

Gull Wing Sockets

Design Features

- *Open Top and Clamshell*
- *Enables Greatest Airflow Over Package with Low Profile*
- *"Live Bug" and "Dead Bug" Insertion for Burn-in and Test*
- *Kelvin and non Kelvin Contacts*
- *Heat Sink Options Available*

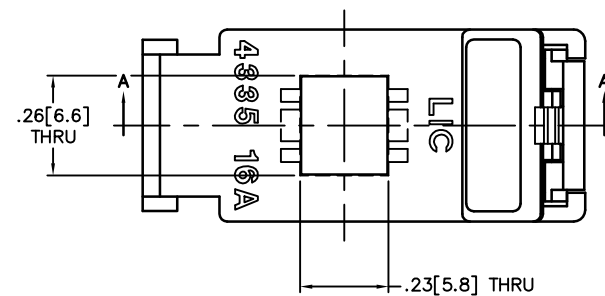


Pitch (mm)	Pitch (in)	Body W (mm)	I/O	Body L (mm)	Body H (mm)	Pkg Name	Kelvin	Style	Socket L (in)	Socket W (in)	Socket H (in)	P/N
0.400	0.016	3.90	48	9.90	1.60	SOP	No	ClamShell	0.850	0.510	0.710	04270 481 X217
0.500	0.020	0.80	3	1.60	0.80	SOT-523	No	ClamShell	0.790	0.510	0.730	03285 121 6218A
0.500	0.020	0.80	3	1.60	0.80	SOT-523	Yes	ClamShell	1.110	0.510	0.740	04285 121 X218A
0.500	0.020	1.25	8	2.00	0.90	8L-SOIC	No	ClamShell	0.790	0.510	0.730	04322 081 X217
0.500	0.020	1.75	8	2.00	1.05	TSOP8	No	ClamShell	0.780	0.510	0.720	04321 081 6217
0.500	0.020	2.33	8	2.00	0.75	8L-SOIC	Yes	ClamShell	0.790	0.510	0.730	04320 081 6217
0.500	0.020	3.00	10	3.00	1.02	MIRO MAX	Yes	ClamShell	1.200	0.510	0.740	04333 101 6215
0.500	0.020	3.00	10	3.00	1.10	MINI SOIC	No	ClamShell	1.200	0.510	0.740	04333 101 6218
0.500	0.020	3.00	10	3.00	1.02	10L-TSSOP	No	ClamShell	1.200	0.510	0.740	04333 101 6218A
0.500	0.020	3.00	11	3.00	0.95	10L-TSSOP	Yes	ClamShell	1.200	0.510	0.740	04333 111 6215
0.500	0.020	3.00	11	3.00	0.95	10L-TSSOP	No	ClamShell	1.200	0.510	0.740	04333 111 6218A
0.500	0.020	3.00	17	4.04	1.00	MSE MSOP DAP	Yes	ClamShell	1.200	0.510	0.740	04320 171 6217
0.500	0.020	3.90	17	4.90	1.52	PwSSO-16	Yes	ClamShell	1.390	0.630	0.740	04333 171 6217
0.500	0.020	3.90	40	9.90	1.60	SOP	No	ClamShell	1.120	0.550	0.750	04320 401 X217
0.500	0.020	3.90	80	20.50	1.60	SOP	No	ClamShell	1.150	1.010	0.750	04320 801 X217
0.500	0.020	4.40	38	9.70	1.05	TSSOP	No	ClamShell	1.010	0.610	0.740	04320 381 6217
0.500	0.020	5.30	44	12.80	1.85	44 L SSOP	No	ClamShell	1.070	0.650	0.740	04320 441 6217
0.500	0.020	11.00	47	15.90	3.30	PwSSO-46	Yes	ClamShell	1.630	0.850	0.740	04333 471 6217
0.600	0.024	1.60	8	2.90	1.05	SOIC 8 WIDE LEAD	No	ClamShell	0.790	0.510	0.730	04233 081 6215
0.600	0.024	1.60	8	2.90	1.05	8L-SOIC	No	ClamShell	0.790	0.510	0.730	04334 081 6218B
0.635	0.025	2.74	10	3.00	1.40	NAIO-10	No	ClamShell	1.390	0.620	0.750	03875 161 6218A
0.635	0.025	2.74	16	4.90	1.32	HP MSOP	No	ClamShell	1.340	0.620	0.750	03875 161 6215
0.635	0.025	3.91	16	4.45	1.40	16L-SSOP	No	ClamShell	1.390	0.620	0.750	03925 281 6218A
0.635	0.025	3.91	24	10.30	1.40	24L-SSOP	No	ClamShell	1.340	0.620	0.750	03925 281 6218B
0.635	0.025	3.91	24	8.64	1.55	SSOP	No	ClamShell	1.250	0.570	0.740	04323 281 6218A
0.635	0.025	3.91	28	10.03	1.40	28L-SSOP	No	ClamShell	1.340	0.620	0.750	03925 281 6215
0.635	0.025	3.91	28	5.03	1.40	SSOP	No	ClamShell	1.390	0.620	0.750	03925 281 6218
0.635	0.025	3.91	28	10.03	1.40	SSOP	Yes	ClamShell	1.250	0.570	0.740	04323 281 6217
0.650	0.026	1.24	4	2.01	0.89	SC-70 / SOT-343	No	ClamShell	1.390	0.620	0.750	03256 181 6218A
0.650	0.026	1.24	6	2.01	0.89	H-P SC-70	No	ClamShell	1.340	0.620	0.750	03256 181 6215
0.650	0.026	1.25	5	2.00	0.90	SC70	Yes	ClamShell	1.100	0.510	0.740	04335 121 6218A

