	5962-01-287-8532	Adder	5-7 years		10	Alternate	\$7,000	\$7,000				
31	M3851001504BEX	5962-01-275-6254	Counter	5-7 years		90	Alternate						
32	M3851002403BRX	5962-01-264-0083	Buffer/Driver	5-7 years		18	Alternate	\$7,000	\$7,000	\$7,000			\$7,000
33	M3851002501BRX	5962-01-248-8632	Flip Flop	5-7 years		271	Alternate	\$7,000	\$7,000	\$7,000			
34	M3851002503BRX	5962-01-262-9453	Flip Flop	5-7 years		18	Alternate	\$7,000	\$7,000	\$7,000			
35	M3851002504BRX	5962-01-267-4869	Flip Flop	5-7 years		4	Alternate	\$7,000	\$7,000	\$7,000			
36	M3851006101BEX	5962-01-212-1452	Flip Flop	5-7 years		4	LOT Buy, Afmkt			\$80,347			