

FEC FORM 3X

REPORT OF RECEIPTS AND DISBURSEMENTS

For Other Than An Authorized Committee

Office Use Only

1. NAME OF COMMITTEE (in full) **USE FEC MAILING LABEL OR TYPE OR PRINT** Example: If typing, type over the lines
Applied Signal Technology, Inc., PAC (AST PAC)

ADDRESS (number and street) 400 West California Avenue
 Check if different than previously reported. (ACC)
Sunnyvale CA 94086

2. **FEC IDENTIFICATION NUMBER** C00425389
3. IS THIS REPORT NEW (N) **OR** AMENDED (A)

4. **TYPE OF REPORT** (Choose One)
(a) Quarterly Reports:
 April 15 Quarterly Report(Q1)
 July 15 Quarterly Report(Q2)
 October 15 Quarterly Report(Q3)
 January 31 Quarterly Report(YE)
 July 31 Mid-Year Report(Non-election Year Only) (MY)
 Termination Report (TER)
(b) Monthly Report Due On:
 Feb 20 (M2) May 20 (M5) Aug 20 (M8) Nov 20 (M11) (Non-Election Year Only)
 Mar 20 (M3) Jun 20 (M6) Sep 20 (M9) Dec 20 (M12) (Non-Election Year Only)
 Apr 20 (M4) Jul 20 (M7) Oct 20 (M10) Jan 31 (YE)
(c) 12-Day **PRE**-Election Report for the:
 Primary (12P) General (12G) Runoff (12R)
 Convention (12C) Special (12G)
Election on _____ in the State of _____
(d) 30-Day **Post**-Election Report for the:
 General (30G) Runoff (30R) Special (30S)
Election on _____ in the State of _____

5. Covering Period 01 01 2010 through 03 31 2010

I certify that I have examined this Report and to the best of my knowledge and belief it is true, correct and complete.
Type or Print Name of Treasurer Steven G. Churchwell
Signature of Treasurer Electronically Filed by Steven G. Churchwell Date 04 15 2010

NOTE : Submission of false, erroneous, or incomplete information may subject the person signing this Report to the penalties of 2 U.S.C 437g.

Office Use Only **FEC FORM 3X** (Rev. 12/2004)

SUMMARY PAGE
OF RECEIPTS AND DISBURSEMENTS

Write or Type Committee Name
Applied Signal Technology, Inc., PAC (AST PAC)

Report Covering the Period: From: To:

	COLUMN A This Period	COLUMN B Calendar Year-to-Date
6. (a) Cash on Hand January 1 <input type="text" value="2010"/>		3686.00
(b) Cash on Hand at Beginning of Reporting Period	3686.00	
(c) Total Receipts (from Line 19)	4860.00	4860.00
(d) Subtotal (add lines 6(b) and 6(c) for Column A and Lines 6(a) and 6(c) for Column B)	8546.00	8546.00
7. Total Disbursements (from Line 31)	3105.89	3105.89
8. Cash on Hand at Close of Reporting Period (subtract Line 7 from Line 6(d))	5440.11	5440.11
9. Debts and Obligations owed TO the committee (Itemize all on Schedule C and/or Schedule D)	0.00	
10. Debts and Obligations owed BY the committee (Itemize all on Schedule C and/or Schedule D)	0.00	

This Committee has qualified as a multicandidate committee. (see FEC FORM 1M)

For further information contact:

Federal Election Commission
999 E street, NW
Washington, DC 20463

Toll Free 800-424-9530
Local 202-694-1100

FEC Form 3X (Rev. 06/2004)

Write or Type Committee Name

Applied Signal Technology, Inc., PAC (AST PAC)

Report Covering the Period: From: To:

