

DOD Trusted Foundry Program

Trusted Suppliers' Capabilities Matrix

Outreach Handout
February 2025

DMEA – DOD Program Management & Accreditation

TrustedIC@dmea.osd.mil

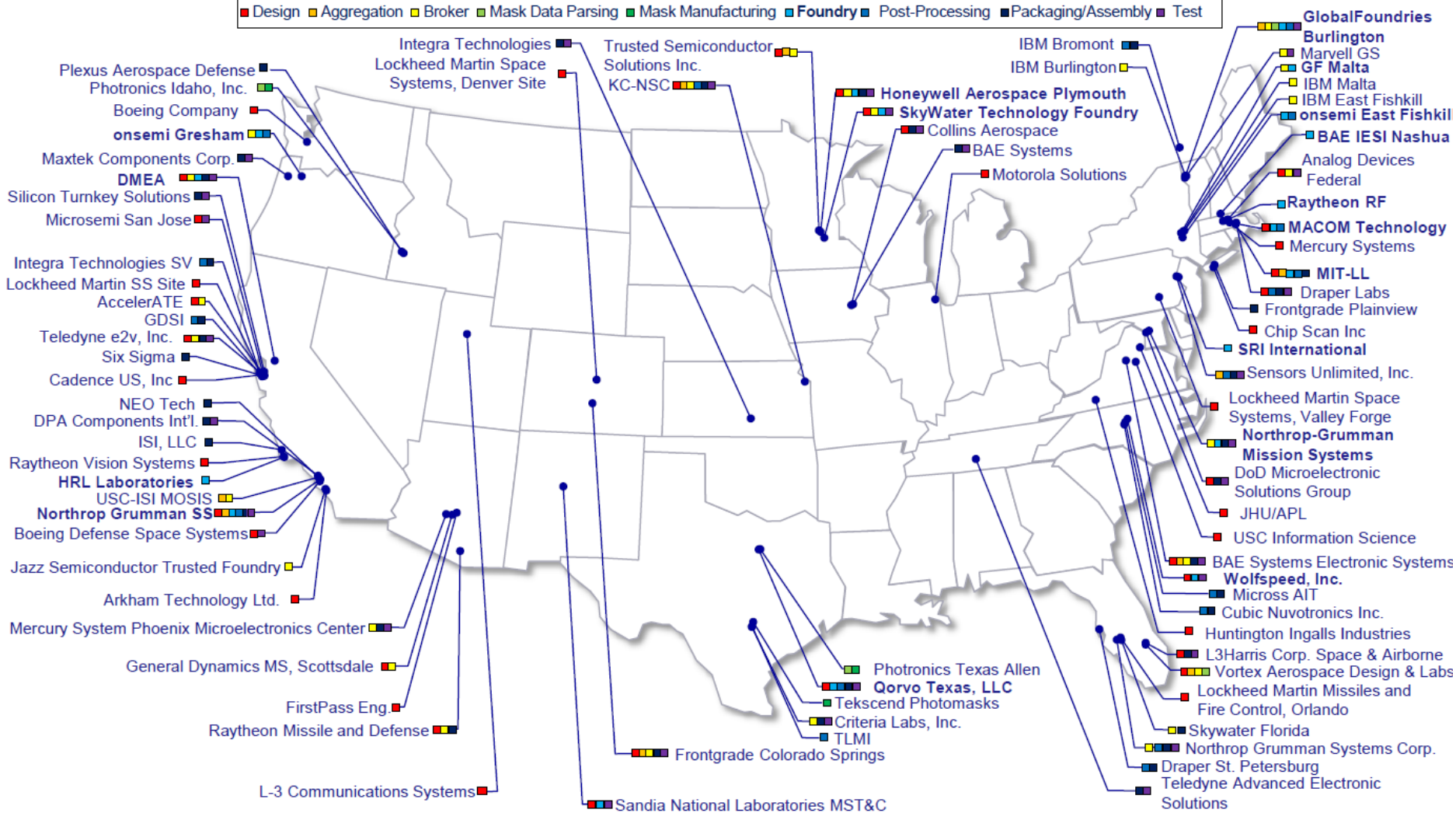
DBS (Outreach)

