

PORTABLE VIDEO AND IMAGING SYSTEM

Summary

Embodiments of the present invention relate to a portable system for recording videos and still images. The portable video and imaging system is configured to be worn on a user's person and is therefore relatively lightweight and small. The system comprises two interconnected portions, a base portion including power and data storage components and a smaller camera portion including a camera and various user interface components for enabling the user to control the system. The camera portion is connected to the base portion via a cable such that the user may carry or attach the base portion at a first location on the user's person, such as a shirt pocket or holster, and may attach the camera portion at a second location, such as a lapel or shirt button. Multiple interchangeable attachment elements may be used with the camera portion, including an alligator clip and a button mount, to attach the camera portion to the user.

Description of the Drawing Sheets

Sheet 1 presents various views and dimensions of a first side of a housing of the base portion.

Sheet 2 presents various views and dimensions of a second side of the base portion housing.

Sheet 3 presents various views and dimensions of a battery cover for use with the second side of the base portion housing.

Sheet 4 presents various views and dimensions of a screw-concealing cap for use with the base portion housing.

Sheet 5 presents various views and dimensions of a USB cover associated with the base portion housing.

Sheet 6 presents various views and dimensions of an LED light pipe for use with the base portion housing.

Sheet 7 presents various views and dimensions of a first side of an alligator clip configured to secure the camera portion to a user.

Sheet 8 presents various views and dimensions of a second side of the alligator clip.

Sheet 9 presents various views and dimensions of a first button for use with a housing of the camera portion.

Sheet 10 presents various views and dimensions of a front side of the camera portion housing.

Sheet 11 presents various views and dimensions of a back side of the camera housing.

Sheet 12 presents various views and dimensions of a slide switch for use with the camera portion housing.

Sheet 13 presents various views and dimensions of a second button for use with the camera portion housing.

Sheet 14 presents various views and dimensions of an LED light pipe for use with the camera portion housing.

Sheet 15 presents various views and dimensions of a button mount for use with the base unit.

Sheet 16 presents various views and dimensions of a retention clip for use with the button mount.

Sheet 17 presents an isometric view of an alligator clip assembly including the front side of the clip, the back side of the clip, a spring for biasing the clip in a closed position and a spring pin.

Sheet 18 presents an isometric exploded view of the base portion.

Sheet 19 presents an isometric exploded view of the camera portion.

Description

Embodiments of the portable video and imaging system include a base portion and a camera connected to the base portion via one or more cables. The base portion includes, among other things, power and data storage components and electric connector ports. The camera portion includes, among other things, image and audio capture components and circuitry, including an image sensor, a microphone and user interface elements for enabling the user to control the system.

The base portion includes a power component, such as a battery, and a data storage component, such as flash memory or other data storage technology. The power component is rechargeable and provides power to the base portion as well as the camera portion. The data storage component stores video and image data generated by the camera portion as well as metadata associated with the image and video data. A first physical port on the base portion enables connection to the camera and a second

physical port enables connection to a computer. The latter of the physical ports may be used to charge the battery. The physical ports may be, for example, mini USB ports. The base portion may also include an interface for receiving an external storage component such as a memory card, wherein video and image data may be stored in internal storage.

The base portion is preferably relatively small with a low profile and configured to fit in a wearer's pocket, in a holster situated on the user's belt, or other location. By way of example, the base portion is preferably between one and three inches wide, between two and five inches in height, and between one-tenth and one-half of an inch thick. The base portion may include a display for viewing images and videos or may be configured without a display. The illustrated embodiment of the base portion omits the display. It will be appreciated that omitting the display enables the base portion to be smaller, lighter and less complex than if it included a display.

The base portion further includes one or more visual indicators, such as light emitting diodes (LEDs) or other devices for creating a visual indicator for indicating a mode of operation such as recording versus not recording, a status of the battery, a status of the data storage component, or the status or mode of operation of other components or functions of the base portion.

The base portion may include one or more wireless interfaces for communicating with the camera portion (as explained below), with a base station, or both. A base station may be operable to store video data and images captured by the portable video and imaging system and may be located, for example, in a vehicle or in a building. The one or more wireless interfaces may be configured to communicate using the Bluetooth

or Wi-Fi communications protocols, or may be configured to communicate via a cellular telecommunications network. It will be appreciated by those skilled in the art that various communications technologies and protocols may be used without departing from the spirit or scope of the invention.

The camera portion is configured to be attached to the user's person, such as the user's clothes, to capture video or images during use and communicate the image or video data to the base portion for storage. The camera includes an image sensor and associated components, such as an electronic controller and a lens, as well as a microphone or other component for capturing audio. The camera also includes various user interface components for enabling the user to control operation of the system via the camera portion. In the illustrated embodiment, a first button located on a side of the camera starts and stops a recording function, a second button located on the front of the camera causes the camera to "bookmark" a video during video recording, and a slide switch located on a side of the camera portion mutes the audio when in a first position and enables audio capture when in a second position.

A "bookmark" in a video captured by the camera is stored as video metadata and indicates a time in the video corresponding to the time when the user depressed the bookmark button. The bookmark may be useable, for example, by a computer running software that enables a user to view the video once transferred to the computer from the base portion. Such software would enable the user to jump to a bookmark or start the video at or near the bookmarked location. The bookmark function may be useful to law enforcement personnel, for example, who witness an event of particular interest and desire to indicate a time of the event in the video. The audio mute function may also be

desirable to law enforcement personnel who are required to avoid capturing audio data of other persons under certain circumstances, such as where the law requires law enforcement personal to inform a person prior to capturing audio data of that person.

The camera portion includes a fastening device for attaching the camera portion to a user's clothes. Two different interchangeable fastening devices for use with the camera portion are illustrated in the attached drawings. A first attaching device is an alligator clip illustrated in drawing sheets 7, 8 and 17. A second fastening device is a button mount illustrated in drawing sheets 15 and 16. The button mount includes a slot for receiving a button and a retention clip (drawing sheet 16) that engages the slot prevents the button from sliding out of the slot, thus securing the button mount on the user's button during use. Both of the fastening devices are rotatable relative to the camera portion when attached to the camera portion, allowing the user to rotate the camera portion relative to his or her person once the camera is attached.