I. Receipts	COLUMN A Total This Period	COLUMN B Calendar Year-to-Date
11. Contributions (other than loans) From:		
(a) Individuals/Persons Other Than Political Committees		
(i) Itemized (use Schedule A)	4800.00	4800.00
(ii) Unitemized	60.00	60.00
(iii) TOTAL (add Lines 11(a)(i) and (ii)	4860.00	4860.00
(b) Political Party Committees	0.00	0.00
(c) Other Political Committees (such as PACs)	0.00	0.00
(d) Total Contributions (add Lines 11(a)(iii),(b) and (c)) (Carry Totals to Line 33, page 5)	4860.00	4860.00
12. Transfers From Affiliated/Other Party Committees	0.00	0.00
13. All Loans Received	0.00	0.00
14. Loan Repayments Received	0.00	0.00
15. Offsets To Operating Expenditures (Refunds, Rebates, etc.) (Carry Totals to Line 37, page 5)	0.00	0.00
16. Refunds of Contributions Made to Federal candidates and Other Political Committees	0.00	0.00
17. Other Federal Receipts (Dividends, Interest, etc.)	0.00	0.00
18. Transfers from Non-Federal and Levin Funds		
(a) Non-Federal Account (from Schedule H3)	0.00	0.00
(b) Levin Funds (from Schedule H5)	0.00	0.00
(c) Total Transfer (add 18(a) and 18(b)).	0.00	0.00
19. Total Receipts (add Lines 11(d), 12, 13, 14, 15, 16, 17, and 18(c))	4860.00	4860.00
20. Total Federal Receipts (subtract Line 18(c) from Line 19)	4860.00	4860.00

DETAILED SUMMARY PAGE

of Disbursements

FEC Form 3X (Rev. 02/2003)

II. DISBURSEMENTS	COLUMN A Total This Period	COLUMN B Calendar Year-to-Date
21. Operating Expenditures:		
(a) Shared Federal/Non-Federal Activity (from Schedule H4)		
(i) Federal Share.....	0.00	0.00
(ii) Non-Federal Share.....	0.00	0.00
(b) Other Federal Operating Expenditures.....	105.89	105.89
(c) Total Operating Expenditures (add 21(a)(i), (a)(ii) and (b))..... ▶	105.89	105.89
22. Transfers to Affiliated/Other Party Committees.....	0.00	0.00
23. Contributions to Federal Candidates/Committees and Other Political Committees.....	3000.00	3000.00
24. Independent Expenditure (use Schedule E)	0.00	0.00
25. Coordinated Expenditures Made by Party Committees (2 U.S.C. 441a(d)) (use Schedule F).....	0.00	0.00
26. Loan Repayments Made.....	0.00	0.00
27. Loans Made.....	0.00	0.00
28. Refunds of Contributions To:		
(a) Individuals/Persons Other Than Political Committees	0.00	0.00
(b) Political Party Committees	0.00	0.00
(c) Other Political Committees (such as PACs)	0.00	0.00
(d) Total Contribution Refunds (add Lines 28(a), (b), and (c))	0.00	0.00
29. Other Disbursements.....	0.00	0.00
30. Federal Election Activity (2 U.S.C 431(20))		
(a) Shared Federal Election Activity (from Schedule H6)		
(i) Federal Share	0.00	0.00
(ii) "Levin" Share	0.00	0.00
(b) Federal Election Activity Paid Entirely With Federal Funds	0.00	0.00
(c) Total Federal Election Activity (add Lines 30(a)(i), 30(a)(ii) and 30(b))....	0.00	0.00
31. Total Disbursements (add Lines 21(c), 22, 23, 24, 25, 26, 27, 28(d), 29 and 30(c))..	3105.89	3105.89
32. Total Federal Disbursements (subtract Line 21(a)(ii) and Line 30(a)(ii) from Line 31).....	3105.89	3105.89

DETAILED SUMMARY PAGE
of Disbursements

FEC Form 3X (Rev. 02/2003)

III. Net Contributions/Operating Expenditures	COLUMN A Total This Period	COLUMN B Calendar Year-to-Date
33. Total Contributions (other than loans) from Line 11(d), page 3)	4860.00	4860.00
34. Total Contribution Refunds (from Line 28(d))	0.00	0.00
35. Net Contributions (other than loans) (subtract Line 34 from Line 33)	4860.00	4860.00
36. Total Federal Operating Expenditures (add Line 21(a)(i) and Line 21(b)).....	105.89	105.89
37. Offsets to Operating Expenditures (from Line 15, page 3)	0.00	0.00
38. Net Operating Expenditures (subtract Line 37 from Line 36)	105.89	105.89