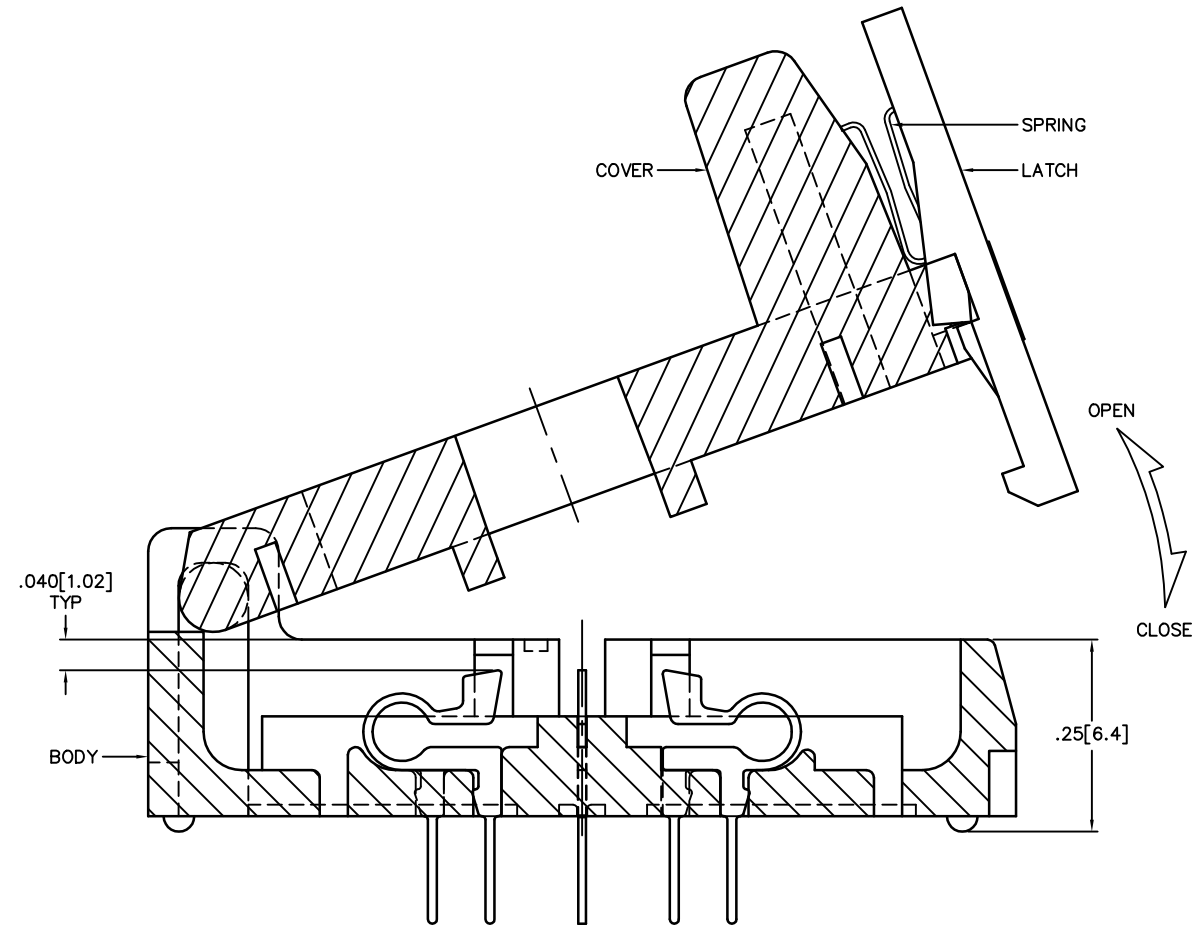
Gull Wing Sockets

Pitch (mm)	Pitch (in)	Body W (mm)	I/O	Body L (mm)	Body H (mm)	Pkg Name	Kelvin	Style	Socket L (in)	Socket W (in)	Socket H (in)	P/N
0.650	0.026	1.25	6	2.00	0.90	SOIC	Yes	ClamShell	1.100	0.510	0.740	04335 121 6215
0.650	0.026	1.27	3	2.00	0.91	SOT-323, SC-70	Yes	ClamShell	1.100	0.510	0.740	04335 121 6218C
0.650	0.026	1.63	8	2.90	1.17	SOT-23	Yes	ClamShell	1.120	0.510	0.740	04336 081 6215
0.650	0.026	1.65	8	2.90	1.19	SOT-23	No	ClamShell	0.790	0.510	0.730	04334 081 6215
0.650	0.026	2.79	8	2.95	1.10	DCT SSOP	Yes	ClamShell	1.200	0.510	0.740	04338 081 6215
0.650	0.026	3.00	8	3.00	1.02	Micro 8	Yes	ClamShell	1.120	0.510	0.740	04335 081 6215
0.650	0.026	3.00	8	3.00	0.97	MINI SOIC	Yes	ClamShell	1.200	0.510	0.740	04335 081 6218A
0.650	0.026	3.00	8	3.00	0.97	MINI SOIC	No	ClamShell	1.200	0.510	0.740	04335 081 6218B
0.650	0.026	3.00	8	3.00	1.02	MINI SOIC	No	ClamShell	1.200	0.510	0.740	04335 081 6218C
0.650	0.026	3.00	9	3.00	0.97	MSOP-8	Yes	ClamShell	1.210	0.510	0.740	04165 081 X217
0.650	0.026	3.00	13	4.04	1.00	MSE MSOP DAP	Yes	ClamShell	1.250	0.510	0.740	04335 131 6215
0.650	0.026	3.90	15	4.90	1.52	SOIC 14	Yes	ClamShell	1.250	0.510	0.740	04335 141 6215
0.650	0.026	3.90	16	5.90	0.92	Gull Wing	Yes	ClamShell	1.250	0.570	0.740	04334 241 X218A
