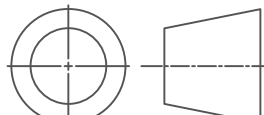


PARTS LIST					
ITEM	QTY	PART NUMBER	PART NAME	DESCRIPTION	MATERIAL
1	1	E27G6CS02	CASE	CASE WITH ADAPTER MOUNT	THERMOPLASTIC RESIN
2	1	E27G6CA02	CASE ATTACHMENT	ATTACHMENT TO BOTH CASE AND ACCESSORY	ACRYLIC
3	1	E27G6API02	API EXPANDER	BADE FOR HOW TO CONNECT ACCESSORY ATTACHMENTS	ACRYLIC
4	1	E27G6MC02	MONEY CLIP	ACCESSORY ATTACHMENT TO HOLD MONEY	ABS PLASTIC
5	1	E27G6LH02	LASER POINTER HOLDER	ACCESSORY ATTACHMENT TO HOLD LASER POINTER	ABS PLASTIC
6	1	E27G6LP02	LASER POINTER	LASER POINTER SOURCED FROM INNOZON LASER CAT TOY	MULTI- MATERIAL
7	2	E27G6MG01	MAGNET	MAGNET TO ALIGN AFTER INSERTION AND TURN. SOURCED FROM K&J MAGNETICS	IRON, GRAY

Notes

1. Part 3 is basis for how the accessory attachments will attach to the case attachment and is to be replaced with the differentt accessory attachments such as part 4 or 5. (shown in isometric views)
2. Laser pointer only to be included when accessory attachment for laser pointeris in use.

MATERIAL:	TOLERANCES, UNLESS NOTED		UNITS: IN	SCALE: 1:2	PART NO	GROUP
N/A	LINEAR:	± N/A	<div>US</div> <div>IMPERIAL</div> <div>US:B</div>	<div></div> <div>THIRD ANGLE PROJECTION</div>	<b>E27G6ASM02</b>	
MATERIAL ALTERNATE:	ANGLES:	± N/A			PART NAME: PHONE CASE ASSEMBLY	
N/A	RADII:	± N/A			PAGE # 1/2	Company: PROTECH SIX
HARDNESS: N/A	EDGE/CORNER BREAKS				DRAWN BY: SEBASTIAN B.	DATE:12/3/18
CASE DEPTH: N/A	OUTSIDE MAX:	N/A			CHECKED BY: Josh DeWitt	DATE:12/4/18
SURFACE TREATMENT:	INSIDE MAX:	N/A			APPROVED BY: Bradley Seamons	DATE:12/4/18
N/A	RADII, UNLESS NOTED: N/A		PERFORMANCE OF WORK FOR E27 PROTECTED SIX, OR ENGINEERING HOMEWORK. ALL QUESTIONS MUST BE REFERRED TO E27 GROUP 6.			
			INTERPRET GD&T TO:			ASME Y14.5



Technical drawing of a rectangular plate with a central square hole and a top slot. The drawing includes dimensions in inches and feature callouts A, B, C, and D. A feature control frame at the bottom left specifies a positional tolerance of .025 inches for features A, B, and C.

**Dimensions:**

- Overall width: 1.625in
- Overall height: 2.427in
- Central square hole side: 1.500in
- Distance from top edge to top of square hole: .250in
- Distance from right edge to right of square hole: .847in
- Top slot width: .404in
- Top slot depth: .893in
- Top slot radius: R.125in
- Top slot fillet radius: R.188in
- Right edge fillet radius: 8 x R.127in
- Top right corner radius: R.266in

**Feature Callouts:**

- A:** Points to the top edge of the plate.
- B:** Points to the bottom edge of the plate.
- C:** Points to the right edge of the plate.
- D:** Points to the top edge of the top slot.

**Feature Control Frame:**

$\oplus$	.025	A	B	C
----------	------	---	---	---

LD  
2:1

.481in

⌀.010 A B C

.477in

2 x R.168

.320in

.142in

The drawing shows a mechanical part with a curved profile. The main view is a side view with a vertical centerline. The part has a total width of .477in and a height of .481in. A detail view of the bottom edge shows a rectangular section with a width of .142in and a height of .320in. The detail view includes two fillets, each with a radius of R.168. A feature control frame indicates a positional tolerance of .010 in Feature Control Frame A, B, and C.

