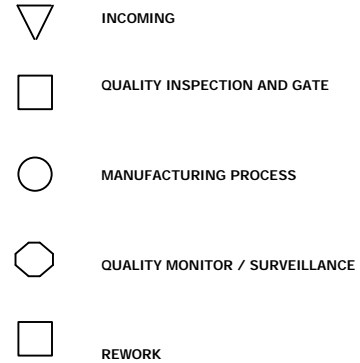


**ATTACHMENT 3.
TEST AND EOL FLOWCHART
EGRADE FLOW**

Vendor: Linear Technology Corporation
 Product: Bipolar or CMOS Devices
 Package: All Package Types
 Location of Wafer Fab: Linear Technology Corp., Milpitas, CA./ Camas, WA.
 Assembly: LTC Penang/Carsem Malaysia, ChipPAC China or Any Assembly Location
 Final Test: Linear Technology Corp., Milpitas, CA., Singapore
 Q.C. Test: Linear Technology Corp., Milpitas, CA., Singapore
 Source Accept Test: Linear Technology Corp., Milpitas, CA., Singapore
 Quality Contact: Dwight Somerset, LTC, Milpitas, CA.
 (408) 432-1900 Ext. 2427



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 EXTERNAL VISUAL MARK PERMANENCY (IF INK MARK) SOLDERABILITY DIE ATTACH QUALITY LEAD FATIGUE TEST	OPTICAL COMPARATOR & CALIPERS 3X TO 30X MICROSCOPE MIL-STD-883 METHOD 2015 MIL-STD-883 METHOD 2003 DIE SHEAR LEAD FATIGUE TESTER	S/S = 2, ACC = 0 S/S = 76, ACC = 0 S/S = 4, ACC = 0 S/S = 3, ACC = 0 S/S = 5, ACC = 0 S/S = 10, ACC = 0	% LAR TREND CHART
○	CLASS TEST	ELECTRICAL TEST	TEST TO GUARDBANDED DATASHEET TEST LIMITS	INTEGRATED CIRCUIT TEST SYSTEM	100%	MINIMUM YIELD CONTROL
◻	QA ELECTRICAL TEST @ +25°C	ELECTRICAL QUALITY	TEST TO GUARDBANDED DATASHEET TEST LIMITS	INTEGRATED CIRCUIT TEST SYSTEM	S/S = 315, ACC = 0	PPM CHART
◻	QA ELECTRICAL TEST @ +85°C AND @ -40°C OR AS SPECIFIED IN THE DATASHEET	ELECTRICAL QUALITY	TEST TO GUARDBANDED DATASHEET TEST LIMITS	LTX INTEGRATED CIRCUIT TEST SYSTEM	S/S = 125 MIN. 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 LABELLING, EXTERNAL VISUAL INSPECTION, BENT LEADS	3X TO 10 X MICROSCOPE INSPECTION	S/S = 125, ACC = 0	% LAR AND PPM P.A. CHART
◻	QA SHIPBENCH INSPECTION	PLANT CLEARANCE INSPECTION	PAPERWORK CHECK, VERIFY CORRECT PART NUMBER AND QUANTITY PAR COUNT	UN-AIDED EYE INSPECTION	LTPD = 2% S/S = 116, ACC = 0	
○	SHIP TO CUSTOMER					