0.650	0.026	3.90	24	8.65	1.70	SOIC 24	Yes	ClamShell	1.250	0.570	0.740	04334 241 6215
0.650	0.026	3.90	24	8.65	1.70	Gull Wing	Yes	ClamShell	1.250	0.570	0.740	04334 281 6218A
0.650	0.033	3.90	28	9.95	1.70	SOIC 28	Yes	ClamShell	1.250	0.570	0.740	04334 281 6215
0.650	0.026	4.39	24	7.80	1.19	24L-TSSOP	Yes	ClamShell	1.250	0.570	0.740	04335 281 6218A
0.650	0.026	4.39	24	7.80	1.10	TSSOP24	Yes	ClamShell	1.250	0.570	0.740	04335 281 6218B
0.650	0.026	4.39	28	9.91	1.02	TSSOP28	Yes	ClamShell	1.250	0.570	0.740	04335 281 6215
0.650	0.026	4.40	8	3.00	1.10	TSSOP-8	Yes	ClamShell	1.250	0.570	0.740	04335 281 6218C
0.650	0.026	4.40	8	3.00	1.10	TSSOP-8	No	ClamShell	1.250	0.570	0.740	04335 281 6218F
0.650	0.026	4.40	14	5.00	1.05	TSSOP-16	Yes	ClamShell	1.250	0.510	0.740	04335 161 6218B
0.650	0.026	4.40	15	5.00	1.00	SOT	Yes	ClamShell	1.250	0.510	0.740	04335 161 6218E
0.650	0.026	4.40	16	5.00	1.10	16L-TSSOP	Yes	ClamShell	1.250	0.510	0.740	04335 161 6215
0.650	0.026	4.40	16	5.00	1.10	TSSOP-16	No	ClamShell	1.250	0.510	0.740	04335 161 6218A
0.650	0.026	4.40	16	5.00	1.10	SOT	Yes	ClamShell	1.250	0.510	0.740	04335 161 6218D
0.650	0.026	4.40	20	6.50	1.09	TSSOP-20	Yes	ClamShell	1.250	0.570	0.740	04335 281 6218E
0.650	0.026	4.40	20	6.50	1.00	TSSOP-8	Yes	ClamShell	1.250	0.570	0.740	04335 281 6218G
