

EA02-025

TEXAS INSTRUMENTS, INC.'S

9/10/03 ATTACHMENT TO ODI

REQUEST #3

BOX 5

PARTS A - P

PART M

FORD CCPS - 77PS MY81.78

The light truck revalidation continues on schedule and is nearly complete; no new developments to report. A well coordinated team effort has allowed this testing to proceed without a hitch to this point.

An "EX" drawing of the Elco cold-headed blank was provided to manufacturing engineering to assess the cost of a second-op to complete the part, including the J512 dimensions. We'll also get Hydromat quotes. Our objective is to develop a part made to print at a price of \$.40 or less. The current Elco price is \$.82.

A potential spring/stationary contact alignment problem exists with the production switch design. We are working to identify the corrective action ASAP.

Marketing reviewed the Tekico CCPS requirements with Ryo Iwasaka (TIJ Mktg.) to more clearly define TIJ's role in the program. Tekico will supply the L/T prop. valve with the pressure switch in the near future; probably MY94. Martha emphasized the need for TIJ to work closely with Tekico and TIA to ensure that this development moves favorably for us.

TI KOREA/ HALLA CYCLING SWITCH

Yogen developed a first pass program timeline for TIK; a conservative estimate of time-to-SOP in Korea is 18 months.

142.1	57.5	138	48.4	144	60.9	136.6	52
140.8	54	141.1	55.7	143.5	55	144.9	51.7
138.9	50.1	138.3	54.6	141.1	49.9	140.7	52.5
144.3	62.5	137.9	55.2	142.5	56.8	144.5	48.2
140.7	46.8	134.6	57.4	142.3	67.8	144.8	54.8
145.3	56.9	136.7	50.2	139.3	45.4	139.9	54.7
138.5	50.4	139.9	56.2	146.7	52.5	136.5	51.2
135.5	52.7	147	53.1	142.1	55.3	149.1	50.2
142.9	52.7	141.3	59.5	143.6	49.7	145.4	50.8
136.4	59	135	43.9	140.3	47.9	135.1	46.2
127.9	51.4	126.7	60.8	144.8	53.9	141.2	51.7
138	51.6	136.2	53.5	136.7	51.5	139.1	53.0
136.7	53.1	143.5	56.7	127.6	54.1	146.4	53.9
129.8	49	132.4	56.4	139.7	52.6	135.6	52.9
137.6	53.3	136.7	48.9	135.3	53	130.2	50.5
145.1	55.6	136.5	49.9	145.2	56.6	149	55.8
141.3	51.1	136.1	57.8	146.6	56.4	138.2	45
141.6	48.7	140.7	50.7	144	51.1	135.2	52.4
143.6	50.4	143.9	47.3	145	49.6	136.7	49.2

* HOURS HIGH-ALLOCATION DEL (24) THE 24TH PRESSURE
 (25TH 25/25TH 24TH 24TH)

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS (BY PART NUMBER)

F201-97524-00

Part #	Spec	Cavity # 1 Actual	Cavity # 2 Actual	Cavity # 3 Actual	Cavity # 4 Actual	Cavity # 5 Actual	Cavity # 6 Actual	Comments
1	1.85-2.06	1.933	1.933	1.942	1.954	1.900	1.927	
2	19.05 MAX	18.687	18.692	18.623	18.755	18.733	18.645	
	V	18.756	18.211	18.724	18.693	18.672	18.695	
3	0.23-0.75	0.593	0.748	0.310	0.452	0.641	0.425	0.331 0.591 0.559 0.684 0.633 0.475
4	2.73-2.90	2.91	2.91	2.90	2.92	2.91	2.93	2.92 2.94 2.91 2.92 2.91 2.94
5	19.45-19.81	19.65	19.70	19.71	19.73	19.75	19.73	
6	11.60-11.90	11.794	11.797	11.791	11.790	11.784	11.803	
7	16.56-16.76	16.623	16.652	16.636	16.654	16.626	16.626	
8	2.94-3.05	2.936	2.946	2.927	2.924	2.910	2.919	
	0.01	0.038	0.017	0.018	0.006	0.043	0.030	
9	1.24-1.45	1.241	1.242	1.249	1.260	1.270	1.256	
10	11.57-11.92	11.864	11.719	11.725	11.681	11.682	11.734	
11	1.24-1.55	1.354	1.397	1.393	1.397	1.425	1.388	
12	55.15 MAX	55.64	55.65	55.69	55.75	55.75	55.71	
13	12.53-12.71	12.824	12.862	12.914	12.933	12.850	12.906	

TEXAS INSTRUMENTS INCORPORATED • 54 FOREST STREET • ASTLEIGH, MA 02708
ONE TWO SEVEN • THE END OF THE LINE THE PARADE • CIRCLE SEVEN

TI-NHTSA 7843

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F240-35X16-94

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS
14	1.65-12.17	12.033	12.025	12.146	12.126	12.069	12.138	
		11.968	11.923	12.056	12.081	12.011	12.055	
15	6.60-6.81	6.702	6.696	6.690	6.690	6.708	6.712	
16	NO FLAKA/BURRS	OK	OK	OK	OK	OK	OK	
17	2.19-3.41	3.053	3.164	3.162	3.205	3.167	3.215	
18	0.67-1.30	1.137	1.066	1.193	1.165	1.071	1.117	
19	DATE & P/n	OK	OK	OK	OK	OK	OK	
20	15/5-2wHF-2A	OK	OK	OK	OK	OK	OK	
21	1.10-1.40	1.224	MEASURED	ON CROSS	SECTIONED	PART		
22	2.5 ^c	.45 ^c	MEASURED	ON CROSS	SECTIONED	PART		
23	0.16 0	.0127	.00254	.0254	.010	.0127	.01524	
24	41-43 DEG.	42DEG 10MIN	MEASURED	ON CROSS	SECTIONED	PART		
25	60-50DEG D-4HF	44DEG 2MIN	44DEG 2MIN	41DEG 57MIN	46DEG 6MIN	43DEG 53MIN	46DEG 9MIN	
26	7.90-8.00	7.940	8.001	7.932	7.919	7.950	7.969	
27	1.52-1.94	1.836	1.897	1.783	1.821	1.823	1.783	
28	9.36-9.66	9.433	9.442	9.442	9.504	9.507	9.440	
29	8.12 MIN	8.919	9.104	9.945	9.900	9.950	8.864	

TEXAS INSTRUMENTS INCORPORATED - 39 FOREST STREET - ATLANTA, GA 30309

TI-NHTSA 7944

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F20C-9F924-00

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS	
20	14.23 MAX	13.64	13.55	13.50	13.53	13.50	13.56		
31	32.31 MAX	31.40	31.43	31.61	31.52	31.66	31.45		
32	5.59-5.95 X1	5.763	5.511	5.592	5.677	5.676	5.594		
		Y: 5.673	5.667	5.629	5.639	5.642	5.592		
33	7.23-7.27 X1	7.304	7.293	7.286	7.263	7.288	7.319		
		Y: 7.341	7.369	7.319	7.352	7.311	7.321		
34	3.30-3.60 X1	3.454	3.449	3.438	3.413	3.483	3.438		
		Y: 3.499	3.450	3.402	3.402	3.479	3.436		
35	14.02-14.53 X1	14.11	14.13	14.13	14.14	14.12	14.14	14.13	14.14
36	0.59-0.68 X1	0.604	0.624	0.620	0.643	0.623	0.633	0.623	0.670
		0.644	0.629	0.645	0.629	0.653	0.623	0.670	0.624
		0.644	0.629	0.645	0.629	0.653	0.623	0.670	0.624
37	2.40-2.60 X1	2.629	2.623	2.632	2.631	2.721	2.677	2.703	2.625
		2.674	2.669	2.638	2.677	2.703	2.625	2.674	2.630
		2.674	2.669	2.638	2.677	2.703	2.625	2.674	2.630
	0.25 X1	0.10	0.013	0.019	0.017	0.041	0.062	0.004	0.112
		0.033	0.014	0.014	0.014	0.033	0.143	0.014	0.105
38	8.3-8.72 X1	8.321	8.430	8.313	8.475	8.493	8.440	8.376	8.524
		8.346	8.346	8.346	8.346	8.346	8.346	8.346	8.346
		8.346	8.346	8.346	8.346	8.346	8.346	8.346	8.346
39	23DEC-1-2	26	123DEC	52MIN	124DEC	24MIN	24DEC	14IN	24DEC
		54MIN	23DEC	56MIN	23DEC	54MIN	23DEC	56MIN	25DEC
		4MIN	124DEC	21MIN	23DEC	36MIN	23DEC	42MIN	22DEC
		47MIN	24DEC	28MIN	23DEC	26MIN		26MIN	
40	10.0R13M1.0P1	OK	OK	OK	OK	OK	OK	OK	OK
41	1.11.5050	2P	1713-5	49MIN	71DEC	25MIN	72DEC	21MIN	71DEC
		43MIN	71DEC	43MIN	71DEC	43MIN	71DEC	43MIN	71DEC
		172DEC	37MIN	72DEC	21MIN	72DEC	14MIN	72DEC	30MIN
		5MIN	72DEC	10MIN		10MIN		10MIN	

TEXAS INSTRUMENTS INCORPORATED • 34 FOREST STREET • ATTLEBORO, MASS 01920
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TI-NHTSA 7845

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

0240-9F924-00

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS					
30	14.23 MAX	13.64	13.58	13.50	13.53	13.50	13.56						
31	φ 32.51 MAX	31.40	31.63	31.61	31.59	31.66	31.48						
32	φ 5.59-5.65 x1	5.702	5.611	5.592	5.677	5.676	5.594						
		y1 5.693	5.667	5.629	5.633	5.642	5.592						
33	φ 7.23-7.37 x1	7.304	7.293	7.296	7.263	7.288	7.319						
		y1 7.341	7.369	7.319	7.332	7.311	7.322						
34	φ 3.39-3.60 x1	3.454	3.469	3.438	3.413	3.483	3.438						
		y1 3.439	3.450	3.402	3.402	3.479	3.436						
35	14.02-14.53	14.11	14.13	14.14	14.12	14.13	14.13	14.14					
36	0.99-0.68 2φ	0.626	0.664	0.620	0.663	0.625	0.670	0.624	0.664	0.629	0.665		
37	2.59-2.90 2φ	2.699	2.625	2.682	2.631	2.721	2.677	2.703	2.628	2.674	2.630	2.668	2.638
		⊙ 0.25 Ⓢ A B	0.013	0.049	0.019	0.072	0.041	0.062	0.004	0.112	0.039	0.143	0.014
38	8.30-8.72 2φ	8.321	8.439	8.318	8.475	8.499	8.443	8.376	8.524	8.346	8.369	8.343	8.328
39	125°50' ± 2	2φ 23DEG	52MIN	24DEG	28MIN	24DEG	18MIN	24DEG	34MIN	23DEG	36MIN	25DEG	4MIN
		24DEG	21MIN	23DEG	34MIN	23DEG	42MIN	22DEG	47MIN	24DEG	28MIN	23DEG	26MIN
40	COLOR MATCH	OK	OK	OK	OK	OK	OK	OK					
41	71.3550 2φ	71DEG	49MIN	71DEG	29MIN	72DEG	21MIN	71DEG	43MIN	71DEG	43MIN	71DEG	43MIN
		72DEG	37MIN	72DEG	21MIN	72DEG	14MIN	72DEG	30MIN	72DEG	5MIN	72DEG	36MIN

