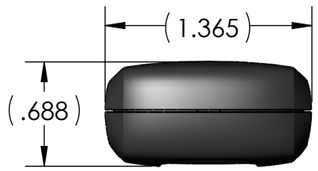
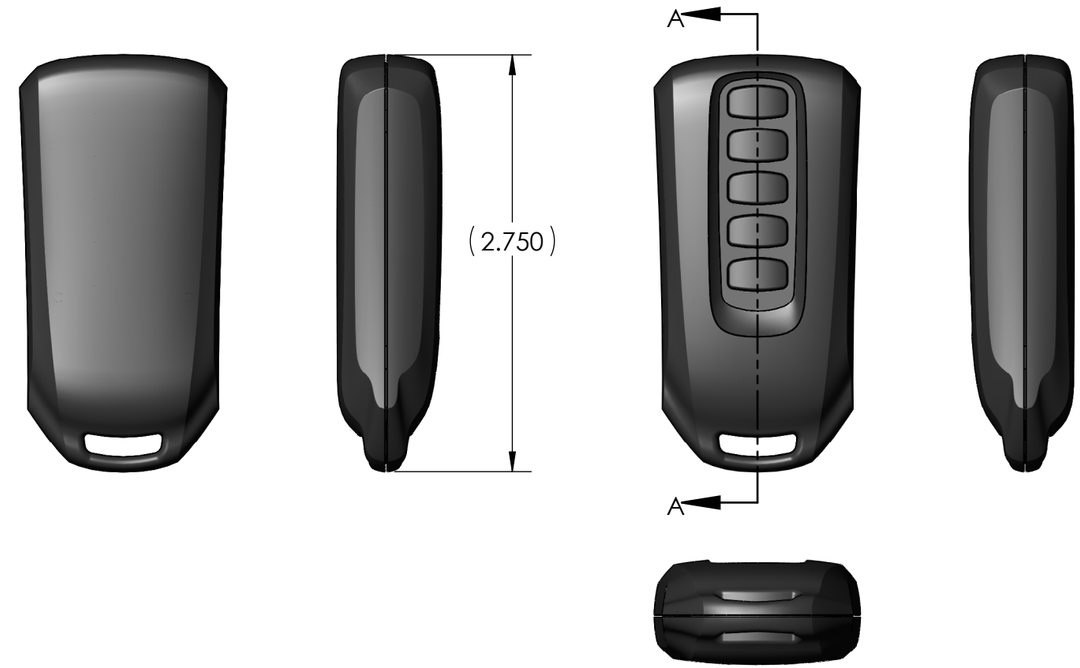
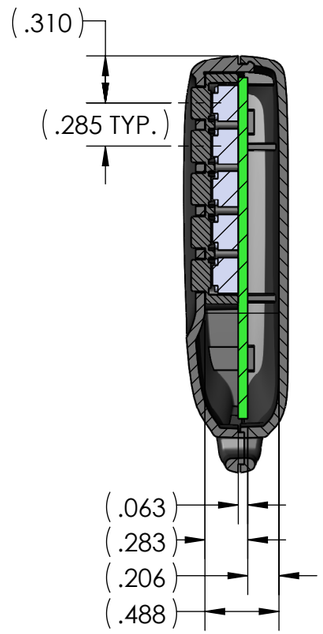
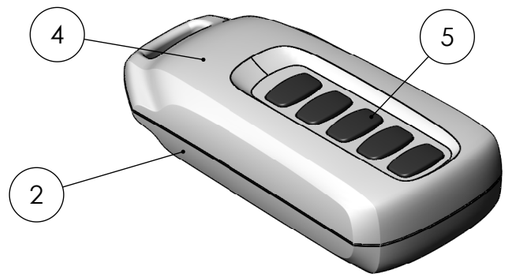
ITEM NO.	PART NUMBER	Rev	DESCRIPTION	Material	MaterialSpec	Color	FlameRating	FB-45-5/QTY.	FB-45-5*14/QTY.
1	FB-45B	-	BASE	ABS	/ABS/PA765/BK	BLACK	UL94V-0	1	-
2	FB-45B*14	-	BASE	ABS	/ABS/PA765/WH	WHITE	UL94V-0	-	1
3	FB-45C-5	-	COVER, 5 BUTTON	ABS	/ABS/PA765/BK	BLACK	UL94V-0	1	-
4	FB-45C-5*14	-	COVER, 5 BUTTON	ABS	/ABS/PA765/WH	WHITE	UL94V-0	-	1
5	FB-45PAD-5	-	5 BUTTON KEYPAD	SHIN ETSU KE-951U Silicone		MATTE BLACK		1	1