(804) 462-0564

cjortiz@definedbusiness.com

82 Trusted Suppliers

■ Design
 ■ Aggregation
 ■ Broker
 ■ Mask Data Parsing
 ■ Mask Manufacturing
 ■ Foundry
 ■ Post-Processing
 ■ Packaging/Assembly
 ■ Test



As of 03 Feb 2025

Trusted Microelectronics Foundries Capabilities

TRUSTED FOUNDRY	CMOS												NVRAM CMOS					MIXED SIGNAL CMOS									
	1.2 um	1.0um	0.8 um	0.65 um	0.5 um	0.35 um	0.25 um	180 nm	130 nm	110 nm	90 nm	65 nm	0.8 um	0.65 um	0.5 um	0.35 um	180 nm	110 nm	0.8 um	0.7 um	0.5 um	0.35 um	0.25 um	180 nm	150 nm	130 nm	
BAE Systems IESI, Nashua																											
Global Foundries, Burlington																											
Global Foundries Malta																											
Honeywell Aerospace Plymouth, MN																											
HRL Laboratories, LLC																											
MACOM Technology Solutions, Inc.																											
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Northrop Grumman Space Systems																											
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onsemi - EFK																											
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Qorvo Texas, LLC																											
Raytheon RF Components																											
Sandia National Laboratories																											
SkyWater Technology Foundry, Inc.																											
SRI International																											
Wolfspeed, Inc.																											
Broker - Captive Foundry Process																											
Jazz Semiconductor Trusted Foundry (JSTF) ²																											

¹ Back End Metal Is Aluminum

² Cat 1B Captive Foundry process for Unclassified only

Trusted Microelectronics Foundries Capabilities

TRUSTED foundry	MIXED SIGNAL CMOS+ SONOS NVM					RF CMOS						HV CMOS						RH CMOS								
	1.2 um	0.8 um	0.35 um	180 nm	130 nm	0.25 um	180 nm	130 nm	90 nm	65 nm	45 nm	2.5 um	0.8 um	0.5 um	0.35 um	0.25 um	180 nm	130 nm	2.5 um	1.2 um	0.8 um	0.5 um	0.35 um	180 nm	90 nm	
BAE Systems IESI, Nashua																										
Global Foundries, Burlington						1	1	1	1								1									
Global Foundries Malta																										
Honeywell Aerospace Plymouth, MN																										
HRL Laboratories, LLC																										
MACOM Technology Solutions, Inc.																										
MIT Lincoln Laboratory																										
Northrop Grumman Space Systems																										
Northrop Grumman Mission Systems	1	1	1	1								1							1	1	1	1	1	1	1	1
onsemi - EFK							1	1			1															
onsemi - Gresham, OR							1							1	1	1	1									
Qorvo Texas, LLC																										
Raytheon RF Components																										
Sandia National Laboratories																										
SkyWater Technology Foundry, Inc.			1		1										1			1								1
SRI International												1														
Wolfspeed, Inc.																										
Broker - Captive Foundry Process																										
Jazz Semiconductor Trusted Foundry (JSTF) ²							1	1								1	1									

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Trusted Microelectronics Foundries Capabilities

