



The Source for Critical Information and Insight™

# How to Find & Evaluate Qualified Parts, Manufacturers and Suppliers

Greg Jaknunas

IHS Supply Chain

May 17-18, 2012





# Agenda

---

- Brief Haystack Overview
- Search tools
- Identify alternate sources of supply
- Verify technical characteristics
- Alternatives/replacements
- Pricing information
- Increase efficiency of design, component, test and quality assurance processes
- Audit previous sales/awards
- Research bid opportunities
- Report generation



# Overview - Haystack Gold

---

- Parts and logistics research tool used to find
  - Parts, Vendors, Alternate Sources of Supply, Pricing (current and historical), Solicitation opportunities, Parts lists, Inventory on hand, and more
- Provides access to anything purchased and stocked by the US government.
  - Over 100 million part references contained in the US, UK and Canadian supply systems
  - Crossed referenced by National/NATO Stock Numbers (NSN)
  - Includes access to industry standards, as well as components and fasteners from Parts Universe.
- Single source of parts information, supporting all aspects of business operations, including design engineering, supply chain management, MRO, and aging system support.



# Overview - Platforms and Content

---

## Platforms

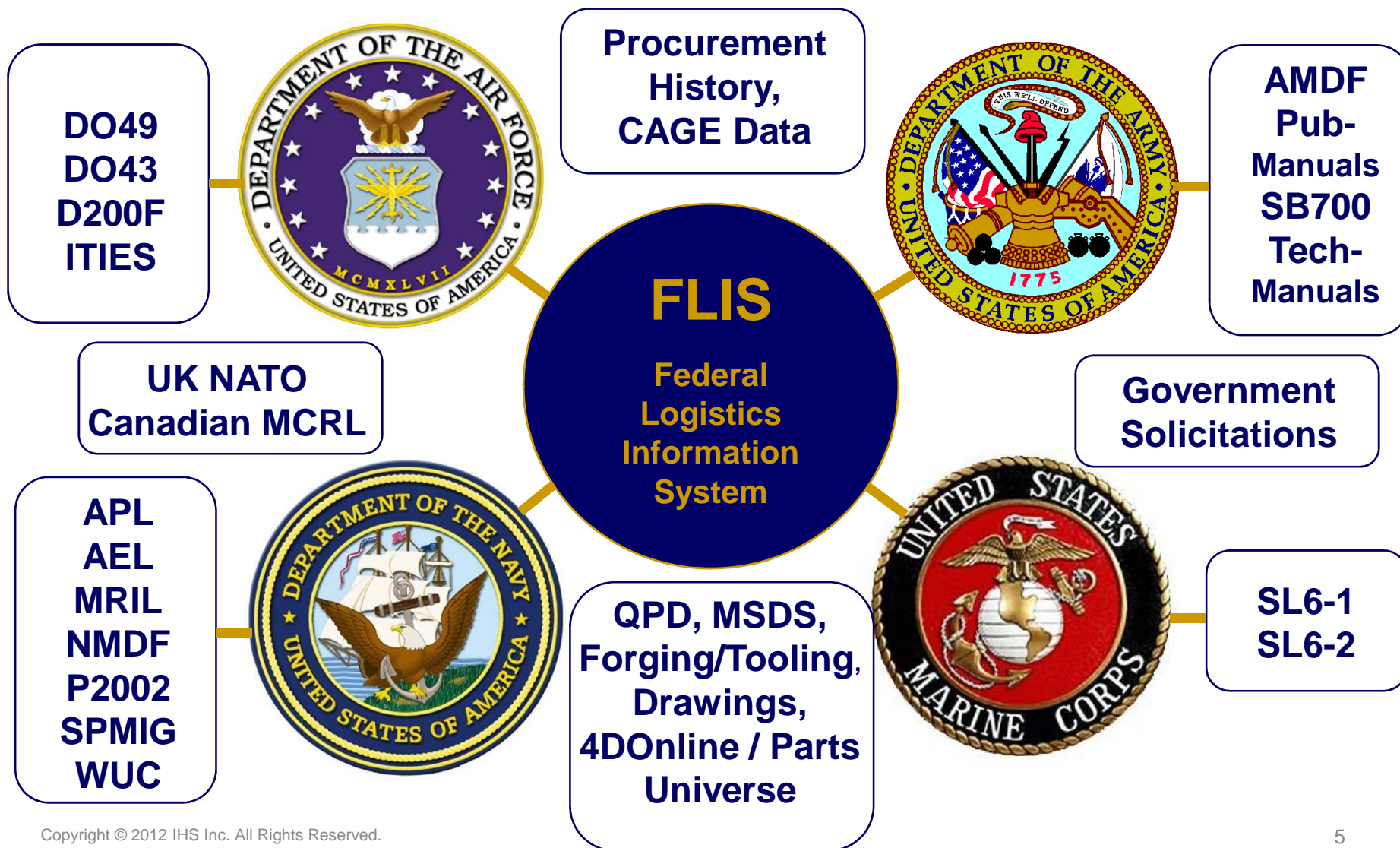
- Web-based
- DVD
- Behind the firewall
- Integration capabilities

## Content

- 35 + Search Screens
  - Across various business and service areas
- 135 + Search Fields
- 1500 + Data Fields
- 70 + Databases
  - Government and commercial sources
  - Update schedule varies from daily to annually



# Overview - Content





# Who Uses It - Personas

Function	How Used
Supply	Flexible identification of an item by part number, supplier, where used or technical characteristics; identify alternate suppliers; identify NSN.
MRO (Maintenance, Repair and Overhaul)	Flexible identification of an item and supplier; where used or technical characteristics; identify alternate suppliers; identify NSN; can be in urgent (AOG) situations where on-the-shelf availability data is needed.
Acquisition/Purchasing	Identify parts and suppliers; supplier contact info; locate on-the-shelf availability data; identify NSN; compare pricing; identify alternate suppliers; validate specifications and standards required; locate QPL part and manufacturer.
Engineering	Identify items by technical characteristics, company name or weapon system; identify alternates, view supplier contact info; pricing; adherence to specifications and standards; manage BOMs by commodity or weapon system.
Integrated Logistics Support	Identify parts and suppliers; identify alternates; batch processing for managing BOMs; XML data feeds to populate internal systems; weapon system identification.
Sales/Marketing	Defense contractors looking to: identify parts to NSNs; view previous contract pricing; establish buying patterns for DoD; broaden their footprint in Government marketplace.
Obsolescence Management	Identify parts and suppliers; identify alternates to fit form and function; insight into EOL; on-the-shelf availability data; batch processing for managing BOMs; weapon system identification; identify NSN.