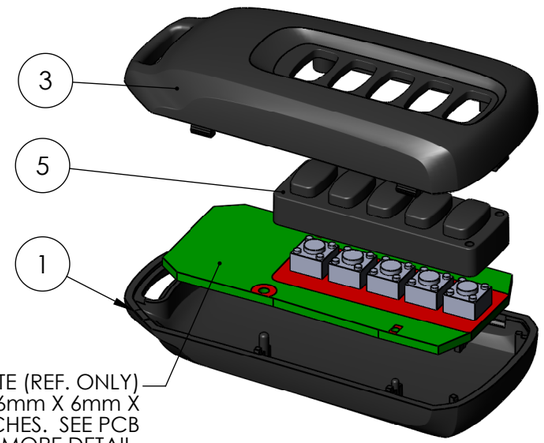


SECTION A-A





PART NUMBER: FB-45-5*14
FLAME RATING: UL94V-0



FB-45-5-PCB: PCB TEMPLATE (REF. ONLY)
DESIGNED FOR USE WITH 6mm X 6mm X 4.3mm TACTILE SWITCHES. SEE PCB TEMPLATE DRAWING FOR MORE DETAIL.

PART NUMBER: FB-45-5
FLAME RATING: UL94V-0

REV.	DESCRIPTION	ZONE	BY	APPR'D	DATE
REVISIONS					

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: INCHES[mm]
TOLERANCES: ANGULAR: ±2°
TWO PLACE DECIMAL: ±.010
THREE PLACE DECIMAL: ±.005
PRINTED GRAPHICS: ±.010

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF POLYCASE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POLYCASE IS PROHIBITED.

CAD FILE: FB-45-5

PART NO.
FB-45-5

MATERIAL

FLAME RATING
UL94V-0

	NAME	DATE
DRAWN	D.M.F.	6/13/2011
CHECKED	B.M.B.	9/8/2011

SIZE
B

SCALE: 1:1

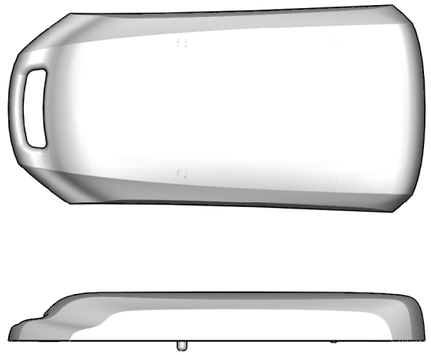
polycase
1305 CHESTER IND. PARKWAY AVON, OHIO 44011-1083 U.S.A.
PH#: 1-800-248-1233, 440-934-0444 FAX#: 440-934-0088