TRUSTED FOUNDRY	SiPho CMOS		CMOS Image Sensor		FIB/ET	SOI CMOS							Thin Film SOI CMOS		RH SOI CMOS				SOS		BiCMOS						CCD Image Sensor							
	180 nm	45 nm	180 nm	130 nm		12 nm	0.8 um	0.7 um	0.35 um	180 nm	150 nm	130 nm	90 nm	45 nm	32 nm	180 nm	130 nm	0.7 um	0.35 um	150 nm	90 nm	1.2 um	3 um	2 um	1.5 um	1.2 um	0.35 um	0.25 um	180 nm	130 nm	0.25 um	90 nm		
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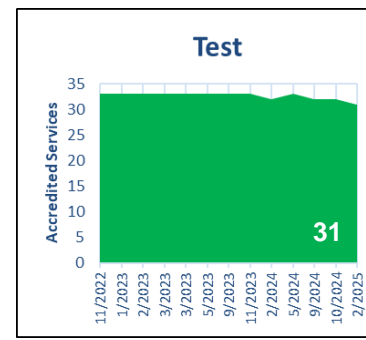
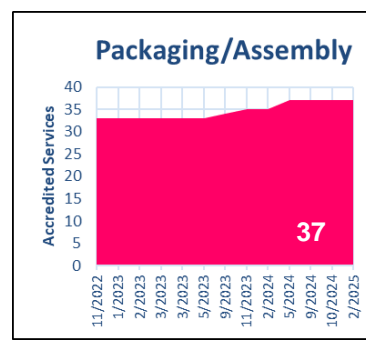
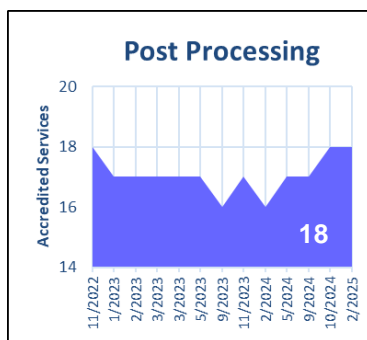
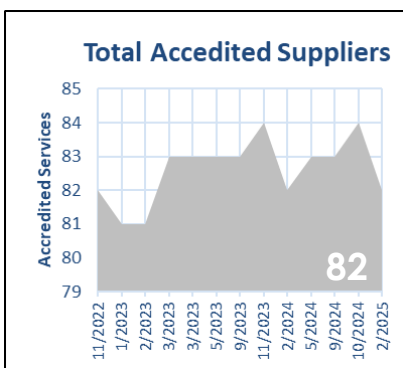
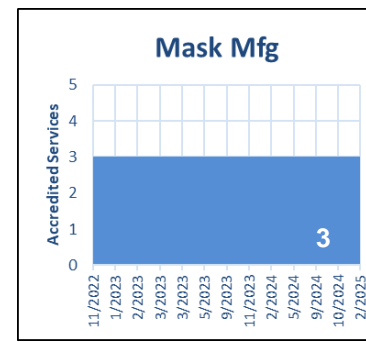
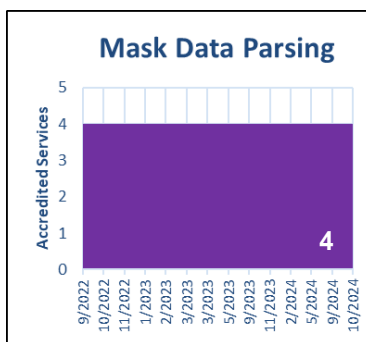
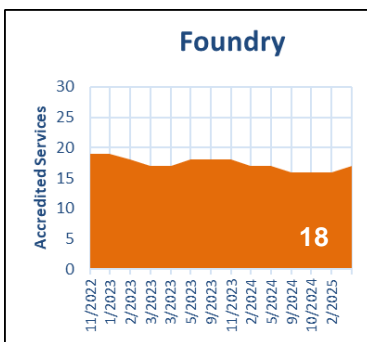
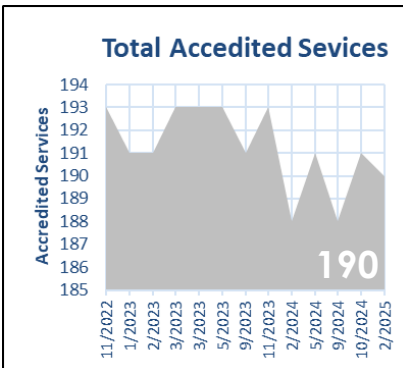
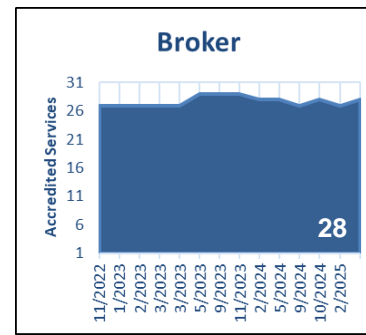
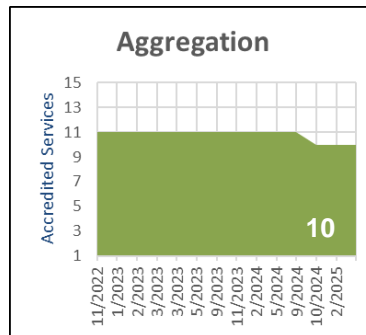
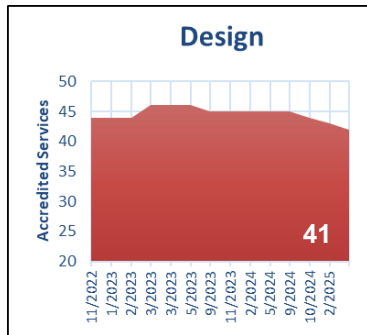
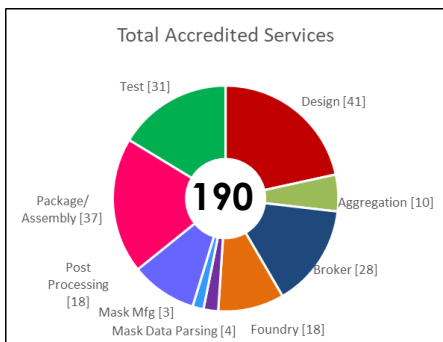
Trusted Microelectronics Foundries Capabilities