## Who Uses It – Functional Areas

---

- Acquisition
- Engineering
- Planning
- Integrated logistics support
- Condition-based maintenance
- Configuration management
- Cataloging
- Contracting
- Design engineering
- Requisitioning
- Purchasing disposal
- Logistics
- Warehousing
- Shipping/receiving
- Technical supply research
- Inventory control
- Parts applications
- Sales and marketing
- License enforcement
- Litigation support
- New business development



# Searching

## □ Highly flexible search options

The screenshot displays the IHS search interface, which is highly flexible and user-friendly. It features a navigation menu on the left with categories like Database, Vendor, and Technical. The main content area is divided into several search sections:

- FEDERAL LOGISTICS INFORMATION SEARCH:** This section includes input fields for Part Number, NSN/NIIN (with the example 005347553), Item Name, CAGE Code(s), and Vendor Name. It also has checkboxes for FSC and INC.
- Technical Characteristics Freeform Search:** This section allows users to enter up to four criteria for searching.
- MULTI-DATABASE PART OR NIIN SUPER SEARCH:** This section provides a comprehensive search across multiple databases. It includes a detailed list of databases with checkboxes, such as US FLIS/MCRL, UK MCRL, Canadian MCRL, CTDF PID, QML/QPL Mfg's Parts, QML/QPL Gov Parts/NIINs, QPD (Qualified Products Database), DODIC Ammo, HMDF, LIRSH, US Proc. History, US Proc. History Archive, Canadian Proc. History, and US Gov. RFQs. Other databases listed include FAA PMA Original/Replacement Parts, Forging Tooling, MSDS, Manufacturer's Drawings, Parts List, Next Higher Assembly, Inventory/Capability, Electronic Parts, and various US and USAF databases like USN APL, USN CRF, USN MRIL, USN NHA, USN P2002 Pub, USN SPHIG, USN WUC, USN WUC S3, USMC SL6-1, USMC SL6-2, US Army AMDF, US Army DA-PAM 25-30, USAF D049, USAF Stock Number User Directory, and USAF Indenture (D200F).

The interface also includes navigation buttons like 'Back To Search', 'Back To Brief', and 'Back To Summary', and a footer with 'Copyright © 2012 IHS Inc. All Rights Reserved.' and 'Copyright | Privacy | Legal' links.





# Search Results

## ❑ On-screen indicators for items with procure-ability issues

Contact Us | IHS Menu | Log Out

HAYSTACK®

[Database](#)   [Reports](#)   [About](#)   [Help](#)   [Back To Search](#)   [Back To Brief](#)   [Back To Summary](#)

HITS: 62   FLIS/TIR RESULTS   PAGE: 1 OF 1   PAGE SIZE: 200

[Modify Search](#)

FSC	NIIN	ISC	Item Name	Part No.	CC	VC	CAGE	Company	Latest ML-C Price
5120	<a href="#">00-228-9515</a>	5	WRENCH,BOX AND O	1234	5	9	<a href="#">93389</a>	STANLEY-PROTO III	\$14.30
6145	<a href="#">00-240-4043</a>	3	BRAID,WIRE	1234	3	2	<a href="#">92194</a>	ALPHA WIRE CORP	N/A
5305	<a href="#">00-282-9795</a>	2	<b>ISC - Item Standardization Code</b> An item which, as a result of a formal item reduction study, is accepted as not authorized for procurement.	234	3	2	<a href="#">62983</a>	EATON AEROSPACE	\$3.85
5330	<a href="#">00-338-5298</a>	6		234	3	2	<a href="#">26465</a>	DOVER CORP	\$2.49
5315	<a href="#">00-354-3087</a>	6		2-3-4	5	9	<a href="#">40152</a>	VME AMERICAS INC	\$106.73
5315	<a href="#">00-354-3087</a>	6	PII	12-3-4	5	9	<a href="#">26385</a>	CLARK EQUIPMENT	\$106.73



# Item Display

- **All related information brought back to the user, on one screen**

Contact Us | IHS Menu | Log Out

HAYSTACK

Database Reports About Help [Back To Search](#) [Back To Brief](#) [Back To Summary](#)

DETAILS/SUMMARY NSN: 5935-00-534-7553 [TAILOR](#) [QUICK REPORT](#)

This NIIN was also found in the following databases

[ProH](#) [Tech Char](#) [CTDF](#) [MOE](#) [I & S](#) [Govt Sol](#)

<a href="#">Related NIINs</a> <a href="#">Freight Data</a> <a href="#">Packaging Data</a> <a href="#">CTDF/WPS</a> <a href="#">QPD</a>  <a href="#">Request Quote from ISO Group</a>	<a href="#">ILSmart</a> <a href="#">Capabilities</a> <a href="#">DRMS</a> <a href="#">DOD EMAIL</a> <a href="#">NIIN/FLIS Images</a> <a href="#">Mntg Drawings</a> <a href="#">Next Higher Assembly</a> <a href="#">Parts List</a> <a href="#">Cancelled NSNs</a>  <a href="#">NFTD</a>	<a href="#">ARIL</a> <a href="#">LIRSH</a> <a href="#">GSA (external)</a> <a href="#">HMDF</a> <a href="#">MSDS</a>	<a href="#">US Army AMDF</a> <a href="#">US Army SB700</a> <a href="#">US Army Tech. Manuals</a>  <a href="#">USAF D200F</a> <a href="#">USAF D043</a> <a href="#">USAF D049</a> <a href="#">USAF ITIES</a> <a href="#">USAF MSD</a> <a href="#">USAF SNUD</a>	<a href="#">USN APL/AEL</a> <a href="#">USN CRF</a> <a href="#">USN MRTL</a> <a href="#">USN NICN To NIIN</a> <a href="#">USN NMDF</a> <a href="#">USN SPMIG</a> <a href="#">USN WUC</a> <a href="#">USN P2300/10/30 (NHA)</a> <a href="#">USN WUCS3</a>  <a href="#">USMC SL6-1</a> <a href="#">USMC SL6-2</a>
--	---	---	---	--

**FLIS HEADER (SEGMENT A)**

Item Name		CONNECTOR,PLUG,ELECTRICAL													
INC	FIG	CRIT	ISC	Status	TIC	RPDMRC	ADP	DEMIL	DEMIL Int. Code	HMIC	ESDEMI	PMI	HCC	Assign. Date	
01938	A039B0	X	B	0	1		0	A	1	P		A		1974 / 257	

