

**Forward Components Engineering (FCE)** is a world class provider of material solutions. FCE provides our customers with engineering and design services, product analysis and specification support, product testing and validation, bill of materials analysis, and stocking and scheduled deliveries for production.



For your materials and engineering solutions: Think Ahead. Think Forward.

Moving you ahead of the competition.

## Supported Applications

- Avionics
- Cabin Systems
- Embedded Systems
- Field Test Units
- Ground Based Communications
- Ground Support Systems
- Heads-Up Display
- IFE
- Legacy System Support
- Military Cable/Matrix Assemblies
- Navigation Equipment
- Solid State Drives

## Supplier List

<b>A</b>	Comm Con	Glenair	Lansing Instruments Corp.	PI Manufacturing	Surge Components
Aavid Thermalloy	Concord Electronics	Goodrich	L-Com	PIC Wire & Cable	Symmetricon
AB Connectors	Connect-Tech	Guardian Electric	LEM USA	Pomona	<b>T</b>
Abracon	Conner-Winfield	Gunze	Linear Technology	Positronic	Tektronix
ADI	Continental Connector	<b>H</b>	LMB/Heeger	Precision Devices Inc.	Texas Components Corp
Advanced Interconnections	Cooper/Crouse-Hinds	Halo Electronics	Logicube	Premier Magnetics	Therm-O-Disc
Aeroflex/Weinschel	Cristek Interconnects	Hantronix	Lumics	Pulse Research Lab	Timbercon
Aeroflex/Inmet	Critical Solutions International	Heyco	<b>M</b>	<b>Q</b>	Tocos America
Aiconics	Curtiss Wright	Hi Rel Connectors	Mag Layers	Quality Thermistors	Tripp-Lite
Airspares	<b>D</b>	Hoke Controls	Marco Manufacturing	<b>R</b>	Trompeter
Allied Power Products	Dallas/Maxim	Hongfa	Marshall Electronics	RAF Electronic Hardware	<b>U</b>
American Capacitor Corp.	Datapro	Huntington Electric	Marktech Optoelectronics	Raytek	UNICOR
American Connector	Davicom	Hutson Industries	Maxim	RCD	United Electronics Corp.
Ametherm	Discovery Semiconductor	<b>I</b>	Micro Fasteners	RF Industries	USA Speed Tech
Amphenol/NEXUS Division	DIT-MCO	Ideal Aerosmith	Microchip	RF Micro Devices	<b>V</b>
Analog Devices	DRS-SSI	Interlink Electronics	Micro-Ohm Corp.	RMS Connectors	Vanguard
AOP	Dwyer Instrument	International Rectifier	Microwave Devices	RPC Electronics	Vicor
APEM	<b>E</b>	Intersil	Midwest Microwave	<b>S</b>	Voss Industries
Applied Interconnect	EADS	I-PEX	Mil-Con	S.T. Micro	Vweb
Array Connector	ECS Corp.	Isodyne	Min-E-Conn	Samtec	<b>W</b>
ATC	Electro-Adapter	Ituner Networks	Mini Systems	Schurter	Wavenet
<b>B</b>	Electronic Cable Specialties	IXYS	Molded Devices	Sealevel Systems	Whitmor/Wirenetics
Beamshot	Elna Magnetics	<b>J</b>	Mltron PTI	Semicoa	Winchester Electronics
Berkshire Electrical Cable	Emerson Network Power	J&K Connectors	<b>N</b>	Sensirion	<b>X</b>
Black Box	Emteq	JDSU	Narda Microwave	Snap-On	Xicon
<b>C</b>	<b>F</b>	Jergens Inc.	National Instruments	Solid State Optronics	<b>Y</b>
Cables to Go	Fastener Specialty Inc.	<b>K</b>	Nemco	Spacecraft Components	YS Tech
Caddock	FCI	Kanthal	New Jersey Semi	Specialty Cable Corp.	<b>Z</b>
Cal Chip	Federal Custom Cable	KDS	Novacap	Spectrum Control	Zippy Technology
CAPlugs	Filter Concepts	Kern Engineering	Nujira	Staffall	
Cherry	Fluke	<b>L</b>	<b>O</b>	State of the Art	
Chomerics	Fox Electronics	L3	Omega	STK Electronics	
Circuit Assembly	Future Technology Devices	La Vezzi	<b>P</b>	Storm Copper Comp.	
Coaxial Components	<b>G</b>	Labinal	Pacific Cable	Stroco	
Cole Hersee	Gems Sensors & Controls	Lambda-TDK	Pasternack	Sunbank	
Coleman Cables	Gladding Braid Products	Lansdale Semiconductor	PCA Electronics	SunLed	

## Forward Components Engineering

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## Suppliers by Product Category