- Control Spline defines inner and outer case curve. See Apple release docs for control points.
- Case thickness is constant throughout shell.

MATERIAL:	TOLERANCES, UNLESS NOTED	
<b>RGD8340 - Resin</b>	LINEAR: ±	<b>.005</b>
MATERIAL ALTERNATE:	ANGLES: ±	<b>2</b>
<b>EPU60</b>	RADII: ±	<b>.003</b>
HARDNESS: <b>N/A</b>	EDGE/CORNER BREAKS	
CASE DEPTH: <b>N/A</b>	OUTSIDE MAX:	<b>.010</b>
SURFACE TREATMENT:	INSIDE MAX:	<b>.003</b>
<b>Waterjet cleaned</b>	RADII, UNLESS NOTED: <b>.063</b>	

US  
IMPERIAL  
US:B

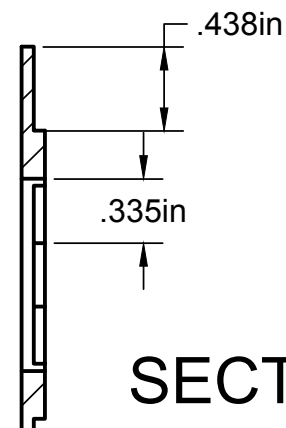
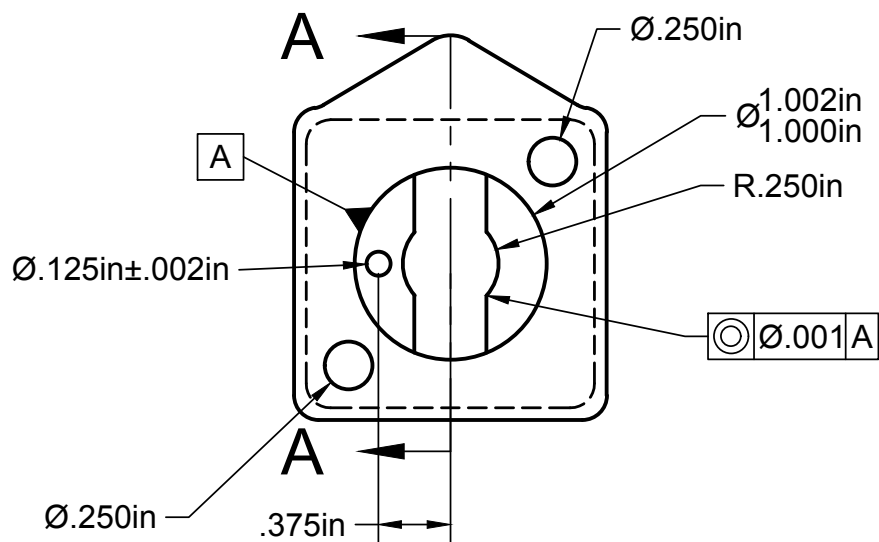
THIRD ANGLE PROJECTION

PART NAME: CASE	
PAGE # 1/1	Company: PROTECH SIX
DRAWN BY: Josh DeWitt	DATE: 12/3/18
CHECKED BY: Sebastian Baehr	DATE: 12/4/18
APPROVED BY: Bradley Seamons	DATE: 12/4/18
INTERPRET GD&T TO:	ASME Y14.5

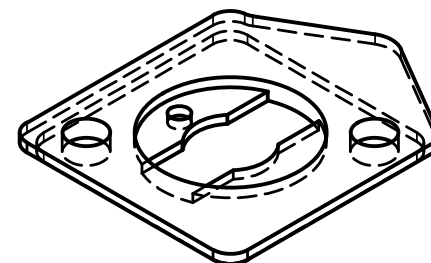
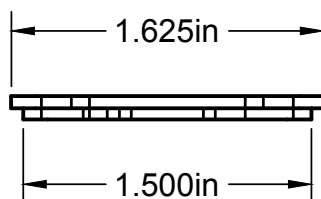
GROUP  
6