*42 Meets Specification & Note Requirements -

old

DIMENSIONAL ANALYSIS ON PART NUMBER

DIMENSIONAL PEST

F2VC-9FR24-AB

558 CHECKS

NOTE: BARRED PRINT DENOTES CAVITY # 18

	BUFFPRINT SPEC	CAVITY # 20 ACTUAL	CAVITY # 30 ACTUAL	CAVITY # 40 ACTUAL	CAVITY # 50 ACTUAL	CAVITY # 60 ACTUAL	COMMENTS					
1	19.45 - 19.81	19.61	19.55	19.56	19.57	19.57						
2	16.56 - 16.76	16.62/16.64	16.62/16.63	16.58/16.59	16.54/16.56	16.57/16.59						
3	12.80 - 13.21	12.951	13.035	13.043	13.076	12.946						
4	11.40 - 11.90	11.806	11.773	11.773	11.732	11.736						
5	2.84 - 3.05	2.92	2.92	2.92	2.93	2.93						
	0.15 RESIDUE	11.920/0.020	11.933/0.033	11.869/0.091	11.885/0.015	11.887/0.019						
6	11.60 - 11.92	11.67/11.71	11.72/11.68	11.60/11.63	11.63/11.67	11.63/11.65						
7	1.24 - 1.45	1.250	1.290	1.290	1.290	1.265						
8	1.24 - 1.55	1.397	1.400	1.389	1.397	1.397						
9	1.85 - 2.06	1.974	1.996	1.984	1.984	1.986						
10	15.43 - 15.85	15.693	15.800	15.686	15.686	15.556						
11	31DEG +/- 2DEG	29DEG 53MIN	31DEG	29DEG 09MIN	29DEG 09MIN	30DEG 09MIN						
12	2.75 - 2.10 EX	2.90/2.90	2.90/2.90	2.90/2.90	2.89/2.89	2.90/2.94						
13	0.25 - 0.75	0.490/0.800	0.442/0.673	0.496/0.671	0.490/0.744	0.460/0.757	OUT OF SPEC.					
14	0.05 - 0.20	0.074/0.127	0.140/0.076	0.127/0.165	0.152/0.162	0.071/0.096						
		0.092/0.089	0.086/0.114	0.068/0.081	0.088/0.091	0.117/0.165						
15	15.05 40	15.57	15.64	15.54	15.66	15.60	15.77	15.62	15.72	15.61	15.67	

DIMENSIONAL ANALYSIS OF PART NUMBER

PCD-5524-02

BLUEPRINT SPEC	CAVITY # 10 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 40 ACTUAL	CAVITY # 50 ACTUAL	CAVITY # 60 ACTUAL	COMMENTS
16 57.15 MAX	55.70	55.71	55.70	55.69	55.68	
17 12.58 - 13.11	12.73/12.84	12.77/12.76	12.76/12.77	12.75/12.81	12.73/12.80	
18 11.65 - 12.17	11.85/11.64	11.73/11.79	11.88/11.94	11.78/11.86	11.73/11.88	
19 14.23 MAX	13.65	13.67	13.65	13.65	13.66	
20 9.38 - 9.64	9.51/9.66	9.57/9.64	9.49/9.62	9.58/9.74	9.53/9.67	OUT OF SPEC.
21 8.12 MIN	9.12/9.54	9.12/9.18	9.98/9.56	9.14/9.22	9.11/9.14	
22 1.53 - 2.04	1.732	1.783	1.727	1.781	1.796	
23 7.82-8.03	7.94	7.97/7.99	7.97	7.98	7.96	
24 6.66 - 6.81	6.696	6.692	6.647	6.665	6.642	
24A 29DEG +/- 2DG 4X ON GROSE	SECTIONED	PART ON	PRINT			
25 1.80-2.25R ZX	1.84-1.94	1.84-1.94	1.84-1.84	1.94-1.84	1.84-1.84	
26 7.23-7.75	7.52	7.52	7.54	7.55	7.53	
26A NO FLASH DR	OK	FLASH	OK	OK	FLASH	
26B ALLOWED						
26C ON SURFACE						
27 2.75-3.41	3.093	3.160	3.150	3.115	3.107	
28 1.43-1.57	1.466	1.479	1.448	1.461	1.452	

TI-NHTSA 7848

DIMENSIONAL ANALYSIS ON PART NUMBER

F2V0-9F424-AB

	BLUEPRINT SPEC	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4C ACTUAL	CAVITY # 5C ACTUAL	CAVITY # 5D ACTUAL	COMMENTS
29	STAMP DATE	INVERTED	DELTA	OMITTED	HAVE SINCE	BEEK	
	EDGES & PART#	INCLUDED	IN COBING	OPERATION			
29	10.25R13 X 40	N/A THREADS	HAVE BEEN	ADDED			
	150DEG CHAMFER						
30	13/8-24UNF-2A	OK	OK	OK	OK	OK	
31	1.10-1.40	OK CROSS	SECTIONED	PART DN	PRINT		
32	0.14 ±	0.048	0.048	0.008	0.090	0.056	
33	2.5 ✓	OK CROSS	SECTIONED	PART DN	PRINT		
34	45DEG - 45DEG	OK CROSS	SECTIONED	PART DN	PRINT		
35	45-90DEG CHAMF	N/A THREADS	HAVE BEEN	ADDED			
36	31.51 MAX	31.46-31.48	31.45-31.46	31.50-31.47	31.46-31.48	31.58-31.58	
37	14.02-14.53MEY	14.11	14.11/14.13	14.11/14.13	14.12/14.13	14.11/14.12	
38	3.30-3.60	3.43 - 3.43	3.43 - 3.42	3.45 - 3.46	3.44 - 3.47	3.45 - 3.45	
39	7.23-7.37	7.34-7.32	7.33-7.33	7.31-7.37	7.32-7.30	7.37-7.38	OUT OF SPEC.
40	5.59-5.85	5.72-5.66	5.64-5.66	5.67-5.70	5.60-5.65	5.61-5.63	
41	71 DEG +/-	72DEG 11MIN	72DEG 12MIN	72DEG 25MIN	71DEG 56MIN	72DEG 10MIN	
	20DEG 2X	72DEG 14MIN	72DEG 30MIN	72DEG 37MIN	72DEG 11MIN	72DEG 34MIN	

DIMENSIONAL ANALYSIS ON PART NUMBER

CNC-35924-08

	ELEMENT SPEC	CAVITY # 20 ACTUAL	CAVITY # 30 ACTUAL	CAVITY # 40 ACTUAL	CAVITY # 50 ACTUAL	CAVITY # 60 ACTUAL	COMMENTS
42	1.42-1.63 2X	1.43-1.63	1.39-1.62	1.64-1.60	1.60-1.59	1.60-1.57	out of Spec.
43	0.35-0.66 4X	0.57-0.59	0.57-0.60	0.58-0.58	0.58-0.57	0.57-0.59	
		0.59-0.55	0.58-0.57	0.59-0.56	0.56-0.55	0.55-0.56	
44	8.30-8.72 2X	8.31-8.44	8.41-8.44	8.42-8.42	8.59-8.43	8.42-8.36	
45	2.15-2.42 2X	2.18-2.22	2.30-2.15	2.20-2.16	2.16-2.18	2.23-2.16	OUT/SPEC ON MARKED PRINT 2.13
46	±25DEG+/-2 2X	±24DEG 41MIN	±23DEG 14MIN	±23DEG 35MIN	±23DEG 09MIN	±23DEG 34MIN	
		±23DEG 49MIN	±24DEG 31MIN	±23DEG 53MIN	±23DEG 56MIN	±24DEG 24MIN	
47	COATING: BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	
48	±45DEG+/-2 4X	±46DEG 47MIN	±45DEG 09MIN	±45DEG 08MIN	±45DEG 37MIN	±45DEG	
		±45DEG 13MIN	±43DEG 20MIN	±45DEG 04MIN	±44DEG 11MIN	±46DEG 05MIN	
		±45DEG 46MIN	±46DEG 46MIN	±45DEG 16MIN	±44DEG 07MIN	±44DEG 01MIN	
		±45DEG 23MIN	±45DEG 39MIN	±44DEG 48MIN	±45DEG 34MIN	±44DEG 34MIN	
49	0.86-1.17 4X	0.96-1.02	0.97-1.02	0.96-1.02	0.99-1.03	0.99-1.03	
		0.96-0.97	0.96-1.00	0.93-1.00	0.97-0.97	0.95-0.96	
50	0.35-0.66 4X	0.43-0.44	0.46-0.49	0.46-0.50	0.45-0.53	0.51-0.49	
		0.47-0.52	0.54-0.53	0.52-0.52	0.50-0.54	0.51-0.44	

TEXAS INSTRUMENTS



CONSOLIDATED FINANCIAL STATEMENTS

FOR THE YEAR ENDED DECEMBER 31, 1984

IN ACCORDANCE WITH SECURITIES AND EXCHANGE COMMISSION REGULATIONS

STATEMENT ITEM	1984 ACTUAL	1983 ACTUAL	1982 ACTUAL	1981 ACTUAL	1980 ACTUAL	1979 ACTUAL
ASSETS						
CASH AND EQUIVALENTS	1,128	1,127	1,127	1,127	1,127	1,127
RECEIVABLES	40	34	34	34	34	34
INVESTMENTS	1,120	1,124	1,124	1,124	1,124	1,124
PROPERTY AND EQUIPMENT	1,124	1,124	1,124	1,124	1,124	1,124
DEFERRED TAXES	1,124	1,124	1,124	1,124	1,124	1,124
OTHER ASSETS	1,124	1,124	1,124	1,124	1,124	1,124
LIABILITIES						
ACCOUNTS PAYABLE	1,124	1,124	1,124	1,124	1,124	1,124
DEFERRED TAXES	1,124	1,124	1,124	1,124	1,124	1,124
OTHER LIABILITIES	1,124	1,124	1,124	1,124	1,124	1,124
EQUITY						
CAPITAL STOCK	1,124	1,124	1,124	1,124	1,124	1,124
RETAINED EARNINGS	1,124	1,124	1,124	1,124	1,124	1,124
ACCUMULATED DEFERRED TAXES	1,124	1,124	1,124	1,124	1,124	1,124
OTHER EQUITY	1,124	1,124	1,124	1,124	1,124	1,124
TOTAL TO BE ADJUSTED						

THE ABOVE DATA REPRESENTS THE FINANCIAL STATEMENTS OF TEXAS INSTRUMENTS INCORPORATED AND ITS SUBSIDIARIES AS PREPARED IN ACCORDANCE WITH SECURITIES AND EXCHANGE COMMISSION REGULATIONS.

THE ABOVE DATA REPRESENTS THE FINANCIAL STATEMENTS OF TEXAS INSTRUMENTS INCORPORATED AND ITS SUBSIDIARIES AS PREPARED IN ACCORDANCE WITH SECURITIES AND EXCHANGE COMMISSION REGULATIONS.