<b>Accessories</b>	Trompeter	Beamshot	Tripp-Lite	Cherry
DIT-MCO	Vanguard	Electronics Cable Specialties	Lambda-TDK	Guardian Electric
<b>Aircraft Lighting</b>	<b>Capacitors</b>	L-Com	Vicor	Hongfa
Emteq	American Capacitor Corp.	Lumics	<b>RF/Microwave Components</b>	Hutson
<b>Board Level Interconnect</b>	ATC	Marktech Optoelectronics	Microwave Devices	Schurter
Advanced Interconnections	Narda Microwave	Raytek	Midwest Microwave	Tocos America
Circuit Assembly	Nemco	SunLed	<b>Semiconductors/IC's</b>	Zippy Technology
Comm Con	Novacap	Symmetricon	Dallas/Maxim	<b>Terminal Blocks</b>
Connect-Tech	RCD	<b>Liquid Crystal Display</b>	Discovery Semiconductor	Marco Manufacturing
Samtec	STK Electronics	Marshall Electronics	Future Technology Devices	<b>Test Accessories</b>
<b>Cables, Connectors, Adapters, Sockets, Gaskets</b>	Surge Components	<b>Magnetics</b>	International Rectifier	EADS
Advanced Interconnections	<b>Crystals, Oscillators</b>	Elna Magnetics	Intersil	DIT-MCO
Applied Interconnect	Abracon	Halo Electronics	IXYS	Dwyer Instrument
Black Box	Conner-Winfield	Mag Layers	Lansdale Semiconductors	Ideal Aerosmith
Cables to Go	ECS Corp.	Premier Magnetics	Linear Technology	JDSU
Circuit Assembly	Filter Concepts	PCA Electronics	Maxim	National Instruments
Coaxial Components	Fox Electronics	Pulse Research Lab	Microchip	Pomona/Fluke
Cole Hersee	KDS	<b>Measurement &amp; Control Products</b>	New Jersey Semi	Tektronix
Concord Electroncis	MTron PTI	EADS	PCA Electronics	<b>Tools</b>
Cristek Interconnect	<b>Display, Controllers, Invertors</b>	JDSU	RPC Electronics	Snap-On
Curtiss Wright	Gunze	Kanthal	ST Micro	<b>Thermal Management, Fans</b>
Datapro	Hantronix	LEM USA	Semicoa	Aavid Thermalloy
Electronic Cable Specialties	Omega	Omega	Solid State Optronics	YS Tech
Emerson Network Power	<b>Electronics Systems</b>	Tektronix	VWeb	<b>Wire &amp; Cable</b>
FCI	DRS-SSI	<b>Miscellaneous</b>	<b>Passives/Resistors</b>	Berkshire Electrical Cable
Federal Custom Cable	<b>Enclosures/Racks</b>	Allied Power Products	Ametherm	Coleman Cables
Isodyne	Lansing Instruments Corp.	Critical Solutions Interconnect	Caddock	Gladding Braided Products
I-PEX	RF Micro Devices	Davicom	Cal Chip	Pacific Cable
Labinal	<b>Hard Drive Duplication</b>	Fluke/Pomona	Micro-Ohm Corp.	Specialty Cable Corp.
Min-E-Conn	Logicube	Goodrich	Mini Systems	Wavenet
Molded Devices	<b>Hardware</b>	Hoke Controls	NTC Thermistors	Whitmor/Wirenetics
Pasternack	Heyco	Huntington Electric	Quality Thermistors	
PIC Wire & Cable	Jergens Inc.	Ideal Aerosmith	RCD	
PI Manufacturing	LMB/Heeger	Interlink Electronics	Texas Components Corp.	
RF Industries	Micro Fastners	La Vezzi	Tocos America	
Samtec	RAF Electronic Hardware	Nujira	Xicon	
Schurter	Staffall	Sealevel Systems	<b>Sensors</b>	
Spectrum Control	Tripp-Lite	UNICOR	Gems Sensors & Controls	
Storm Copper Corp.	Vanguard	USA Speed Tech	Sensirion	
United Electronics Corp.	<b>LEDs, Optics, Laser Diodes, Lamps</b>	<b>Power Supplies/ Power Components</b>	Therm-O-Disc	
Winchester Electronics	AOP	Ituner Networks	<b>Switches/Relays/ Transformers/Buzzers</b>	
Timbercon			Apem	