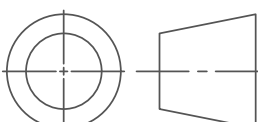


Part No: E27G6CA02  
Next Assem: E27G6ASM02



SECTION A-A  
SCALE 1:1

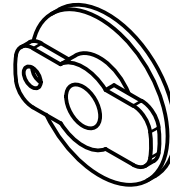
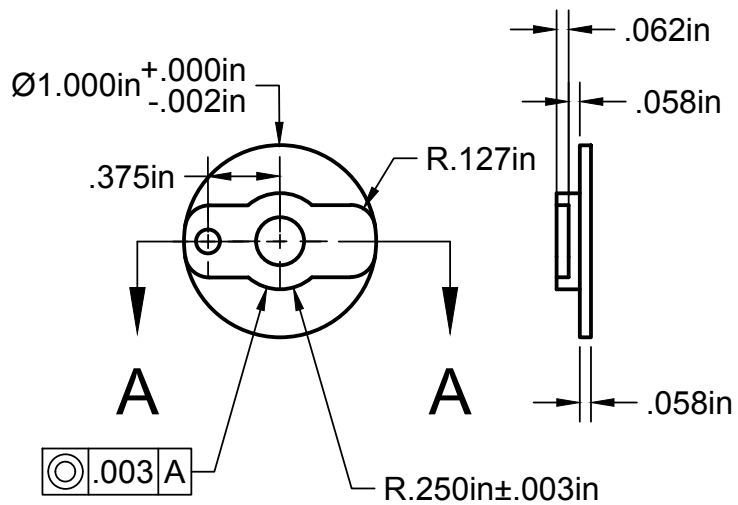
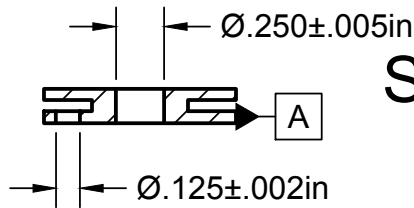


MATERIAL:	TOLERANCES, UNLESS NOTED		UNITS: IN <div>US</div> IMPERIAL US:A	SCALE: 1:1 <div></div> THIRD ANGLE PROJECTION	PART NO <b>E27G6CA02</b>		GROUP <b>6</b>		
Cast Acrylic	LINEAR:	± .005			PART NAME: CASE ATTACHMENT				
MATERIAL ALTERNATE:	ANGLES:	± .1			PAGE # 1/1		Company: PROTECH SIX		
Rigid Plastic	RADII:	± .0625			DRAWN BY: Bradley Seamons		DATE:12/3/18		
HARDNESS: N/A	EDGE/CORNER BREAKS				CHECKED BY: Sebastian Baehr		DATE:12/4/18		
CASE DEPTH: N/A	OUTSIDE MAX:	.010	APPROVED BY: Josh DeWitt						
SURFACE TREATMENT:	INSIDE MAX:	.002	DATE:12/4/18						
Glossy	RADII, UNLESS NOTED: .063		PERFORMANCE OF WORK FOR E27 PROTECTED SIX, OR ENGINEERING HOMEWORK. ALL QUESTIONS MUST BE REFERRED TO E27 GROUP 6.			INTERPRET GD&T TO:		ASME Y14.5	



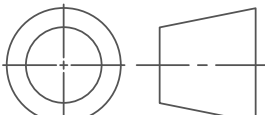
Part No: E27G6API02  
Next Assem: E27G6ASM02

