

 <b>Services Matrix</b> June 2018 "X" Indicates Service or Equipment is Present				
	Main Facility Leesburg, VA	ENE Facility Salern, 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 9001:2015	X	X	X	X
ISO 13485:2016	X	X	X	X
AS 9100 Rev. D	X	X		
ITAR	X	X	X	X
FDA REGISTRATION EXPERIENCE		X	X	

### ELECTRONIC MANUFACTURING SERVICES (EMS)

SURFACE MOUNT TECHNOLOGY (SMT) LINES	X	X	X	
RIGID, RIGID-FLEX & FLEX PCB ASSEMBLIES	X	X	X	
02010 COMPONENT SIZE SMT AUTOMATED PLACEMENT	X	X	X	
01005 COMPONENT SIZE SMT AUTOMATED PLACEMENT	X	X		
MPM SOLDER PASTE SCREEN PRINTER	X	X	X	
3D SOLDER PASTE INSPECTION (SPI)	X	X		
BALL GRID ARRAY (BGA) AUTOMATED PLACEMENT	X	X	X	
MICRO BALL GRID ARRAY ( $\mu$ BGA) AUTOMATED PLACEMENT	X	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**



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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	
BOUNDARY SCAN TESTING	X	X		
THERMAL IMAGING	X			
FUNCTIONAL TEST	X	X	X	
FLYING PROBE TEST		X	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

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Leesburg, VA • Danville, VA • Salem, NH

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