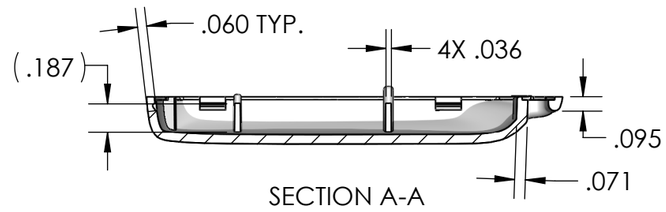
FB-45, 5 BUTTON

REV
-

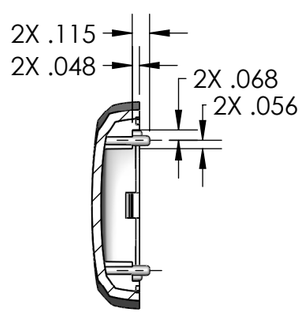
SHEET 1 OF 1

TOLERANCE CHART			
DIMENSION RANGE		6 SIGMA	
		TOOL DEPENDENT	NON-TOOL DEPENDENT
.000	.040	±.0018	±.0042
.040	.120	±.0024	±.0054
.120	.240	±.0030	±.0060
.240	.390	±.0036	±.0066
.390	.590	±.0042	±.0072
.590	.870	±.0048	±.0072
.870	1.180	±.0054	±.0078
1.180	1.570	±.0060	±.0084
1.570	2.090	±.0072	±.0096
2.090	2.760	±.0078	±.0108
2.760	3.540	±.0090	±.0120
3.540	4.700	±.0108	±.0132
4.700	6.300	±.0126	±.0150
6.300	7.870	±.0150	±.0180

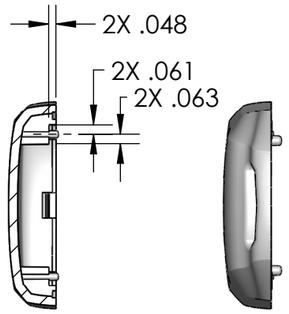




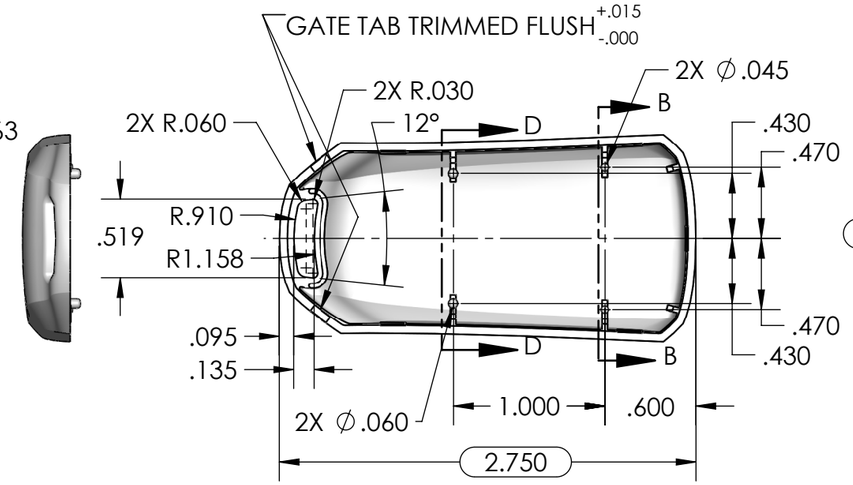
SECTION A-A

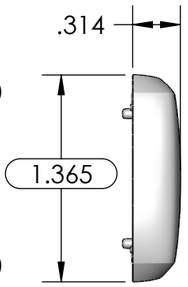


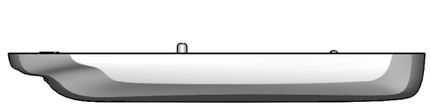
SECTION D-D

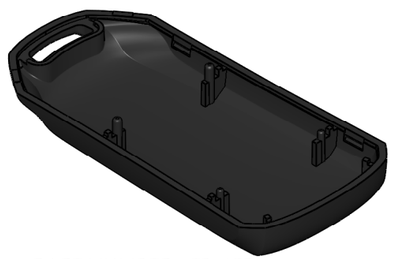


SECTION B-B

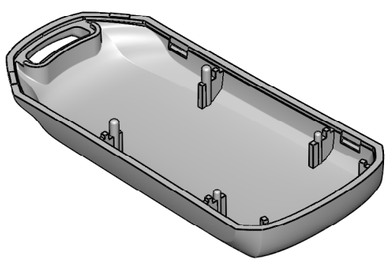








PART NUMBER: FB-45B
MATERIAL: ABS
MATERIAL SPEC: /ABS/PA765/BK
COLOR: BLACK
FLAME RATING: UL94V-0



PART NUMBER: FB-45B*14
MATERIAL: ABS
MATERIAL SPEC: /ABS/PA765/WH
COLOR: WHITE
FLAME RATING: UL94V-0

NOTES:
1. REFER TO SOLID MODEL FOR COMPLETE PART DEFINITION.
2. (INSPECTION DIMENSION)
3. EJECTOR PINS TO BE FLUSH ±.015
4. FLASH NOT TO EXCEED .005

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: INCHES[mm]
TOLERANCES: ANGULAR: ±2°
TWO PLACE DECIMAL: ±.010
THREE PLACE DECIMAL: ±.005
PRINTED GRAPHICS: ±.010

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF POLYCASE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POLYCASE IS PROHIBITED.