TRUSTED FOUNDRY	Bipolar			GaAs 3MI / 4MI pHEMT			GaAs							GaN							InP					SiGe SOI		SiGe														
	1.0 um	0.8 um	0.6 um	100 nm	90 nm	70 nm	2 um	1 um	0.5 um	0.25 um	150 nm	100 nm	90 nm	70 nm	0.5 um	0.4 um	0.35 um	0.25 um	0.2 um	100 um	150 nm	140 nm	1 um	0.8 um	0.65 um	150 nm	100 nm	180 nm	130 nm	0.5 um	0.35 um	0.25 um	180 nm	130 nm	90 nm							
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Dashboard of Trusted Services



DoD Resources

- ◆ DoDI 4140.67, Change 3, DoD Counterfeit Prevention Policy (February 2024)
<http://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/414067p.pdf>
- ◆ DoDI 5000.02, Change 1, Operation of the Defense Acquisition System (June 2022)
<https://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/500002p.pdf>
- ◆ DoDI 5200.39, Change 3, Critical Program Information (CPI) Identification and Protection Within Research, Development, Test, and Evaluation (RDT&E) (October 2020)
<http://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/520039p.pdf>
- ◆ DoDI 5200.44, Protection of Mission Critical Functions to Achieve Trusted Systems and Networks (TSN) (February 2024)
<http://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/520044p.pdf>
- ◆ DoDD 5200.47E, Change 3, Anti Tamper (AT) Change 1 (December 2020)
<http://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodd/520047E.pdf>
- ◆ Defense Microelectronics Activity (DMEA)
<https://www.acq.osd.mil/asds/dmea/>
- ◆ Joint Federated Assurance Center (JFAC)
<https://rt.cto.mil/stpp/syssec/jfac/>
- ◆ Department of Defense Risk, Issue, and Opportunity Management Guide for Defense Acquisition Programs (September 2023)
<https://www.dau.edu/sites/default/files/2023-10/DoD%20RIO%20Management%20Guide%2009-2023.pdf>
- ◆ Defense Acquisition Guidebook (DAG), Chapter 9 Program Protection (October 2017)
<https://www.dau.edu/sites/default/files/2023-09/DAG-CH-9-Program-Protection.pdf>