0.650	0.026	4.40	24	7.80	1.10	TSSOP28	Yes	ClamShell	1.250	0.570	0.740	04335 281 X218J
0.650	0.026	4.40	28	9.70	1.00	TSSOP28	Yes	ClamShell	1.250	0.570	0.740	04335 281 X218H
0.650	0.026	4.40	28	9.70	1.10	TSSOP28	No	ClamShell	1.250	0.570	0.740	04335 281 X218K
0.650	0.026	5.30	16	6.20	1.86	28L-SSOP	No	ClamShell	1.340	0.620	0.750	03825 281 6218A
0.650	0.026	5.30	24	8.20	1.86	SSOP	Yes	ClamShell	1.340	0.630	0.740	04335 241 6215
0.650	0.026	5.30	28	10.20	1.85	28L-SSOP	No	ClamShell	1.340	0.620	0.750	03825 281 6215
0.760	0.030	5.84	16	5.84	1.45	FlatPack	No	ClamShell	1.070	1.020	0.750	03725 161 6218A
0.760	0.030	5.84	17	5.84	1.45	FlatPack	No	ClamShell	1.070	1.020	0.750	03725 171 6217
0.760	0.030	6.76	24	9.68	1.78	SP6T	No	ClamShell	1.110	0.560	0.740	04113 241 6217
0.800	0.031	3.50	8	2.20	1.25	SOT23 L8	No	ClamShell	0.790	0.510	0.715	04354 081 6215
0.800	0.032	3.90	12	4.90	1.57	SOIC	No	ClamShell	1.030	0.610	0.440	Q0403 131 6218A
0.800	0.031	4.90	12	3.90	1.57	SOIC 12	Yes	ClamShell	1.220	0.560	0.740	04354 131 6215
0.800	0.031	4.90	12	3.90	1.70	SOIC 12	Yes	ClamShell	1.210	0.560	0.740	04354 131 6218A
0.800	0.031	7.03	17	7.03	2.15	SOIC 16	No	ClamShell	1.120	0.550	0.750	04124 171 6215
0.800	0.031	7.03	17	7.03	2.15	SOIC 16	No	ClamShell	1.120	0.550	0.750	04124 171 6218A

