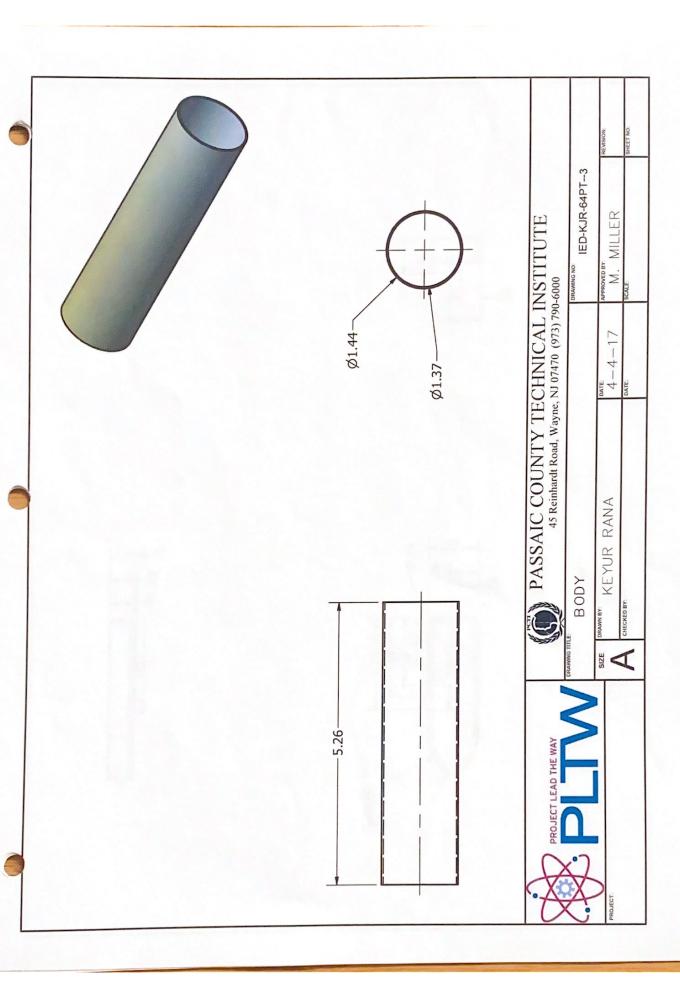
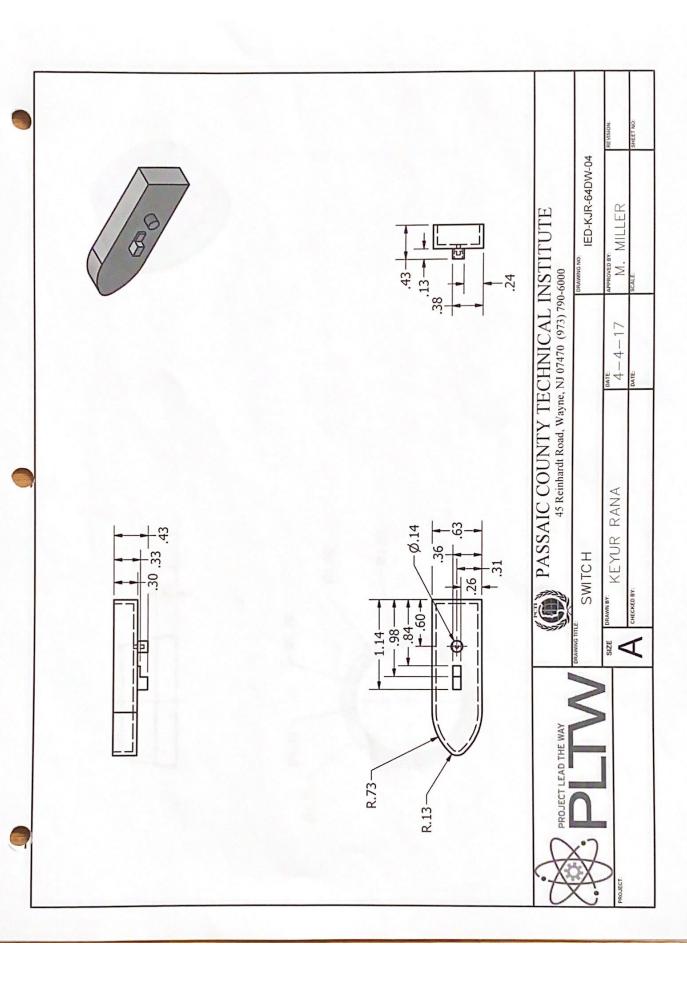
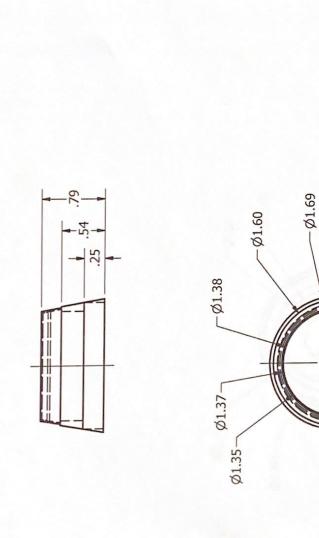
REVERSE ENGINEERING PROJECT BY: Keyur Rana and Brandon Mercado