How to Obtain Trust

- ◆ Request Trusted services via the designated point of contact at each supplier (POCs are on the accredited supplier list)
 - ◆ Ensures Trusted flow will be employed
 - ◆ Ensures confidentiality of customer information
- ◆ If a Trusted device is needed, Trusted services are required at each part of the supply chain
- ◆ A Trusted service (just like ITAR) is an option
 - ◆ Commercial (untrusted) services are also available at trusted suppliers
 - ◆ Trusted services are not automatic

Accredited Suppliers' Trusted Capabilities

Trusted Supplier	Location	POC	Aggregation	Broker	Design	Foundry Services	Masks	Packaging/ Assembly	Post Processing	Test
AccelerATE Solutions. Inc.	San Jose, CA	nulsente@acceler-ate.com (408) 218-1978		X	X					
Analog Devices Federal, LLC	Chelmsford, MA	Rachel.elwell@analog.com (978) 978-3353		X	X					X
Arkham Technology, Ltd.	Irvine, CA	othomas@arkhamtechnology.com (949) 585-0404			X					
BAE Systems Electronic Systems	Manassas, VA	Brian.orlowsky@baesystems.com (571) 364-7789	X	X	X			X		X
BAE Systems Information & Electronic Systems Integration Inc.	Cedar Rapids, IA	Brandon.hamilton@baesystems.com (812) 693-5126						X		X
BAE Systems Microwave Electronics Center Nashua	Nashua, NH	Douglas.m.dugas@baesystems.com (603) 885-7016				X				
Boeing Company, El Segundo	El Segundo, CA	Eric.j.miller@boeing.com (310) 416-5314			X					X
Boeing Company, Seattle	Seattle, WA	Wesley.p.hansford@boeing.com (562) 344-7997			X					
Cadence US, Inc	San Jose, CA	robinson@cadence.com (408) 382-2020			X					
Chip Scan Inc	Rockaway Beach, NY	trustedic@chipscan.us (332) 256-3381			X					
Collins Aerospace	Cedar Rapids, IA	John.mulherin@rockwellcollins.com (319) 295-1703			X			X		X
Criteria Labs, Inc.	Austin, TX	dmyron@criterialabs.comcom (512) 637-4549		X				X		X
Cubic Nuvotronics	Durham, NC	abarani@cubic.com (540) 818-3724						X	X	
Defense Microelectronics Activity	McClellan, CA	Jeremy.d.bridge.civ@mail.mil (916) 231-1671		X	X	X		X		X

Accredited Suppliers' Trusted Capabilities

Trusted Supplier	Location	POC	Aggregation	Broker	Design	Foundry Services	Masks	Packaging/ Assembly	Post Processing	Test
Department of Defense Microelectronics Solutions Group	Fort Meade, MD	klroger@radium.ncsc.mil (240) 373-2990			X			X		X
DPA Components International	Simi Valley, CA	dougs@dpaci.com (805) 581-9200						X		X
Draper	Cambridge, MA	S&AS@draper.com (617) 258-1389			X			X	X	X
Draper St. Petersburg	St. Petersburg, FL	jforsyth@draper.com (617) 981-9855						X	X	
FirstPass Engineering (Synopsis, Inc)	Phoenix, AZ	bbailey@firstpasseng.com (602) 680-9345			X					
Frontgrade Colorado Springs LLC	Colorado Springs, CO	Mark.beadle@frontgrade.com (719) 888-0114	X	X	X			X		X
Frontgrade Plainview NY	Plainview, NY	Roger.maurizio@frontgrade.com (516) 236-3191						X		
General Dynamics Mission Systems, Scottsdale	Scottsdale, AZ	Brian.nowak@gd-ms.com (480) 441-1582		X	X					
Global Foundries Burlington	Essex Junction, VT	Rich.mannherz@globalfoundries.com (802) 734-1823	X	X		X	X		X	X
Global Foundries Malta	Malta, NY	Rich.mannherz@globalfoundries.com (802) 393-9958		X		X				
Grinding & Dicing Services Inc. a wholly owned business unit of Akoustis Technology	San Jose, CA	info@wafergrind.com (408) 961-3720						X	X	
Honeywell Aerospace Plymouth	Plymouth, MN	Thomas.romanko@honeywell.com (763) 954-2103		X	X	X		X		X
HRL Laboratories, LLC	Malibu, CA	cfu@hrl.com (310) 317-5636				X				
Huntington Ingalls Industries	Roanoke, VA	Stephen.baka@hii-tds.com (540) 283-7542			X					
IBM Corporation Bromont	Bromont, Quebec, Canada	cletendr@ca.ibm.com (450) 534-6444						X	X	
IBM Corporation Burlington	Essex Junction, VT	Sam.Hernandez@us.ibm.com (720) 397-5590		X						