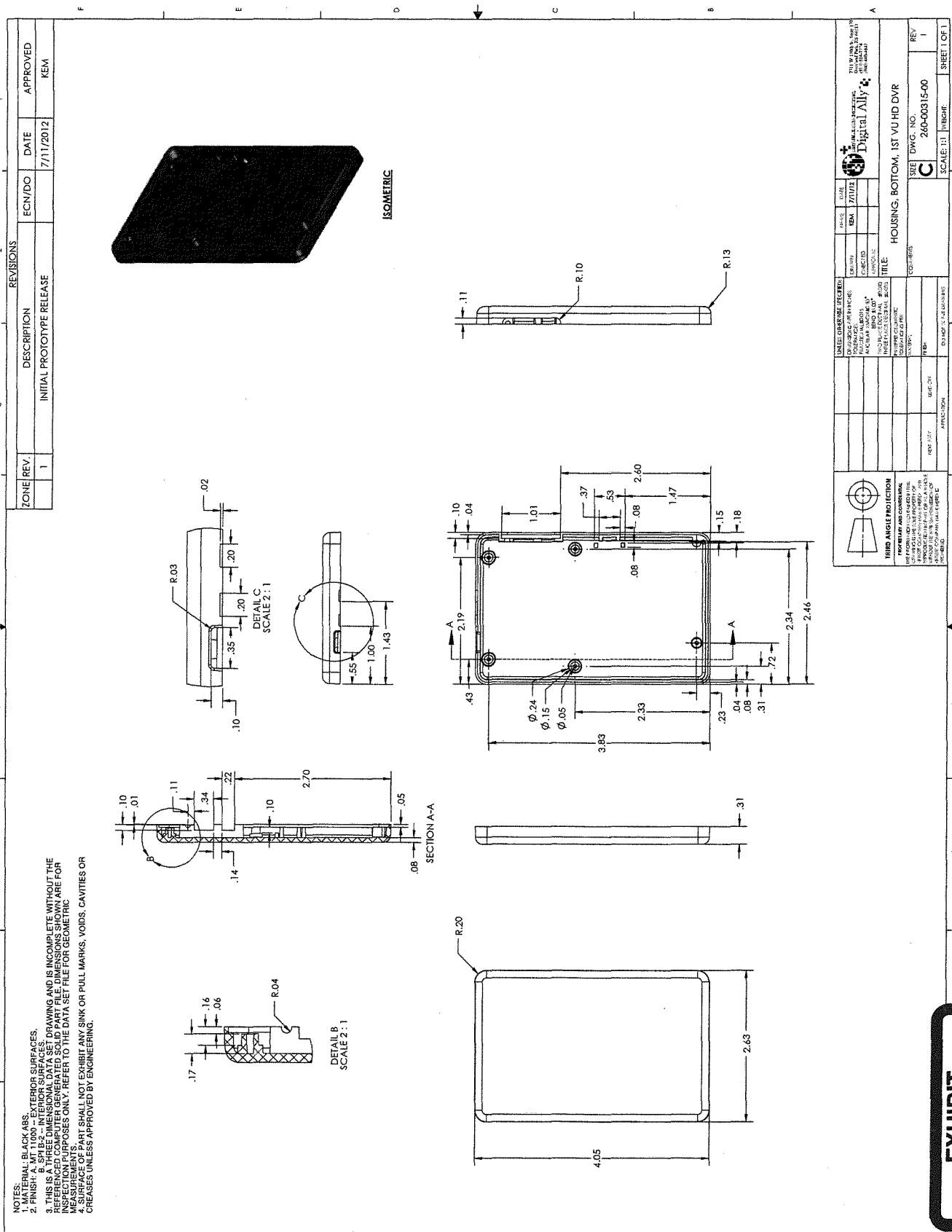
The camera is configured to operate with relatively little ambient light. In particular, the camera includes a high-sensitivity image sensor, related circuitry and lens operable to capture images and video at 0.0687 lux. Stated differently, the minimum lux Lux_{min} perceptible to the camera is defined as $Lux_{min} = (10 \times V_{dark})/V_{response}$ and is 0.0687, where V_{dark} is the voltage generated by one pixel of the image sensor in the absence of light and $V_{response}$ is voltage generated by the pixel when exposed to one lumen of light.

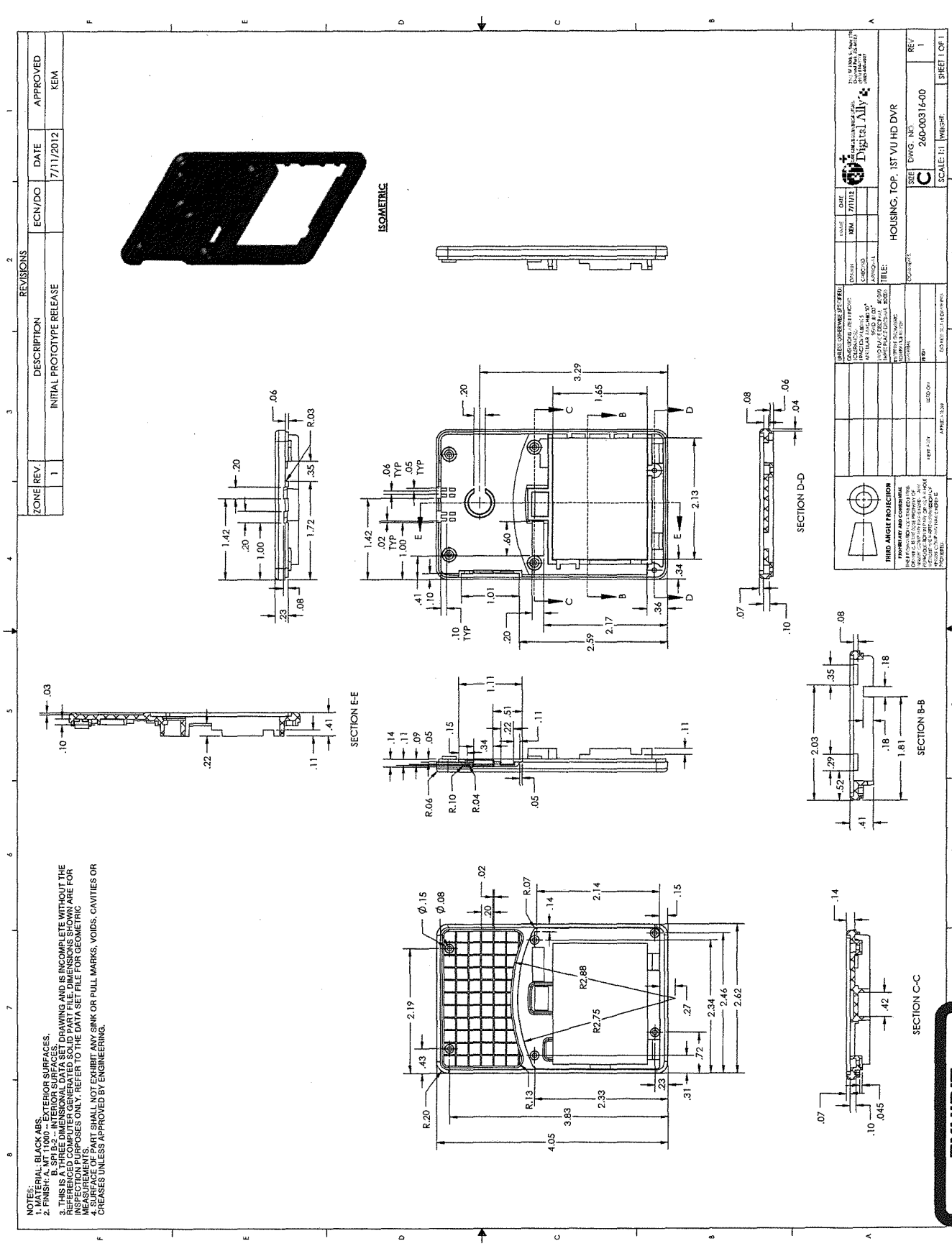
The camera portion is connected to the base portion via a cable configured to transmit data and power between the camera portion and the base portion. Because the cable can be disconnected from the camera portion, the base portion, or both, the

camera portion and the base portion may be physically and electrically separated for storage or to swap out the camera portion or the base portion.

The system includes a covert mode wherein all or some of the notifications communicated to the user are done via vibrations. The vibratory notifications may replace visible indicators such as LEDs or audible indicators such as beeps.

While the portable video and imaging system has been described herein as useful for law enforcement personnel, it will be appreciated that the invention is not so limited and that virtually anyone can use the system in a variety of activities and situations.



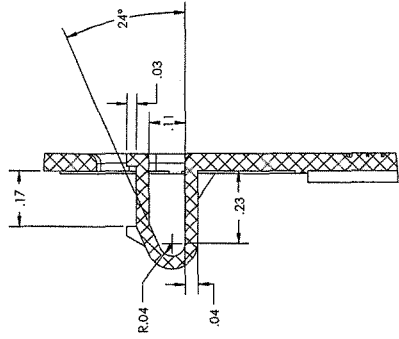


NOTES:
1. MATERIAL: BLACK ABS.
2. FINISH: .005" SURFACES.
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE DIMENSIONAL DATA SET. DIMENSIONS ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACES NOT SHOWN, NOT EXHIBIT ANY SINK OR PULL MARKS, Voids, CAVITIES OR CHANGES UNLESS APPROVED BY ENGINEERING.