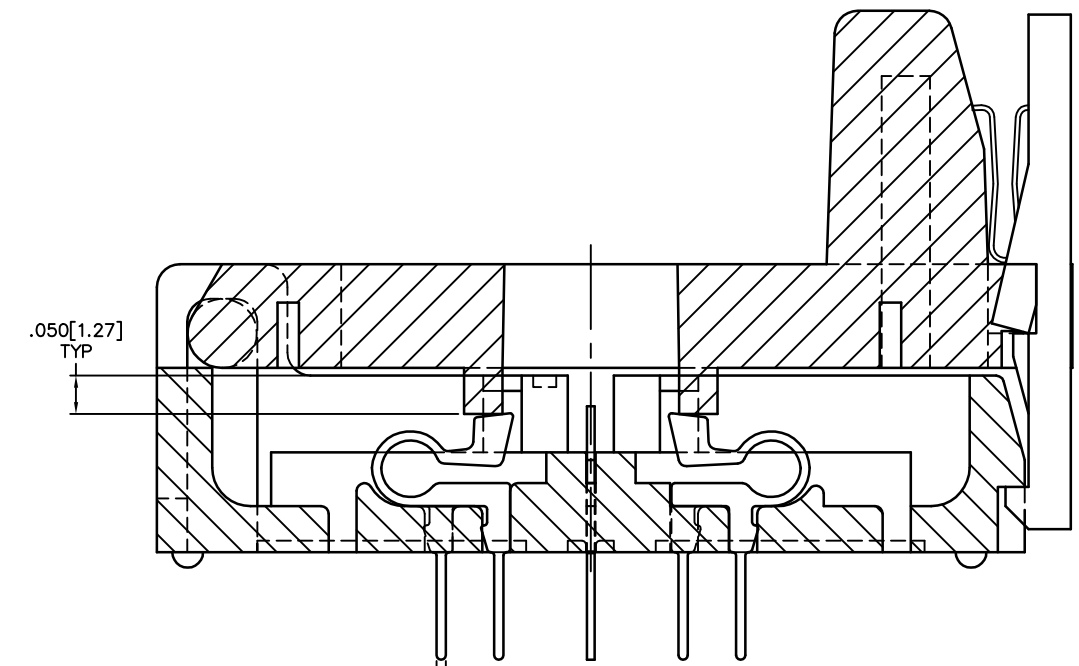
REVISION		
symbol	description	initial/date



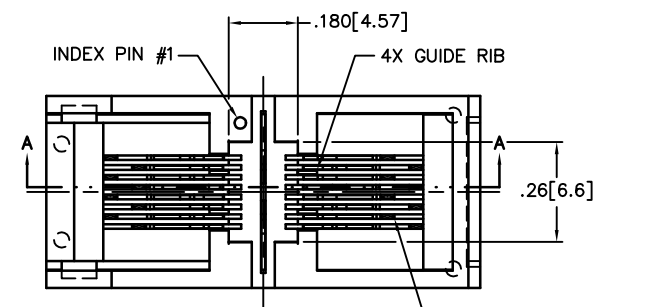
TOP VIEW COVER



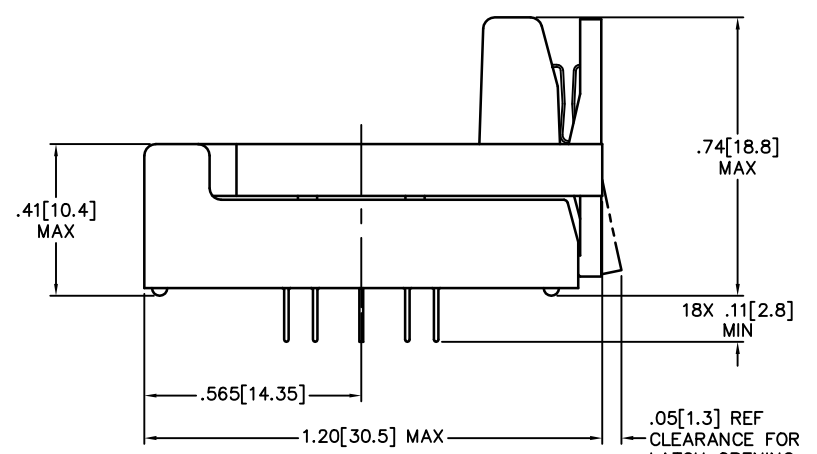
SECTION "A"-"A"
(SOCKET OPENING)
(SCALE : 4/1)