## SECTION A-A SCALE 1:1



### Notes:

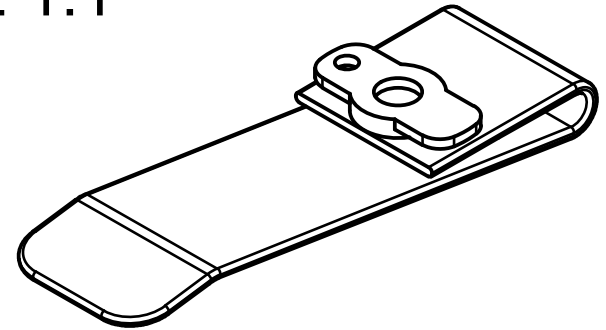
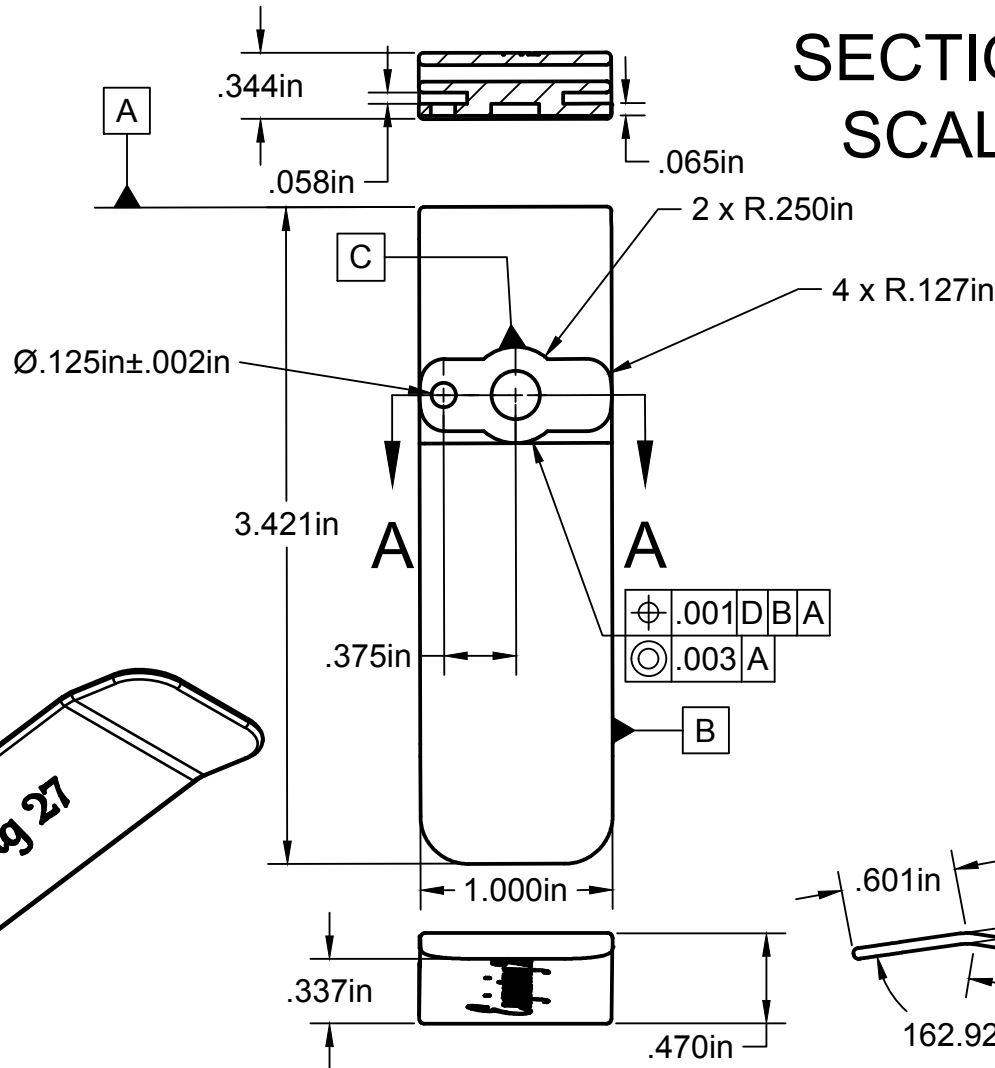
- API for developing new hardware attachments.
- Center hole for alignment - use .25in dowel pin
- Thickness is optimized for 1/16in acrylic layered together with acrylic cement
- Hole for magnet

MATERIAL:	TOLERANCES, UNLESS NOTED		UNITS: IN	SCALE: 1:1	PART NO	GROUP	
Rigid Plastic	LINEAR:	± .005	<div>US</div> <div>IMPERIAL</div> <div>US:A</div>	<div></div> <div>THIRD ANGLE PROJECTION</div>	E27G6API02	6	
MATERIAL ALTERNATE:	ANGLES:	± .1			PART NAME: API EXPANDER		
Cast Acrylic	RADII:	± .03125			PAGE # 1/1	Company: PROTECH SIX	
HARDNESS: N/A	EDGE/CORNER BREAKS				DRAWN BY: Josh DeWitt	DATE: 12/3/18	
CASE DEPTH: N/A	OUTSIDE MAX:	.010			CHECKED BY: Sebastian Baehr	DATE: 12/4/18	
SURFACE TREATMENT:	INSIDE MAX:	.002	APPROVED BY: Bradley Seamon			DATE: 12/4/18	
Glossy	RADII, UNLESS NOTED: .063		INTERPRET GD&T TO:			ASME Y14.5	

PERFORMANCE OF WORK FOR E27 PROTECTED SIX, OR ENGINEERING HOMEWORK. ALL QUESTIONS MUST BE REFERRED TO E27 GROUP 6.