**MASTER CROSS REFERENCE LIST (MCRL)** 52 RECORDS

Part No.	RNCC	RNVC	RNFC	RNJC	RNSC	RNAAC	SADC	DAC	HCC	MSDSID	CAGE	Name
<a href="#">0779</a>	C	1				TX	AF	5			07790	M S AND M MFG
<a href="#">1251-0038</a>	C	1				ZZ	AC	5			28480	HEWLETT PACKAR
<a href="#">208-3106F10SL3S100</a>	C	1				TX	AF	5			02660	AMPHENOL CORP
<a href="#">208-3106R10SL3S100</a>	C	1				TX	AF	5			02660	AMPHENOL CORP
<a href="#">357-4234-000</a>	C	1				ZZ	AC	5			13499	ROCKWELL COLLI
<a href="#">357-4579-080</a>	C	1				TX	AF	5			95105	ROCKWELL COLLI
<a href="#">414-0537-001</a>	C	1				TX	AF	5			94756	BOEING COMPANY
<a href="#">602-12504</a>	C	1				TX	AF	5			52515	ALTURDYNE CORP
<a href="#">810V10869</a>	5	2	4		A	ZR		1			A0199	OTO MELARA SPA
<a href="#">887303</a>	C	1				ZZ	AC	5			07342	NAI TECHNOLOGI



# Item Display - Definitions

- All presented data includes “decodes” for definitions

Contact Us | IHS Menu | Log Out

HAYSTACK

Database Reports About Help [Back To Search](#) [Back To Brief](#) [Back To Summary](#)

DETAILS/SUMMARY NSN: 5935-00-534-7553 [TAILOR](#) [QUICK REPORT](#)

This NIIN was also found in the following databases

[ProH](#) [Tech Char](#) [CTDF](#) [MOE](#) [I & S](#) [Govt Sol](#)

[Related NIINs](#) [ILSmart](#) [ARIL](#) [US Army AMDF](#) [USN APL/AEL](#)  
[Freight Data](#) [Capabilities](#) [LIRSH](#) [US Army SB700](#) [USN CRF](#)  
[Packaging Data](#) [DRMS](#) [GSA \(external\)](#) [US Army Tech. Manuals](#) [USN MRTL](#)  
[CTDF/WPS](#) [DOD EMAIL](#) [HMDF](#) [USN NICN To NIIN](#)  
[QPD](#) [NIIN/FLIS Images](#) [MSDS](#) [USAF D200F](#) [USN NMDF](#)  
[Mntg Drawings](#) [Next Higher Assembly](#) [USAF D043](#) [USN SPMIG](#)  
[Parts List](#) [Cancelled NSNs](#) [USAF D049](#) [USN WUC](#)  
[Request Quote from ISO Group](#) [USAF ITIES](#) [USN P2300/10/30 \(NHA\)](#)  
[USAF MSD](#) [USN WUCS3](#)  
[USAF SNUD](#) [USMC SL6-1](#)  
[NFTD](#) [USMC SL6-2](#)

FLIS HEADER (SEGMENT A)														
Item Name		CONNECTOR,PLUG,ELECTRICAL												
INC	FIG	CRIT	ISC	Status	TIIC	RPDMRC	ADP	DEMIL	DEMIL Int. Code	HMIC	ESDEMI	PMI	HCC	Assign. Date
01938	A039B0	X	B	0	1		0	A	1	P		A		1974 / 257

MASTER CROSS REFERENCE LIST (MCRL)													52 RECORDS	
Part No.		RNCC	RNVC	RNFC	RNJC	RNSC	RNAAC	SADC	DAC	HCC	MSDSID	CAGE	Name	
	0779	C	5		2	4				A	ZR		IS AND M MFG	
	1251-0038	C											BWLETT PACKAR	
	208-3106F10SL3S100	C	<b>Combined Meaning of the RIICC and RIIVC</b> A Secondary R/N, which is, Item Identifying. For Service applications, sometimes referred to as the secondary buy.											
	208-3106R10SL3S100	C												
	357-4234-000	C												
	357-4579-080	C												
	414-0537-001	C	5		2								CKWELL COLLI	
	602-12504	C	1										TURDYNE CORP	
	810V10869	B	2	4			A	ZR				A0199	OTO MELARA SPA	
	887303	C	1					ZZ	AC	B		07342	NAI TECHNOLOGI	



# Identify Sources of Supply

## Multiple sources of supply information

MASTER CROSS REFERENCE LIST (MCRL)												52 RECORDS		
		Part No.	RIICC	RINVC	RIIFC	RIJJC	RINSC	RIAAAC	SADC	DAC	HCC	MSDSID	CAGE	Name
		0779	C	1				TX	AF	5			07790	M S AND M MFG
		1251-0038												
		208-3106F10SL3S100												
		208-3106R10SL3S100												
		357-4234-000												
		357-4579-080												
		414-0537-001												
		602-12504												
		810VI0869												



Contact Us | IHS Menu | Log Out



Database Reports About Help [Back To Search](#) [Back To Brief](#) [Back To Summary](#)

QPD Display - QPL/QML Number: QML-19500 - [View Historical/Archived](#) [PDF](#)

The Qualification Dataset for the following governing specification was last updated on 20-APR-2012

QA	FSC	Doc Date	QPL/QML Number	Governing Spec	Doc Status	Title	QPL Notes
CC	5961	20-OCT-2010	QML-19500	MIL-PRF-19500	Active	Semiconductor Devices, General Specification for	<a href="#">Preamble</a> <a href="#">Footnotes</a>

QUALIFIED MANUFACTURERS LIST (MILITARY)  
OF  
PRODUCTS QUALIFIED UNDER DETAIL SPECIFICATION  
MIL-PRF-19500  
Semiconductor Devices, General Specification for

This list has been prepared for use by or for the Government in the acquisition of products covered by the subject specification and such listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the contractor from compliance with the specification requirements. THE ACTIVITY RESPONSIBLE FOR THIS QUALIFICATION DATASET is the DLA Land and Maritime - VQ, Columbus, OH 43218-3990.

