



Services Matrix

March 2017

"X" Indicates Service or Equipment is Present

Main Facility
Leesburg, VA

ENE Facility
Salem, NH

Demuth Facility
Danville, VA

Riverview Facility
Danville, VA

GENERAL SERVICES OVERVIEW

QUICK TURN & NEW PRODUCT INTRODUCTION (NPI) MANUFACTURING	X	X	X	X
PROTOTYPE MANUFACTURING	X	X	X	X
PRODUCTION MANUFACTURING	X	X	X	X
ELECTRO-MECHANICAL, SUB-ASSEMBLY & SYSTEM ASSEMBLY	X	X	X	X
BOX BUILD	X	X	X	X
WAREHOUSING & WORLDWIDE ORDER FULFILLMENT	X	X	X	X
CUSTOMER SERVICE / DEPOT REPAIR / AFTERMARKET SERVICE	X	X	X	X
SUPPLY CHAIN MANAGEMENT	X	X	X	X
KANBAN STOCKING PROGRAMS	X	X	X	X
PROGRAM MANAGEMENT	X	X	X	X
TURN KEY, CONSIGNED & PARTIALLY CONSIGNED MATERIALS	X	X	X	X

QUALITY & REGULATORY

ISO 9001	X	X	X	X
ISO 13485	X	X	X	X
AS 9100	X	X		
ITAR	X	X	X	X
FDA REGISTERED FACILITY		X	X	

ELECTRONIC MANUFACTURING SERVICES (EMS)

SURFACE MOUNT TECHNOLOGY (SMT) LINES	X	X	X	
RIGID, RIGID-FLEX & FLEX PCB ASSEMBLIES	X	X	X	
0201 COMPONENT SIZE SMT AUTOMATED PLACEMENT	X	X		
01005 COMPONENT SIZE SMT AUTOMATED PLACEMENT		X		
MPM SOLDER PASTE SCREEN PRINTER	X	X	X	
3D SOLDER PASTE INSPECTION (SPI)		X		
BALL GRID ARRAY (BGA) AUTOMATED PLACEMENT	X	X	X	
MICRO BALL GRID ARRAY (μ BGA) AUTOMATED PLACEMENT	X	X		
BGA REWORK STATION	X	X	X	
SMT REFLOW OVEN SEVEN (7) ZONE	X		X	
SMT REFLOW OVEN TEN (10) ZONE	X	X		
WAVE SOLDER (RoHS & SnPb)	X	X	X	
SELECTIVE SOLDER WITH INERTED NITROGEN (RoHS & SnPb)	X	X	X	
PROGRAMMABLE ADHESIVE DISPENSER (LIQUID)	X			
THROUGH HOLE TECHNOLOGY (THT) - SLIDE LINE	X	X	X	
THROUGH HOLE TECHNOLOGY (THT) - AUTOMATED			X	
PCBA IONIC CONTAMINATION TESTING	X	X	X	
AQUEOUS WASH SYSTEM (WITH/WITHOUT ADDED SOLVENT CLEANING)	X	X	X	

Services Continued on Reverse



Services Matrix

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Sterling, VA

ENE Facility
Salem, NH

Demuth Facility
Danville, VA

Riverview Facility
Danville, VA

TESTING & INSPECTION SERVICES

AUTOMATIC OPTICAL INSPECTION (AOI)	X	X	X	
3D AUTOMATIC OPTICAL INSPECTION (AOI)	X			
COORDINATE MEASURING MACHINE (CMM)	X			X
IN-CIRCUIT TEST (ICT)	X	X	X	
BOUNDARY SCAN TESTING	X	X		
THERMAL IMAGING	X			
FUNCTIONAL TEST	X	X	X	
FLYING PROBE TEST		X		
HI POT TESTING	X	X		X
ENVIRONMENTAL STRESS SCREENING (ESS) & THERMAL STRESS	X			
ELEVATED TEMPERATURE BURN IN	X	X		
FINAL ACCEPTANCE TESTING (FAT)	X	X	X	
3D X-RAY	X			
2D X-RAY		X	X	

ENGINEERING SERVICES

DFM / DFT	X	X	X	X
ELECTRICAL DESIGN	X			
PCB LAYOUT	X			
MECHANICAL DESIGN	X			
NEW PRODUCT DESIGN / PRODUCT DESIGN REVIEW	X			

SUPPORT SERVICES

CABLE & WIRE HARNESS MANUFACTURING & TESTING				X
METAL MACHINING - ALUMINUM, PLASTICS, PHENOLICS				X
SHEET METAL FORMING				X
METAL WELDING - ALUMINUM, STAINLESS STEEL, IRON				X
CONFORMAL COATING AUTOMATED (URETHANE & ACRYLIC)			X	
CONFORMAL COATING MANUAL (POLYURETHANE)	X	X	X	X
CONFORMAL COATING MANUAL (SILICONE & ACRYLIC)	X	X		X
LABELING, BAR CODE & PACKAGING	X	X	X	X
HYDRAULIC PRESS FOR CONNECTORS (PRESS FIT)	X	X		
COMPONENT LOT TRACKING	X	X	X	X

For More Information Contact

EIT, LLC

www.eit.com • sales@eit.com • Phone: 703.478.0700

Leesburg, VA • Danville, VA • Salem, NH

Services Continued on Reverse