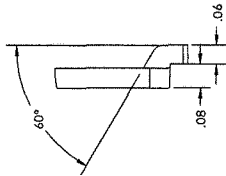
EXHIBIT
Sheet 2

NOTES:
 1. MATERIAL: BLACK ABS.
 2. FINISH: B. SP. B-2 - INTERIOR SURFACES.
 3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE DIMENSIONAL DATA SET FILE. DIMENSIONS ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
 4. DIMENSIONS SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
1	1	INITIAL PROTOTYPE RELEASE		7/12/2012	KEM



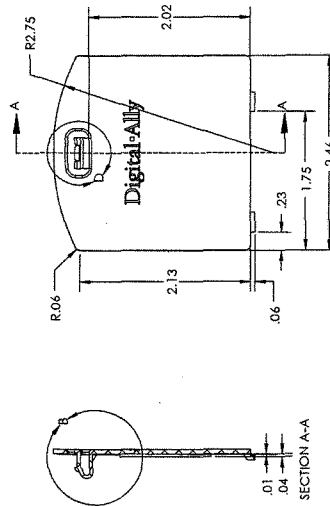
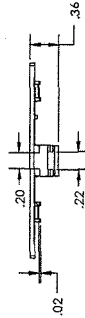
DETAIL B
SCALE 4:1



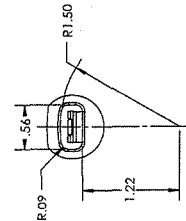
DETAIL C
SCALE 4:1



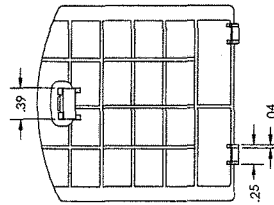
ISOMETRIC



SECTION A-A



DETAIL D



		DATE	7/12/12	SCALE	1:1
PART NAME: COVER BATTERY, 1ST VU HD DVR PART NO.: 260-0037-00 REV: 1 SCALE: 1:1 SHEET 1 OF 1					
THIRD ANGLE PROJECTION FRONT VIEW AND SIDE VIEW TOP VIEW AND BOTTOM VIEW REAR VIEW AND END VIEW ISOMETRIC VIEW					

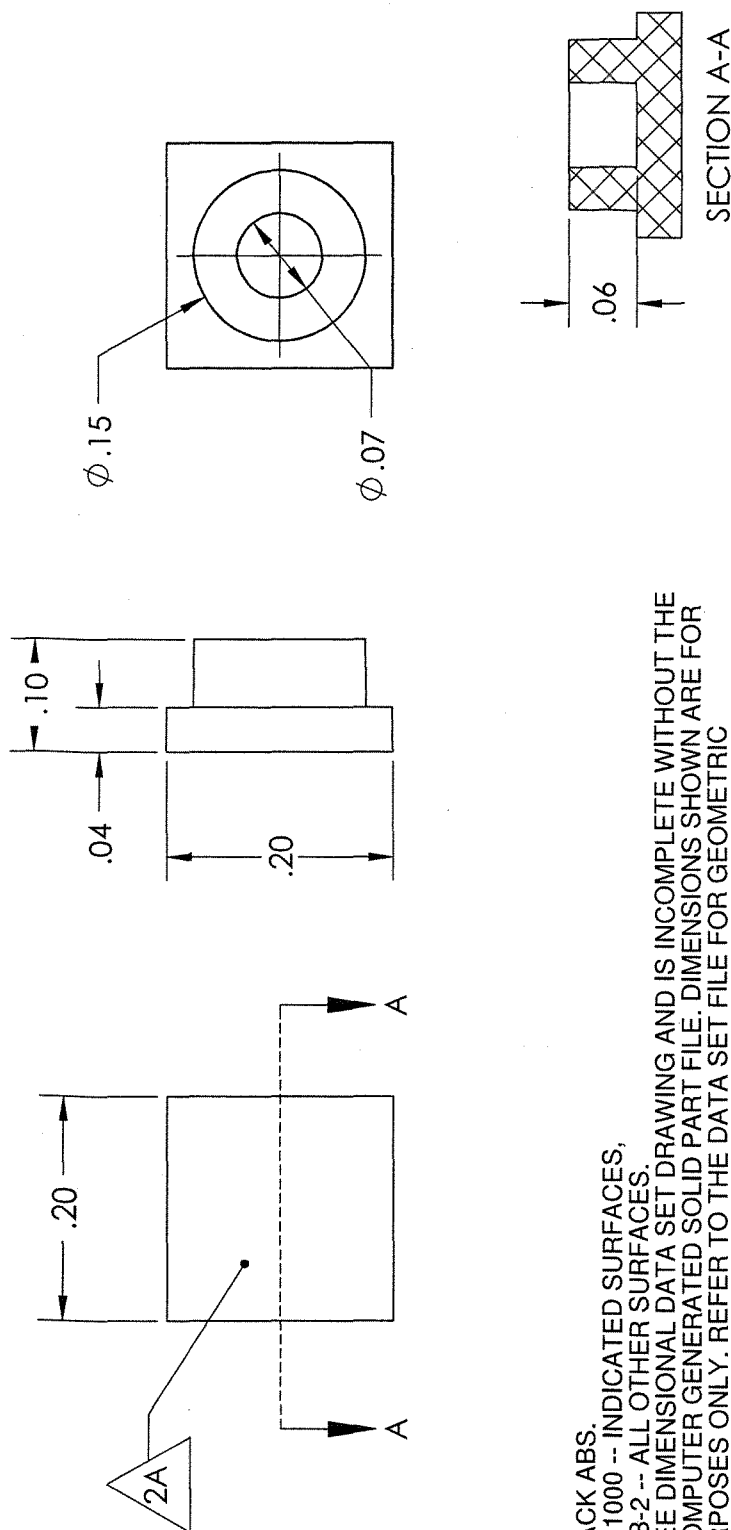
EXHIBIT

Sheet 3

REVISIONS					
ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
	1	INITIAL PROTOTYPE RELEASE		7/13/2012	KEM

NOTES:

1. MATERIAL: BLACK ABS.
2. FINISH: A. MT 11000 -- INDICATED SURFACES,
B. SPIB-2 -- ALL OTHER SURFACES.
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

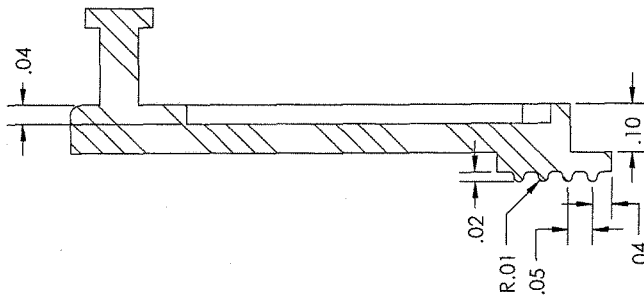
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NOTES:

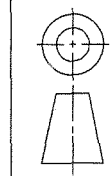
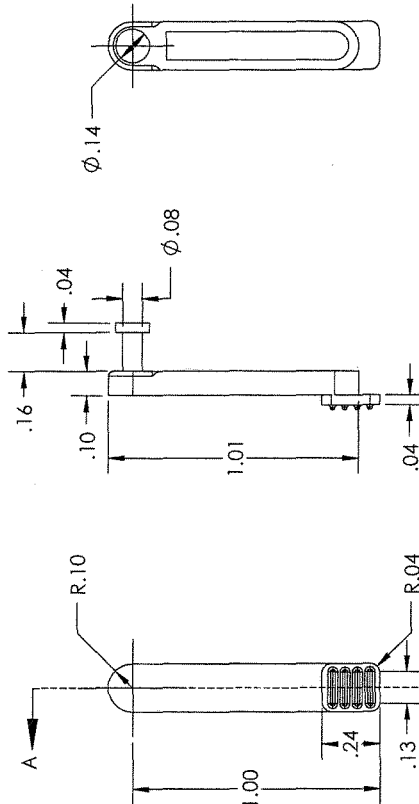
1. MATERIAL: SANOPRENE TPV 101-64 BLACK.
2. FINISH: A. MT 11010 -- EXTERIOR SURFACES.
B. SPI B-2 -- INTERIOR SURFACES.
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

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THIRD ANGLE PROJECTION

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UNLESS OTHERWISE SPECIFIED:	DRAWN	CHECKED	APPROVAL
DIMENSIONS ARE IN INCHES	NAME	DATE	
FRACTIONAL 50/1015	KEM	7/11/12	
ANGULAR: MACH 40.50°			
BEND: 47.00° 40.10			
TWO PLACE DECIMAL 40.005			
THREE PLACE DECIMAL 40.005			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
USED ON			
APPLICATION			
DO NOT SCALE DRAWINGS			



SECTION A-A
SCALE 4:1

COVER, USB, 1ST VU HD DVR

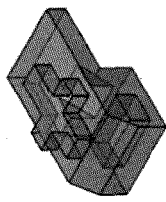
COMMENTS:	SIZE	DWG. NO.	REV
	B	261-00052-00	1
	SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

EXHIBIT

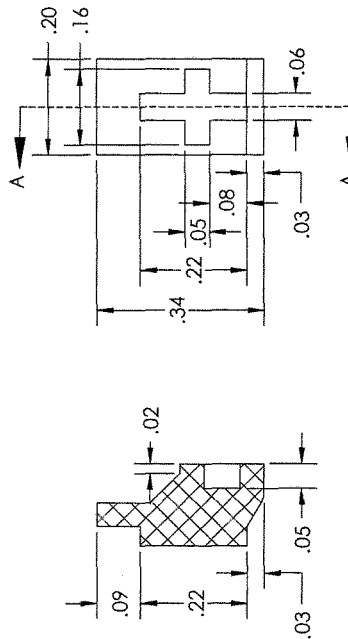
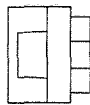
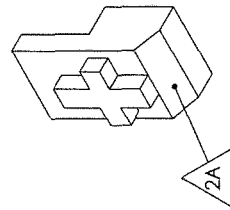
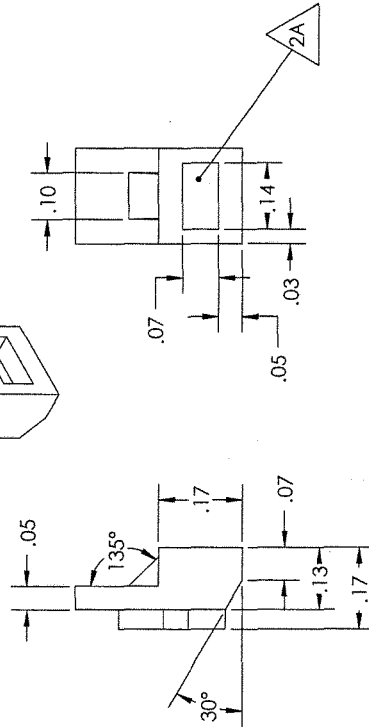
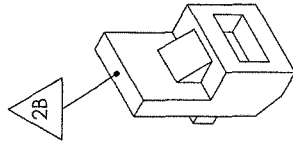
Sheet 5

NOTES:
 1. MATERIAL: LEXAN 920A CLEAR.
 2. FINISH: A. SPI A-3 - POLISHED SURFACES.
 B. SPI D-3 - DEFUSE SURFACES.
 C. SPI B-2 - ALL OTHER SURFACES.
 3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
 4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

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1	INITIAL PROTOTYPE RELEASE		7/12/2012	KEM



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SECTION A-A

		2011 W. 138A St. Suite 170 Orem, UT 84057 (801) 814-7774 (801) 400-0471	
NAME	DATE	DRAWN	CHECKED
KEM	7/11/12		
UNLESS OTHERWISE SPECIFIED:		TOLERANCES ARE IN INCHES	
FRACTIONAL .0015		FRACTIONAL .0015	
ANGULAR .MACH 40-50°		ANGULAR .MACH 40-50°	
TWO PLACE DECIMAL .0010		TWO PLACE DECIMAL .0010	
THREE PLACE DECIMAL .0005		THREE PLACE DECIMAL .0005	
INTERPRET GEOMETRIC TOLERANCING PER		INTERPRET GEOMETRIC TOLERANCING PER	
MATERIAL		MATERIAL	
FINISH		FINISH	
NEXT ASSY		USED ON	
APPLICATION		APPLICATION	
DO NOT SCALE DRAWING		DO NOT SCALE DRAWING	
TITLE:		TITLE:	
LIGHT PIPE, LED, 1ST VU HD DVR		LIGHT PIPE, LED, 1ST VU HD DVR	
SIZE	DWG. NO.	REV	REV
B	448-00151-00	1	1
SCALE: 4:1		WEIGHT:	
SHEET 1 OF 1		SHEET 1 OF 1	

EXHIBIT

Sheet 6

1. MATERIAL: BLACK ABS.
2. FINISH: GP-3
3. DIMENSIONS: 3.000" X 1.000" X 0.125"
4. DIMENSIONAL DATA SET DRAWING IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
5. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, Voids, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

DIGITAL ALLY INC.
1701 West 14th Street, Suite 170
Cleveland, Ohio 44115
Phone: 216/461-7710 Fax: 216/461-7713



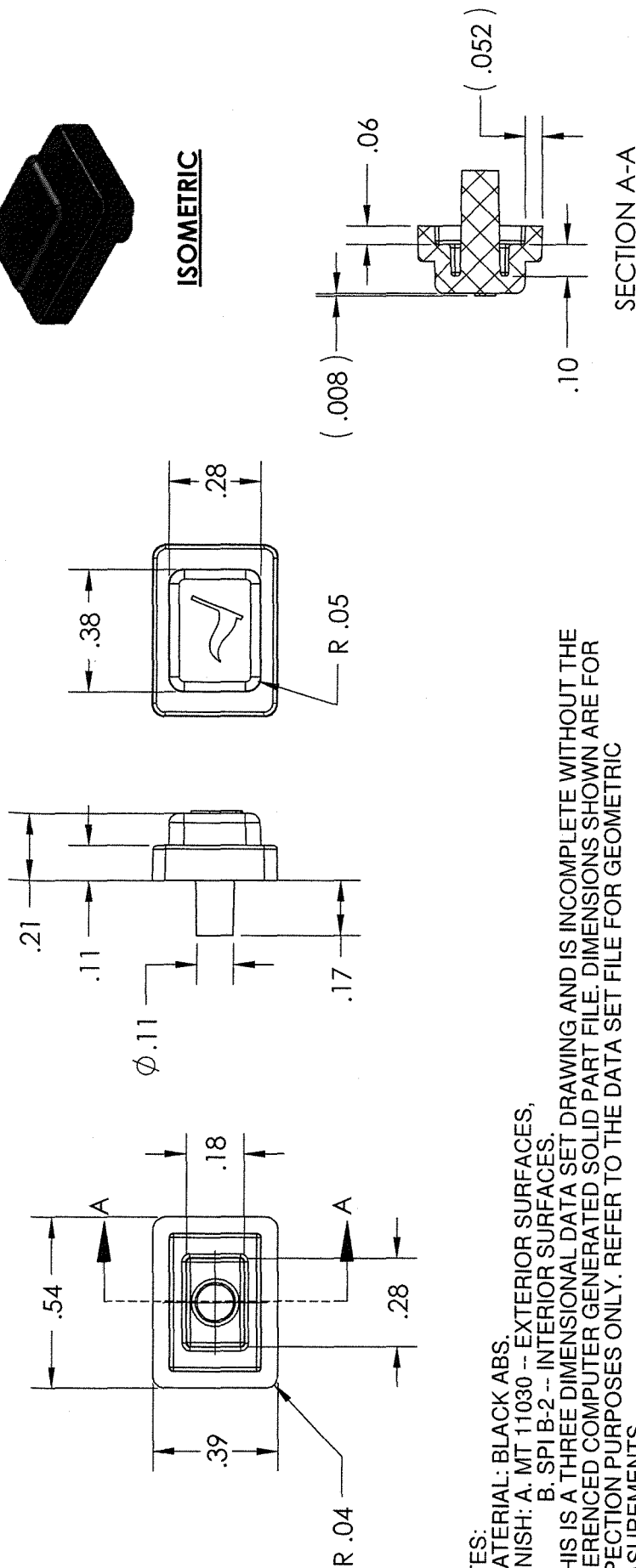
2. FINISH: SP-B3.