DSCC supplemental information available at: <http://www.landandmaritime.dla.mil/programs/qmlqpl/QPLdetail.aspx?QPL=19500>

HITS: 26517 QPD DISPLAY PAGE: 1 OF 1768 PAGE SIZE: 15

[Refine Products Within This QPL](#) [Clear All Refinements](#) [Export Product List Data](#)

Government Designation:  NIIN:  Manufacturer's Designation:  Manufacturer's Name:  CAGE Code:

Government Designation	NSN	Manufacturer's Designation	Test or Qualification Reference	Manufacturer's Name	CAGE Code
2N2857	-	-	19500-3419-12	<input checked="" type="checkbox"/> MICROSEMI CORP. - MASSACHUSETTS	43611
<a href="#">JAN1N1124A</a>	5961008508449	-	19500-1895-07	<input checked="" type="checkbox"/> MICROSEMI CORP. - MASSACHUSETTS	43611
<a href="#">JAN1N1124A</a>	5961008508449	-	19500-2276-08	<input checked="" type="checkbox"/> MICROSEMI CORP. - MASSACHUSETTS	43611
<a href="#">JAN1N1124RA</a>	5961008429597	-	19500-1895-07	<input checked="" type="checkbox"/> MICROSEMI CORP. - MASSACHUSETTS	43611
<a href="#">JAN1N1124RA</a>	5961008429597	-	19500-2276-08	<input checked="" type="checkbox"/> MICROSEMI CORP. - MASSACHUSETTS	43611
<a href="#">JAN1N1126A</a>	5961008782737	-	19500-1895-07	<input checked="" type="checkbox"/> MICROSEMI CORP. - MASSACHUSETTS	43611



# Identify Sources of Supply

- Find manufacturers/distributors who have been qualified against military specifications

The Source for Critical Information and Insight™ Contact Us | IHS Menu | Log Out

Database Reports About Help Back To Search Back To Brief Back To Summary

QPD Display - QPL/QML Number: QML-19500 - [View Historical/Archived](#) PDF

The Qualification Dataset for the following governing specification was last updated on 20-APR-2012

QA	FSC	Doc Date	QPL/QML Number	Governing Spec	Doc Status	Title	QPL Notes
CC	5961	20-OCT-2010	QML-19500	<a href="#">MIL-PRF-19500</a>	Active	Semiconductor Devices, General Specification for	<a href="#">Preamble</a> <a href="#">Footnotes</a>  QML-19500 20-OCT-2010

**QUALIFIED MANUFACTURERS LIST (MILITARY)  
OF  
PRODUCTS QUALIFIED UNDER DETAIL SPECIFICATION  
MIL-PRF-19500  
Semiconductor Devices, General Specification for**

This list has been prepared for use by or for the Government in the acquisition of products covered by the subject specification and such listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the contractor from compliance with the specification requirements. THE ACTIVITY RESPONSIBLE FOR THIS QUALIFICATION DATASET is the DLA Land and Maritime - VQ, Columbus, OH 43218-3990.

DSCC supplemental information available at: <http://www.landandmaritime.dla.mil/programs/qmlqpl/QPLdetail.aspx?QPL=19500>

HITS: 26517 QPD DISPLAY PAGE: 1 OF 1768 PAGE SIZE: 15

[Refine Products Within This QPL](#) [Clear All Refinements](#) [Export Product List Data](#)

Government Designation	NIIN	Manufacturer's Designation	Manufacturer's Name	CAGE Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Government Designation	NSN	Manufacturer's Designation	Test or Qualification Reference	Manufacturer's Name	CAGE Code
<a href="#">2N2857</a>	-	-	19500-3419-12	<a href="#">MICROSEMI CORP. - MASSACHUSETTS</a>	<a href="#">43611</a>
<a href="#">JAN1N1124A</a>	<a href="#">5961008508449</a>	-	19500-1895-07	<a href="#">MICROSEMI CORP. - MASSACHUSETTS</a>	<a href="#">43611</a>
<a href="#">JAN1N1124A</a>	<a href="#">5961008508449</a>	-	19500-2276-08	<a href="#">MICROSEMI CORP. - MASSACHUSETTS</a>	<a href="#">43611</a>
<a href="#">JAN1N1124RA</a>	<a href="#">5961008429597</a>	-	19500-1895-07	<a href="#">MICROSEMI CORP. - MASSACHUSETTS</a>	<a href="#">43611</a>
<a href="#">JAN1N1124RA</a>	<a href="#">5961008429597</a>	-	19500-2276-08	<a href="#">MICROSEMI CORP. - MASSACHUSETTS</a>	<a href="#">43611</a>
<a href="#">JAN1N1126A</a>	<a href="#">5961008782737</a>	-	19500-1895-07	<a href="#">MICROSEMI CORP. - MASSACHUSETTS</a>	<a href="#">43611</a>



# Identify Sources of Supply

## □ View company information and locate contacts

[Contact Us](#) | [IHS Menu](#) | [Log Out](#)

[Database](#)   [Reports](#)   [About](#)   [Help](#)   [Back To Search](#)   [Back To Brief](#)   [Back To Summary](#)

EXPANDED SUPPLIER PROFILE (ESP) - SNAPSHOT VIEW [i](#)

[Web Links](#) | [CCR](#) | [CAGE H4/H8](#)

COMPANY INFORMATION	CONTACTS																
<p><b>AERO-ELECTRIC CONNECTOR INC.</b></p> <p>CAGE: 59976 D-U-N-S®: 01-155-6719</p> <p>2280 W 208TH ST TORRANCE, CA 90501-1472</p> <p>Business Type <a href="#">i</a> <b>Small Business</b></p> <p>Employees: 0000000000000625 Gross Revenue: \$32,000,000</p> <p>FLIS/TIR COUNTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NSN:</td> <td style="text-align: center;">182</td> <td>Parts:</td> <td style="text-align: center;">185</td> </tr> </table> <p>CURRENT PROC. HISTORY COUNTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NSN:</td> <td style="text-align: center;">1,510</td> <td>Total:</td> <td style="text-align: center;">6,472</td> </tr> </table> <p>ARCHIVED PROC. HISTORY COUNTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NSN:</td> <td style="text-align: center;">7,943</td> <td>Total:</td> <td></td> </tr> </table> <p>CAPABILITY LISTING COUNTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NSN:</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Parts:</td> <td style="text-align: center;">0</td> </tr> </table>	NSN:	182	Parts:	185	NSN:	1,510	Total:	6,472	NSN:	7,943	Total:		NSN:	0	Parts:	0	<p><b>Government Contact</b></p> <p>CHARLES GELM Q-MARK INC 8120 WASHINGTON VILLAGE DR. DAYTON, OH 45458 - USA <a href="mailto:cgelm@q-markrep.com">cgelm@q-markrep.com</a> Tel: (937) 438-8923 Fax: (937) 438-8974</p> <p><b>Government Contact</b></p> <p>BOBBE GENTILE Q-MARK INC 8120 WASHINGTON VILLAGE DR DAYTON, OH 45458 - USA <a href="mailto:BGentile@Q-Markrep.com">BGentile@Q-Markrep.com</a> Tel: (937) 438-8923 Fax: (937) 438-8974</p>
NSN:	182	Parts:	185														
NSN:	1,510	Total:	6,472														
NSN:	7,943	Total:															
NSN:	0																
Parts:	0																

