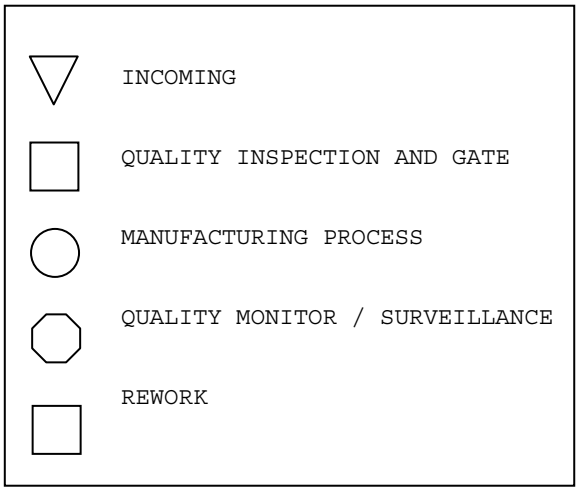
TEST AND EOL FLOWCHART
H-GRADE FLOW
UPDATED 8/28/08



Vendor:	Linear Technology Corporation
Product:	CMOS or Bipolar Product
Package:	All Package Types
Location of Wafer Fab:	Linear Technology Corp., Milpitas, CA. or Camas, WA
Assembly:	Linear Technology Corporation, Penang, or Malaysia or any approved assembly subcontractor
Final Test:	Linear Technology Corp., Milpitas, CA., or Singapore
Q.C. Test:	Linear Technology Corp., Milpitas, CA., or Singapore
Source Accept Test:	Linear Technology Corp., Milpitas, CA., or Singapore
Quality Contact:	Naib Girn, LTC Milpitas, CA (408) 432-1900 Ext. 2519

FLOW CHART	PROCESS STEP	DESCRIPTION	INSPECTION/TEST CRITERIA	METHOD & EQUIPMENT	SAMPLING PLAN	SPC TECHNIQUE
	LTC INCOMING INSPECTION	CHECK QUALITY OF INCOMING ASSEMBLED MATERIAL	PACKAGE DIMENSION	OPTICAL COMPARATOR & CALIPERS	S/S = 2, ACC = 0	% LAR TREND CHART
			EXTERNAL VISUAL	3X TO 30X MICROSCOPE	S/S 45, ACC = 0	
			MARK PERMANENCY (IF INK MARK)	MIL-STD-883 METHOD 2015	S/S = 4, ACC = 0	
			SOLDERABILITY	MIL-STD-883 METHOD 2003	S/S = 3, ACC = 0	
			DIE ATTACH QUALITY	DIE SHEAR	S/S = 11. ACC = 0	
			LEAD FATIGUE TEST	LEAD FATIGUE TESTER	S/S = 10, ACC = 0	
	CLASS TEST	ELECTRICAL TEST	TEST TO GUARD BANDED DATASHEET TEST LIMITS	INTEGRATED CIRCUIT TEST SYSTEM	100%	MINIMUM YIELD CONTROL
	QA ELECTRICAL TEST @ +25°C	ELECTRICAL QUALITY	TEST TO GUARD BANDED DATASHEET TEST LIMITS	INTEGRATED CIRCUIT TEST SYSTEM	S/S = 315, ACC = 0	PPM CHART
	QA ELECTRICAL TEST @ +150°C OR AS SPECIFIED IN THE DATA SHEET	ELECTRICAL QUALITY	TEST TO GUARD BANDED DATASHEET TEST LIMITS	INTEGRATED CIRCUIT TEST SYSTEM	100%	PPM CHART
	QA ELECTRICAL TEST @ -40°C OR AS SPECIFIED IN THE DATA SHEET	ELECTRICAL QUALITY	TEST TO GUARD BANDED DATASHEET TEST LIMITS	INTEGRATED CIRCUIT TEST SYSTEM	S/S = 1000 ACC = 0	PPM CHART
	EXTERNAL VISUAL INSPECTION	CHECK FOR PACKAGE QUALITY	VISUAL: BENT LEADS, LEAD FORM CRITERIA, MOLD VOIDS/CRACKS ETC	UNAIDED EYE	100%	YIELD CHART
	QA POST PACK INSPECTION	PACKAGE/PACK QUALITY INSPECTION	VERIFY CORRECT TOP MARK, CORRECT PACK METHOD, CORRECT LABELING, EXTERNAL VISUAL INSPECTION, BENT LEADS	3X TO 10X MICROSCOPE INSPECTION	S/S = 116, ACC = 0	% LAR AND PPM P.A. CHART
	QA SHIPBENCH INSPECTION	PLANT CLEARANCE INSPECTION	PAPERWORK CHECK, VERIFY CORRECT PART NUMBER AND QUANTITY	UNAIDED EYE INSPECTION	EVERY SHIPMENT	
	SHIP TO CUSTOMER					