SCHEDULE A (FEC Form 3X) ITEMIZED RECEIPTS

Use separate schedule(s)
for each category of the
Detailed Summary Page

FOR LINE NUMBER: PAGE 6 / 10
(check only one)

<input checked="" type="checkbox"/> 11a	<input type="checkbox"/> 11b	<input type="checkbox"/> 11c	<input type="checkbox"/> 12
<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16
			<input type="checkbox"/> 17

Any information copied from such Reports and Statements may not be sold or used by any person for the purpose of soliciting contributions or for commercial purposes, other than using the name and address of any political committee to solicit contributions from such committee.

NAME OF COMMITTEE (In Full)
Applied Signal Technology, Inc., PAC (AST PAC)

A.

Full Name (Last, First, Middle Initial)
Julie Andersson

Mailing Address 2089 Indian Summer Lane

City State Zip Code
Vero Beach FL 32963

FEC ID number of contributing federal political committee. **C**

Name of Employer Harris Cotherman Jones Pr-ice & Assoc.
Occupation Finance Manager

Receipt For:
 Primary General
 Other (specify) ▼

Aggregate Year-to-Date ▼
1000.00

Date of Receipt
MM / DD / YYYY
01 / 14 / 2010

Transaction ID: INC.A.107

Amount of Each Receipt this Period
1000.00

B.

Full Name (Last, First, Middle Initial)
Mark Maclaren Andersson

Mailing Address 2089 Indian Summer Lane

City State Zip Code
Vero Beach FL 32963

FEC ID number of contributing federal political committee. **C**

Name of Employer Applied Signal Technology
Occupation Chief Operating Officer

Receipt For:
 Primary General
 Other (specify) ▼

Aggregate Year-to-Date ▼
1000.00

Date of Receipt
MM / DD / YYYY
01 / 14 / 2010

Transaction ID: INC.A.106

Amount of Each Receipt this Period
1000.00

C.

Full Name (Last, First, Middle Initial)
Roger W. Anderson

Mailing Address 7710 Woodmont Avenue

City State Zip Code
Bethesda MD 20814

FEC ID number of contributing federal political committee. **C**

Name of Employer Applied Signal Technology, Inc.
Occupation Vice President

Receipt For:
 Primary General
 Other (specify) ▼

Aggregate Year-to-Date ▼
400.00

Date of Receipt
MM / DD / YYYY
02 / 04 / 2010

Transaction ID: INC.A.114

Amount of Each Receipt this Period
100.00

SUBTOTAL of Receipts This Page (optional) ► **2100.00**

TOTAL This Period (last page this line number only) ►

SCHEDULE A (FEC Form 3X) ITEMIZED RECEIPTS

Use separate schedule(s)
for each category of the
Detailed Summary Page

FOR LINE NUMBER: PAGE 7 / 10
(check only one)

<input checked="" type="checkbox"/> 11a	<input type="checkbox"/> 11b	<input type="checkbox"/> 11c	<input type="checkbox"/> 12
<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16 <input type="checkbox"/> 17

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NAME OF COMMITTEE (In Full)
Applied Signal Technology, Inc., PAC (AST PAC)

A.

Full Name (Last, First, Middle Initial)
John F. Pesaturo

Mailing Address 965 Placid Court

City State Zip Code
Arnold MD 21012

FEC ID number of contributing federal political committee. C

Name of Employer Applied Signal Technology, Inc. Occupation Vice President

Receipt For: Primary General Other (specify) ▼

Aggregate Year-to-Date ▼ 400.00

Date of Receipt MM / DD / YYYY
02 / 04 / 2010

Transaction ID: INC.A.115

Amount of Each Receipt this Period 100.00

B.

Full Name (Last, First, Middle Initial)
John R. Treichler

Mailing Address 12692 Roble Veneno Lane

City State Zip Code
Los Altos Hills CA 94022

FEC ID number of contributing federal political committee. C

Name of Employer Applied Signal Technology, Inc. Occupation Chief Technical Manager

Receipt For: 2010 Primary General Other (specify) ▼

Aggregate Year-to-Date ▼ 2000.00

Date of Receipt MM / DD / YYYY
02 / 04 / 2010

Transaction ID: INC.A.111

Amount of Each Receipt this Period 2000.00

C.