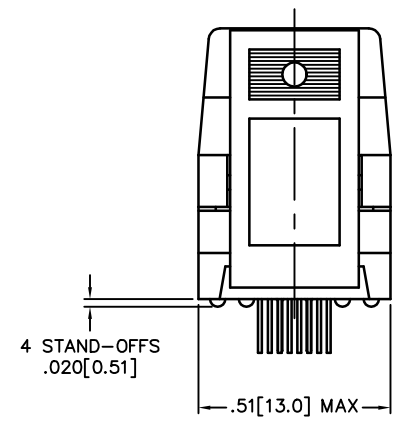
SECTION "A"-"A"
(SOCKET CLOSED)
(SCALE : 4/1)



TOP VIEW COVER REMOVED



FRONT VIEW



RIGHT SIDE VIEW

• CONTROLLING DIMENSIONS : INCH



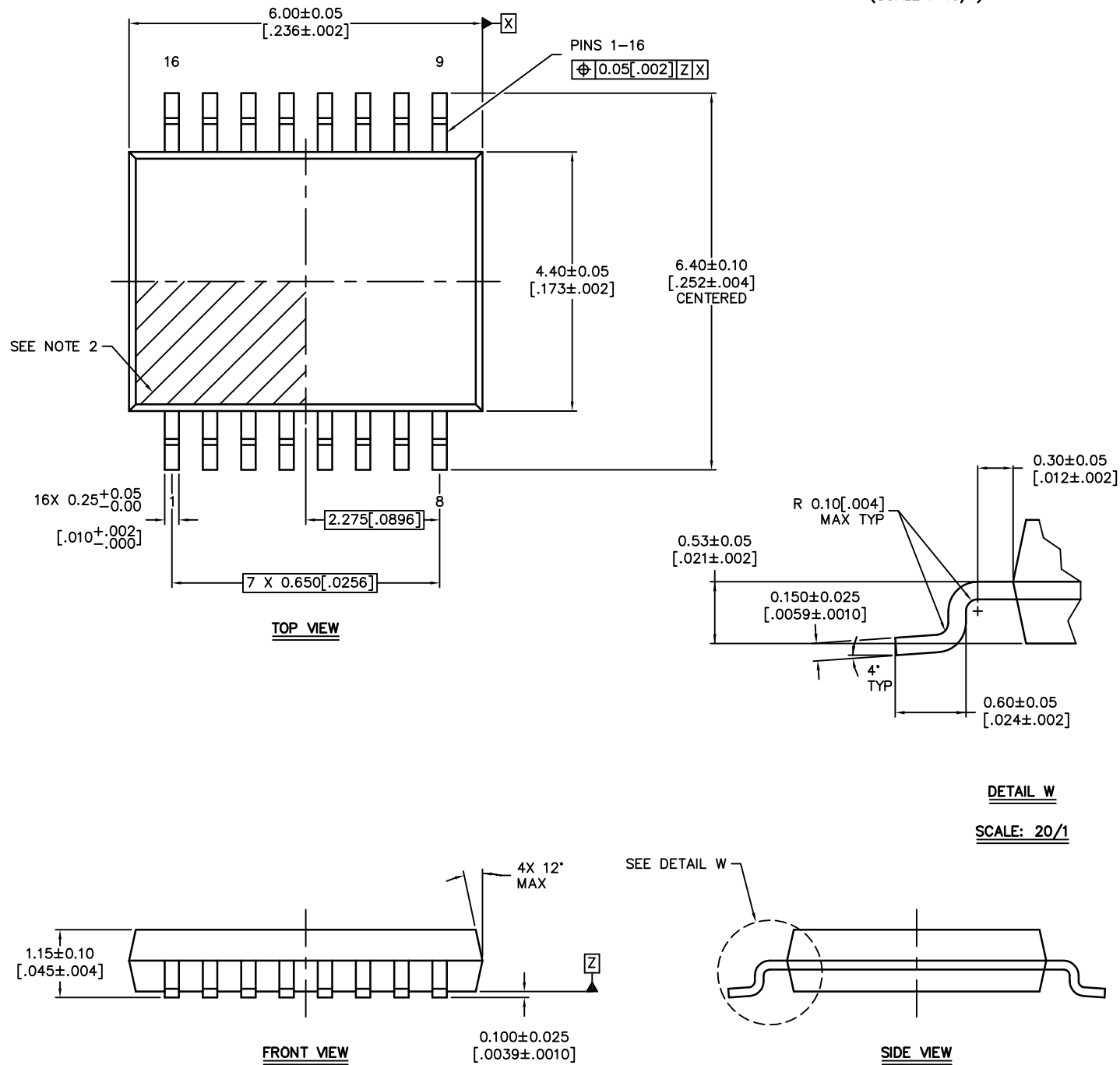
Tolerance in Inches
 .xx ± .01 fract.
 .xxx ± .005 ang. ± 1/2°
 .xxxx ± .0020