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F37A-99921-04

NOTE: DIMED PRINT DENOTES CAVITY # 01

	BLEEDPOINT SPEC	CAVITY # 02 ACTUAL	CAVITY # 03 ACTUAL	CAVITY # 04 ACTUAL	CAVITY # 05 ACTUAL	CAVITY # 06 ACTUAL	COMMENTS
1	18.45-18.95	18.692	18.625	18.602	18.719	18.646	
2	32DEG +/- 2DEG	30DEG 34-1-	32DEG 01MIN	30DEG 4PMIN	32DEG 10MIN	32DEG 27MIN	
3	1.85 - 2.06	2.490	2.669	2.667	2.699	2.592	TOOL TO BE CORRECTED
4	14.75 MAX	15.185	15.665	15.691	15.677	15.635	
5	0.05-0.25 2PL	.175	.201	.197	.245	.176	.169 .161
6	0.50 +/- 0.25	0.553	0.510	0.517	0.473	0.419	0.467 .391 .351 .429 .394
7	2.75-3.10 2PL	2.905	2.898	2.899	2.896	2.902	2.891 2.899
8	19.45-19.61	19.60	19.55	19.61	19.57	19.61	
9	16.55-16.75	16.566	16.606	16.585	16.585	16.625	
10	12.90-12.21	13.040	13.036	13.035	12.978	12.956	
11	11.40-11.90	11.770	11.610	11.788	11.790	11.777	
12	2.84 - 3.05	2.925	2.917	2.923	2.920	2.923	
	0.1 A	.094	.013	.019	.004	.032	
13	1.24 - 1.45	1.397	1.294	1.292	1.328	1.326	
14	11.60-11.92	11.742	11.672	11.745	11.688	11.737	

TI-NHT8A 7953

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F574-89324-4A

	BLUEPRINT SPEC	CAVITY # A2 ACTUAL	CAVITY # C3 ACTUAL	CAVITY # C4 ACTUAL	CAVITY # D5 ACTUAL	CAVITY # D6 ACTUAL	COMMENTS	
15	1.24 - 1.37	1.342	1.334	1.337	1.334	1.333		
16	6.20 - 6.6	6.671	6.673	6.680	6.665	6.667		
17	NO FLASH/FLARE	OK	OK	OK	OK	OK		
18	7.25 - 7.75	7.642	7.646	7.639	7.454	7.425		
	2.75 - 3.4	3.10	3.10	3.10	3.07	3.07		
20	0.65 - 1.10	1.062	1.092	1.102	1.112	1.141		
21	DATE & PART#	OK	OK	OK	OK	OK		
22	0.2500 ± 0.001	0.2500	0.2500	0.2500	0.2500	0.2500	ALREADY IN SEE DRAWING	
23	13/8-24NF-24	OK	OK	OK	OK	OK		
24	1.10 - 1.40	1.220	1.213	1.230	1.234	1.320		
25	12.5 C	.20	.20	.20	.20	.20		
26	0.14 D	.020	.036	.008	.023	.023		
27	140DEC - 430EG	MEASURED ON CROSS SECTIONED PIECE						
28	140DEC - 500EG	MEASURED ON CROSS SECTIONED PIECE						
29	7.32 - 8.02	7.90 7.91	7.90 7.89	7.89 7.93	7.89 7.86	7.86 7.90		
30	1.50 - 1.64	1.734	1.837	1.831	1.807	1.807		

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F37A-9F914-AA

DIMENSIONAL SPEC	CAVITY # 42		CAVITY # 43		CAVITY # 44		CAVITY # 45		CAVITY # 46		COMMENTS
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL		
11 9.39 - 9.66	9.52	9.52	9.52	9.50	9.50	9.50	9.50	9.50	9.50		
12 9.12 - 9.24	9.22	9.14	9.14	9.19	9.22	9.22	9.22	9.14	9.14		
13 14.23 MAX	13.64	13.82	13.82	15.98	13.67	13.67	13.67	13.68	13.68		
14 37.15 MAX	35.60	35.40	35.40	35.55	35.55	35.55	35.55	35.52	35.52		
15 12.75-13.11	12.83	12.83	12.83	12.83	12.80	12.80	12.80	12.83	12.83		
16 11.95-12.17	11.74	11.84	11.84	11.74	11.84	11.84	11.95	11.99	11.91	11.94	
17 1.90-2.01R 2PL	1.82	2.02	2.02	1.82	1.80	1.80	1.80	1.80	1.80	MEAS. SIDE W/O KEY	
18 DIMES --- 22DEG (40) MEASURED ON SEPARATE BASE - CROSS SECTIONED											
19 31.5 MAX	31.4	31.62	32.52	31.72	31.68	31.73	31.58	31.65	31.64	31.79	
20 14.00-14.33	14.221	14.221	14.221	14.222	14.222	14.222	14.222	14.221	14.221		
21 3.30 - 3.60	3.420	3.413	3.441	3.429	3.435	3.450	3.434	3.428	3.434	3.421	
22 7.25 - 7.37	7.299	7.281	7.340	7.352	7.254	7.284	7.303	7.291	7.389	7.400	
23 5.56 - 5.83	5.604	5.585	5.641	5.662	5.594	5.583	5.610	5.591	5.612	5.580	
24 (1) 71.5DEG +/- 2DEG (12 PL)	72DEG 23MIN	72DEG 50MIN	72DEG 30MIN	72DEG 54MIN	72DEG 29MIN	72DEG 24MIN	72DEG 36MIN	71DEG 39MIN	72DEG 43MIN	71DEG 44MIN	
25 1.42-1.68 2PL	1.595	1.572	1.610	1.551	1.541	1.544	1.595	1.593	1.609	1.538	
26 0.25 - 0.66	.571	.557	.545	.575	.550	.573	.562	.556	.536	.582	
(4 PL)	.582	.568	.583	.553	.562	.564	.565	.569	.576	.571	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F3TA-9F92A-AA

	BLUEPRINT SPEC	CAVITY # A2 ACTUAL	CAVITY # B3 ACTUAL	CAVITY # C4 ACTUAL	CAVITY # D5 ACTUAL	CAVITY # D6 ACTUAL	COMMENTS				
47	2.59 - 2.80	L 2.681	L 2.705	L 2.687	L 2.697	L 2.709					
	(2 PL)	R 2.702	R 2.695	R 2.705	R 2.721	R 2.684					
	0.2 ± .02	L .021 R .015	L .000 R .075	L .076 R .061	L .061 R .030	L .011 R .154					
	2.465	2.444	2.450	2.465	2.390	2.389	2.384	2.495	2.476	2.311	
48	0.35 - 0.64	.453	.456	.559	.530	.571	.492	.508	.453	.476	.504
	(4 PL)	.494	.538	.474	.502	.449	.514	.511	.509	.491	.509
49	0.54 - 1.17	.965	.975	.959	.942	.968	.969	.990	.953	.987	.935
	(4 PL)	.943	.952	.994	.995	.975	.923	.958	.954	.980	.974
50	45DEG +/- 2DEG	44DEG	45MIN	43DEG	50MIN	45DEG	39MIN	45DEG	26MIN	43DEG	58MIN
	(4 PL)	44DEG	47MIN	44DEG	45MIN	44DEG	08MIN	44DEG	39MIN	45DEG	54MIN
		43DEG	12MIN	44DEG	37MIN	44DEG	11MIN	45DEG	12MIN	45DEG	54MIN
		45DEG	04MIN	45DEG	20MIN	46DEG	64MIN	44DEG	23MIN	46DEG	20MIN
51	8.30-8.72	2PL 8.342	8.450	8.352	8.429	8.364	8.499	8.365	8.429	8.509	8.392
52	2.15-2.42	3PL 2.186	2.220	2.198	2.153	2.149	2.219	2.161	2.170	2.149	2.194
53	25DEG +/- 2DEG	24DEG	22MIN	24DEG	10MIN	24DEG	47MIN	24DEG	17MIN	23DEG	37MIN
	(2 PL)	23DEG	32MIN	23DEG	41MIN	23DEG	50MIN	23DEG	04MIN	23DEG	39MIN
54	COLOR: BLACK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
55	13-19DEG 2PL	ON CROSS	SECTIONED	PART ON	PRINT						
56	0.66 - 0.87	ON CROSS	SECTIONED	PART ON	PRINT						
57	0.10 - 0.31	.252	.278	.287	.251	.276	.260	.287	.260	.280	.257
58	0.58 - 0.68	.625	.646	.646	.621	.648	.622	.656	.622	.644	.625

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TI-NHT8A 7956

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F280-9F924-AA

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS					
30	14.23 MAX	13.64	13.58	13.59	13.53	13.50	13.56						
31	32.51 MAX	31.40	31.63	31.61	31.58	31.66	31.45						
32	5.58-5.85 x!	5.702	5.611	5.592	5.677	5.676	5.594						
	y!	5.693	5.667	5.629	5.633	5.642	5.592						
33	7.23-7.37 x!	7.304	7.293	7.296	7.263	7.298	7.319						
	y!	7.341	7.363	7.319	7.332	7.311	7.322						
34	3.30-3.60 x!	3.454	3.469	3.438	3.413	3.483	3.438						
	y!	3.439	3.450	3.402	3.402	3.479	3.436						
35	14.02-14.53	14.11	14.13	14.13	14.14	14.12	14.14	14.12	14.13	14.13	14.14	14.14	
36	0.58-0.68 2p!	0.626	0.664	0.620	0.665	0.623	0.653	0.625	0.670	0.624	0.664	0.629	0.665
37	2.59-2.80 2p!	2.699	2.625	2.682	2.631	2.721	2.677	2.703	2.625	2.674	2.630	2.668	2.638
	0.25 @ A B	0.013	0.049	0.019	0.072	0.041	0.062	0.004	0.112	0.033	0.143	0.014	0.103
38	8.30-8.72 2p!	8.321	8.430	8.316	8.475	8.498	8.445	8.376	8.524	8.346	8.369	8.343	8.328
39	25DEG +/- 2 2p!	23DEG	32MIN	24DEG	24MIN	24DEG	18MIN	24DEG	34MIN	23DEG	36MIN	25DEG	4MIN
		24DEG	21MIN	23DEG	36MIN	23DEG	42MIN	22DEG	47MIN	24DEG	28MIN	23DEG	26MIN
40	COLOR/NATURAL	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
41	(171.5DEG) 2p!	71DEG	49MIN	71DEG	25MIN	72DEG	21MIN	71DEG	45MIN	71DEG	43MIN	71DEG	43MIN
		72DEG	37MIN	72DEG	21MIN	72DEG	14MIN	72DEG	30MIN	72DEG	31IN	72DEG	30MIN

#42 Meets Specification & Note Requirements -

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2AC-9F924-AA

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS:					
30	14.23 MAX	13.64	13.58	13.30	13.53	13.50	13.56						
31	# 32.51 MAX	31.40	31.63	31.61	31.58	31.66	31.45						
32	# 5.58-5.85 x	5.702	5.611	5.592	5.677	5.676	5.594						
	y	5.693	5.667	5.629	5.633	5.642	5.592						
33	# 7.23-7.37 x	7.304	7.293	7.296	7.263	7.288	7.319						
	y	7.341	7.363	7.319	7.332	7.311	7.322						
34	# 3.30-3.60 x	3.454	3.469	3.438	3.413	3.483	3.438						
	y	3.439	3.450	3.402	3.402	3.479	3.436						
35	# 14.02-14.53	14.11	14.13	14.13	14.14	14.12	14.14	14.12	14.13	14.13	14.14	14.13	14.14
36	0.58-0.69 2x	0.626	0.664	0.620	0.665	0.623	0.653	0.623	0.670	0.624	0.664	0.629	0.665
37	2.59-2.80 2x	2.699	2.625	2.682	2.631	2.721	2.677	2.703	2.625	2.674	2.630	2.668	2.638
	⊕ 0.25 Ⓜ A B	0.013	0.049	0.019	0.072	0.041	0.062	0.004	0.112	0.033	0.143	0.014	0.103
38	8.30-8.72 2x	8.321	8.430	8.318	8.475	8.488	8.445	8.376	8.524	8.346	8.369	8.343	8.328
39	25DEG +/- 2 2x	23DEG	52MIN	24DEG	24MIN	24DEG	1MIN	24DEG	54MIN	23DEG	36MIN	25DEG	4MIN
		24DEG	21MIN	23DEG	36MIN	23DEG	42MIN	22DEG	47MIN	24DEG	29MIN	23DEG	26MIN
40	COLOR: NATURAL	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
41	(71.5DEG) 2PL	71DEG	49MIN	71DEG	25MIN	72DEG	21MIN	71DEG	45MIN	71DEG	43MIN	71DEG	43MIN
		72DEG	37MIN	72DEG	21MIN	72DEG	14MIN	72DEG	30MIN	72DEG	5MIN	72DEG	30MIN

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TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F28C-9F924-98

