

12.71 (501) ~ 63.00 (1600)	+0.03 -0.25
5.10 (201) ~ 12.70 (500)	+0.03 -0.20
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
<b>DIMENSION A &amp; B (MILS)</b>	<b>TOLERANCE (MM)</b>


13-111B-28	3.9 <sup>+0.05</sup> <sub>-0</sub>	3.9 <sup>+0.05</sup> <sub>-0</sub>	0.3 <sup>+0</sup> <sub>-0.05</sub>	0.3 <sup>+0</sup> <sub>-0.05</sub>	1.0	0.3	12U1/3
13-111B-27	10.00	9.00	0.4	0.4	1.0	0.4	12C
13-111B-26	3.8 <sup>+0.05</sup> <sub>-0</sub>	3.9 <sup>+0.05</sup> <sub>-0</sub>	0.3 <sup>+0</sup> <sub>-0.05</sub>	0.3 <sup>+0</sup> <sub>-0.05</sub>	1.0	0.3	12U1/3
13-111B-25	11.00	6.00	0.5	0.5	1.0	0.6	12C
13-111B-24	16.00	10.00	0.5	0.5	2.0	0.6	12D3
13-111B-23	<b>OBSOLETE, REFER TO 13-149E-01</b>						
13-111B-22	10.00	6.00	0.4	0.4	1.0	0.35	12C
13-111B-21	10.00	10.00	0.3	0.3	1.0	0.4	12C
13-111B-20	9.00	9.00	0.3	0.3	1.3	0.4	12C
13-111B-19	8.00	8.00	0.3	0.3	1.3	0.4	12C
13-111B-18	6.00	6.00	0.3	0.3	1.0	0.4	12C
13-111B-17	4.00	4.00	0.3	0.3	1.0	0.3	12U1/3
13-111B-16	6.24	4.33	0.3	0.3	1.0	0.3	12C
13-111B-15	6.40	5.04	0.3	0.4	1.0	0.3	12C
13-111B-14	6.52	5.04	0.3	0.3	1.0	0.3	12C
13-111B-13	11.80	9.60	1.4	1.3	1.0	0.3	12C
13-111B-12	10.60	8.70	1.3	1.35	1.0	0.3	12C
13-111B-11	8.09	4.59	0.5	0.5	1.0	0.3	12C
13-111B-10	9.27	8.24	0.3	0.3	1.3	0.3	12C
13-111B-09	6.50	5.47	0.3	0.3	1.0	0.3	12C
13-111B-08	6.71	5.85	0.3	0.3	1.0	0.3	12C
13-111B-07	7.60	6.20	0.3	0.3	1.3	0.3	12C
13-111B-06	7.60	7.20	0.3	0.3	1.3	0.3	12C
13-111B-05	6.80	6.70	0.3	0.3	1.0	0.3	12C
13-111B-04	7.50	6.10	0.3	0.3	1.3	0.3	12C
13-111B-03	8.10	6.00	0.5	0.5	1.0	0.3	12C
13-111B-02	7.05	5.80	0.5	0.5	1.0	0.3	12C
13-111B-01	11.20	11.00	0.5	0.5	1.0	0.3	12C
<b>PART NO.</b>	<b>A</b>	<b>B</b>	<b>C<sup>+0</sup><sub>-0.1</sub>(2x)</b>	<b>D<sup>+0</sup><sub>-0.1</sub>(2x)</b>	<b>ØF</b>	<b>H</b>	<b>HOLDER</b>

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<b>TOLERANCE UNLESS SPECIFIED</b>
X.X ±0.10 GENERAL TOL. ±0.2
X.XX ±0.05 ANGLE ±0.5°
SURFACE FINISH 1.6
REMOVE BURRS AND SHARP EDGES
ALL DIMENSIONS IN MM.