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Equipment where used		16 LEAD PACKAGE .173 [4.40] X .236 [6.00], .0256 [0.650] PITCH		PROD. NO.04335 161 X218A	
Part Description		SOCKET		DWG. NO.04335 161 X218A	
SCALE 2/1	Orig. Release	DRAFTED by/date JFN/09-23-03	CHECKED by/date CHG/TDE/P-04-03	ISSUE DATE	PAGE NO. 1 OF 2

DIMENSIONALLY COMPATIBLE PACKAGE FOR SOCKET SHOWN ON PAGE 1

• CONTROLLING DIMENSIONS : mm
 • (SCALE : 10/1)

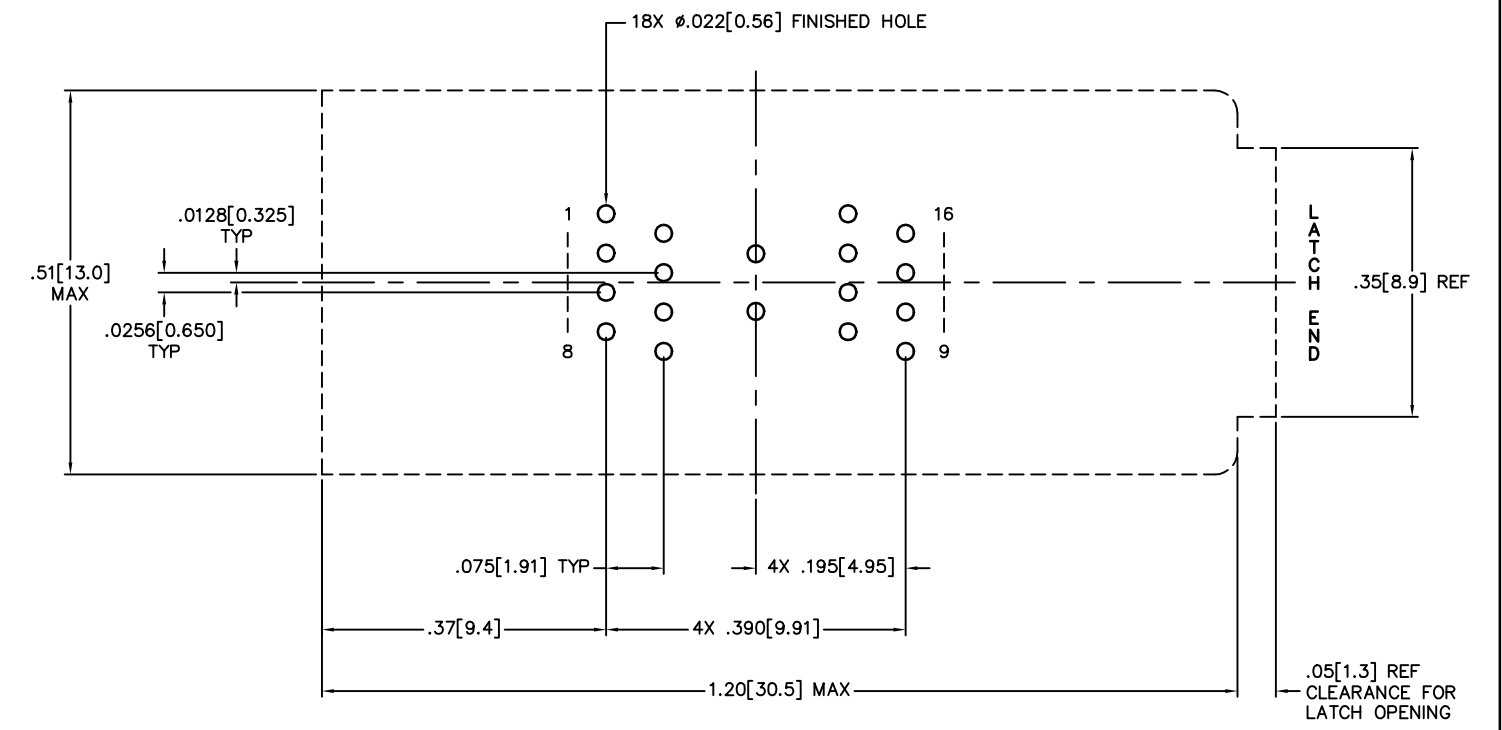


DETAIL W
 SCALE: 20/1

REVISION		
symbol	description	initial/date

RECOMMENDED P.T.H. PATTERN (VIEW FROM THE TOP)

• CONTROLLING DIMENSIONS : INCH
 • (SCALE : 4/1)



- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994
 2. A PIN 1 CORNER IDENTIFYING FEATURE IS RECOMMENDED TO BE APPLIED IN THE GENERAL AREA SHOWN. SIZE, STYLE AND LOCATION OPTIONAL, BUT THE FEATURE MUST NOT PROJECT ABOVE THE PACKAGE TOP.