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS
14	11.65-12.17	12.023	12.025	12.146	12.126	12.068	12.138	
		11.963	11.923	12.056	12.081	12.011	12.035	
15	6.60-6.81	6.702	6.696	6.690	6.690	6.709	6.712	
16	NO FLASH/BURRS	OK	OK	OK	OK	OK	OK	
17	2.79-3.41	3.053	3.164	3.162	3.205	3.187	3.215	
18	0.67-1.30	1.137	1.066	1.133	1.165	1.071	1.117	
19	DATE & P/N	OK	OK	OK	OK	OK	OK	
20	3/8-24NF-2A	OK	OK	OK	OK	OK	OK	
21	1.10-1.40	1.224	MEASURED	ON CROSS	SECTIONED	PART		
22	2.5 \sqrt{c}	.45 \sqrt{c}	MEASURED	ON CROSS	SECTIONED	PART		
23	\varnothing 0.16 D	.0127	.00254	.0254	.010	.0127	.01524	
24	41-43 DEG.	42DEG 10MIN	MEASURED	ON CROSS	SECTIONED	PART		
25	40-50DEG CHAMF	44DEG 24MIN	44DEG 7MIN	41DEG 57MIN	46DEG 6MIN	45DEG 53MIN	46DEG 9MIN	
26	\varnothing 7.82-8.03	7.940	8.001	7.932	7.919	7.950	7.990	
27	1.52-2.04	1.836	1.897	1.783	1.821	1.823	1.783	
28	9.36-9.66	9.433	9.442	9.462	9.504	9.507	9.448	
29	8.12 MIN	8.913	9.104	8.945	8.900	8.950	8.894	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2AC-9F924-AA

	BLUEPRINT SPEC	CAVITY # 1 ACTUAL	CAVITY # 2 ACTUAL	CAVITY # 3 ACTUAL	CAVITY # 4 ACTUAL	CAVITY # 5 ACTUAL	CAVITY # 6 ACTUAL	COMMENTS
1	1.85-2.06	1.933	1.933	1.942	1.956	1.900	1.927	
2	19.05 MAX	18.687	18.692	18.523	18.735	18.733	18.665	
	y:	18.756	18.211	18.724	18.693	18.672	18.695	
3	0.25-0.75	0.593	0.748	0.310	0.452	0.641	0.425	0.391 0.591
		0.538	0.684	0.435	0.475			
4	2.79-3.10	2.90	2.91	2.90	2.92	2.91	2.92	2.91 2.94
	2.91							
5	19.45-19.81	19.65	19.70	19.71	19.73	19.75	19.73	
6	11.40-11.90	11.794	11.797	11.791	11.790	11.784	11.803	
7	16.54-16.76	16.623	16.652	16.636	16.654	16.626	16.626	
8	2.84-3.05	2.926	2.948	2.927	2.924	2.910	2.919	
	0.1	0.035	0.017	0.018	0.006	0.043	0.030	
9	1.24-1.45	1.241	1.242	1.249	1.260	1.270	1.258	
10	11.60-11.92	11.854	11.719	11.725	11.681	11.682	11.736	
11	1.24-1.55	1.394	1.397	1.393	1.397	1.425	1.388	
12	57.15 MAX	55.64	55.65	55.69	55.75	55.75	55.71	
13	12.59-13.11	12.824	12.862	12.914	12.933	12.850	12.906	

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TI-NHTSA 7960

F2VC-9F924-AB

MATERIAL ANALYSIS

PARTS LIST

	PART NAME	PART #	CERTIFIED
1	BASE	46515-2	YES
2	STA. TERM.	36888-1	YES
3	MOVE. CONTACT	74408-1	YES
4	RIVET	74171-1	YES
5	MOVE. TERM.	36887-1	YES
6	SPRING ARM	36889-1	YES
7	J512 HEXPORT	36900-1	YES
8	GASKET	74353-1	YES
9	CLIP	27713-1	YES
10	SEAL	74176-1	YES
11	KAPTON STRIP	27225-1	YES
12	WASHER	27639-1	YES
13	CONVERTER	27406-1	YES
14	KAPTON TAPE	74224-1	YES
15	SPACER	73958-2/-3	YES
16	CRIMP RING	74797-1	YES
17	TRANSFER PIN	74078-SEL	YES
18	ENVIO. SEAL	74247-2	YES
19	THREAD CAP	74179-2	YES

TI-NHTSA 7861

DIMENSIONAL ANALYSIS ON PART NUMBER

FZVC-9F924-AB/12590701

	BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4B ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	---SHIPT--- ---FORM---
1	2.84 - 3.05	2.93	2.92	2.92	2.92	2.93	2.93	
	0.01 ± A	0.041	0.020	0.033	0.031	0.015	0.013	
	1.90	1.839	1.920	1.933	1.849	1.888	1.887	
2	22.88 MAX	18.64	18.57	18.54	18.60	18.63	18.61	
		18.56	18.66	18.66	18.77	18.71	18.67	
3	57.15 MAX	55.65	55.70	55.71	55.70	55.69	55.68	
4	9.66 - 9.39	9.39	9.61	9.57	9.49	9.58	9.55	
		9.63	9.66	9.64	9.62	9.74	9.67	OUT OF SPEC.
5	2.04-1.52 REF	2.040	1.732	1.783	1.777	1.781	1.796	
6	10 8.03-7.82 REF	7.94	7.94	7.97	7.97	7.98	7.96	
		7.50		7.99				
7	16.25X50-40 DEG CHAMFER	N/A	-	THREADS	HAVE BEEN	ADDED		
8	3/8-24UNF-28 1THD. B	OK	OK	OK	OK	OK	OK	
9	1.40 - 1.10	1.316	MEASURED	IN A CROSS	SECTIONED	PART		

TI-NHTSA 7962

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-W924-48

	BLUEPRINT SPEC	CAVITY # 18 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 30 ACTUAL	CAVITY # 40 ACTUAL	CAVITY # 50 ACTUAL	CAVITY # 60 ACTUAL	COMMENTS
1	19.45 - 19.81	19.85	19.61	19.56	19.56	19.57	19.57	
2	16.56 - 16.76	16.59/16.59	16.62/16.64	16.62/16.63	16.59/16.59	16.59/16.56	16.59/16.59	
3	11.51 - 13.21	12.974	13.081	13.035	13.043	13.078	12.944	
4	11.40 - 11.90	11.788	11.808	11.775	11.773	11.735	11.735	
5	2.84 - 3.05	2.93	2.92	2.92	2.92	2.93	2.93	
	0.1 A	1.855/0.041	1.920/0.020	1.933/0.030	1.869/0.031	1.895/0.015	1.867/0.013	
6	11.69 - 11.92	11.69/11.71	11.67/11.71	11.72/11.66	11.60/11.63	11.63/11.67	11.65/11.65	
7	1.24 - 1.45	1.252	1.290	1.280	1.280	1.290	1.263	
8	1.24 - 1.85	1.402	1.397	1.400	1.389	1.397	1.397	
9	1.85 - 2.06	2.304	1.974	1.996	1.984	1.994	1.986	
10	13.45 - 13.85	13.772	13.493	13.900	13.486	13.486	13.556	
11	3SIDES +/- ZONE	300ES 34MIN	29DED 53MIN	3IDES	29DED 04MIN	29DED 03MIN	300ES 04MIN	
12	2.79 - 3.10 27	2.90/2.89	2.90/2.90	2.90/2.90	2.90/2.90	2.89/2.89	2.90/2.94	
13	0.25 - 0.75	0.506/0.641	0.480/0.808	0.442/0.675	0.498/0.671	0.490/0.744	0.440/0.757	OUT OF SPEC.
14	0.05 - 0.26 27	0.051/0.049	0.074/0.127	0.140/0.072	0.127/0.135	0.153/0.163	0.071/0.036	
		0.140/0.147	0.092/0.099	0.096/0.114	0.048/0.080	0.038/0.813	0.137/0.165	
15	0 19.05 PAR	18.64	18.56/18.57	18.66/18.54	18.66/18.60	18.77/18.63	18.71/18.61	18.67

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TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F26C-9924-48

BLUEPRINT SPEC	CAVITY # 18 ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
16 57.15 MAX	55.65	55.70	55.71	55.70	55.69	55.68	
17 12.59 - 13.11	12.74/12.86	12.72/12.84	12.77/12.74	12.76/12.77	12.73/12.81	12.73/12.80	
18 11.65 - 12.17	11.68/11.79	11.85/11.64	11.73/11.79	11.88/11.84	11.78/11.86	11.73/11.80	
19 14.20 MAX	13.66	13.65	13.67	13.65	13.65	13.66	
20 9.39 - 9.66	9.39/9.43	9.61/9.66	9.57/9.64	9.49/9.62	9.58/9.74	9.55/9.67	OUT OF SPEC.
21 6.12 MIN	6.98/9.29	9.13/9.54	9.12/9.18	6.98/9.56	9.14/9.22	9.11/9.14	
22 1.32 - 2.04	2.040	1.732	1.783	1.723	1.781	1.796	
23 0 7.62-8.63	7.94/7.50	7.94	7.67/7.99	7.97	7.96	7.96	
24 6.60 - 6.81	6.648	6.688	6.693	6.647	6.665	6.642	
24A 1290ES +/- 208 471290ES 5AMIN	308ES 57MIN	1290ES 46MIN	308ES 24MIN	MEASURED	ON A CROSS	SECTIONED	PART
25 1.80-2.21R 271	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	
26 1.23-7.75	7.74	7.52	7.53	7.54	7.55	7.53	
26A NO FLASH OR	OK	OK	FLASH	OK	OK	FLASH	
BURRS R.LINED							
ON SURFACE							
27 2.79-3.41	3.145	3.093	3.160	3.150	3.119	3.107	
28 0.48-1.30	1.115	1.148	1.179	1.148	1.141	1.153	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9F924-AB

BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
28A STAMP DATE	INVERTED	DELTA	OMITTED.	HAS SINCE	BEEN	INCLUDED	
CODE # PART#	IN CODING	OPERATION.					
29 10.25MIN X 40	N/A THREADS	HAVE BEEN	ADDED				
CODES CHAMFER							
30 13/8-24UNF-2A	OK	OK	OK	OK	OK	OK	
31 1.10-1.40	1.316	MEASURED	ON A CROSS	SECTIONED	PART		
32 0.16 D	0.051	0.045	0.048	0.008	0.030	0.056	
33 2.5 c	OK	MEASURED	ON A CROSS	SECTIONED	PART		
34 41DEG - 49DEG	41DEG 21MIN	MEASURED	ON A CROSS	SECTIONED	PART		
35 40-50DEG CHAMF	N/A THREADS	HAVE BEEN	ADDED				
36 32.51 4A2	31.64 31.62	31.46 31.40	31.45 31.46	31.50 31.47	31.46 31.48	31.58 31.58	
37 14.02-14.53HER	14.11	14.11	14.11/14.13	14.11/14.13	14.12/14.13	14.11/14.12	
38 3.30-3.60	3.45 - 3.46	3.45 - 3.43	3.43 - 3.42	3.45 - 3.46	3.44 - 3.47	3.45 - 3.45	
39 7.23-7.57	7.27 7.28	7.35 7.32	7.33 7.33	7.31 7.37	7.32 7.30	7.37 7.37	
40 5.39-5.65	5.61 5.68	5.72-5.48	5.64-5.66	5.67-5.70	5.50-5.66	5.61-5.63	
41 71.5065 +/-	72DEG 30MIN	72DEG 11MIN	72DEG 12MIN	72DEG 26MIN	71DEG 54MIN	72DEG 10MIN	
2DEG 24	72DEG 30MIN	72DEG 14MIN	72DEG 50MIN	72DEG 37MIN	72DEG 11MIN	72DEG 34MIN	

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DIMENSIONAL ANALYSIS ON PART NUMBER