3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.

4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

REVISIONS

ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
	1	INITIAL PROTOTYPE RELEASE		6/28/2012	KEM



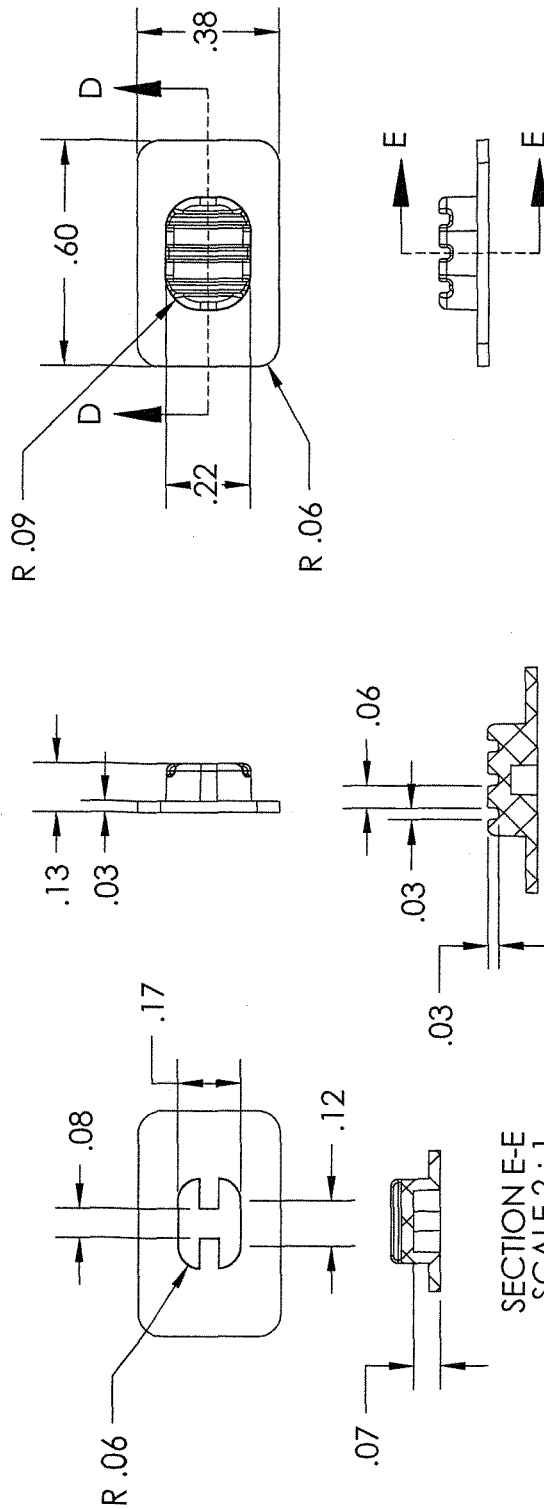
NOTES:

1. MATERIAL: BLACK ABS.
2. FINISH: A. MT 11030 -- EXTERIOR SURFACES,
B. SPI B-2 -- INTERIOR SURFACES.
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

 7311 W 130th St, Suite 170 Overland Park, KS 66213 (913) 814-7774 (800) 440-4947		NAME	DATE	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 0.015 ANGULAR: MACH $\pm 0.50^\circ$ BEND $\pm 1.00^\circ$ TWO PLACE DECIMAL ± 0.010 THREE PLACE DECIMAL ± 0.005 INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL FINISH	DRAWN	CHECKED	APPROVAL
		KEM	6/27/12				
THIRD ANGLE PROJECTION PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY, INC IS PROHIBITED.		TITLE:			COMMENTS: SCALE: 2:1 WEIGHT:		
		BUTTON, MARK, 1ST VU HD CAMERA			SIZE DWG. NO. REV A 260-00311-00 1		
APPLICATION		DO NOT SCALE DRAWING		SCALE: 2:1		SHEET 1 OF 1	

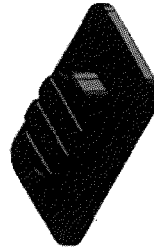
REVISIONS

ZONE	REV.	DESCRIPTION	ECN	DATE	APPROVED
	1	INITIAL PROTOTYPE RELEASE		7/2/2012	KEM

SECTION D-D
SCALE 2:1SECTION E-E
SCALE 2:1

NOTES:

1. MATERIAL: BLACK ABS
2. FINISH: A. MT 11030 -- EXTERIOR SURFACES,
B. SPI B-2 -- INTERIOR SURFACES.
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