 3. THIS DEVICE PACKAGE IS BASED, IN PART, ON INFORMATION CONTAINED IN CUSTOMER-SUPPLIED DRAWING(S), HOWEVER IT ADDITIONALLY CONTAINS FEATURE CONTROLS AND TOLERANCING REQUIRED FOR COMPATIBILITY WITH THE L.I.C. SOCKET DRAWN ON PAGE 1. THE CUSTOMER IS ADVISED TO REVIEW THIS DEVICE PACKAGE DRAWING THOROUGHLY BEFORE APPROVING TO ASSURE THAT MANUFACTURING REALITIES AGREE WITH THE DESIGN NEEDS.
 4. DEVICE REFERENCE FOR THIS PACKAGE IS HIGH PERFORMANCE TEST DWG # TSSOP.

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<p>Tolerance in Inches</p> <p>.xx±.01 fract.</p> <p>.xxx±.003 ang.±1/2°</p> <p>.xxxx±.0030</p>		<p>Equipment where used</p> <p>16 LEAD PACKAGE</p> <p>.173[4.40] X .236[6.00], .0256[0.650] PITCH</p>		<p>PROD. NO.04335 161 X218A</p>	
<p>SCALE NOTED</p>		<p>Part Description</p> <p>SOCKET</p>		<p>DWG. NO.04335 161 X218A</p>	
<p>Orig. Release</p>	<p>DRAFTED by/date</p> <p>JFN/09-23-03</p>	<p>CHECKED by/date</p> <p>CHG/JDE/P-24-03</p>	<p>ISSUE DATE</p>	<p>PAGE NO. 2 OF 2</p>	