F2UC-9F924-48

	BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
42	1.42-1.63 2I	1.62-1.62	1.62-1.63	1.58-1.42	1.62-1.60	1.60-1.59	1.60-1.57	
43	0.35-0.66 4I	1.66-0.65	0.57-0.59	0.57-0.60	0.58-0.58	0.58-0.57	0.57-0.59	
		0.57-0.59	0.59-0.55	0.58-0.57	0.59-0.56	0.56-0.55	0.55-0.56	
44	0.30-0.72 2I	0.43-0.44	0.51-0.44	0.41-0.44	0.42-0.42	0.39-0.43	0.42-0.56	
45	2.15-2.42 2I	2.13-2.21	2.18-2.22	2.30-2.15	2.20-2.16	2.14-2.16	2.23-2.16	11 OUT OF SPEC
46	25DEG +/- 2 2X	24DEG 36MIN	24DEG 41MIN	23DEG 14MIN	23DEG 35MIN	23DEG 39MIN	23DEG 34MIN	
		23DEG 06MIN	23DEG 45MIN	24DEG 31MIN	23DEG 53MIN	23DEG 56MIN	24DEG 24MIN	
47	HOLDING BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	
48	45DEG +/- 2 4I	44DEG 56MIN	44DEG 47MIN	44DEG 09MIN	45DEG 08MIN	45DEG 57MIN	43DEG	
		45DEG 46MIN	45DEG 15MIN	43DEG 23MIN	45DEG 04MIN	44DEG 11MIN	45DEG 05MIN	
		44DEG 43MIN	45DEG 44MIN	44DEG 44MIN	45DEG 14MIN	44DEG 07MIN	44DEG 01MIN	
		45DEG 12MIN	45DEG 23MIN	45DEG 39MIN	44DEG 48MIN	45DEG 34MIN	44DEG 34MIN	
49	0.86-1.17 4I	0.96-0.95	0.96-1.03	0.97-1.02	0.98-1.02	0.99-1.03	0.99-1.03	
		0.95-0.93	0.96-0.97	0.96-1.00	0.93-1.00	0.97-0.97	0.95-0.96	
50	0.35-0.66 4I	0.54-0.54	0.45-0.44	0.46-0.48	0.46-0.50	0.45-0.54	0.51-0.49	
		0.46-0.51	0.49-0.52	0.54-0.53	0.57-0.52	0.50-0.54	0.51-0.44	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9F924-AB

NOTE: MARKED PRINT DENOTES CAVITY # 1A

	BLUEPRINT SPEC	CAVITY # 2A ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4C ACTUAL	CAVITY # 5B ACTUAL	CAVITY # 6C ACTUAL	COMMENTS				
1	11.92 - 11.66	11.68	11.69	11.69	11.78	11.69					
2	1.45 - 1.24	1.42	1.29	1.33	1.26	1.31					
3	19.81 - 19.45	19.62	19.64	19.64	19.60	19.66					
4	16.76 - 16.56	16.62	16.64	16.64	16.64	16.65					
	3.95 - 2.84	2.91	2.81	2.81	2.91	2.90					
6	11.98 - 11.48	11.78	11.79	11.78	11.77	11.78					
7	3.19 - 2.79	2.84	2.85	2.84	2.85	2.86	2.86	12.89	2.85		
8	8.38 - 8.72	8.43	8.36	8.54	8.57	8.45	8.91	8.31	8.35	78.98	8.34
9	COLOR : BROWN	OK	OK	OK	OK	OK	OK				
10	2.46 - 1.85	2.695	2.695	2.660	2.705	2.685					TOOL TO BE CORRECTED

THE PASS CAR (F2VC-9F924-AB) AND LIGHT TRUCK (F73A-9F24-AA) SWITCHES ARE PRODUCED OFF OF THE SAME PRODUCTION TOOLING.

THE (F73A-9F924-AA) FULL DIMENSIONAL ANALYSIS FOLLOWS. DIMENSIONS # 1-10 LISTED ABOVE PERTAIN TO THE POLARITY KEY FEATURE WHICH IS DIFFERENT ON THE (F2VC-9F924-AB) SWITCH.

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9F924-68

	BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
1	19.45 - 19.81	19.55	19.61	19.59	19.56	19.57	19.57	
2	16.56 - 16.76	16.59/16.58	16.62/16.64	16.62/16.63	16.59/16.59	16.54/16.56	16.59/16.59	
3	12.80 - 13.21	12.974	13.051	13.035	13.043	13.079	12.946	
4	11.80 - 11.90	11.796	11.608	11.775	11.773	11.758	11.758	
	2.84 - 3.05	2.93	2.92	2.92	2.92	2.93	2.93	
	0.1 A	1.839/0.041	1.920/0.020	1.933/0.033	1.869/0.091	1.885/0.015	1.887/0.013	
6	11.66 - 11.92	11.69/11.71	11.67/11.71	11.72/11.68	11.60/11.63	11.63/11.67	11.65/11.65	
7	1.24 - 1.45	1.252	1.250	1.290	1.290	1.290	1.265	
8	1.24 - 1.55	1.402	1.397	1.400	1.389	1.397	1.397	
9	1.85 - 2.06	2.004	1.974	1.996	1.994	1.994	1.996	
10	13.49 - 13.85	13.772	13.693	13.900	13.686	13.696	13.556	
11	31DEG +/- 2DEG/30DEG 3MIN	29DEG 3MIN	31DEG	29DEG 04MIN	29DEG 03MIN	30DEG 08MIN		
12	2.79 - 3.10 2X	2.90/2.89	2.90/2.90	2.90/2.90	2.90/2.90	2.89/2.89	2.90/2.94	
13	0.25 - 0.75	0.508/0.841	0.480/0.800	0.442/0.6731	0.498/0.671	0.490/0.744	0.460/0.757	OUT OF SPEC.
14	0.05 - 0.26 2X	0.051/0.069	0.074/0.127	0.140/0.076	0.127/0.135	0.153/0.163	0.0711/0.0361	
		0.140/0.147	0.092/0.089	0.086/0.114	0.048/0.061	0.038/0.813	0.137/0.165	
15	0 19.05 MAX	18.64	18.56/18.57	18.66/18.54	18.66/18.60	18.77/18.63	18.71/18.61	18.671

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TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9F924-48

	BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
16	57.15 MAX	55.65	55.70	55.71	55.70	55.69	55.64	
17	12.59 - 13.11	12.74/12.86	12.72/12.84	12.77/12.78	12.76/12.77	12.75/12.81	12.73/12.80	
18	11.65 - 12.17	11.68/11.79	11.85/11.64	11.73/11.79	11.86/11.84	11.78/11.86	11.73/11.88	
19	14.23 MAX	13.66	13.65	13.67	13.65	13.65	13.66	
20	9.39 - 9.66	9.59/9.63	9.61/9.66	9.57/9.64	9.49/9.62	9.58/9.74	9.55/9.67	OUT OF SPEC.
	8.12 MIN	8.98/9.29	9.13/9.54	9.12/9.18	8.98/9.56	9.14/9.22	9.11/9.14	
22	1.52 - 2.04	2.040	1.732	1.783	1.727	1.781	1.796	
23	0 7.82-8.03	7.94/7.50	7.94	7.97/7.99	7.97	7.98	7.96	
24	6.60 - 6.81	6.640	6.698	6.693	6.647	6.665	6.642	
24A	29DEG +/- .200 AN	29DEG 54MIN	30DEG 24MIN	MEASURED	ON A CROSS	SECTIONED	PART	
		30DEG 57MIN	28DEG 46MIN					
25	1.80-2.21R 2X	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	
26	7.23-7.75	7.74	7.52	7.53	7.54	7.55	7.53	
26A	NO FLASH OR	OK	OK	FLASH	OK	OK	FLASH	
	BURRS ALLOWED							
	ON SURFACE							
27	2.79-3.41	3.145	3.093	3.160	3.150	3.119	3.107	
28	0.68-1.30	1.115	1.168	1.179	1.148	1.161	1.153	

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DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9F924-A8

BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6B ACTUAL	COMMENTS
28A 1STAMP DATE	INVERTED	DELTA	OMITTED.	HAS SINCE	BEEN	INCLUDED	
1CODE & PART#	IN CODE#	OPERATION.					
29 10.25MIN X 40 -	N/A THREADS	HAVE BEEN	ADDED				
150DEG CHAMFER							
30 13/8-24UNF-2A	OK	OK	OK	OK	OK	OK	
1.10-1.40	1.314	MEASURED	ON A CROSS	SECTIONED	PART		
0.16 D	0.051	0.048	0.048	0.009	0.030	0.056	
23 2.8 c	OK	MEASURED	ON A CROSS	SECTIONED	PART		
34 141DEG - 43DEG	141DEG 21MIN	MEASURED	ON A CROSS	SECTIONED	PART		
35 140-50DEG CHAMF	N/A THREADS	HAVE BEEN	ADDED				
36 32.51 MAX	31.64 31.62	31.46 31.48	31.45 31.46	31.50 31.47	31.46 31.48	31.58 31.58	
37 14.02-14.53MAX	14.11	14.11	14.11/14.13	14.11/14.13	14.12/14.13	14.11/14.12	
38 3.30-3.60	3.45 - 3.46	3.45 - 3.43	3.45 - 3.42	3.45 - 3.46	3.44 - 3.47	3.45 - 3.45	
39 7.23-7.37	7.27 7.28	7.35 7.32	7.33 7.33	7.31 7.37	7.32 7.30	7.37 7.37	
40 5.38-5.85	5.61 5.68	5.72-5.68	5.64-5.66	5.67-5.70	5.60-5.66	5.61-5.63	
41 171.5DEG +/-	172DEG 30MIN	172DEG 11MIN	172DEG 12MIN	172DEG 26MIN	171DEG 56MIN	172DEG 10MIN	
1 2DEG 2X	172DEG 30MIN	172DEG 14MIN	172DEG 50MIN	172DEG 37MIN	172DEG 11MIN	172DEG 34MIN	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9F924-AB

BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
42 1.42-1.63 2X	1.62-1.62	1.63-1.63	1.58-1.63	1.63-1.60	1.60-1.59	1.60-1.57	
43 0.35-0.66 4X	1.66-0.65	0.57-0.59	0.57-0.60	0.58-0.58	0.58-0.57	0.57-0.59	
	0.57-0.59	0.59-0.55	0.59-0.57	0.59-0.56	0.56-0.55	0.55-0.56	
44 0.30-0.72 2X	0.43-0.46	0.51-0.44	0.41-0.44	0.42-0.42	0.59-0.43	0.42-0.56	
45 2.15-2.42 2X	2.13-2.21	2.18-2.22	2.30-2.15	2.20-2.16	2.16-2.18	2.29-2.16	#1 OUT OF SPEC
46 25DEG +/- 2 2X	24DEG 34MIN	24DEG 41MIN	23DEG 14MIN	23DEG 35MIN	23DEG 09MIN	23DEG 34MIN	
	23DEG 04MIN	23DEG 45MIN	24DEG 31MIN	23DEG 53MIN	23DEG 58MIN	24DEG 24MIN	
47 HOUSING BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	
48 43DEG +/- 2 4X	44DEG 36MIN	44DEG 47MIN	44DEG 09MIN	45DEG 06MIN	45DEG 37MIN	43DEG	
	45DEG 46MIN	45DEG 15MIN	43DEG 20MIN	45DEG 04MIN	44DEG 11MIN	44DEG 03MIN	
	44DEG 43MIN	45DEG 44MIN	46DEG 46MIN	45DEG 16MIN	44DEG 07MIN	44DEG 01MIN	
	45DEG 12MIN	45DEG 23MIN	45DEG 39MIN	44DEG 48MIN	45DEG 34MIN	44DEG 34MIN	
49 0.86-1.17 4X	0.96-0.95	0.98-1.03	0.97-1.02	0.98-1.02	0.99-1.03	0.99-1.03	
	0.95-0.93	0.96-0.97	0.96-1.00	0.93-1.00	0.97-0.97	0.95-0.96	
50 0.35-0.66 4X	0.54-0.54	0.45-0.44	0.46-0.48	0.46-0.50	0.45-0.54	0.51-0.49	
	0.48-0.51	0.49-0.52	0.54-0.53	0.52-0.52	0.50-0.54	0.51-0.44	

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DIMENSIONAL ANALYSIS ON PART NUMBER

F2UC-9F924-88

NOTE: MARKED PRINT DENOTES CAVITY # 1A

	BLUEPRINT	CAVITY # 2A	CAVITY # 3C	CAVITY # 4C	CAVITY # 5B	CAVITY # 6C	COMMENTS	
	SPEC	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL		
1	11.92 - 11.60	11.62	11.69	11.69	11.70	11.69		
2	1.45 - 1.24	1.42	1.29	1.33	1.26	1.31		
3	19.81 - 19.45	19.62	19.64	19.64	19.65	19.66		
4	16.74 - 16.54	16.62	16.64	16.64	16.64	16.65		
5	2.05 - 2.84	2.91	2.91	2.91	2.91	2.90		
6	11.90 - 11.40	11.78	11.79	78	11.77	11.78		
7	2.10 - 2.75	2.84	2.85	19	5 12.86	2.86	12.89	2.85
8	8.20 - 8.72	8.49			16.31	8.35	16.30	8.34
9	WOLDF - BR500				OK	OK		
10	2.68 - 1.85	2.6			2.705	2.665	TOOL TO BE CORRECTED	

old

THE BASE CAR (F2UC-9F924-88) AND LIGHT TRUCK (FTSA-9F24-88) SWITCHES ARE PRODUCED
 OFF OF THE SAME PRODUCTION TOOLING.