Accredited Suppliers' Trusted Capabilities

Trusted Supplier	Location	POC	Aggregation	Broker	Design	Foundry Services	Masks	Packaging/ Assembly	Post Processing	Test
IBM Corporation East Fishkill	Hopewell Junction, NY	Sam.Hernandez@us.ibm.com (720) 397-5590		X						
IBM Corporation Malta	Malta, NY	Eric.rumbaugh@us.ibm.com (802) 769-1900		X						
Integra Technologies, LLC	Wichita, KS	Kelly.priddy@integra-tech.com (316) 630-6859						X		X
Integra Technologies Silicon Valley	Milpitas, CA	Joe.foerstel@integra-tech.com (408) 618-8752						X	X	
Interconnect Systems International, LLC	Camarillo, CA	Thomas.Casey@molex.com (805) 384-4885						X		
Jazz Semiconductor Trusted Foundry (JSTF)	Irvine, CA	jordans1@jazztrusted.com (949) 861-3519		X						
Johns Hopkins University, Applied Physics Laboratory	Laurel, MD	Shawn.seman@jhuapl.edu (240) 228-2843			X					
Kansas City National Security Campus	Kansas City, MO	wreed@kcncsc.doe.gov (816) 488-3965	X	X	X			X	X	X
L-3 Communications Systems -West	Salt Lake City, UT	Eric.k.hall@l-3com.com (801) 594-2601			X					
L3Harris Corporation Space & Airborne Systems	Melbourne, FL	lparadis@harris.com (321) 727-1989			X			X		X
Lockheed Martin Missiles and Fire Control, Orlando Site	Orlando, FL	Peter.h.law@lmco.com (407) 484-6929			X					
Lockheed Martin Space Systems, Denver Site	Littleton, CO	Joseph.j.hein@lmco.com (720) 503-4741			X					
Lockheed Martin Space Systems, Sunnyvale Site	Sunnyvale, CA	Joseph.j.hein@lmco.com (720) 503-4741			X					

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Trusted Supplier	Location	POC	Aggregation	Broker	Design	Foundry Services	Masks	Packaging/ Assembly	Post Processing	Test
Lockheed Martin Space Systems, Valley Forge Site	King of Prussia, PA	Joseph.j.hein@lmco.com (720) 503-4741			X					
MACOM Technology Solutions, Inc.	Lowell, MA	Jennifer.cort@macom.com (978) 656-2345			X	X			X	
Marvell Government Solutions, LLC	Essex Junction, VT	mrich@marvellgs.com (845) 892-0754		X						X
Maxtek Components Corporation dba Tektronix Component Solutions	Beaverton, OR	components@tektronix.com (503) 627-1486						X		X
Mercury System, Inc. - Phoenix Advanced Microelectronics Center	Phoenix, AZ	Erika.Brightwell@mrchy.com (480) 521-3859		X				X		X
Mercury Systems- Sensor and Mission Processing	Andover, MA	Christina.king@mrchy.com (657) 465-0208			X					
Microsemi SOC San Jose, CA	San Jose, CA	Paul.doyle@microchip.com (408) 643-6200			X					X
Micross Advance Interconnect Technology	Durham, NC	Alan.Huffman@micross.com (919) 248-9216 John.Lannon@micross.com (919) 248-1872						X		
MIT Lincoln Laboratory Microelectronics Laboratory	Lexington, MA	MEL-Director@ll.mit.edu (781) 981-1716	X		X	X		X	X	
Motorola Solutions, Inc	Chicago, IL	Gio.cafaro@motorolasolutions.com (954) 723-8751			X					
NEO Tech	Chatsworth, CA	Steve.bates@neotech.com (330) 881-3046						X		
Northrop Grumman Space Systems	Redondo Beach, CA	Myra.deleon@ngc.com (310) 813-2719	X		X	X		X	X	X
Northrop Grumman Mission Systems	Linthicum, MD	j3.miller@ngc.com (410) 765-3958		X		X		X		X
Northrop Grumman Systems Corporation	Apopka, FL	Troy.campbell2@ngc.com (689) 290-5102		X				X	X	X
onsemi – EFK	Hopewell Junction, NY	Eddie.cruz@onsemi.com (845) 894-3333		X		X			X	