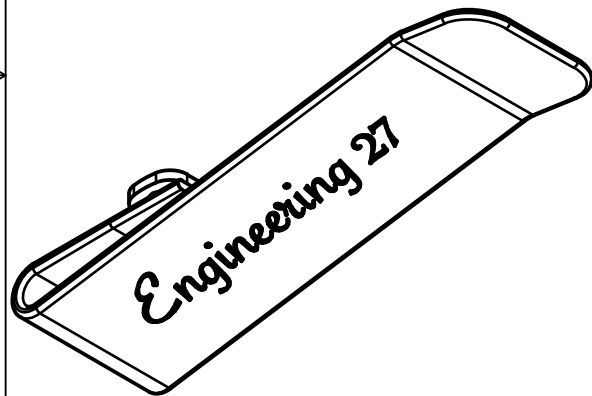
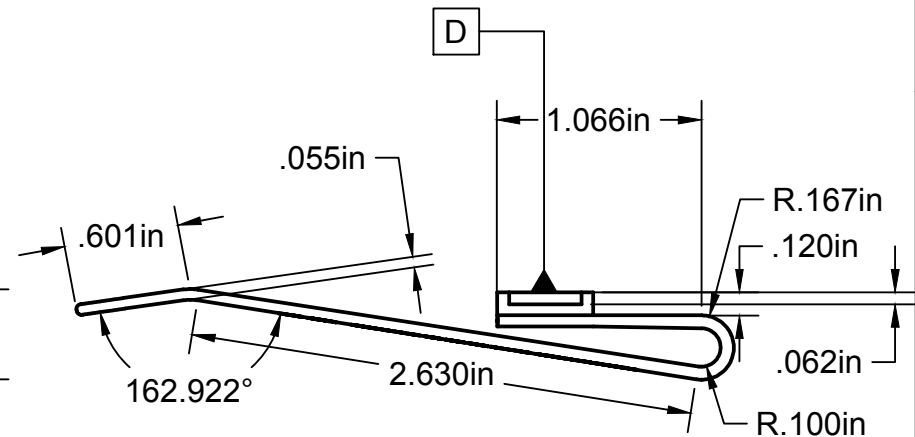
# SECTION A-A SCALE 1:1