THE (F2UC-9F924-88) FULL DIMENSIONAL ANALYSIS FOLLOWS. DIMENSIONS # (1-10) LISTED ABOVE PERTAIN TO THE
 (CLARITY) KEY FEATURE WHICH IS DIFFERENT ON THE (F2UC-9F924-88) SWITCH.

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F87A-9F924-AA

NOTE: MARKED PRINT DIMETER CAVITY # A1

	BLUEPRINT SPEC	CAVITY # A2 ACTUAL	CAVITY # C3 ACTUAL	CAVITY # D4 ACTUAL	CAVITY # D5 ACTUAL	CAVITY # D6 ACTUAL	COMMENTS
1	12.43-12.85	12.692	12.623	12.602	12.719	12.646	
2	31DEG +/- .25DEG 30DEG 34MIN	31DEG 01MIN	30DEG 49MIN	32DEG 10MIN	32DEG 27MIN		
3	1.85 - 2.06	2.690	2.669	2.667	2.699	2.692	TOOL TO BE CORRECTED
4	19.05 MAX	18.685	18.663	18.691	18.677	18.636	
5	10.05-0.25 2PL	.199 .137	.200 .196	.243 .197	.225 .176	.169 .161	
6	10.50 +/- 0.25	.582 .510	.515 .453	.419 .347	.392 .353	.429 .394	
7	12.75-2.10 2PL	2.900 2.890	2.896 2.894	2.894 2.900	2.902 2.891	2.867 2.899	
8	19.45-19.81	19.60	19.58	19.61	19.57	19.61	
9	16.56-16.74	16.566	16.600	16.585	16.585	16.625	
10	12.80-13.21	12.040	12.036	12.033	12.978	12.956	
11	11.40-11.90	11.770	11.810	11.786	11.790	11.777	
12	2.84 - 3.06	2.925	2.917	2.920	2.920	2.920	
	0.1 H	.094	.013	.019	.004	.032	
13	1.24 - 1.45	1.397	1.294	1.292	1.328	1.326	
14	11.60-11.92	11.742	11.672	11.745	11.686	11.737	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F37A-9F924-AA

	BLUEPRINT SPEC	CAVITY # A2 ACTUAL	CAVITY # C3 ACTUAL	CAVITY # C4 ACTUAL	CAVITY # D5 ACTUAL	CAVITY # D6 ACTUAL	COMMENTS	
15	1.24 - 1.35	1.348	1.334	1.337	1.324	1.328		
16	6.60 - 6.81	6.676	6.678	6.680	6.665	6.667		
17	NO FLASH/BURRS	OK	OK	OK	OK	OK		
18	7.23 - 7.73	7.549	7.646	7.699	7.454	7.425		
	2.79 - 3.41	3.10	3.10	3.10	3.07	3.07		
20	0.87 - 1.30	1.056	1.096	1.182	1.112	1.141		
21	DATE & PARTS	OK	OK	OK	OK	OK		
22	0.25PIA 40-50 DEB CHAMFER	UNABLE TO MEASURE	MEASURE	BECAUSE	THREADS ARE	ALREADY IN		
23	3/8-24UNF-2A	OK	OK	OK	OK	OK		
24	1.10 - 1.40	1.220	1.219	1.230	1.234	1.220		
25	±2.5 C	.20	.20	.20	.20	.20		
26	0.16 B	.020	.036	.008	.023	.025		
27	41DEG - 43DEG	MEASURED ON CROSS SECTIONED PIECE						
28	40DEG - 50DEG	MEASURED ON CROSS SECTIONED PIECE						
29	7.82 - 8.03	7.90 7.91	7.90 7.89	7.89 7.93	7.89 7.88	7.86 7.90		
30	1.50 - 2.04	1.734	1.857	1.831	1.807	1.807		

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F37A-9F924-AA

	BLUEPRINT SPEC	CAVITY # A2 ACTUAL	CAVITY # C3 ACTUAL	CAVITY # C4 ACTUAL	CAVITY # D5 ACTUAL	CAVITY # D6 ACTUAL	COMMENTS
31	9.35 - 9.66	9.55	9.59	9.50	9.50	9.58	
22	9.12 MIN	9.22	9.14	9.19	9.22	9.14	
33	14.25 MAX	13.64	13.62	13.58	13.67	13.66	
34	57.15 MAX	55.60	55.60	55.55	55.58	55.52	
7	12.89-13.11	12.89	12.89	12.89	12.80	12.89	
36	11.65-12.17	11.79	11.84	11.89	11.91	11.89	11.89
37	1.80-2.21R 2PL	1.83	2.02	1.82	1.80	1.80	MEAS. SIDE W/O KEY
38	29 DEG +/- 2 DEG (401) MEASURED ON SEPARATE BASE - ORDER SECTIONED						
39	32.51 MAX	31.61	31.68	32.59	31.72	31.68	31.78
40	14.02-14.33	14.231	14.221	14.225	14.222	14.221	
41	3.30 - 3.60	3.420	3.413	3.441	3.429	3.435	3.450
42	7.23 - 7.97	7.299	7.281	7.340	7.352	7.294	7.284
43	5.59 - 5.85	5.604	5.589	5.641	5.662	5.594	5.589
44	171.50 DEG +/- 2 DEG (2 PL.)	172 DEG 23 MIN	172 DEG 30 MIN	172 DEG 30 MIN	172 DEG 30 MIN	172 DEG 54 MIN	172 DEG 29 MIN
		172 DEG 24 MIN	172 DEG 36 MIN	171 DEG 33 MIN	172 DEG 43 MIN	171 DEG 44 MIN	
45	1.42-1.63 2PL	1.595	1.572	1.610	1.581	1.541	1.544
46	0.35 - 0.66	.571	.557	.545	.573	.550	.573
	(4 PL.)	.582	.548	.569	.553	.582	.564
		.545	.569	.574	.556	.530	.582
		.574	.571				

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DIMENSIONAL ANALYSIS ON PART NUMBER

F310-9F924-AR

BLUEPRINT SPEC	CAVITY # A2 ACTUAL	CAVITY # C3 ACTUAL	CAVITY # C4 ACTUAL	CAVITY # D5 ACTUAL	CAVITY # D6 ACTUAL	COMMENTS
47 2.59 - 2.80	L 2.681	L 2.705	L 2.687	L 2.697	L 2.709	
(2 PL)	R 2.702	R 2.696	R 2.705	R 2.721	R 2.684	
0.2 ± A C	L.021 R.015	L.000 R.075	L.076 R.061	L.061 R.030	L.011 R.154	
2.445	2.444 2.450	2.465 2.390	2.389 2.364	2.384 2.495	2.476 2.311	
48 0.35 - 0.66	.463 .458	.359 .330	.371 .492	.508 .463	.476 .504	
(4 PL)	.494 .530	.474 .505	.449 .514	.511 .509	.491 .509	
49 0.54 - .117	.988 .995	.959 .962	.968 .989	.990 .953	.987 .955	
(4 PL)	.943 .952	.956 .959	.975 .923	.955 .934	.980 .974	
50 45DEG +/- 2DEG	44DEG 45MIN	45DEG 50MIN	45DEG 39MIN	45DEG 26MIN	45DEG 59MIN	
(4 PL)	44DEG 47MIN	44DEG 43MIN	44DEG 03MIN	44DEG 39MIN	45DEG 56MIN	
	45DEG 13MIN	44DEG 37MIN	44DEG 11MIN	45DEG 12MIN	45DEG 54MIN	
	45DEG 04MIN	45DEG 20MIN	44DEG 44MIN	44DEG 23MIN	46DEG 20MIN	
51 8.30-8.72 2PL	8.342 8.450	8.352 8.428	8.364 8.499	8.385 8.429	8.509 8.392	
52 2.15-2.42 2PL	2.160 2.220	2.198 2.153	2.169 2.219	2.161 2.170	2.149 2.194	
53 28DEG +/- 2DEG	24DEG 22MIN	24DEG 16MIN	24DEG 47MIN	24DEG 17MIN	23DEG 37MIN	
(2 PL)	23DEG 32MIN	23DEG 41MIN	23DEG 50MIN	23DEG 04MIN	23DEG 39MIN	
54 COLOR: BLACK	OK	OK	OK	OK	OK	
55 13-19DEG 2PL	ON CROSS	SECTIONED	PART ON	PRINT		
56 0.66 - 0.87	ON CROSS	SECTIONED	PART ON	PRINT		
57 0.10 - 0.21	.252 .278	.287 .251	.276 .260	.287 .260	.280 .257	
58 0.58 - 0.68	.625 .646	.646 .621	.648 .622	.656 .622	.644 .626	

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TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-9P034-68

BLUEPRINT SPEC	CAVITY # 15 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 42 ACTUAL	CAVITY # 50 ACTUAL	CAVITY # 50 ACTUAL	COMMENTS
42 1.42-1.67 27	1.42-1.62	1.63-1.63	1.59-1.61	1.62-1.66	1.60-1.59	1.60-1.57	
43 0.35-0.66 47	0.66-0.67	0.57-0.59	0.57-0.61	0.58-0.58	0.55-0.57	0.57-0.59	
	0.57-0.59	0.59-0.58	0.58-0.57	0.59-0.58	0.56-0.57	0.55-0.56	
44 8.30-8.72 29	8.45-8.46	8.51-8.44	8.41-8.44	8.42-8.42	8.55-8.41	8.42-8.56	
45 2.15-2.42 29	2.12-2.21	2.18-2.22	2.30-2.17	2.22-2.16	2.12-2.18	2.23-2.16	#3 OUT OF SPEC
46 25DEG +/- 1 24	25DEG 30MIN	25DEG 41MIN	25DEG 14MIN	25DEG 35MIN	25DEG 27MIN	25DEG 34MIN	
	25DEG 04MIN	25DEG 45MIN	25DEG 31MIN	25DEG 25MIN	25DEG 22MIN	24DEG 24MIN	
47 HOLES IN BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	
48 45DEG +/- 1 41	45DEG 30MIN	45DEG 47MIN	45DEG 04MIN	45DEG 30MIN	45DEG 27MIN	45DEG	
	45DEG 45MIN	45DEG 15MIN	45DEG 10MIN	45DEG 04MIN	45DEG 11MIN	45DEG 04MIN	
	45DEG 42MIN	45DEG 46MIN	45DEG 36MIN	45DEG 16MIN	45DEG 17MIN	45DEG 11MIN	
	45DEG 12MIN	45DEG 13MIN	45DEG 37MIN	45DEG 48MIN	45DEG 24MIN	45DEG 34MIN	
49 1.56-1.17 48	0.96-0.97	0.98-1.00	0.97-1.02	1.00-1.00	0.99-1.00	0.99-1.00	
	0.97-0.97	0.96-0.97	0.96-1.00	0.97-1.00	0.97-0.97	0.97-0.96	
50 0.27-0.55 44	0.54-0.54	0.47-0.44	0.46-0.46	0.46-0.50	0.45-0.54	0.51-0.47	
	0.45-0.51	0.49-0.52	0.54-0.52	0.52-0.52	0.51-0.54	0.51-0.54	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