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onsemi - Gresham	Gresham, OR	Troy.dye@onsemi.com (208) 239-7013		X		X			X	
Photronics Idaho, Inc.	Boise, ID	ebawden@photronics.com (208) 908-4079					X			
Photronics Texas Allen, Inc.	Allen, TX	dtaylor@photronics.com (512) 810-3400					X			
Plexus Aerospace Defense & Security Services, LLC	Nampa, ID	Eric.holtz@plexus.com (480) 532-2467						X		
Qorvo Texas, LLC	Richardson, TX	TrustedIC@qorvo.com (972) 994-4560			X	X		X	X	X
Raytheon Missile and Defense	Tucson, AZ	bryon_hoinke@rtx.com (520) 794-4226		X	X			X		
Raytheon RF Components	Andover, MA	Stephen.j.litwala@rtx.com (978) 684-5428				X				
Raytheon Vision Systems	Goleta, CA	rmokhtari@rtx.com (805) 562-2021			X					
Sandia National Laboratories Microsystems Engineering, Science & Applications (MESA)	Albuquerque, NM	ginchav@sandia.gov (505) 284-4400			X	X				X
Sensors Unlimited, Inc.	Princeton, NJ	Guy.bowie@collins.com (541) 308-1091	X					X	X	X
Silicon Turnkey Solutions, Inc.	Milpitas, CA	rscofield@sts-usa.com (408) 904-0208						X		X

Accredited Suppliers' Trusted Capabilities

Trusted Supplier	Location	POC	Aggregation	Broker	Design	Foundry Services	Masks	Packaging/ Assembly	Post Processing	Test
Six Sigma (dba) Winslow Automation	Milpitas, CA	russ@solderquik.com (408) 956-0100 x 111						X		
SkyWater Florida	Kissimmee, FL	brad.ferguson@skywatertechnology.com (612) 418-6575		X				X		
SkyWater Technology Foundry, Inc.	Bloomington, MN	brad.ferguson@skywatertechnology.com (952) 851-5190		X	X	X				X
SRI International	Princeton, NJ	David.weaver@sri.com (609) 720-4845				X				
Teledyne e2v HiRel Electronics	Milpitas, CA	Patricia.medina@teledyne.com (408) 609-8787		X	X			X		X
Teledyne Advanced Electronics Solutions	Lewisburg, TN	John.leforge@teledyne.com (931) 270-2735						X		X
TLMI Corporation	Austin, TX	mfredin@tlmicorp.com (512) 833-7075							X	
Tekscend Photomask Round Rock, Inc.	Round Rock, TX	Kent.green@us-photomask.com (972) 839-3592					X			
Trusted Semiconductor Solutions, Inc.	Brooklyn Park, MN	stephanie.pusch@trustedsemi.com (612) 618-2115	X	X	X					
USC, Information Sciences Institute, Arlington	Arlington, VA	mfrench@isi.edu (703) 812-3733			X					
USC -- ISI - MOSIS	Marina del Rey, CA	jkohls@mosis.com (310) 448-8214	X	X						
Vortex Aerospace Design & Labs, Inc.	Melbourne, FL	trustedDesign@vortexaerospace.com (813) 435-0528	X	X	X		X			
Wolfspeed, Inc.	Durham, NC	Anthony.mcollum@wolfspeed.com (919) 4074271			X	X				X