**US GOVT. RECENT PROCUREMENT HISTORY SUMMARY** [i](#)


FSC	DESCRIPTION	TOTAL \$ 2009-2012	YEAR 2011		YEAR 2010		YEAR 2009	
			NIIN COUNT	AMOUNT	NIIN COUNT	AMOUNT	NIIN COUNT	AMOUNT
5935	Connectors, Electrical	\$7,527,571	454	\$2,957,060	655	\$2,530,603	655	\$1,979,549
xxxx		\$40,189	3	\$1,931	4	\$7,543	4	\$27,536
5999	Miscellaneous Electrical and Electronic Components	\$9,492	0	\$0	1	\$9,492	1	\$0

SUPPORTED CATEGORIES (FSC) <a href="#">i</a> <a href="#">+</a>			WEAPON SYSTEMS <a href="#">i</a> <a href="#">+</a>		
FSC	DESCRIPTION	NIIN HITS	SYSTEM	NICKNAME	NIIN HITS
5310	Nuts and Washers	1	C-130	HERCULES	366
5340	Hardware, Commercial	1	B-1	BOMBER	268
5120	Hand Tools, Nonedged, Nonpowered	1	MH-53E		185
5331	O-Ring	1	SH-60F		160
5999	Miscellaneous Electrical and Electronic	6	F-15	EAGLE	143



# Validate technical characteristics

- Use multiple information sources to determine item attributes



The Source for

FLIS HEADER (SEGMENT A) NSN: 5935-00-534-7553														
Item Name: CONNECTOR,PLUG,ELECTRICAL														
IIC	FIIG	CRIT	ISC	Status	TIIC	RPDMRC	ADP	DEMIL	DEMIL Int. Code	HMIC	ESEMI	PMI	HCC	Assign. Date
01938	A039B0	X	B	0	1		0	A	1	P		A		1974 / 257

**Database**


DETAILS/SUMMARY

This NIIN was also fo

ProH

Tech Ch

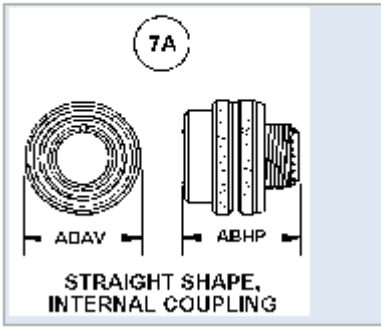
TECHNICAL CHARACTERISTICS (ILS) NSN : 5935-00-534-7553		
MRC	Requirements	Reply
AAJD	THREAD CLASS	2A AND 2B
AAJF	THREAD DIRECTION	RIGHT-HAND AND RIGHT-HAND
AAQL	BODY STYLE	STRAIGHT SHAPE, INTERNAL COUPLING
ABHP	OVERALL LENGTH	2.031 INCHES MAXIMUM
ADAV	OVERALL DIAMETER	0.969 INCHES MAXIMUM
ADZC	ENVIRONMENTAL PROTECTION	MOISTURE RESISTANT AND VIBRATION RESISTANT AND SALT WATER RESISTA
AFQR	THREADED DEVICE TYPE	BACK SHELL AND COUPLING FACILITY
AFQW	MATING END QUANTITY	1
AFQX	CONTACT POSITION ARRANGEMENT STYLE	10SL-3 SINGLE MATING END
AFQZ	CONTACT REMOVABILITY	REMOVABLE SINGLE MATING END SINGLE CONTACT GROUPING
AFRD	CONTACT MAXIMUM AC VOLTAGE RATING IN VOLTS	500.0 SINGLE MATING END SINGLE CONTACT GROUPING
AFRE	CONTACT MAXIMUM DC VOLTAGE RATING IN VOLTS	700.0 SINGLE MATING END SINGLE CONTACT GROUPING
AFRN	POLARIZATION METHOD	KEY, MULTIPLE KEY GROOVE
AFRP	INSERT POSITION IN DEG	0.0
AFRT	SHELL TYPE	SOLID
AFRV	CONNECTOR LOCKING METHOD	INTERNALLY THREADED COUPLING RING
AKMG	NOMINAL THREAD LENGTH	0.290 INCHES AND 0.375 INCHES
CQJX	NOMINAL THREAD SIZE	0.625 INCHES AND 0.625 INCHES
CQTM	TERMINAL LOCATION	BACK SINGLE MATING END SINGLE CONTACT GROUPING
CQZG	INSERT MATERIAL	PLASTIC SILICONE MINERAL FILLED SINGLE MATING END
CSCF	TERMINAL TYPE	CRIMP SINGLE MATING END SINGLE CONTACT GROUPING
CSPT	SHELL MATERIAL	ALUMINUM ALLOY
CSWM	SHELL SURFACE TREATMENT	CADMIUM
CTBC	SHELL SURFACE TREATMENT DOCUMENT AND CLASSIFICATION	QQ-P-416,TY 2,CL 3 FED SPEC SINGLE TREATMENT RESPONSE
CXCG	INCLUDED CONTACT QUANTITY	3 SINGLE MATING END SINGLE CONTACT GROUPING
CXCL	INCLUDED CONTACT TYPE	ROUND SOCKET SINGLE MATING END SINGLE CONTACT GROUPING
FEAT	SPECIAL FEATURES	IN ORDER TO COMPLETE THE CONNECTOR ASSEMBLY,THE USER MUST OBTAIN/PROVIDE THE BACKSHELL. STANDARD VERSIONS MAY BE ORDERED AS NSN 5935-01-179-5430,P/N M85049/52-1-10W FOR THE STRAIGHT STYLE,OR NSN 5935-01-171-5758,P/N M85049/51-1-10W FOR THE RIGHT ANGLESTYLE



The Source for Critical Infor

**Database**

FIIG IMAGE(S) FOR NIIN: 005347553





# Validate technical characteristics/standards

- Use multiple information sources to determine item attributes



The Source for Critical Information and Insight™

Database Reports About Help

DETAILS/SUMMARY NSN: 5935-00-534-7553

This NIIN was also for [ProH](#) [Tech Cha](#)

**CONTRACT TECHNICAL DATA FILE**

**PID - Procurement Item Description**

CONNECTOR, PLUG, ELECTRICAL CON...  
 IN ORDER TO COMPLETE THE CONNE...  
 ORDERED AS NSN 5935-01-179-5430, F...  
 M85049/51-1-10W FOR THE RIGHT AN...  
 THE USE OF ANY CLASS I OZONE-DEP...  
 PROCESS FOR THIS ITEM UNDER ANY...  
 DESCRIPTION IS "PROHIBITED" UNLES...  
 PROHIBITION SUPERSEDES ALL SPEC...  
 REQUIREMENTS.  
 THIS DOES NOT APPLY TO COMMERC...  
 FULL AND OPEN COMPETITION APPL...  
 IF THE APPLICABLE (OEM OR MILITA...  
 AN ACCEPTABLE QUALITY LEVEL (A...  
 ACCEPT REJECT CRITERIA IS ACCEP...  
 (0) DEFECTS AND REJECT THE ENTIRE...  
 REMAINS THE SAME.  
 DLAD 52.246-9004, PRODUCT VERIFICATION TESTING, APPLIES. THIS CLAUSE IS A GOVERNMENT OPTION THAT CAN ONLY BE INVOKED UPON THE COGNIZANT CONTRACT ADMINISTRATION OFFICE NOTIFYING THE CONTRACTOR THAT PVT SAMPLES ARE TO BE SELECTED.