FDVC-WP924-AB

BLUEPRINT SPEC	CAVITY # 19 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 40 ACTUAL	CAVITY # 50 ACTUAL	CAVITY # 50 ACTUAL	COMMENTS
290 STAMP DATE	INVERTED	DELTA	OMITTED	AGE SINCE	BEEN	INCLUDED	
CODE & PART#	IN CODING	OPERATION					
29 10.05MIN X 40	N/A	THREADS	HAVE BEEN	ADDED			
CODED CHAMFER							
30 1270-24URF-24	0	0	0	0	0	0	
21 1.10-1.40	1.316	MEASURED	ON A CROSS	SECTIONED	PART		
32 1.16 B	0.051	0.048	0.048	0.008	0.008	0.008	
33 1.7 C	0	MEASURED	ON A CROSS	SECTIONED	PART		
34 41000 - 45000	41000 21MIN	MEASURED	ON A CROSS	SECTIONED	PART		
35 40-50000 CHAMF	N/A	THREADS	HAVE BEEN	ADDED			
36 12.75 W4	12.75	12.75	12.75	12.75	12.75	12.75	
37 14.02-14.53HEX	14.11	14.11	14.11/14.13	14.11/14.13	14.11	14.11	
38 1.57-2.50	1.45	1.45	1.45	1.45	1.45	1.45	
39 7.01-7.07	7.027	7.02	7.02	7.02	7.02	7.02	
40 5.55-5.75	5.64	5.67	5.72-5.63	5.64-5.66	5.67-5.70	5.61-5.66	
41 7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	
42 7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	

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TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

PCV-3024-02

	DRAWING	CAVITY # 1	CAVITY # 2	CAVITY # 3	CAVITY # 4	CAVITY # 5	CAVITY # 6	COMMENTS
	SPEC	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	
16	57.15 MAX	55.65	55.70	55.71	55.71	55.64	55.65	
17	112.79 ± 0.11	112.74/112.85	112.72/112.84	112.77/112.78	112.76/112.77	112.75/112.81	112.75/112.80	
18	111.65 ± 0.17	111.65/11.75	111.65/11.64	111.73/11.75	111.66/11.64	111.75/11.66	111.73/11.66	
19	13.15 MAX	13.65	13.65	13.67	13.65	13.65	13.64	
20	9.25 ± 0.04	9.25/9.65	9.61/9.66	9.57/9.64	9.65/9.62	9.56/9.74	9.55/9.67	OUT OF SPEC.
21	9.11 MIN	9.06/9.19	9.13/9.54	9.11/9.18	9.05/9.56	9.14/9.22	9.11/9.14	
22	1.75 ± 0.04	1.74	1.75	1.75	1.75	1.75	1.75	
23	7.165-8.02	7.14/7.50	7.04	7.07/7.06	7.07	7.06	7.06	
24	6.17 ± 0.01	6.16	6.16	6.16	6.17	6.16	6.16	
24A	2455-400	400	400	400	400	400	400	SECTIONED PART
		3000	3000	3000	3000	3000	3000	
25	1.74-1.75	1.74-1.84	1.74-1.84	1.74-1.84	1.74-1.84	1.74-1.84	1.74-1.84	
26	7.21-7.75	7.24	7.51	7.51	7.54	7.55	7.51	
26A	NO FLASH OF	0	0	0.05	0	0	FLASH	
	PLATE ALLOWED							
	ON SURFACE							
27	1.17-1.41	1.14	1.15	1.17	1.15	1.17	1.17	
28	1.65-1.36	1.15	1.15	1.17	1.14	1.15	1.15	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-85524-08

	SUBPRINT SPEC	CAVITY # 18 ACTUAL	CAVITY # 20 ACTUAL	CAVITY # 22 ACTUAL	CAVITY # 40 ACTUAL	CAVITY # 30 ACTUAL	CAVITY # 50 ACTUAL	COMMENTS	
1	19.45 - 19.81	19.55	19.61	19.56	19.56	19.57	19.57		
2	16.56 - 16.76	16.59	16.60	16.62	16.63	16.59	16.56	16.59/16.56	
3	11.91 - 12.21	11.974	11.981	11.975	11.945	11.975	11.946		
4	11.45 - 11.90	11.756	11.806	11.775	11.773	11.755	11.755		
5	1.74 - 2.05	1.91	1.92	1.92	1.92	1.92	1.93		
6	1.88 - 2.04	1.925	1.929	1.931	1.932	1.929	1.925	1.927	
7	11.17 - 11.92	11.67	11.71	11.72	11.68	11.69	11.67	11.67/11.65	
8	1.14 - 1.45	1.252	1.256	1.285	1.280	1.280	1.265		
9	1.24 - 1.55	1.402	1.397	1.400	1.389	1.397	1.397		
9	1.35 - 1.06	1.304	1.374	1.397	1.384	1.344	1.356		
10	11.47 - 12.05	11.712	11.691	11.600	11.686	11.666	11.556		
11	11500 +/- 2000 34000 54000 29000 53000	31000	29000	29000	29000	29000	29000		
12	0.75 - 0.10 0.9	0.89	0.90	0.90	0.90	0.89	0.90		
13	0.25 - 0.75	0.535	0.542	0.480	0.473	0.492	0.474	0.490	OUT OF SPEC.
14	0.15 - 0.25 10.000	0.127	0.127	0.147	0.135	0.133	0.133		
		0.147	0.147	0.147	0.147	0.147	0.147		
15	0.10, 0.05 MAX	0.14	0.15	0.15	0.15	0.15	0.15		

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2NC-9F924-AB

	BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6D ACTUAL	COMMENTS	
1	19.45 - 19.81	19.55	19.61	19.59	19.56	19.57	19.57		
2	16.56 - 16.76	16.59/16.59	16.62/16.64	16.62/16.63	16.58/16.59	16.54/16.56	16.59/16.59		
3	13.60 - 13.21	12.974	13.051	13.035	13.043	13.078	12.946		
4	11.40 - 11.90	11.768	11.808	11.775	11.773	11.796	11.755		
	2.64 - 3.05	2.93	2.92	2.92	2.92	2.93	2.93		
	0.1 A	1.859/0.041	1.920/0.030	1.933/0.033	1.869/0.031	1.865/0.015	1.887/0.013		
5	11.60 - 11.92	11.69/11.71	11.67/11.71	11.72/11.68	11.60/11.62	11.63/11.67	11.65/11.68		
7	1.24 - 1.45	1.252	1.230	1.230	1.230	1.230	1.235		
8	1.24 - 1.35	1.402	1.397	1.400	1.389	1.397	1.397		
9	1.85 - 2.06	2.004	1.974	1.996	1.984	1.994	1.986		
10	13.43 - 13.85	13.772	13.693	13.800	13.686	13.686	13.556		
11	31DED +/- 20DEE 30DEE 34NIN	29DEE 53NIN	31DEE	29DEE 04NIN	29DEE 03NIN	30DEE 08NIN			
12	12.79 - 3.10 2X	2.90/2.89	2.90/2.90	2.90/2.90	2.90/2.90	2.89/2.89	2.90/2.94		
13	0.25 - 0.75	0.508/0.641	0.480/0.600	0.442/0.673	0.498/0.671	0.490/0.744	0.460/0.757	OUT OF SPEC.	
14	0.05 - 0.26 2X	0.051/0.049	0.074/0.127	0.140/0.076	0.127/0.135	0.153/0.163	0.0711/0.096		
		0.140/0.147	0.092/0.089	0.086/0.114	0.048/0.081	0.038/0.813	0.137/0.165		
15	0 19.05 MAX	18.64	18.56/18.57	18.66	18.54	18.66/18.60	18.77/18.63	18.71/18.61	18.67

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TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2C-9F924-AB

	BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4B ACTUAL	CAVITY # 5B ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
16	57.15 MAX	55.65	55.70	55.71	55.70	55.69	55.68	
17	12.35 - 13.11	12.74/12.86	12.72/12.84	12.77/12.76	12.76/12.77	12.79/12.81	12.73/12.80	
18	11.65 - 12.17	11.68/11.79	11.85/11.84	11.73/11.79	11.88/11.84	11.78/11.86	11.73/11.88	
19	14.23 MAX	13.66	13.65	13.67	13.65	13.65	13.66	
20	9.39 - 9.66	9.59/9.63	9.61/9.66	9.57/9.64	9.49/9.62	9.58/9.74	9.35/9.67	OUT OF SPEC.
	8.12 RIN	8.98/9.29	9.13/9.54	9.12/9.18	8.98/9.56	9.14/9.22	9.11/9.14	
22	1.52 - 2.04	2.040	1.732	1.788	1.727	1.781	1.796	
23	0 7.82-8.03	7.94/7.98	7.94	7.97/7.99	7.97	7.98	7.96	
24	6.60 - 6.81	6.640	6.698	6.693	6.647	6.645	6.642	
24A	120 DEG +/- 2 DEG AX	120 DEG 54 MIN	100 DEG 24 MIN	MEASURED	ON A CROSS	SECTIONED	PART	
		130 DEG 57 MIN	120 DEG 44 MIN					
25	1.80-2.21R 2X	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	1.84-1.84	
26	7.23-7.75	7.74	7.52	7.53	7.54	7.55	7.53	
26A	NO FLASH OR	OK	OK	FLASH	OK	OK	FLASH	
	URNS ALLOWED							
	ON SURFACE							
27	2.79-3.41	3.145	3.093	3.160	3.150	3.119	3.107	
28	0.68-1.30	1.115	1.148	1.179	1.148	1.161	1.153	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2VC-99924-AB

BLUEPRINT SPEC	CAVITY # 1B ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5B ACTUAL	CAVITY # 6D ACTUAL	COMMENTS
28A 1STAMP DATE	INVERTED	DELTA	OMITTED.	HAS SINCE	BEEN	INCLUDED	
1CODE & PART#	IN CODING	OPERATION.					
29 10.25MIN X 40	N/A THREADS	HAVE BEEN	ADDED				
150DEG CHAMFER							
30 13/8-24UNF-2A	OK	OK	OK	OK	OK	OK	
2 1.10-1.40	1.316	MEASURED	ON A CROSS	SECTIONED	PART		
32 0.16 D	0.051	0.048	0.048	0.048	0.030	0.056	
33 2.5 c	OK	MEASURED	ON A CROSS	SECTIONED	PART		
34 141DEG - 43DEG	141DEG 21MIN	MEASURED	ON A CROSS	SECTIONED	PART		
35 149-50DEG CHAMF	N/A THREADS	HAVE BEEN	ADDED				
36 32.51 MAX	31.64 31.62	31.44 31.48	31.45 31.46	31.50 31.47	31.44 31.48	31.58 31.58	
37 14.02-14.50MED	14.11	14.11	14.11/14.13	14.11/14.13	14.12/14.13	14.11/14.12	
38 3.30-3.60	3.45 - 3.46	3.45 - 3.43	3.43 - 3.42	3.45 - 3.46	3.44 - 3.47	3.45 - 3.45	
39 7.23-7.37	7.27 7.28	7.35 7.32	7.33 7.33	7.31 7.37	7.32 7.30	7.37 7.37	
40 5.99-5.85	5.61 5.68	5.72-5.68	5.64-5.66	5.67-5.70	5.60-5.66	5.61-5.63	
41 171.50DEG +/-	172DEG 30MIN	172DEG 11MIN	172DEG 12MIN	172DEG 24MIN	171DEG 56MIN	172DEG 10MIN	
20DEG 2X	172DEG 30MIN	172DEG 14MIN	172DEG 50MIN	172DEG 37MIN	172DEG 11MIN	172DEG 36MIN	