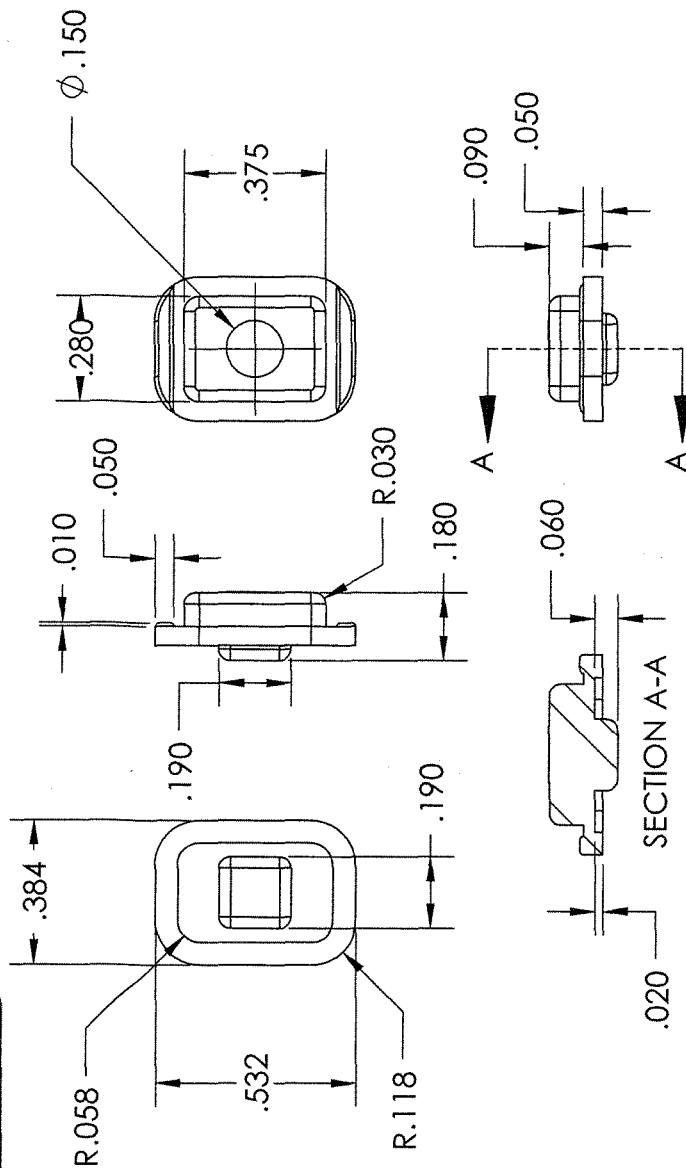
ISOMETRIC

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DIGITAL ALLY INC. 7311 West 130th Street, Suite 170 Overland Park, Kansas 66213 Phone: 913-814-7774 Fax: 913-814-7775		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±0.015 ANGULAR: MACH ±0.50° BEND ±1.00° TWO PLACE DECIMAL ±0.010 THREE PLACE DECIMAL ±0.005		DRAWN	KEM			7/2/12
THIRD ANGLE PROJECTION PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY, INC IS PROHIBITED.		INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:		SIZE	DWG. NO.	REV
		MATERIAL				A	260-00314-00	1
		FINISH						
		NEXT ASSY		USED ON				
APPLICATION:		DO NOT SCALE DRAWING		SCALE: 10:1		WEIGHT:		SHEET 1 OF 1

COVER, SLIDE SWITCH, 1ST VU HD CAMERA

REVISIONS

ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
	1	INITIAL PROTOTYPE RELEASE		6/26/2012	KEM

ISOMETRIC

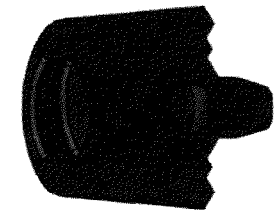
NOTES:

1. MATERIAL: SILICONE RUBBER WITH U/V INHIBITORS, DUROMETER, 50 SHORE A, CLEAR ABRASION RESISTANCE COATING ON KEYPAD.
2. COLOR: BODY MATTE BLACK, DOT RED PANTONE 186U LASER ETCHED INTO BLACK MATTE.
3. VENDOR: SHIN ETSU, PART#: 951U.

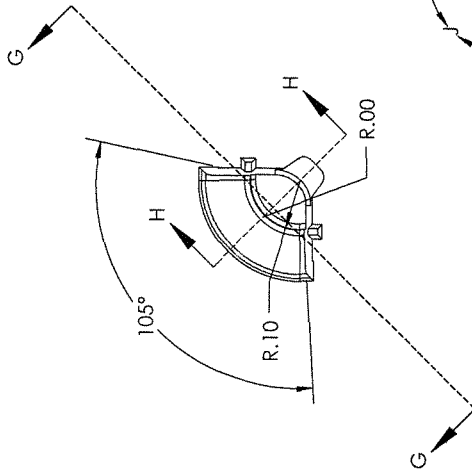
		7311 W 130th St, Suite 170 Overland Park, KS 66213 (913) 814-7774 (800) 440-4947	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 0.015 ANGULAR: MACH $\pm 0.50^\circ$ BEND $\pm 1.00^\circ$ TWO PLACE DECIMAL ± 0.010 THREE PLACE DECIMAL ± 0.005	NAME KEM	DATE 6/26/12	DRAWN KEM
INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL FINISH	CHECKED APPROVAL		
TITLE: BUTTON, 1ST VU HD RECORD, SILICONE			
COMMENTS: DO NOT SCALE DRAWING		SIZE A	DWG. NO. 261-00050-00
NEXT ASSY USED ON APPLICATION		REV 1	
		SCALE: 2:1	WEIGHT: SHEET 1 OF 1

NOTES:

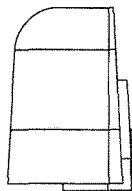
1. MATERIAL: CLEAR RED ACRYLIC.
2. FINISH: SPLA2.
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.