Doc No: MIL-DTL-5015H SUPP 1 | Date: 05/18/2000 | Status: Revised » Not Current Version

View Document Document Details Related Documents FLIS

Recently Viewed

- ATA/NAS NAS2852-2860
- SAE AS3353
- SAE AS1381C
- A-A-305
- MS20365 REV C
- more...

Revision Group

- MIL-DTL-5015H SUPP 1
- MIL-DTL-5015H

Related Documents

References:

- AN3111 CANG NOTICE 3
- MS29042 REV K CANG NOTICE 2
- MS29043 REV K CANG NOTICE 2
- MS25183 REV C CANG NOTICE 3
- MS27488 REV N
- MS28900 REV A VALID NOTICE 2
- MS3100 REV F CANG NOTICE 2
- MS3101 REV D CANG NOTICE 2
- MS3102 REV E CANG NOTICE 2
- MS3103 REV D CANG

INCH-POUND

MIL-DTL-5015H  
SUPPLEMENT 1  
18 May 2000

DETAIL SPECIFICATION

CONNECTORS, ELECTRICAL, CIRCULAR THREADED, AN TYPE  
GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-DTL-5015H, dated 18 May 2000.

PSDT - SPECIFICATION/DRAWING/STANDARD DATA OR PID/SPECS

Source	Type	Document Number	Ref	Document Date	Amdt No	Amdt Date	Specification
S9E	S	MIL-DTL-5015H AND SUPP 1	B	5/18/2000			MS3456W10SL3S
S9E	T	MS3456D	R	3/23/1976			MS3456W10SL3S





# Search by characteristics

## ❑ Use known information to find like parts

FEDERAL LOGISTICS INFORMATION SEARCH

Enter search criteria. Use % or \* as a wildcard to replace multiple characters.

Part Number

NSN/NTIS Number

Item Name

CAGE Code

Vendor Name

Technical Characteristics

Criteria

Criteria

Criteria

Criteria

[Drill-Down](#)

The Source for Critical Information and Insight™

Contact Us | IHS Menu | Log Out

Database Reports About Help

**CHARACTERISTICS SEARCH WIZARD**

Search Criteria (other than Drill-down Char. Search):  
**Item Name keyword(s): ELECTRICAL CONNECTOR**  
**Free-Form Char. Search:**  
1: ALUMINUM+6063

283 NIINs match above criteria and Characteristic Search criteria

QUESTIONS LIST: (75 QUESTIONS)

FILTER:

MRC		
<a href="#">AFQP</a>	BOARD ACCOMMODATED LENGTH	
<a href="#">AFQV</a>	BOARD ACCOMMODATED WIDTH	
<a href="#">ADAU</a>	BODY HEIGHT	
<a href="#">ADAQ</a>	BODY LENGTH	
<a href="#">AAQL</a>	BODY STYLE	
<a href="#">ADAT</a>	BODY WIDTH	
<a href="#">ABKQ</a>	CENTER TO CENTER DISTANCE BETWEEN MOUNTING HOLES	
<a href="#">KZTS</a>	COGNIZANT SERVICE	
<a href="#">HUES</a>	COLOR	
<a href="#">AFRV</a>	CONNECTOR LOCKING METHOD	
<a href="#">CQTZ</a>	CONTACT MATERIAL	

CHARACTERISTICS SEARCH WIZARD  
QUESTION: TERMINAL TYPE (19 DIFFERENT REPLIES. PAGE 1 OF 1)

Replies Filter:  Filter Page Size: 25 NIIN Count

- CRIMP SINGLE MATING END 1ST CONTACT GROUPING 1
- CRIMP SINGLE MATING END SINGLE CONTACT GROUPING 2
- PIN 14
- PIN SINGLE MATING END 1ST CONTACT GROUPING 1
- PIN SINGLE MATING END 2ND CONTACT GROUPING 1
- PIN SINGLE MATING END SINGLE CONTACT GROUPING 94
- PRINTED CIRCUIT SINGLE MATING END ALL CONTACT GROUPINGS 10
- PRINTED CIRCUIT SINGLE MATING END SINGLE CONTACT GROUPING 24
- SCREW W/WIRE LOCK 1
- SOLDER STUD SINGLE MATING END ALL CONTACT GROUPINGS 4
- SOLDER WELL 65
- SOLDER WELL SINGLE MATING END ALL CONTACT GROUPINGS 4
- SOLDER WELL SINGLE MATING END SINGLE CONTACT GROUPING 11
- TAB, SOLDER LUG SINGLE MATING END SINGLE CONTACT GROUPING 3
- TAB, SURFACE SINGLE MATING END SINGLE CONTACT GROUPING 2
- TAPERED PIN 2
- TAPERED PIN SINGLE MATING END SINGLE CONTACT GROUPING 2
- WIRE WRAP ALL MATING ENDS ALL CONTACT GROUPINGS 1
- WIRE WRAP SINGLE MATING END SINGLE CONTACT GROUPING 12

A maximum of 254 NIINs match all previous criteria and have at least one reply for this question. Select one or more Replies and click 'Add to Search' button to proceed with search.