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F24C-9F924-68

	BLUEPRINT SPEC	CAVITY # 18 ACTUAL	CAVITY # 2C ACTUAL	CAVITY # 3C ACTUAL	CAVITY # 4D ACTUAL	CAVITY # 5D ACTUAL	CAVITY # 6B ACTUAL	COMMENTS
42	1.42-1.63 2X	1.42-1.62	1.63-1.63	1.58-1.63	1.63-1.60	1.60-1.59	1.60-1.57	
43	0.35-0.55 4X	1.66-0.65	0.57-0.59	0.57-0.60	0.58-0.58	0.59-0.57	0.57-0.59	
		0.57-0.59	0.59-0.55	0.59-0.57	0.59-0.56	0.54-0.55	0.55-0.56	
44	8.30-8.72 2X	8.49-8.46	8.51-8.44	8.41-8.44	8.42-8.42	8.59-8.49	8.42-8.56	
45	2.15-2.42 2X	2.13-2.21	2.19-2.22	2.30-2.15	2.20-2.16	2.16-2.18	2.23-2.16	81 OUT OF SPEC
46	125DEG +/- 2 2X	124DEG 34MIN	124DEG 41MIN	123DEG 14MIN	123DEG 33MIN	123DEG 09MIN	123DEG 34MIN	
		123DEG 04MIN	123DEG 45MIN	124DEG 31MIN	123DEG 52MIN	123DEG 58MIN	124DEG 24MIN	
47	16RUSIND+BRONN	BROWN	BROWN	BROWN	BROWN	BROWN	BROWN	
48	145DEG +/- 2 4X	144DEG 34MIN	146DEG 47MIN	146DEG 09MIN	145DEG 08MIN	145DEG 37MIN	143DEG	
		145DEG 44MIN	145DEG 15MIN	143DEG 20MIN	143DEG 04MIN	144DEG 11MIN	146DEG 05MIN	
		144DEG 43MIN	143DEG 46MIN	146DEG 46MIN	143DEG 15MIN	144DEG 07MIN	144DEG 01MIN	
		145DEG 12MIN	143DEG 23MIN	145DEG 39MIN	144DEG 40MIN	143DEG 34MIN	144DEG 34MIN	
49	0.96-1.17 4X	0.96-0.95	0.98-1.03	0.97-1.02	0.98-1.02	0.99-1.03	0.99-1.03	
		0.95-0.93	0.96-0.97	0.96-1.00	0.93-1.00	0.97-0.97	0.95-0.96	
50	0.35-0.44 4X	0.54-0.54	0.45-0.44	0.46-0.48	0.44-0.50	0.45-0.54	0.51-0.49	
		0.48-0.51	0.49-0.52	0.54-0.53	0.52-0.52	0.50-0.54	0.51-0.44	

TEXAS INSTRUMENTS

ATTORNEYS AT LAW

SAMPLE REPORT

REASON FOR REPORT	VENDOR	P.O.	PART NO. <i>A/C</i>	REV.
NEW PART			77PSL2-1	
REPLACEMENT TOOL	SECURITY REQ BY	DATE	IMPROVED BY	DATE
CORRECTED TOOL	<i>K-H</i>			12-16-9
REPAIRED TOOL	THE DIMENSIONS INDICATED BELOW REPRESENT TEXAS INSTRUMENTS' FINISHES REGARDING THE ACTUAL VALUES FOR ALL CHARACTERISTICS MEASURED. IN CASES WHERE ACTUAL VALUES DEVIATE FROM THE SPECIFIED DIMENSIONS, THE DISPOSITION MUST INDICATE THE REQUIRED ACTION FOR EACH NON-CONFORMANCE IN THE APPROPRIATE COLUMN.			
REVIEW				
OTHER				

		(CIRCLE ALL OUT OF TOLERANCE DIMENSIONS)							DISPOSITION	
WF	K-H	SPEC:	1B	2C	3C	4D	5D	6D		
5	1	2.24-3.05 @ 0.1 (S) A [1.96]	2.94	2.92	2.92	2.92	2.93	2.93		
			0.091	0.080	0.038	0.031	0.018	0.019		
			1.859	1.920	1.933	1.869	1.885	1.887		
15	2	22.88 max	18.44	18.57	18.54	18.60	18.62	18.61		
			18.56	18.66	18.66	18.77	18.71	18.67		
16	3	57.15 max.	55.65	55.70	55.71	55.70	55.69	55.68		
17	4	9.66 - 9.39	9.59	9.61	9.57	9.49	9.58	9.55		
			9.62	9.66	9.64	9.62	9.74	9.67	out of spec	
22	5	2.04-1.92 ext.	2.040	1.722	1.723	1.727	1.781	1.796		
23	6	8.03-7.82 ext.	7.94	7.94	7.97	7.97	7.98	7.96		
			7.50		7.99					
29	7	0.25 x 50°-48° standard	N/A - THREDS HAVE BEEN ADDED							
30	8	3/8-24 UNF-2A TAD (D)	OK	OK	OK	OK	OK	OK		
31	9	1.40 - 1.10	1.316	measured on a Cam Serrated Part						
32	10	0.16 D	0.051	0.048	0.048	0.008	0.030	0.056		
33	11	8.5	OK	measured on a Cam Serrated Part						
34	12	43°-41°	41°21'	"	"	"	"	"		
35	13	60°-25°	N/A - THREDS HAVE BEEN ADDED							
38	14	3.60-3.30	3.45	3.45	3.43	3.45	3.44	3.43		
			3.46	3.43	3.43	3.46	3.47	3.45		
39	15	7.37-7.23	7.27	7.35	7.33	7.31	7.32	7.37		
			7.28	7.32	7.33	7.37	7.30	7.37		
40	16	5.55-5.52	5.61	5.72	5.64	5.67	5.60	5.61		
			5.68	5.68	5.66	5.70	5.66	5.63		

REMARKS AND/OR INSTRUCTIONS:

DISPOSITION: TOOL APPROVED FOR PROD.	RECOMMENDATION REQ'D
MFG. ENG.:	DRA. ENG.:

IDENTIFY REQ'D MECHANIZATION WORK	SELLERS	
PRIORITIZE MECH. WORK	KOURTESIS	
- SOFTWARE CHANGES TO S.A.M.		
- FIXTURING ?		
ACQUIE TRACKING DISC PROBE FOR EACH	SELLERS	new item
LOT OF SENSORS ?		
CHK FOR SOUND ON P-TESTER ?	SELLERS	new item
UPDATE CONTROL PLAN FOR ISX PKG	SELLERS	new item
BY 4/10		
ISR MFG. ENG.		

DEFINE PROCESS FOR QUIET DISC	BALLARD	COMP.
DEVELOP FIXTURING, ETC.	BALLARD	COMP.
PROVIDE PRODN DISC LOTS AS NEEDED	BALLARD	COMP.
(BEGINNING 4/7)		
COMMUNICATE COST IMPACT TO MKTG.	BALLARD	COMP.
BY 4/5 - IF ANY		
(COMP. assumes present "P" lot type discs work...)		
CHK DISCS IN LAB	SCOGG	new item
MANUFACTURING		

REVIEW PROCESS FLOW TO ID ANY	GARIEPY	
AREAS THAT NEED FURTHER WORK		
MECHANISM TO AVOID MIXING PARTS	GARIEPY	
BUILD 1K AB2'S FOR AIR SHIP FRI 4/10	GARIEPY/	****CRITICAL
	STRUBLE	****ITEM
(MAY SHIP TO DANA OR ONTARIO; NEED ANSWER ASAP NORM)		
QUALITY		

PRACTICAL ISR FOR ENG3 PRODN; NEEDS	DEMATTIA	
TO BE SUBMITTED BY MON. 4/13		
FAT - SW. W/NORYL BASE - ENV. DWG.	DEMATTIA	COMP.
FAT results looked good; two minor issues that are inconsequential.		
PURCHASING		

HAVE ALSO QUOTE SHUBBER w/2nd OPS	KOTCH	
PRODUCTION CONTROL		

ORDER BASES/DISCS FOR QUIET SW.	STRUBLE	COMP.
(NEED TO BUILD 1K AB2'S BY 4/10)		
DRAFTING		

PRIORITIZE DWG AND P/L CHANGES AS	MULHERN	
THEY COME THROUGH		
MISC. ACTIONS FROM HI-TEMP MTGS.		

ADD CONTINUITY CHK AT 0 PSIG TO P-TESTER	SELLERS	
MEASURE OFFSET ON SWITCHES FROM 45 TO 54	OFFILER	
MIL OFFSET LOT (SEE DISCUSSION NOTE ABOVE)		
250K CYCLE IMPULSE TEST 45 TO 54 MIL	OFFILER	
OFFER LOT		
500K CYCLE IMPULSE TEST 50 MIL OFFER LOT	OFFILER	

TI-NHTSA 7891

ON ABOVE 2 LOTS

UNDERSTANDING THE PROBLEM CAUSE

- REPEAT THERMAL EXPANSION TEST W/
 1. CYLINDRICAL PORTION OF BASE ONLY
 2. ENTIRE BASE - NOT CRIMPED TO SENSOR
 3. BASE MODIFIED WITH LARGER SENSOR NESTING DIAMETER, CRIMPED TO DUMMY SENSOR WITHOUT THE ENVIRON. SEAL

OFFYLER

- REPEAT THERMAL EXPANSION W/ALT. BASE MAT'LS

OFFYLER

REGARDS,
DAVE DEARN
NO SUBJECT

TI-NHTSA 7992

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2AC-9F924-AA

ENVELOPE DIMENSIONS TO BASE ONLY

	BLUEPRINT SPEC	CAVITY # A ACTUAL	CAVITY # B ACTUAL	CAVITY # C ACTUAL	CAVITY # D ACTUAL				
1	11.40 - 11.90	11.906	11.817	11.817	11.794				
2	16.56 - 16.76	16.639	16.652	16.671	16.673				
		16.661	---	16.690	16.668				
3	19.45 - 19.8	19.752	19.754	19.787	19.799				
4	2.84 - 3.05	2.930	2.93	2.944	2.951				
5	1.85 - 2.06	1.927	1.946	1.969	1.978				
6	1.24 - 1.55	1.365	1.387	1.423	1.400				
7	1.24 - 1.45	1.269	1.268	1.275	1.308				
8	11.60 - 11.92	11.768	11.768	11.753	11.777				
		11.729	11.740	11.789	11.747				
9	0.25 - 0.75	0.490	0.475	0.519	0.523	0.573	0.635	0.618	0.593
10	2.79 - 3.10	2.900	2.909	2.912	2.908				
	2 PL	2.903	2.915	2.913	2.911				
11	19.05 MAX	18.667	18.709	18.671	18.704				
		18.701	18.748	18.565	18.757				
12	12.59 - 13.11	12.800	12.829	12.802	12.819				
		12.829	12.800	12.842	12.824				

TEXAS INSTRUMENTS



DIMENSIONAL ANALYSIS ON PART NUMBER

F2AC-9F924-AA

	BLUEPRINT SPEC	CAVITY # A ACTUAL	CAVITY # B ACTUAL	CAVITY # C ACTUAL	CAVITY # D ACTUAL
13	0.68 - 1.30	1.085	1.105	1.122	1.175
14	2.79 - 3.41	3.076	3.061	3.152	3.109
15	6.60 - 6.81	6.701	6.673	6.715	6.677
16	NO FLASH/BURRS	SLIGHT	FLASH ON	EDGES	Ø 10X
17	8.30-8.72 2X	8.535	8.553	8.484	8.578
		8.726	8.512	8.570	8.519
18	25DEG +/- 4DEG	24DEG 26MIN	24DEG 56MIN	24DEG 47MIN	24DEG 06MIN
		24DEG 10MIN	24DEG 14MIN	24DEG 06MIN	24DEG 43MIN
19	(71.5DEG) 2X	72DEG --	71DEG 31MIN	71DEG 20MIN	72DEG 01MIN
		71DEG 07MIN	72DEG --	72DEG 10MIN	71DEG 12MIN
20	TERM. HOUSING NATURAL	BLACK ONLY	AVAILABLE	TO QUALIFY	HOLD