CAD FILE: FB-45B

PART NO.
AS NOTED

MATERIAL
AS NOTED

FLAME RATING
AS NOTED

SIZE
B

	NAME	DATE
DRAWN	D.M.F.	2/23/2011
CHECKED	B.M.B.	3/15/2011

polycase
1305 CHESTER IND. PARKWAY AVON, OHIO 44011-1083 U.S.A.
PH#: 1-800-248-1233, 440-934-0444 FAX#: 440-934-0088

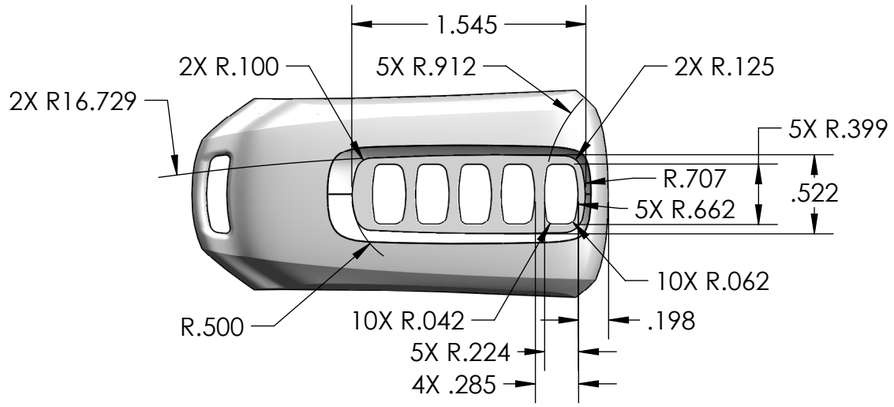
BASE

REV
-

SCALE: 1:1

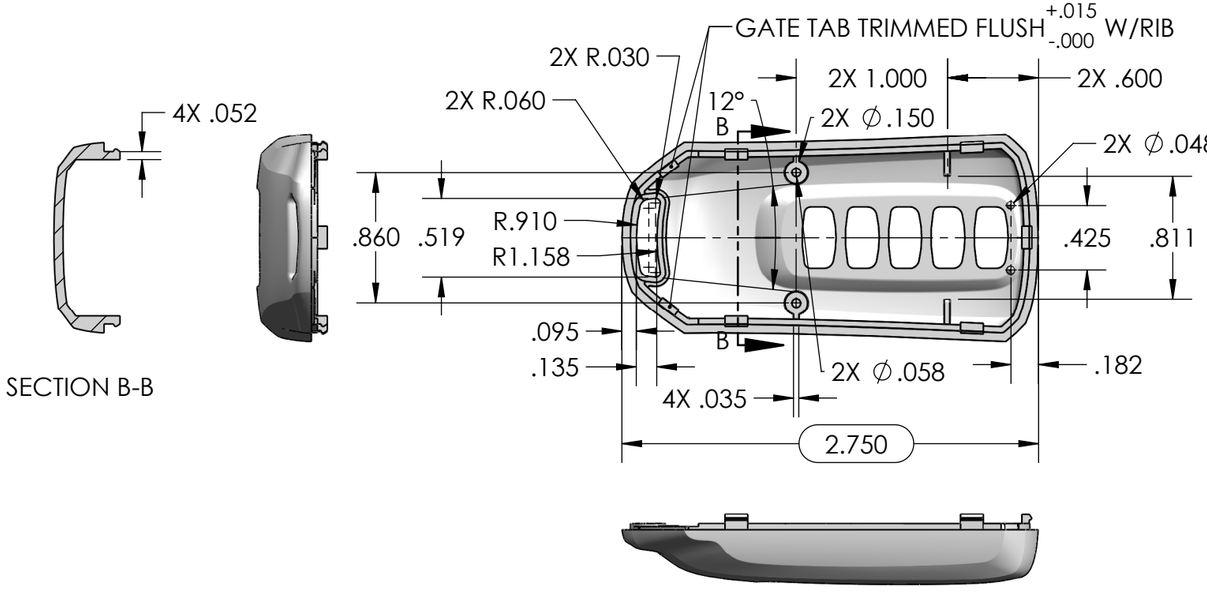
SHEET 1 OF 1

TOLERANCE CHART			
DIMENSION RANGE		6 SIGMA	
		TOOL DEPENDENT	NON-TOOL DEPENDENT
.000	.040	±.0018	±.0042
.040	.120	±.0024	±.0054
.120	.240	±.0030	±.0060
.240	.390	±.0036	±.0066
.390	.590	±.0042	±.0072
.590	.870	±.0048	±.0072
.870	1.180	±.0054	±.0078
1.180	1.570	±.0060	±.0084
1.570	2.090	±.0072	±.0096
2.090	2.760	±.0078	±.0108
2.760	3.540	±.0090	±.0120
3.540	4.700	±.0108	±.0132
4.700	6.300	±.0126	±.0150
6.300	7.870	±.0150	±.0180