Full Name (Last, First, Middle Initial)
Roger W. Anderson

Mailing Address 7710 Woodmont Avenue

City State Zip Code
Bethesda MD 20814

FEC ID number of contributing federal political committee. C

Name of Employer Applied Signal Technology, Inc. Occupation Vice President

Receipt For: Primary General Other (specify) ▼

Aggregate Year-to-Date ▼ 400.00

Date of Receipt MM / DD / YYYY
02 / 18 / 2010

Transaction ID: INC.A.117

Amount of Each Receipt this Period 100.00

SUBTOTAL of Receipts This Page (optional) 2200.00

TOTAL This Period (last page this line number only)

**SCHEDULE A (FEC Form 3X)
ITEMIZED RECEIPTS**

Use separate schedule(s) for each category of the Detailed Summary Page	FOR LINE NUMBER: (check only one)	PAGE 8 / 10
	<input checked="" type="checkbox"/> 11a <input type="checkbox"/> 11b <input type="checkbox"/> 11c <input type="checkbox"/> 12	
	<input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17	

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NAME OF COMMITTEE (In Full)
Applied Signal Technology, Inc., PAC (AST PAC)

A.	Full Name (Last, First, Middle Initial) John F. Pesaturo		Date of Receipt
	Mailing Address 965 Placid Court		<input type="text" value="02"/> / <input type="text" value="18"/> / <input type="text" value="2010"/>
	City	State	Zip Code
	Arnold	MD	21012
	FEC ID number of contributing federal political committee. C		Transaction ID: INC.A.118
Name of Employer Applied Signal Technology, Inc.		Occupation Vice President	Amount of Each Receipt this Period
Receipt For: <input type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼		Aggregate Year-to-Date ▼ 400.00	<input type="text" value="100.00"/>

B.	Full Name (Last, First, Middle Initial) Roger W. Anderson		Date of Receipt
	Mailing Address 7710 Woodmont Avenue		<input type="text" value="03"/> / <input type="text" value="04"/> / <input type="text" value="2010"/>
	City	State	Zip Code
	Bethesda	MD	20814
	FEC ID number of contributing federal political committee. C		Transaction ID: INC.A.122
Name of Employer Applied Signal Technology, Inc.		Occupation Vice President	Amount of Each Receipt this Period
Receipt For: <input type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼		Aggregate Year-to-Date ▼ 400.00	<input type="text" value="100.00"/>

C.	Full Name (Last, First, Middle Initial) John F. Pesaturo		Date of Receipt
	Mailing Address 965 Placid Court		<input type="text" value="03"/> / <input type="text" value="04"/> / <input type="text" value="2010"/>
	City	State	Zip Code
	Arnold	MD	21012
	FEC ID number of contributing federal political committee. C		Transaction ID: INC.A.125
Name of Employer Applied Signal Technology, Inc.		Occupation Vice President	Amount of Each Receipt this Period
Receipt For: <input type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼		Aggregate Year-to-Date ▼ 400.00	<input type="text" value="100.00"/>

SUBTOTAL of Receipts This Page (optional)	<input type="text" value="300.00"/>
TOTAL This Period (last page this line number only)	<input type="text"/>

**SCHEDULE A (FEC Form 3X)
ITEMIZED RECEIPTS**

Use separate schedule(s) for each category of the Detailed Summary Page	FOR LINE NUMBER: PAGE 9 / 10
	(check only one)
<input checked="" type="checkbox"/> 11a	<input type="checkbox"/> 11b
<input type="checkbox"/> 11c	<input type="checkbox"/> 12
<input type="checkbox"/> 13	<input type="checkbox"/> 14
<input type="checkbox"/> 15	<input type="checkbox"/> 16
<input type="checkbox"/> 17	

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NAME OF COMMITTEE (In Full)
Applied Signal Technology, Inc., PAC (AST PAC)