Part No: E27G6MC02  
Next Assem: E27G6ASM02



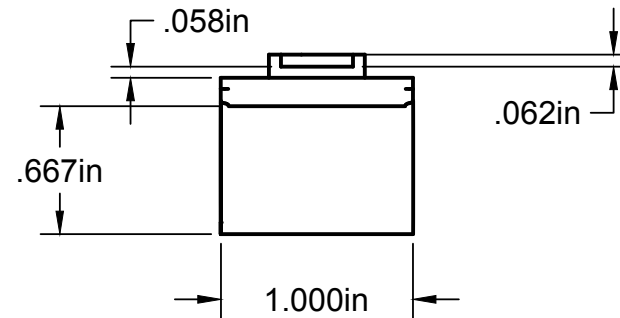
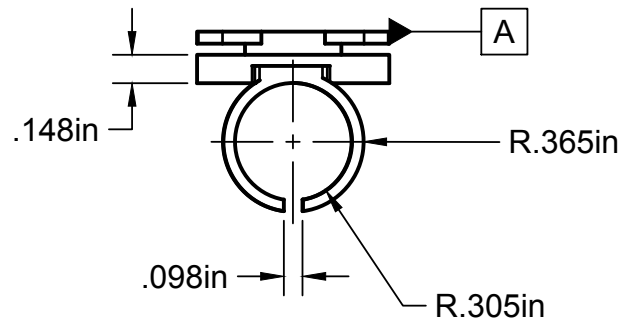
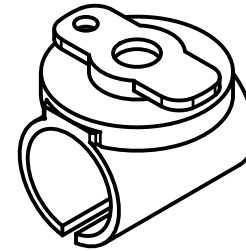
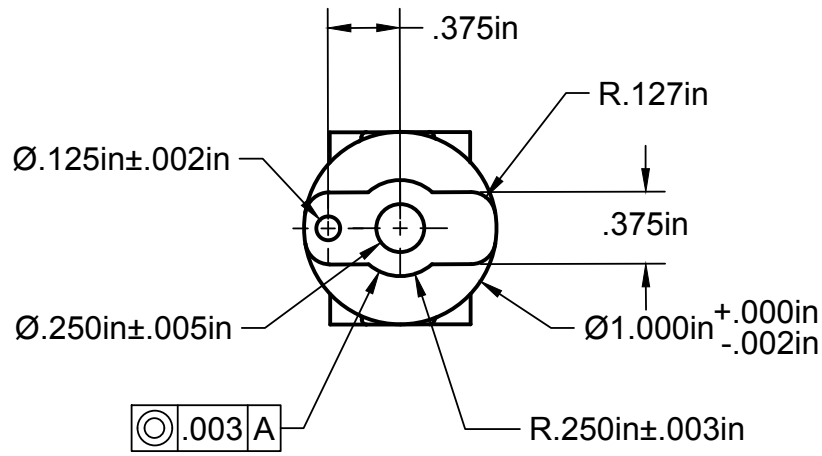
Notes:

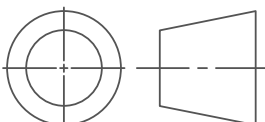
Text is in Savoye LET, size .375in



MATERIAL:	TOLERANCES, UNLESS NOTED		UNITS: IN	SCALE: 1:1	PART NO	GROUP	
RGD8345 Resin	LINEAR:	± .005	<div>US</div> <div>IMPERIAL</div> <div>US:A</div>	<div></div> <div>THIRD ANGLE PROJECTION</div>	E27G6MC02	6	
MATERIAL ALTERNATE:	ANGLES:	± .1			PART NAME: MONEY CLIP		
PLA Plastic	RADII:	± .03125			PAGE # 1/1	Company: PROTECH SIX	
HARDNESS: N/A	EDGE/CORNER BREAKS				DRAWN BY: CALEB WRIGHT	DATE:12/3/18	
CASE DEPTH: N/A	OUTSIDE MAX:	.010			CHECKED BY: Josh DeWitt	DATE:12/4/18	
SURFACE TREATMENT:	INSIDE MAX:	.002	APPROVED BY: S P Baehr			DATE:12/4/18	
Waterjet cleaned	RADII, UNLESS NOTED: .025		PERFORMANCE OF WORK FOR E27 PROTECTED SIX, OR ENGINEERING HOMEWORK. ALL QUESTIONS MUST BE REFERRED TO E27 GROUP 6.			INTERPRET GD&T TO: ASME Y14.5	

Part No: E27G6LH02  
 Next Assem: E27G6ASM02



MATERIAL:	TOLERANCES, UNLESS NOTED		UNITS: IN	SCALE: 1:1	PART NO	GROUP	
ABS plastic	LINEAR:	± .005	<div>US</div> <div>IMPERIAL</div> <div>US:A</div>	<div></div> <div>THIRD ANGLE PROJECTION</div>	E27G6LH02	6	
MATERIAL ALTERNATE:	ANGLES:	± .1			PART NAME: LASER POINTER HOLDER		
Acrylic and PLA	RADII:	± .03125			PAGE # 1/1	Company: PROTECH SIX	
HARDNESS: N/A	EDGE/CORNER BREAKS				DRAWN BY: Uriel Barragan	DATE: 12/3/18	
CASE DEPTH: N/A	OUTSIDE MAX:	.010	CHECKED BY: Josh DeWitt				
SURFACE TREATMENT:	INSIDE MAX:	.002	DATE: 12/4/18				
Sanded clean	RADII, UNLESS NOTED: .025		APPROVED BY: SP Baehr				
			DATE: 12/4/18				
			INTERPRET GD&T TO: ASME Y14.5				