

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)

13-087B-28	1.27 (050)	4.00 (157)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-27	1.52 (060)	6.09 (240)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-26	1.78 (070)	6.60 (260)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE FORM ON "X"
13-087B-25	1.27 (050)	6.09 (240)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-24	1.40 (055)	5.50 (216)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-23	2.29 (090)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE FORM ON "X"
13-087B-22	1.20 (047)	6.00 (236)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-21	1.05 (041)	2.75 (108)	0.2	0.8	2.5	0.8	4.0	4.0	12U1/12U3	-
13-087B-20	5.20 (204)	7.00 (275)	0.4	2.5	4.0	1.0	7.0	7.0	12C	-
13-087B-19	2.79 (110)	5.59 (220)	0.3	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-18	3.05 (120)	5.33 (210)	0.3	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-17	2.79 (110)	3.56 (140)	0.3	1.5	2.5	1.0	5.0	4.0	12U1/12U3	-
13-087B-16	2.03 (080)	3.81 (150)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-15	1.25 (049)	5.50 (216)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-14	2.29 (090)	6.00 (236)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-13	2.00 (079)	6.00 (236)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-12	1.05 (041)	6.00 (236)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-11	3.50 (138)	12.00 (472)	0.4	2.5	10.5	1.0	12.0	6.0	12C	-
13-087B-10	1.91 (075)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-09	2.54 (100)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-08	1.35 (053)	4.57 (180)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-07	4.20 (165)	7.00 (275)	0.4	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE FORM ON "X"
13-087B-06	2.03 (080)	4.06 (160)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-05	2.79 (110)	6.10 (240)	0.3	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-04	1.78 (070)	4.32 (170)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-03	3.05 (120)	6.10 (240)	0.3	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-02	1.78 (070)	5.08 (200)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-01	1.78 (070)	7.00 (275)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE FORM ON "X"
PART NO.	A (MILS)	B (MILS)	MAX. H	D	E	ØF	X	Y	HOLDER	REMARK

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TOLERANCE UNLESS SPECIFIED
 X.X ±0.10 GENERAL TOL. ±0.2
 X.XX ±0.05 ANGLE ±0.5°
 SURFACE FINISH 1.6/32
 REMOVE BURRS AND SHARP EDGES
 ALL DIMENSIONS IN MM.
 13-99-027 R03

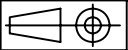
MATERIAL: FLUORO

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

PROCESS: -
 DATE: 17-12-08
 DRAFTSMAN: HS TOK
 CHECKER: DESMOND

TITLE: RUBBER TIP
 SCALE: 10:1
 DRAWING NO: 13-087B-XX

REV. 31
 SHEET 1/2



1 2 3 4 5 6

A

A

B

B

C

C

D


D

PART NO.	A (MILS)	B (MILS)	MAX. H	D	E	ØF	X	Y	HOLDER	REMARK
13-087B-52	1.30 (051)	3.50 (137)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-51	1.60 (063)	3.90 (154)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-50	2.15 (085)	4.50 (177)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-49	3.05 (120)	5.59 (220)	0.3	2.5	4.0	1.0	7.0	7.0	12C	-
13-087B-48	3.05 (120)	6.60 (260)	0.3	2.5	4.0	1.0	7.0	7.0	12C	-
13-087B-47	1.50 (059)	5.20 (205)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-46	1.30 (051)	3.90 (153)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-45	1.02 (040)	6.00 (239)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-44	2.10 (082)	4.60 (181)	0.2	0.8	2.5	0.8	4.6	4.6	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-43	1.60 (063)	4.60 (181)	0.2	0.8	2.5	0.8	4.6	4.6	12U1/12U3	NO ANGLE FORM ON "X"
13-087B-42	1.75 (069)	3.20 (126)	0.2	0.8	2.5	0.8	4.0	4.0	12U1/12U3	-
13-087B-41	1.27 (050)	3.50 (137)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-40	2.00 (079)	4.50 (177)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-39	1.40 (055)	4.50 (177)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-38	1.75 (069)	3.20 (126)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-37	2.00 (079)	5.00 (197)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-36	2.00 (079)	5.50 (216)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-35	1.00 (039)	5.50 (216)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-34	1.20 (047)	4.00 (157)	0.2	0.8	2.5	0.8	6.0	5.0	12U1/12U3	-
13-087B-33	2.29 (090)	5.50 (216)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-32	1.78 (070)	5.50 (216)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-31	2.54 (100)	5.59 (220)	0.2	1.0	3.5	1.0	7.0	5.0	12E	-
13-087B-30	2.00 (079)	3.50 (137)	0.2	1.5	2.5	1.0	5.0	4.0	12U1/12U3	-
13-087B-29	1.65 (065)	6.60 (260)	0.2	1.0	3.5	1.0	7.0	5.0	12E	NO ANGLE FORM ON "X"

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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TOLERANCE UNLESS SPECIFIED 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. <small>13-99-027 R03</small>	MATERIAL: FLUORO	PROCESS: -	TITLE: RUBBER TIP	REV.	
	 MICRO-MECHANICS PTE LTD mmsingapore@micro-mechanics.com TEL: 67468800 FAX: 67467700	DATE: 17-12-08	DRAWING NO: 13-087B-XX		31
		DRAFTSMAN: HS TOK	SCALE: -	SHEET 2	
		CHECKER: DESMOND		2	

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