ATTACHMENT 3.
TEST AND EOL FLOWCHART
INDUSTRIAL FLOW

▽ **INCOMING**

□ **QUALITY INSPECTION AND GATE**

○ **MANUFACTURING PROCESS**

⯃ **QUALITY MONITOR / SURVEILLANCE**

□ **REWORK**

Vendor:	**Linear Technology Corporation**
Product:	**Bipolar or CMOS Process**
Package:	**All Package Types**
Location of Wafer Fab:	**Linear Technology Corp., Milpitas, CA. / Camas, WA.**
Assembly:	**Penang / Carsem / Unisem Malaysia Chinteik Thailand**
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 Somersett, 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	OPTICAL COMPARATOR & CALIPERS	S/S = 2, ACC = 0	% LAR TREND CHART
			EXTERNAL VISUAL	3X TO 30X MICROSCOPE	S/S = 76, 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 = 5, 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 @ +85°C AND @ -40°C	ELECTRICAL QUALITY	TEST TO GUARD-BANDED DATASHEET TEST LIMITS	LTX INTEGRATED CIRCUIT TEST SYSTEM	S/S = 125 ACC = 1 PARAMETRIC ACC = 0 FUNCTIONAL	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					

Revision C.