


## Counterfeit Parts History Card

Date Of Occurrence	Contact Name	Contact Number	Contact E-Mail	Division
11/04/2010	Chris Durre	[REDACTED]	[REDACTED]@L-3com.com	Display Systems
Component Type	Manufacturer	Manuf. Part Number	L-3 Part Number	Country of Origin
Microcircuit (VRAM)	Samsung	KM4216C258G	U100582-000	Korea
Date Code	Lot Number	Defect Quantity	Defect Type	Impact Category
813	RMA100CB	10,055	Marking	Major
Independent Distl.	Supplier	Type of Packaging	GIDEP Notification	ERAI Report Date
Global IC	Hongdark	Reel	GG5-A-11-01	12/17/10
Incident Summary:		Pictures:		Resolution Summary:
<p>L-3DS received a total of 10,055 pieces of KM4216C258G-50 from an independent distributor (KM4216C258G-50 is obsolete and not available from an authorized distributor). All of the components were date code 813. A sample of 2 components was delivered to an independent L-3 approved test facility with no obvious signs of suspect/counterfeit characteristics observed in March of 2009.</p> <p>During production testing in November of 2010, a high failure rate at ambient temperature prompted L-3DS to conduct further testing. Another sample of the 813 date code parts were sent to a different L-3 approved test facility. Multiple abnormalities during testing were reported:</p> <ul style="list-style-type: none"> <li>• Rough surface in the pin one location and top surface mold cavity location.</li> <li>• Discoloration/ Inconsistent color on the side of the VRAM.</li> <li>• Material was removed with acetone.</li> </ul> <p>The samples were confirmed to have the correct internal circuitry:</p> <ul style="list-style-type: none"> <li>• X-ray analysis matched a part from a confirmed date code.</li> <li>• Decapsulation confirmed that the die number, logo, and date match a confirmed date code.</li> </ul>				<p>All parts with the 813 date code are considered to be suspect for counterfeit tampering, and have been quarantined within the MRB area.</p> <p>L-3 has found a replacement part that is not obsolete.</p>

Type "Unknown" in field if information is unavailable. Type "N/A" if information is non-applicable  
**L-3 Intranet / Material Management / Teams / Counterfeit Parts / CPH Cards**