[Add to Search](#) [Cancel](#) [Reset](#) [Help](#)



# Pricing and Procurement Data

## ❑ Determine pricing and alternate suppliers

DETAILS/SUMMARY NSN: 5935-00-534-7553

This NIIN was also found in the following databases

FLIS HEADER (SEGMENT A)		NSN: 5935-00-534-7553													
Item Name		CONNECTOR,PLUG,ELECTRICAL													
IIIC	FIIG	CRIT	ISC	Status	TIIC	RPMRC	ADP	DEMIL	DEMIL Int. Code	HMIC	ESDEMI	PMI	HCC	Assign. Date	
01938	A039B0	X	B	0	1		0	A	1	P		A		1974 / 257	

HITS: 25		PROCUREMENT HISTORY		NSN: 5935-00-534-7553		PAGE: 1 OF 2		ARCHIVED						
NIIN	Date	Contract No	X1	X2	X3	SOS	Qty	Price	Total	UI	CAGE	Vendor		
00-534-7553	2011/9	SPM7M111MVQ53	0001			DLA	587	10.66	6,257.42	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVP14	0003			DLA	431	10.73	4,624.63	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVP14	0002			DLA	129	10.73	1,384.17	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVP14	0001			DLA	87	10.73	933.51	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVM58	0004			DLA	655	10.89	7,132.95	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVM58	0003			DLA	89	10.89	969.21	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVM58	0002			DLA	25	10.89	272.25	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/8	SPM7M111MVM58	0001			DLA	20	10.89	217.80	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/7	SPM7M111VM947	0001			DLA	4	10.87	43.48	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/7	SPM7M111VM947	0002			DLA	29	10.87	315.23	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/7	SPM7M111VM947	0003			DLA	491	10.87	5,337.17	EA	1R6R9	CORSAIR ELEC		
00-534-7553	2011/6	SPM7M111MVK30	0001			DLA	100	10.97	1,097.00	EA	59976	AERO-ELECTRI		
00-534-7553	2011/6	SPM7M111MVK30	0002			DLA	260	10.97	2,852.20	EA	59976	AERO-ELECTRI		
00-534-7553	2011/6	SPM7M111MVK30	0003			DLA	350	10.97	3,839.50	EA	59976	AERO-ELECTRI		
00-534-7553	2011/5	SPM7M111MVJ27	0003			DLA	803	11.05	8,873.15	EA	1R6R9	CORSAIR ELEC		



# Audit Previous Awards

## ❑ Awards Database

- Provides users the ability to search and research awards as well as manipulate/match data between Procurement History and Awards databases.
- Provides information for those cases where zero dollar amounts and quantities have been provided in Procurement History due to the FOIA law pertaining to competitive issues.
- Daily updates.

Database	Reports	About	H
FLIS/TIR			
Procurement History	ed to replace multiple characters, or underscore		
Vendor/CAGE (H4/H8)			
Other Databases	Govt. Solicitations		
Electronic Components	Government Awards		
	FAA PMA		
US Air Force	ProH: Mil. <input type="text" value="Government Awards Search"/>		R
US Army	ProH: ICARS		R
US Navy	Manufacturer's Drawings		
US Marine Corps	DODAAC		
	DODIC (Ammo)		
Super Search	MSDS		
Visual Search	QML/QPL (Historical)		



# Awards Data



[Contact](#)

Database	Reports	About	Help	<a href="#">Back To Search</a>		
<b>GOVERNMENT AWARDS SEARCH</b> Enter search criteria. Use % or *   <b>Databases</b>  <b>HITS: 2 GOVERNMENT</b> <a href="#">Modify Search</a>   <b>Databases</b>  <b>AWARD DETAILS</b> Contract Number Solicitation Number Purchase Request Number  Priority Rating Issued By Administered By	<b>ORDER FOR SUPPLIES OR SERVICES</b> <i>(Contractor must submit four copies of invoice.)</i>			Form Approved OMB No. 0704-0187 Expires Jun 30, 1997	PAGE 1 OF <b>8</b>	
	Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0187), Washington, DC 20503.					<a href="#">Log Out</a>  <a href="#">Back To Summary</a>
	<b>PLEASE DO NOT RETURN YOUR FORM TO EITHER OF THESE ADDRESSES.</b> <b>SEND YOUR COMPLETED FORM TO THE PROCUREMENT OFFICIAL IDENTIFIED IN ITEM 6.</b>					
	1. CONTRACT/PURCH ORDER NO. <b>SPM7M1-11-M-VP14</b>		2. DELIVERY ORDER NO.		3. DATE OF ORDER (YYMMDD) <b>2011 AUG 30</b>	
	4. REQUISITION/PURCH REQUEST NO. <b>0042742988</b>			5. PRIORITY <b>DOC9</b>		
	6. ISSUED BY <b>DLA LAND AND MARITIME MARITIME SUPPLY CHAIN            PO BOX 3990            COLUMBUS OH 43218-3990            Local Administrator: PNCMSF3 (614)692-9797 / FAX: (614)693-1605            E-mail: janeisha.mitchell@dla.mil</b>			7. ADMINISTERED BY (If other than 6) <b>DLA LAND AND MARITIME MARITIME SUPPLY CHAIN            PO BOX 3990            COLUMBUS OH 43218-3990</b>		8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER <i>(See Schedule if other)</i>
	9. CONTRACTOR <b>CORSAIR ELECTRICAL CONNECTORS, INC.            17100 MURPHY AVE            IRVINE CA 92614-5916            US</b>			CRITICALITY: C		11. MARK IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
	10. DELIVER TO FOB POINT BY (Date) (YYMMDD) <b>150 DAYS ADO</b>			12. DISCOUNT TERMS <b>NET 30 days</b>		
	13. MAIL INVOICES TO <b>See Block 15</b>					
	14. SHIP TO <b>See Schedule - Do Not Ship to Address in Block 6</b>			15. PAYMENT WILL BE MADE BY <b>DFAS BVDP (SL4701)            P.O. BOX 369031            COLUMBUS OH 43236-9031</b>  EFT: T		
16. DELIVERY TYPE OF PURCHASE <input checked="" type="checkbox"/> X This delivery order is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract. Reference your <b>offer dated 2011 AUG 11, Q-1063</b> and furnish the following on terms specified herein. <b>ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.</b>						
<b>ASSOCIATED NIIN LIST</b>						
<b>LIN</b>	<b>FSC</b>	<b>NIIN</b>	<b>Nomenclature</b>	<b>Quantity</b>	<b>UI</b>	
	5935	00-534-7553	CONNECTOR,PLUG,ELECTRICAL	647		

[Log Out](#)  
  
[Back To Summary](#)

[Log Out](#)  
  
[Back To Summary](#)

(4)692-9797 / FAX: (614)



# Locate Government Solicitations

The screenshot displays the IHS website interface for locating government solicitations. The main navigation bar includes 'Database', 'Reports', 'About', and 'Help'. The search results page shows a list of solicitations with columns for Solicitation Number, NIIN or NSN, and Purpose. A detailed view of a specific solicitation is shown, including its title, agency, opening date, and associated NIIN list.