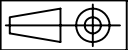
MATERIAL: NBR



**MICRO-MECHANICS PTE LTD**  
 mmsingapore@micro-mechanics.com  
 TEL: 67468800 FAX: 67467700

PROCESS: -
DATE: 16-3-09
DRAFTSMAN: ANSOURI
CHECKER: DESMOND

TITLE: RUBBER TIP (MODIFICATION FRAME TIP)	REV. 74
SCALE: 5:1	DRAWING NO: 13-111B-XX
	SHEET 1
	4



1 2 3 4 5 6

A

B

C

D

A

B

C


D

13-111B-56	11.50	9.50	0.5	0.5	1.0	0.3	12C
13-111B-55	8.00	8.00	0.5	0.5	1.3	0.3	12C
13-111B-54	9.20	6.60	0.4	0.4	□2.5	1.0	12C
13-111B-53	6.00	6.00	0.2	0.2	1.0	0.4	12C
13-111B-52	4.50	4.50	0.2	0.2	1.0	0.35	12U1/3
13-111B-51	3.90	3.90	0.2	0.2	1.0	0.3	12U1/3
13-111B-50	9.50	9.50	0.5	0.5	1.0	0.5	12C
13-111B-49	10.00	6.00	1.0	1.0	1.0	0.3	12C
13-111B-48	6.10	5.40	0.5	0.5	1.0	0.3	12C
13-111B-47	5.50	4.40	0.5	0.5	1.0	0.3	12C
13-111B-46	6.20	6.20	0.3	0.3	1.0	0.3	12C
13-111B-45	12.00	9.60	0.6	0.6	□2.5	1.0	12C
13-111B-44	16.00	9.40	0.5	0.5	2.0	0.3	12D3
13-111B-43	9.50	7.50	0.4	0.4	1.0	0.5	12C
13-111B-42	12.00	10.00	0.5	0.5	1.0	0.3	12C
13-111B-41	9.40	5.90	0.25	0.25	1.0	0.3	12C
13-111B-40	8.18	8.18	0.2	0.2	1.3	0.4	12C
13-111B-39	7.90	7.20	0.3	0.3	1.0	0.3	12C
13-111B-38	7.70	7.50	0.25	0.25	1.0	0.3	12C
13-111B-37	7.00	6.00	0.25	0.3	1.0	0.3	12C
13-111B-36	4.90	4.90	0.3	0.3	1.0	0.4	12U1/3
13-111B-35	7.10	7.10	0.3	0.3	1.0	0.4	12C
13-111B-34	4.00	4.00	0.3	0.3	1.0	0.4	12U1/3
13-111B-33	8.20	7.30	0.3	0.3	1.3	0.4	12C
13-111B-32	5.00	5.00	0.25	0.25	1.0	0.35	12U1/3
13-111B-31	4.50	4.50	0.25	0.25	1.0	0.35	12U1/3
13-111B-30	9.00	7.50	0.3	0.3	1.3	0.3	12C
13-111B-29	11.60	10.80	0.3	0.3	1.0	0.3	12C
PART NO.	A	B	C $\pm$ 0.1(2x)	D $\pm$ 0.1(2x)	ØF	H	HOLDER

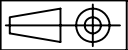
12.71 (501) ~ 63.00 (1600)	+0.03 -0.25
5.10 (201) ~ 12.70 (500)	+0.03 -0.20
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

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<b>TOLERANCE UNLESS SPECIFIED</b> X.X ±0.10 GENERAL TOL. ±0.2 X.XX ±0.05 ANGLE ±0.5° SURFACE FINISH 1.6/ REMOVE BURRS AND SHARP EDGES ALL DIMENSIONS IN MM. 13-99-027 R03	MATERIAL: NBR	PROCESS: -	TITLE: RUBBER TIP (MODIFICATION FRAME TIP)	REV. 74		
	 <b>MICRO-MECHANICS PTE LTD</b> mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 16-3-09	DRAFTSMAN: ANSOURI	SCALE: DRAWING NO: 13-111B-XX	SHEET 2	
		CHECKER: DESMOND				4