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## Manufacturers

AB Connectors  
 ADI  
 Aeroflex/Inmet  
 Aeroflex/Weinschel  
 Aiconics  
 Airspares  
 American Connector  
 Amphenol/NEXUS Division  
 Analog Devices  
 Array Connector  
 Berkshire Electrical Cable  
 CAPlugs  
 Chomerics  
 Cole Hersee  
 Coleman Cables  
 Concord Electronics  
 Continental Connector  
 Cooper/Crouse-Hinds  
 DRS-SSI  
 Electro-Adapter  
 Fastener Specialty  
 Gladding Braided Products  
 Glenair  
 HiRel Connectors  
 International Rectifier  
 Intersil  
 J&K Connector  
 Kern Engineering  
 L3  
 Lansdale Semiconductors  
 Linear Technology  
 Marco Manufacturing  
 Marshall Electronics  
 Mil-Con  
 Mini Systems  
 Positronic  
 Precision Devices Inc.  
 Quality Thermistors  
 RCD  
 RMS Connectors  
 Semicoa  
 Spacecraft Components  
 Specialty Cable Corp.  
 State of the Art  
 Stroco  
 Sunbank  
 United Electronics Corp.  
 Whitmor/Wirenetics  
 Winchester Electronics

## Military Specifications

### CRXX

CR106/U  
 CR139/U  
 CR60/U  
 CR64/U  
 CR69/U  
 CR78/U  
 CR79/U  
 CR97/U

### MIL-A

MIL-A-27434  
 MIL-A-55339

### MIL-C

MIL-C-10392B  
 MIL-C-10544  
 MIL-C-12520  
 MIL-C-21617  
 MIL-C-22520  
 MIL-C-25955  
 MIL-C-26482  
 MIL-C-26637  
 MIL-C-28731  
 MIL-C-28804  
 MIL-C-29600  
 MIL-C-39012  
 MIL-C-39029  
 MIL-C-43256  
 MIL-C-43307  
 MIL-C-49142  
 MIL-C-5040  
 MIL-C-52078  
 MIL-C-55181  
 MIL-C-55235  
 MIL-C-55243  
 MIL-C-55339  
 MIL-C-7078  
 MIL-C-7515  
 MIL-C-81659  
 MIL-C-83517  
 MIL-C-83527  
 MIL-C-83723  
 MIL-C-85028  
 MIL-C-85528  
 MIL-C-9177

### MIL-DTL

MIL-DTL-12995  
 MIL-DTL-13169  
 MIL-DTL-13486  
 MIL-DTL-16878

MIL-DTL-17  
 MIL-DTL-22759  
 MIL-DTL-22992  
 MIL-DTL-24308  
 MIL-DTL-24640  
 MIL-DTL-24643  
 MIL-DTL-25038  
 MIL-DTL-25136  
 MIL-DTL-26482  
 MIL-DTL-26500  
 MIL-DTL-27072  
 MIL-DTL-27500  
 MIL-DTL-27599  
 MIL-DTL-28748  
 MIL-DTL-28840  
 MIL-DTL-3432  
 MIL-DTL-38999  
 MIL-DTL-39024  
 MIL-DTL-5015  
 MIL-DTL-5086  
 MIL-DTL-55021  
 MIL-DTL-55116  
 MIL-DTL-55302  
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 MIL-DTL-81044  
 MIL-DTL-81381  
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 MIL-DTL-81703  
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 MIL-DTL-83513  
 MIL-DTL-83538  
 MIL-DTL-83733  
 MIL-DTL-85049  
 MIL-DTL-8777  
 MIL-DTL-915

### MIL-I

MIL-I-81969

### MIL-PRF

MIL-PRF-18546  
 MIL-PRF-19500  
 MIL-PRF-22684  
 MIL-PRF-23648  
 MIL-PRF-26  
 MIL-PRF-29  
 MIL-PRF-32159  
 MIL-PRF-32192  
 MIL-PRF-38534  
 MIL-PRF-38535

MIL-PRF-38999  
 MIL-PRF-39005  
 MIL-PRF-39007  
 MIL-PRF-39009  
 MIL-PRF-39012  
 MIL-PRF-39017  
 MIL-PRF-49142  
 MIL-PRF-46462  
 MIL-PRF-49465  
 MIL-PRF-55339  
 MIL-PRF-55342  
 MIL-PRF-55365  
 MIL-PRF-55681  
 MIL-PRF-790  
 MIL-PRF-83401  
 MIL-PRF-914

### MIL-R

MIL-R-10509  
 MIL-R-11  
 MIL-R-24677  
 MIL-R-39008  
 MIL-R-93

### MIL-T

MIL-T-55164  
 MIL-T-81714

### MIL-W

MIL-W-15086  
 MIL-W-16878  
 MIL-W-22759  
 MIL-W-25038  
 MIL-W-5086  
 MIL-W-5845  
 MIL-W-5846  
 MIL-W-5908  
 MIL-W-6370C  
 MIL-W-76  
 MIL-W-81381

### MS

MS25251  
 MS27488  
 MS3187  
 M81969

### SAE

SAE-5015  
 SAE-81703  
 SAE-85049

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