Keyur Rana and Brandon Mercado
Introduction to Engineering Design
Passaic County Technical Institute
April 5, 2017











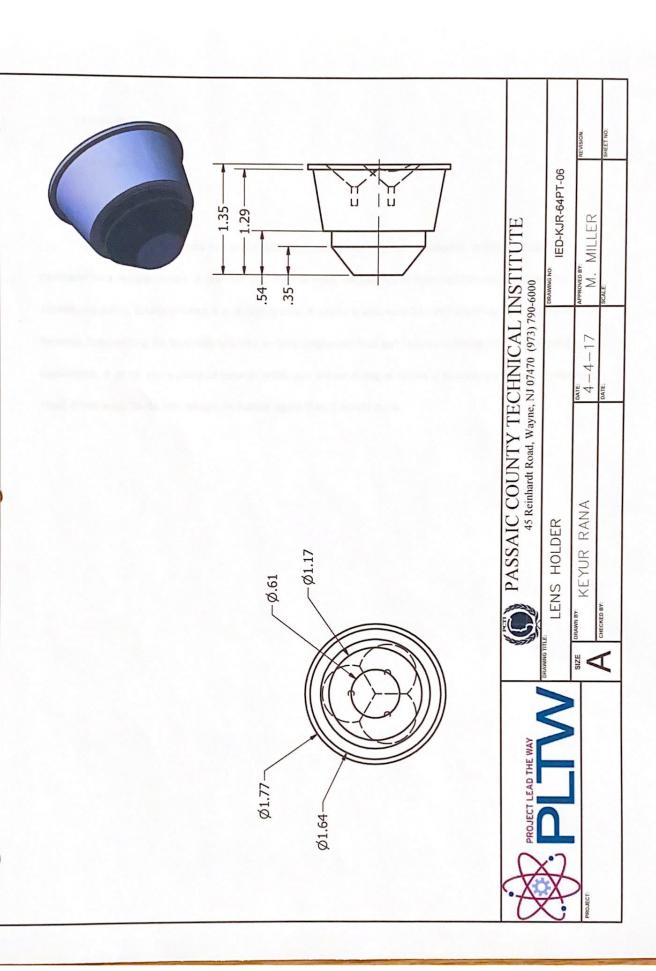
IED-KJR-64PT-05

M. MILLER



BASE

KEYUR RANA 44	
SIZE DRAWN BY:	CHECKED BY



Keyur Rana

Conclusion:

This project was pretty fun and it was interesting working with someone you don't talk to normally on a regular bases. It teaches you how to work backwards in terms of Reverse Engineering.

Identifying parts, disassembling it and telling how it works is was very fun and interesting things to do.

Reverse Engineering jus basically teaches us how Engineers find out how something works by working backwards. It gives you a point of view of what you will be doing in future if you are going to Engineering Field. If we were to do this project in future again then I would do it.



Activity 6.4 Product Disassembly Chart

Product Name: Flashlight

Group members: Keywe Rand

	35 35.5							
	General Notes (i.e.; wear, stress indicators)	*						
Brandon Mercado	Interaction with Other Parts	Top Connect	Connecto	Tin 1.000 279 Giver connetor plate gland 279 smooth piece			Aluminum. coo alg Silver Body	Body
Brano	Texture and Finish	Black Rough	Black Conn Rough Piece	Silvor Conne Smooth Piece			Silver Smooth	Black
	Mass or Weight	12.9	9.69	279			9.19	
	Density	198 Cm3	1.000 9/cm³	1,000 g/cm3			1.000 9/cm3	60001
	Material	ABS Maste	ABS 1.0003 9.69	Tinpplate			Aluminu	ABSTIC GILM 99
[H]	Function	bovers and protect	<i>W</i>	Holds everything	H-0.139"		Tars on and off off	Holds buttery
3129	Dimension s		0-1.536" H-2.049" 0-1.879"	H-5,355" D-1,374"	W-0.379+	1-0-0157	W-2.010" L-0.655" H. 0.391"	BD-1-418"
	Qty	0	-	_	+	7	_	
Date: Time:	Part Name (On nedov piece TOP Connedov		70P Connector	3 Body	Swith,	A Land	Switch Buthon	9 Base
	Part #	0	8	9	9	9	0	6
			,	- 0			-1.	

3

3

SS				2				
Gene ores	marcators)							
Interaction with Other Parts	Polylarbanog 8.7g Steel Piece	Glass Top Connector Transparent				Base		900
and	Silver Steel	CK1035 Transpare				Steel		
mass	8.79	59				2.0		
Mat Density	1,000 1,000 9/cm3	1.000°				1.000 9/cm3		
Mat	Polycarb	Glass				staines Steel		
Ho less - Function	Helps increase	Improves light				HOTES "Connects it staines 1.000 a.3 Steel B-0.525" to negative Terming/ Steel 9/cm? a		
Dimension s	H-(385" D-(1365")	H-0.055"				H-0735 11 D-1.465"		
Oty	-	_	+	+	+	_		
Pare Qty Dimension	LEDS. Holder	(ens	Plate	Board	ž Še D	Spring		
Part #	8	5	¥	+	4	_		
	9					90		

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