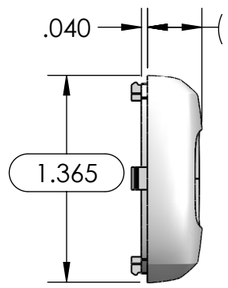


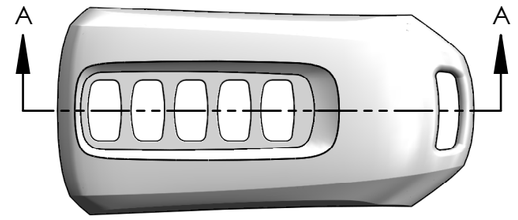
PART NUMBER: FB-45C-5*14
MATERIAL: ABS
MATERIAL SPEC: /ABS/PA765/WH
COLOR: WHITE
FLAME RATING: UL94V-0

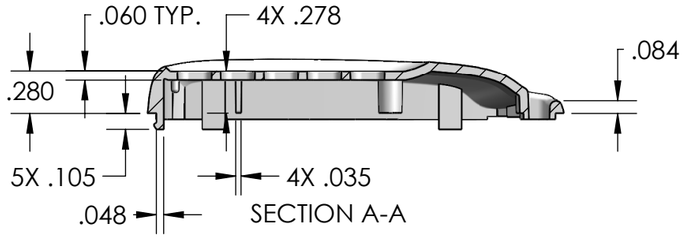
PART NUMBER: FB-45C-5
MATERIAL: ABS
MATERIAL SPEC: /ABS/PA765/BK
COLOR: BLACK
FLAME RATING: UL94V-0



SECTION B-B







SECTION A-A

NOTES:
1. REFER TO SOLID MODEL FOR COMPLETE PART DEFINITION.
2. (INSPECTION DIMENSION)
3. EJECTOR PINS TO BE FLUSH ±.015
4. FLASH NOT TO EXCEED .005

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: INCHES[mm]
TOLERANCES: ANGULAR: ±2°
TWO PLACE DECIMAL: ±.010
THREE PLACE DECIMAL: ±.005
PRINTED GRAPHICS: ±.010

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF POLYCASE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POLYCASE IS PROHIBITED.