**SOLICITATION**

Solicitation Number	208900LT
PR Number	
Agency	
Office Information	
Opening Date	4/27/2012
Solicitation	

**ASSOCIATED NIIN LIST**

LIN	FSC	NIIN
	5962	01-371-8679

**RELATED SPECIFICATIONS, STANDARDS AND DRAWINGS**

Doc. Type	Document ID
Drawing	676-9868

[Copyright](#) | [Privacy](#) | [Legal](#)

**59--DIGITAL MICROCIRCUIT - 208900LT - Federal Business Opportunities: Opportunities - Windows...**

https://www.fbo.gov/index?s=op... Identified by Entrust

FEDBIZOPPS.GOV Federal Business Opportunities

Home | Getting Started | General Info | Opportunities | Agencies

Buyers: [Login](#) | [Register](#) Vendors: [Login](#) | [Register](#)

**59--DIGITAL MICROCIRCUIT**  
Solicitation Number: 208900LT  
Agency: Department of the Army  
Office: FedBid  
Location: FedBid.com -- for Department of Army procurements only

Notice Details | Packages | Interested Vendors List



# Flexible Reporting Tools

5935	<a href="#">00-534-7556</a>	B	<a href="#">P</a> <a href="#">T</a> <a href="#">C</a> <a href="#">G</a> <a href="#">ISO</a>	CONNECTOR,PLUG,E	MIL-C-5015	4	1	<a href="#">81349</a>	MILITARY SPECIFI
5935	<a href="#">00-534-7556</a>	B	<a href="#">P</a> <a href="#">T</a> <a href="#">C</a> <a href="#">G</a> <a href="#">ISO</a>	CONNECTOR,PLUG,E	MS3456W28-21P	2	2	<a href="#">96906</a>	MILITARY STANDAR

<< First < Prev Next > Last >> **Print/List** **Tailor**

[Contact Us](#) | [IHS Menu](#) | [Log Out](#)

or Critical Information and Insight™



**Reports** **About** **Help**

[Back To Search](#) [Back To Brief](#) [Back To Summary](#)

NSN: 5935-00-534-7553

**TAILOR** **QUICK REPORT**

found in the following databases

[Char](#) [CTDF](#) [MOE](#) [I & S](#) [Govt Sol](#)



The Source for Critical Information and Insight™

**Database** **Reports** **About** **Help**

DETAILS/SUMMARY NSN: 5935- **Batch Setup**

This NIIN was also found in the **Batch Status**

Batch processing for lists of NIINs, Part Numbers, etc.



# Flexible Reporting Tools - BatchPlus

**BATCHPLUS SETTINGS** BATCH UPLOAD BATCH I

Fields marked with an asterisk (\*) are required

**Batch Settings**

Title

Description

**Search Options**

Database  \*

Search Fields  \*

Input File Name  Browse... \* OR >> [Manually Enter Search Terms](#)

The input file must be a text file with one search key or group of search keys (e.g., CAGE + Part Number) per line. [Example](#)

Exact Part Number Matching (with punctuation)  Include my search terms in the report

**Output Options**

Format  \*

Output File Name  (include an extension)

Archive Type

**Run Batch**

Save batch in

[Show Hints](#) [NEW: BatchPLUS Tutorial](#)



# Flexible Reporting Tools – Custom Output



**REPORT DESIGNER SETTINGS**

Database: Fed  
Report Name: MyC  
Description: Cust

Show Headers

Header1:   
Header2:   
Header3:

Note: Headers apply only to F

Type: MS  
Field Separator: Com  
Text Delimiters: Dou  
Record Delimiters: CR/

Note: Text delimiters apply to

**REPORT DATA LAYOUT**

**SELECTED SECTIONS/FIELDS**

- FLIS Report Definition
  - Segment A
    - NIIN
    - FSC
    - INC
    - Item Name
    - FIIG
    - CRIT
    - ISC
    - Status
    - RPDMRC
    - DEMIL
    - DEMIL Int. Code
    - HMIC
    - ESD
    - PMIC
    - ADPEC
    - Source
  - Technical Characteristics (Seg M/V)
    - NIIN
    - FSC
    - MSD

**AVAILABLE SECTIONS/FIELDS**

- Segment A
- MCRL (Master Cross Reference List)
- MLC (Management data)
- MLC Phrase Statements
- MOE Rule (Seg B)
- Freight Data (Segment G)
- Packaging Data (Segment W)
- Technical Characteristics (Seg M/V)
- Procurement History
- Procurement History Archive
- CTDF PID Option B
- CTDF PSDT
- CTDF Weapon Systems
- AMDF (Army Master Data File)
- MRIL

Buttons: << Add After, << Add Default, Remove >>, Remove All >>

Buttons: Sections, Fields

Buttons: Save, Close





# Flexible Reporting Tools – Custom Output

The screenshot displays two overlapping windows. The top window is Adobe Reader showing a PDF report titled "Federal Logistics Information Service Report". The report content includes:

**NIIN**  
00-534-7553

**Segment A**

NIIN	FSC	INC	Item Name	FIG	CRIT	ISC	Status	RPDMRC	DEMIL	DEMIL Int. Code	HMIC	ESD	PMIC
00-534-7553	5935	01938	CONNECTOR,PLUG,ELECTRICAL	A039B0 X	B	0			A	1	P		A

The bottom window is Microsoft Excel, displaying the data from the report in a table. The active cell is B11, containing the formula `'MS3456W10SL3S`.

	A	B	C	D	E	F	G	H
1	NIIN	Part_No	CAGE	RNFC	RNVC	RNCC	DAC	Company
2	005347553	MS3106A10SL3SC	96906		9	5	3	MILITARY STANDARDS PROMULGATED BY MILITARY DEPARTMENTS UNDER AUTHORITY
3	005347553	208-3106F10SL3S100	02660		1	C	6	AMPHENOL CORP SPECTRA-STRIP/ITD
4	005347553	887303	07342		1	C	6	NAI TECHNOLOGIES INC
5	005347553	MS3406R10SL3S	96906		9	5	3	MILITARY STANDARDS PROMULGATED BY MILITARY DEPARTMENTS UNDER AUTHORITY
6	005347553	GC15B9A10SL3S	26512		8	E	A	NORTHROP GRUMMAN SYSTEMS CORPORATION DIV NORTHROP GRUMMAN AEROSPACE
7	005347553	9446A10SL-3S	14283		1	C	6	AMPHENOL OPTIMIZE MANUFACTURING CO.DIV AMPHENOL AEROSPACE OPERATIONS
8	005347553	9446A10SL-3SN	14283		1	C	6	AMPHENOL OPTIMIZE MANUFACTURING CO.DIV AMPHENOL AEROSPACE OPERATIONS



Questions?

---

*Thank-you!*