A.	Full Name (Last, First, Middle Initial) Roger W. Anderson		Date of Receipt
	Mailing Address 7710 Woodmont Avenue		<input type="text"/> M M / <input type="text"/> D D / <input type="text"/> Y Y Y Y 03 / 18 / 2010
	City	State	Zip Code
	Bethesda	MD	20814
	FEC ID number of contributing federal political committee.		Transaction ID: INC.A.123
Name of Employer Applied Signal Technology, Inc.		Amount of Each Receipt this Period	
Occupation Vice President		<input type="text"/> 100.00	
Receipt For: <input type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼		Aggregate Year-to-Date ▼ <input type="text"/> 400.00	

B.	Full Name (Last, First, Middle Initial) John F. Pesaturo		Date of Receipt
	Mailing Address 965 Placid Court		<input type="text"/> M M / <input type="text"/> D D / <input type="text"/> Y Y Y Y 03 / 18 / 2010
	City	State	Zip Code
	Arnold	MD	21012
	FEC ID number of contributing federal political committee.		Transaction ID: INC.A.124
Name of Employer Applied Signal Technology, Inc.		Amount of Each Receipt this Period	
Occupation Vice President		<input type="text"/> 100.00	
Receipt For: <input type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼		Aggregate Year-to-Date ▼ <input type="text"/> 400.00	

SUBTOTAL of Receipts This Page (optional)	<input type="text"/> 200.00
TOTAL This Period (last page this line number only)	<input type="text"/> 4800.00

SCHEDULE B (FEC Form 3X) ITEMIZED DISBURSEMENTS

Use separate schedule(s) for each category of the Detailed Summary Page

FOR LINE NUMBER:
(check only one)

<input type="checkbox"/> 21b	<input type="checkbox"/> 22	<input checked="" type="checkbox"/> 23	<input type="checkbox"/> 24	<input type="checkbox"/> 25	<input type="checkbox"/> 26
<input type="checkbox"/> 27	<input type="checkbox"/> 28a	<input type="checkbox"/> 28b	<input type="checkbox"/> 28c	<input type="checkbox"/> 29	<input type="checkbox"/> 30b

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NAME OF COMMITTEE (In Full)
Applied Signal Technology, Inc., PAC (AST PAC)

A.	Full Name (Last, First, Middle Initial) Chet Edwards for Congress Mailing Address P.O. Box 23273 City Waco State TX Zip Code 76702 Purpose of Disbursement Monetary contribution Candidate Name Chet Edwards Office Sought: <input checked="" type="checkbox"/> House <input type="checkbox"/> Senate <input type="checkbox"/> President State: TX District: 17 Disbursement For: 2010 <input checked="" type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼	Transaction ID: EXP.B.110 Date of Disbursement M M / D D / Y Y Y Y 0 2 / 2 2 / 2 0 1 0	Amount of Each Disbursement this Period 1000.00
B.	Full Name (Last, First, Middle Initial) Friends of Sam Johnson Mailing Address PO Box 860096 City Plano State TX Zip Code 75086 Purpose of Disbursement Candidate Name Sam Johnson Office Sought: <input checked="" type="checkbox"/> House <input type="checkbox"/> Senate <input type="checkbox"/> President State: TX District: 03 Disbursement For: 2010 <input checked="" type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼	Transaction ID: EXP.B.109 Date of Disbursement M M / D D / Y Y Y Y 0 2 / 2 2 / 2 0 1 0	Amount of Each Disbursement this Period 1000.00
C.	Full Name (Last, First, Middle Initial) Richardson for Congress Mailing Address 1212 S. Victory Blvd. City Burbank State CA Zip Code 91502 Purpose of Disbursement Monetary contribution Candidate Name Laura Richardson Office Sought: <input checked="" type="checkbox"/> House <input type="checkbox"/> Senate <input type="checkbox"/> President State: CA District: 37 Disbursement For: 2010 <input checked="" type="checkbox"/> Primary <input type="checkbox"/> General <input type="checkbox"/> Other (specify) ▼	Transaction ID: EXP.B.120 Date of Disbursement M M / D D / Y Y Y Y 0 3 / 0 9 / 2 0 1 0	Amount of Each Disbursement this Period 1000.00

SUBTOTAL of Disbursements This Page (optional)	3000.00
TOTAL This Period (last page this line number only)	3000.00