CAD FILE: FB-45C-5

PART NO.
AS NOTED

MATERIAL
AS NOTED

FLAME RATING
AS NOTED

SIZE
B

	NAME	DATE
DRAWN	D.M.F.	2/23/2011
CHECKED	B.M.B.	3/15/2011

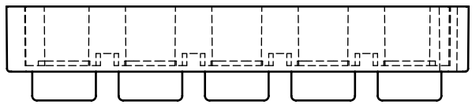
polycase
1305 CHESTER IND. PARKWAY AVON, OHIO 44011-1083 U.S.A.
PH#: 1-800-248-1233, 440-934-0444 FAX#: 440-934-0088

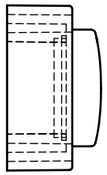
COVER, 5 BUTTON

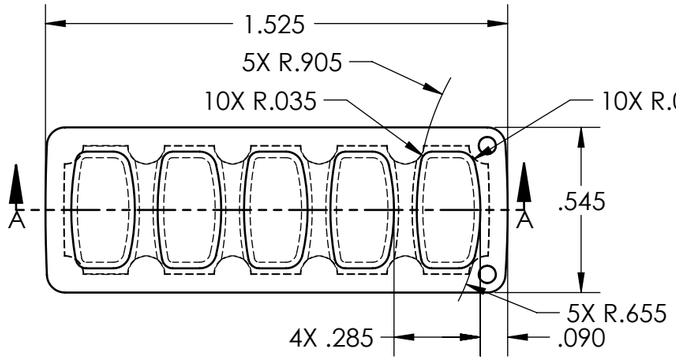
REV
-

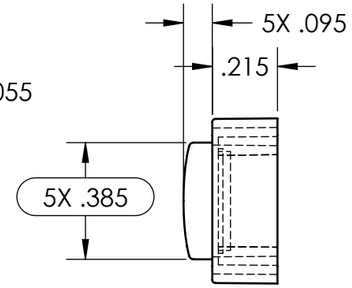
SCALE: 1:1

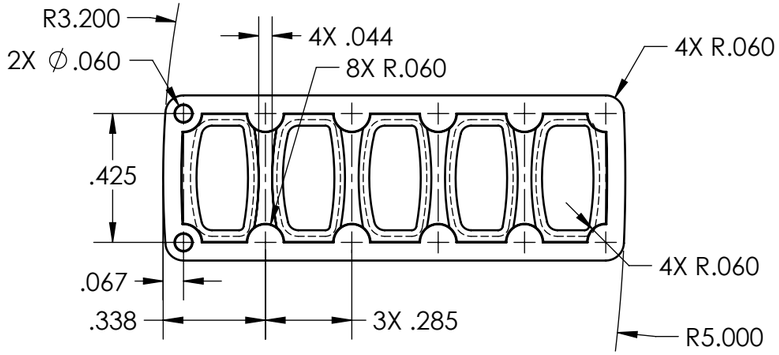
SHEET 1 OF 1

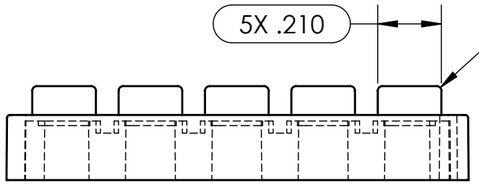


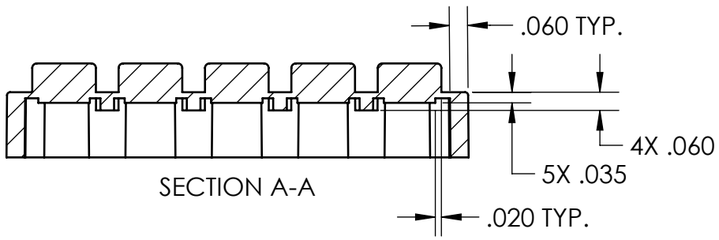






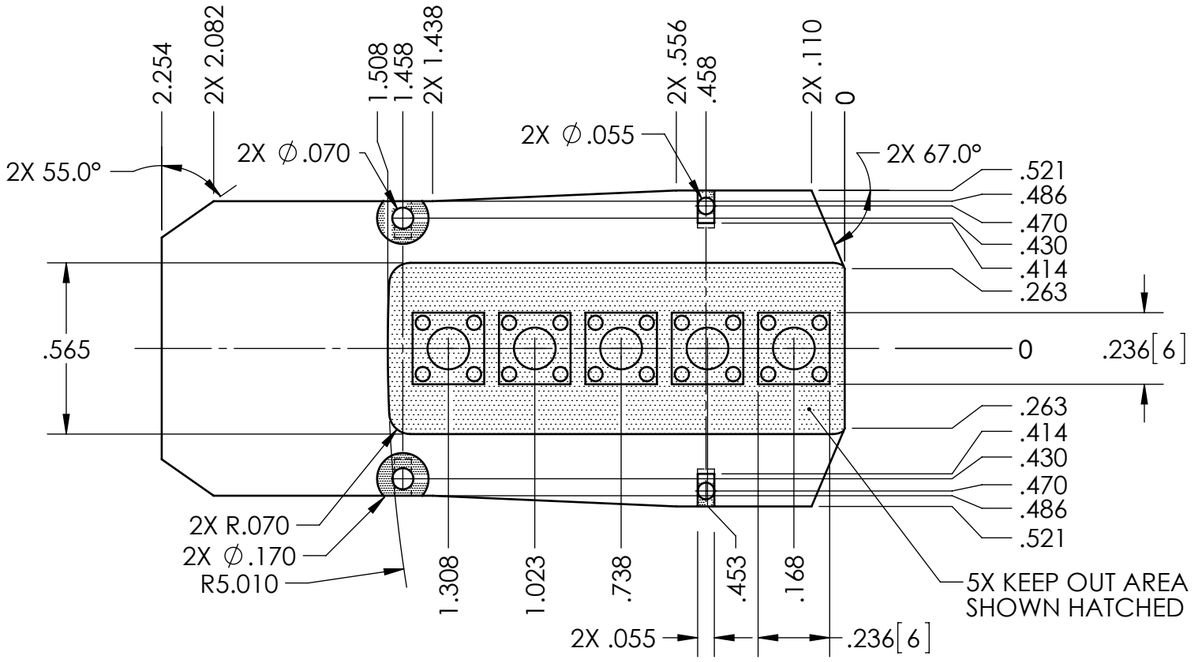


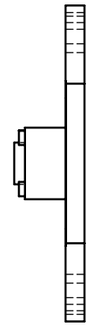


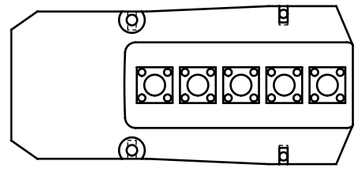


NOTES:
1. COLOR: MATTE BLACK
2. HARDNESS: 60 SHORE A
3. REFER TO SOLID MODEL FOR UNSPECIFIED DATA.
4. (INSPECTION DIMENSION)

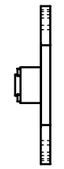
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN: INCHES[mm] TOLERANCES: ANGULAR: ±2° TWO PLACE DECIMAL: ±.010 THREE PLACE DECIMAL: ±.005 PRINTED GRAPHICS: ±.010	PART NO. FB-45PAD-5	polycase 1305 CHESTER IND. PARKWAY AVON, OHIO 44011-1083 U.S.A. PH#: 1-800-248-1233, 440-934-0444 FAX#: 440-934-0088	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF POLYCASE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POLYCASE IS PROHIBITED.	MATERIAL SHIN ETSU KE-951U Silicone		
	FLAME RATING	SIZE B	5 BUTTON KEYPAD / REV -
	NAME / DATE		
CAD FILE: FB-45PAD-5	DRAWN D.M.F. 3/15/2011	SCALE: 2:1	SHEET 1 OF 1
	CHECKED B.M.B. 3/15/2011		