1 2 3 4 5 6



1 2 3 4 5 6

A

B

C

D

A

B

C


D

13-111B-84	6.50	5.30	0.3	0.3	1.0	0.3	12C
13-111B-83	6.70	5.10	0.2	0.2	1.0	0.3	12C
13-111B-82	12.80	8.80	0.5	0.5	□6.0	1.0	12D3
13-111B-81	7.00 <sup>+0</sup> <sub>-0.2</sub>	5.86 <sup>+0</sup> <sub>-0.2</sub>	0.55	0.4	1.0	0.3	12C
13-111B-80	5.00 <sup>+0</sup> <sub>-0.1</sub>	3.84 <sup>+0</sup> <sub>-0.1</sub>	0.4	0.4	1.0	0.3	12C
13-111B-79	5.60	5.50	0.2	0.2	1.0	0.2	12C
13-111B-78	7.30	6.30	0.3	0.3	1.0	0.3	12C
13-111B-77	11.00	8.00	0.3	0.3	□2.5	1.0	12C
13-111B-76	13.00	10.50	0.3	0.3	□6.0	1.0	12D3
13-111B-75	14.60	9.60	0.6	0.6	□6.0	1.0	12D3
13-111B-74	11.94	9.65	0.6	0.6	1.0	0.3	12C
13-111B-73	15.80	12.50	0.5	0.5	2.0	0.3	12D3
13-111B-72	14.00	14.00	0.5	0.5	□6.0	1.0	12D3
13-111B-71	9.04	9.12	0.25	0.25	1.3	0.3	12C
13-111B-70	11.00	11.00	0.3	0.3	1.0	0.5	12C
13-111B-69	17.00	15.00	0.3	0.3	□6.0	1.0	12D3
13-111B-68	16.00	8.00	0.5	0.5	2.0	0.5	12D3
13-111B-67	7.00	7.00	0.5	0.5	1.0	0.6	12C
13-111B-66	18.00	13.00	0.5	0.5	□6.0	1.0	12D3
13-111B-65	7.00	7.00	0.3	0.3	□2.5	1.0	12C
13-111B-64	10.80	8.80	0.3	0.3	1.0	0.3	12C
13-111B-63	5.85	5.45	0.35	0.35	1.0	0.3	12C
13-111B-62	7.00	7.00	0.3	0.3	1.0	0.6	12C
13-111B-61	17.00	9.00	0.3	0.3	2.0	0.6	12D3
13-111B-60	15.00	10.00	0.5	0.5	□6.0	1.0	12D3
13-111B-59	18.00	11.00	0.8	0.8	□6.0	1.0	12D3
13-111B-58	12.00	12.00	0.5	0.5	1.0	0.5	12C
13-111B-57	14.98	8.63	0.5	0.5	2.0	0.3	12D3
PART NO.	A	B	C <sup>+0</sup> <sub>-0.1</sub> (2x)	D <sup>+0</sup> <sub>-0.1</sub> (2x)	ØF	H	HOLDER

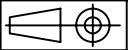
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1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
DIMENSION A & B (MILS)	TOLERANCE (MM)

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	 <b>MICRO-MECHANICS PTE LTD</b> mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 16-3-09	DRAFTSMAN: ANSOURI	SCALE: DRAWING NO: 13-111B-XX	SHEET 3	
		CHECKER: DESMOND				4

1 2 3 4 5 6




12.71 (501) ~ 63.00 (1600)	+0.03 -0.25
5.10 (201) ~ 12.70 (500)	+0.03 -0.20
1.78 (070) ~ 5.09 (200)	+0.03 -0.10
0 ~ 1.77 (069)	+0.03 -0.05
<b>DIMENSION A &amp; B (MILS)</b>	<b>TOLERANCE (MM)</b>

13-111B-101	9.50	6.00	0.25	0.25	1.0	0.5	12C
13-111B-100	13.30	13.30	0.3	0.3	2.0	0.6	12D3
13-111B-99	12.70	10.00	0.3	0.3	2.0	0.6	12D3
13-111B-98	11.30	10.60	0.6	0.4	1.0	0.3	12C
13-111B-97	18.00	17.30	1.0	0.5	2.0	0.3	12D3
13-111B-96	8.80	7.80	0.3	0.3	1.0	0.3	12C
13-111B-95	4.20	4.20	0.6	0.6	0.8	0.3	12U1/3
13-111B-94	10.00	7.00	0.3	0.2	1.0	0.5	12C
13-111B-93	16.00	16.00	0.3	0.3	2.0	0.6	12D3
13-111B-92	8.40	8.40	0.25	0.25	1.0	0.3	12C
13-111B-91	10.40	10.40	0.25	0.25	1.0	0.3	12C
13-111B-90	8.00	9.00	0.3	0.5	□6.0	1.0	12D3
13-111B-89	6.00	6.00	0.25	0.25	1.0	0.4	12C
13-111B-88	13.00	11.00	0.5	0.5	□6.0	1.0	12D3
13-111B-87	12.00	12.00	0.9	0.9	□2.5	1.0	12C
13-111B-86	18.0±0.2	18.0±0.2	5.7	5.7	□6.0	1.0	12D3
13-111B-85	10.50	6.50	0.3	0.3	1.0	0.3	12C
<b>PART NO.</b>	<b>A</b>	<b>B</b>	<b>C±0.1(2x)</b>	<b>D±0.1(2x)</b>	<b>ØF</b>	<b>H</b>	<b>HOLDER</b>

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	 <b>MICRO-MECHANICS PTE LTD</b> mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 16-3-09	DRAFTSMAN: ANSOURI	SCALE: DRAWING NO: 13-111B-XX	SHEET 4	
		CHECKER: DESMOND				4