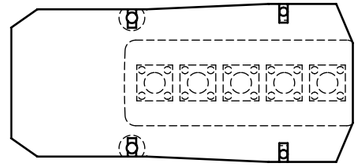


SCALE 1 : 1

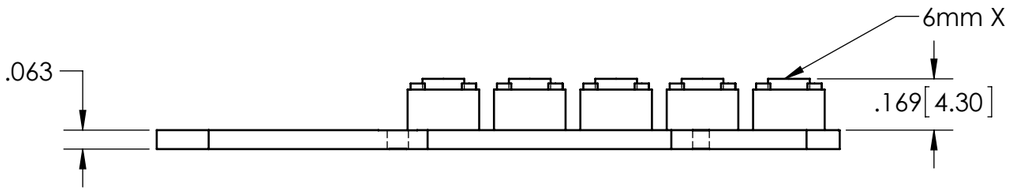


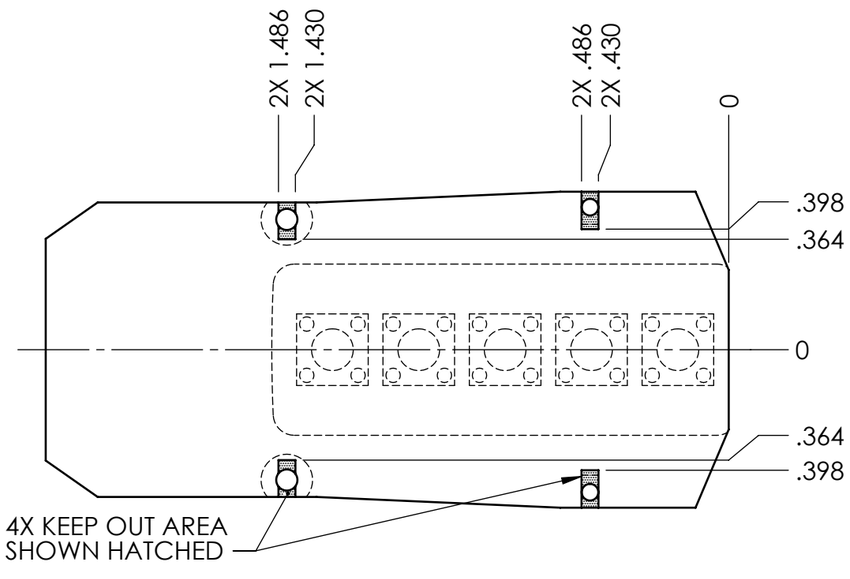
SCALE 1 : 1

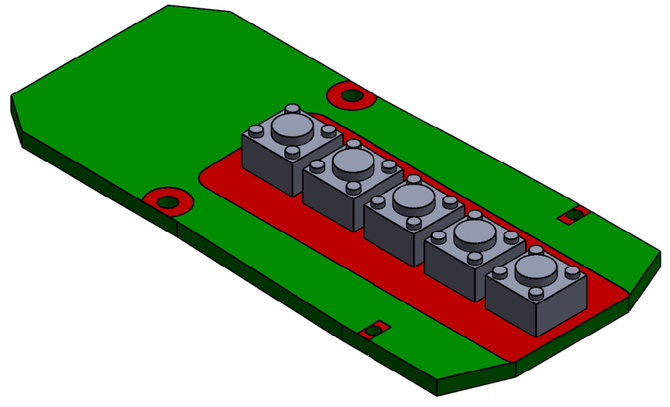
SCALE 1 : 1



SCALE 1 : 1







NOTES:
1. SUGGESTED BATTERY: 20mm COIN CELL

REVISIONS					
REV.	DESCRIPTION	ZONE	BY	APPR'D	DATE

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: INCHES[mm]
TOLERANCES: ANGULAR: ±2°
TWO PLACE DECIMAL: ±.010
THREE PLACE DECIMAL: ±.005
PRINTED GRAPHICS: ±.010

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF POLYCASE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POLYCASE IS PROHIBITED.

CAD FILE: FB-45-5-PCB

PART NO.
FB-45-5-PCB

MATERIAL

FLAME RATING

	NAME	DATE
DRAWN	D.M.F.	8/19/2011
CHECKED	B.M.B.	9/8/2011

SIZE B

SCALE: 2:1

polycase
1305 CHESTER IND. PARKWAY AVON, OHIO 44011-1083 U.S.A.
PH#: 1-800-248-1233, 440-934-0444 FAX#: 440-934-0088

PCB TEMPLATE (REF. ONLY)

REV -

SHEET 1 OF 1

Enable 3D View