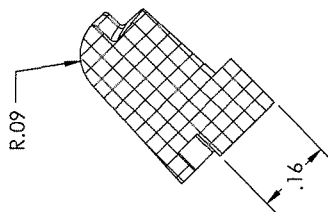
ISOMETRIC



VIEW G-G
SCALE 4:1



DETAIL J
SCALE 4:1



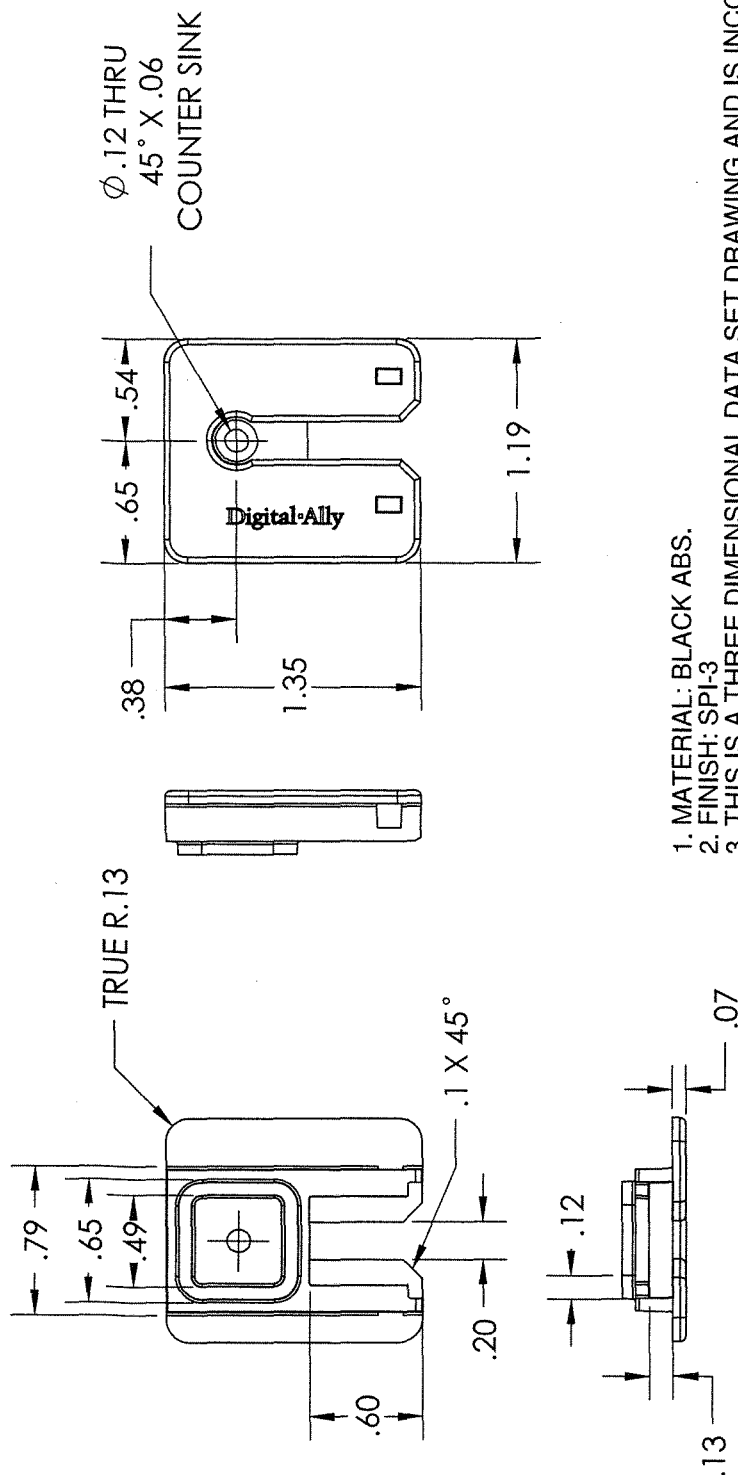
SECTION H-H
SCALE 4:1

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL .0015 DECIMAL .0010 ANGULAR .MACH 10.50° BEND ±1.00° TWO PLACE DECIMAL .0010 THREE PLACE DECIMAL .0005		DRAWN KEM	CHECKED	APPROVAL	NAME KEM	DATE 7/2/12	DIGITAL ALLY INC. 7311 West 130th Street, Suite 170 Phone: 913.814.7774 Fax: 913.814.7775	
THIRD ANGLE PROJECTION		TITLE: LIGHT PIPE, 1ST VU HD CAMERA		REV 1		DWG. NO. 448-00150-00		REV 1
PROPERTY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY INC. IS PROHIBITED.		COMMENTS:		SCALE: 4:1		SHEET 1 OF 1		
NEXT ASST		USED ON		FINISH		MATERIAL		INTERPRET GEOMETRIC TOLERANCING PER:
APPLICATION		DOW NOT SCALE DRAWING		DOW NOT SCALE DRAWING		DOW NOT SCALE DRAWING		

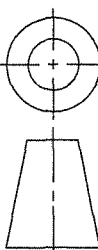
EXHIBIT

Sheet 14

REVISIONS					
ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
	1	INITIAL RELEASE		9/17/2012	KEM

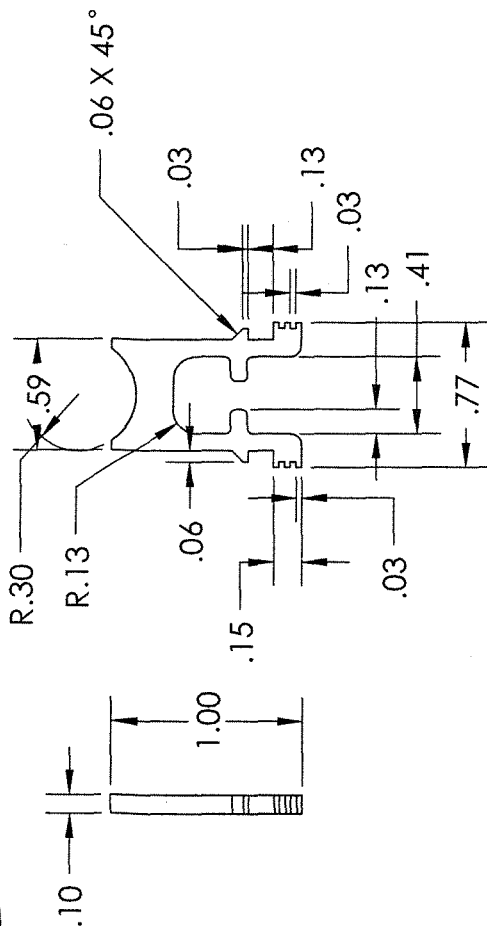


1. MATERIAL: BLACK ABS.
2. FINISH: SPI-3
3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE DIMENSIONS SHOWN ARE FOR COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.
4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

 THIRD ANGLE PROJECTION PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY, INC. IS PROHIBITED.				UNLESS OTHERWISE SPECIFIED:	 7311 W 130th St, Suite 170 Overland Park, KS 66213 (913) 814-7774 (800) 440-4947 Digital Ally AS	7311 W 130th St, Suite 170 Overland Park, KS 66213 (913) 814-7774 (800) 440-4947			
				DIMENSIONS ARE IN INCHES FRACTIONAL ±0.015 ANGULAR ±MACH ±0.50° BEND ±1.00°					
				TWO PLACE DECIMAL ±0.010 THREE PLACE DECIMAL ±0.005					
				INTERPRET GEOMETRIC TOLERANCING PER:					
				MATERIAL		COMMENTS:	SIZE A	DWG. NO. 260-00327-00	REV 1
				FINISH					
				USED ON					
				NEXT ASSY					
				APPLICATION					
				DO NOT SCALE DRAWING					
				TITLE:		MOUNT, BUTTON, 1ST VU HD CAMERA			
				SCALE: 1:1		WEIGHT:		SHEET 1 OF 1	

REVISIONS

ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
1	1	INITIAL RELEASE		9/17/2012	KEM



1. MATERIAL: BLACK ABS.

2. FINISH: SPI-3

3. THIS IS A THREE DIMENSIONAL DATA SET DRAWING AND IS INCOMPLETE WITHOUT THE REFERENCED COMPUTER GENERATED SOLID PART FILE. DIMENSIONS SHOWN ARE FOR INSPECTION PURPOSES ONLY. REFER TO THE DATA SET FILE FOR GEOMETRIC MEASUREMENTS.

4. SURFACE OF PART SHALL NOT EXHIBIT ANY SINK OR PULL MARKS, VOIDS, CAVITIES OR CREASES UNLESS APPROVED BY ENGINEERING.

 7311 W 130th St, Suite 170 Overland Park, KS 66213 (913) 814-7774 (800) 440-4947		NAME	DATE	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±0.015 ANGULAR: MACH ±0.50° BEND ±1.00° TWO PLACE DECIMAL ±0.010 THREE PLACE DECIMAL ±0.005		
		DRAWN	9/17/12			
		CHECKED		TITLE: CLIP, RETENSION, BUTTON MOUNT, 1ST VU HD CAMERA		
		APPROVAL				
THIRD ANGLE PROJECTION PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY, INC IS PROHIBITED.		COMMENTS:		SIZE A	DWG. NO. 260-00328-00	REV 1
		MATERIAL FINISH NEXT ASSY USED ON		DO NOT SCALE DRAWING		SCALE: 1:1 WEIGHT:

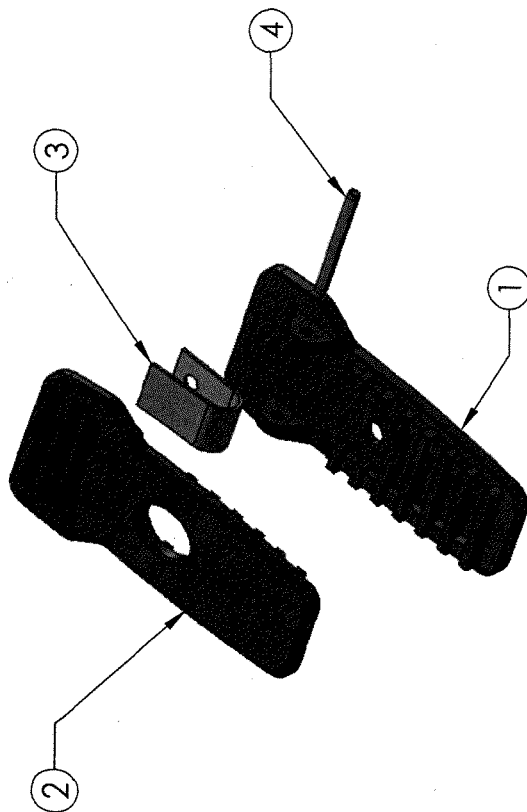
EXHIBIT

Sheet 17

tabbles

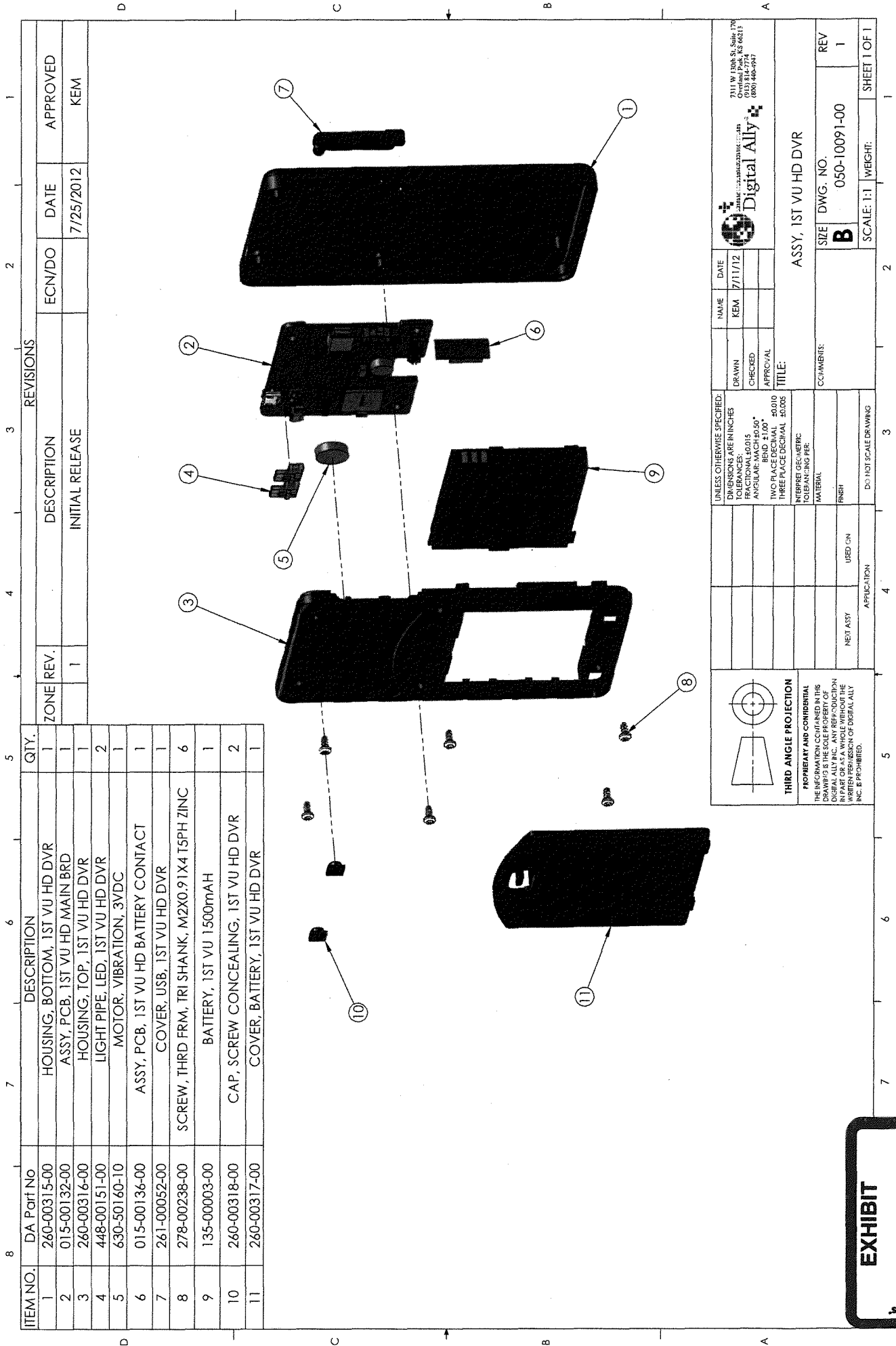
REVISIONS

ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
	1	INITIAL PROTOTYPE RELEASE		6/28/2012	KEM



ITEM NO.	DA Part No	DESCRIPTION	QTY.
1	260-00309-00	CLIP, BOTTOM, 1ST VU HD CAMERA	1
2	260-00310-00	CLIP, TOP, 1ST VU HD CAMERA	1
3	267-00015-00	SPRING PIN, FLAT, STEEL .5 X .3 X .27	1
4	268-00003-00	SPRING PIN, SLOTTED .066 OD X 11/16 SS	1

THIRD ANGLE PROJECTION PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY, INC IS PROHIBITED.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 0.015 ANGULAR: MACH $\pm 0.50^\circ$ BEND $\pm 1.00^\circ$ TWO PLACE DECIMAL ± 0.010 THREE PLACE DECIMAL ± 0.005 INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH: USED ON: APPLICATION:	
NEXT ASSY:		COMMENTS:	
TITLE: ASSY, FABRIC CLIP, 1ST VU HD		SIZE: A DWG. NO.: 050-10090-00 REV: 1	
SCALE: 1:1		WEIGHT:	
SHEET 1 OF 1		1	



ITEM NO.	DA Part No	DESCRIPTION	QTY.	ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
1	260-00315-00	HOUSING, BOTTOM, 1ST VU HD DVR	1						
2	015-00132-00	ASSY. PCB, 1ST VU HD MAIN BRD	1						
3	260-00316-00	HOUSING, TOP, 1ST VU HD DVR	1						
4	448-00151-00	LIGHT PIPE, LED, 1ST VU HD DVR	2						
5	630-50160-10	MOTOR, VIBRATION, 3VDC	1						
6	015-00136-00	ASSY. PCB, 1ST VU HD BATTERY CONTACT	1						
7	261-00052-00	COVER, USB, 1ST VU HD DVR	1						
8	278-00238-00	SCREW, THRD FRM. TRI SHANK, M2X0.91X4 T5PH ZINC	6						
9	135-00003-00	BATTERY, 1ST VU 1500mAh	1						
10	260-00318-00	CAP, SCREW CONCEALING, 1ST VU HD DVR	2						
11	260-00317-00	COVER, BATTERY, 1ST VU HD DVR	1						

REVISIONS	DESCRIPTION	ECN/DO	DATE	APPROVED
1	INITIAL RELEASE		7/25/2012	KEM

DA Part No	DESCRIPTION	QTY.
260-00315-00	HOUSING, BOTTOM, 1ST VU HD DVR	1
015-00132-00	ASSY. PCB, 1ST VU HD MAIN BRD	1
260-00316-00	HOUSING, TOP, 1ST VU HD DVR	1
448-00151-00	LIGHT PIPE, LED, 1ST VU HD DVR	2
630-50160-10	MOTOR, VIBRATION, 3VDC	1
015-00136-00	ASSY. PCB, 1ST VU HD BATTERY CONTACT	1
261-00052-00	COVER, USB, 1ST VU HD DVR	1
278-00238-00	SCREW, THRD FRM. TRI SHANK, M2X0.91X4 T5PH ZINC	6
135-00003-00	BATTERY, 1ST VU 1500mAh	1
260-00318-00	CAP, SCREW CONCEALING, 1ST VU HD DVR	2
260-00317-00	COVER, BATTERY, 1ST VU HD DVR	1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	DRAWN	CHECKED	APPROVAL
DIMENSIONS ARE IN INCHES	KEM	7/11/12			
TOLERANCES:					
FRACTIONAL 0.015					
ANGULAR MACH 40.50°					
ROUND 0.010					
THREE PLACE DECIMAL 0.005					

THIRD ANGLE PROJECTION	INTERPRET GEOMETRIC TOLERANCING PER	MATERIAL	FINISH	DO NOT SCALE DRAWING
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DIGITAL ALLY INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DIGITAL ALLY INC. IS PROHIBITED.				

PROPERTY AND CONFIDENTIALITY	NEET ASSY	USED ON	APPLICATION

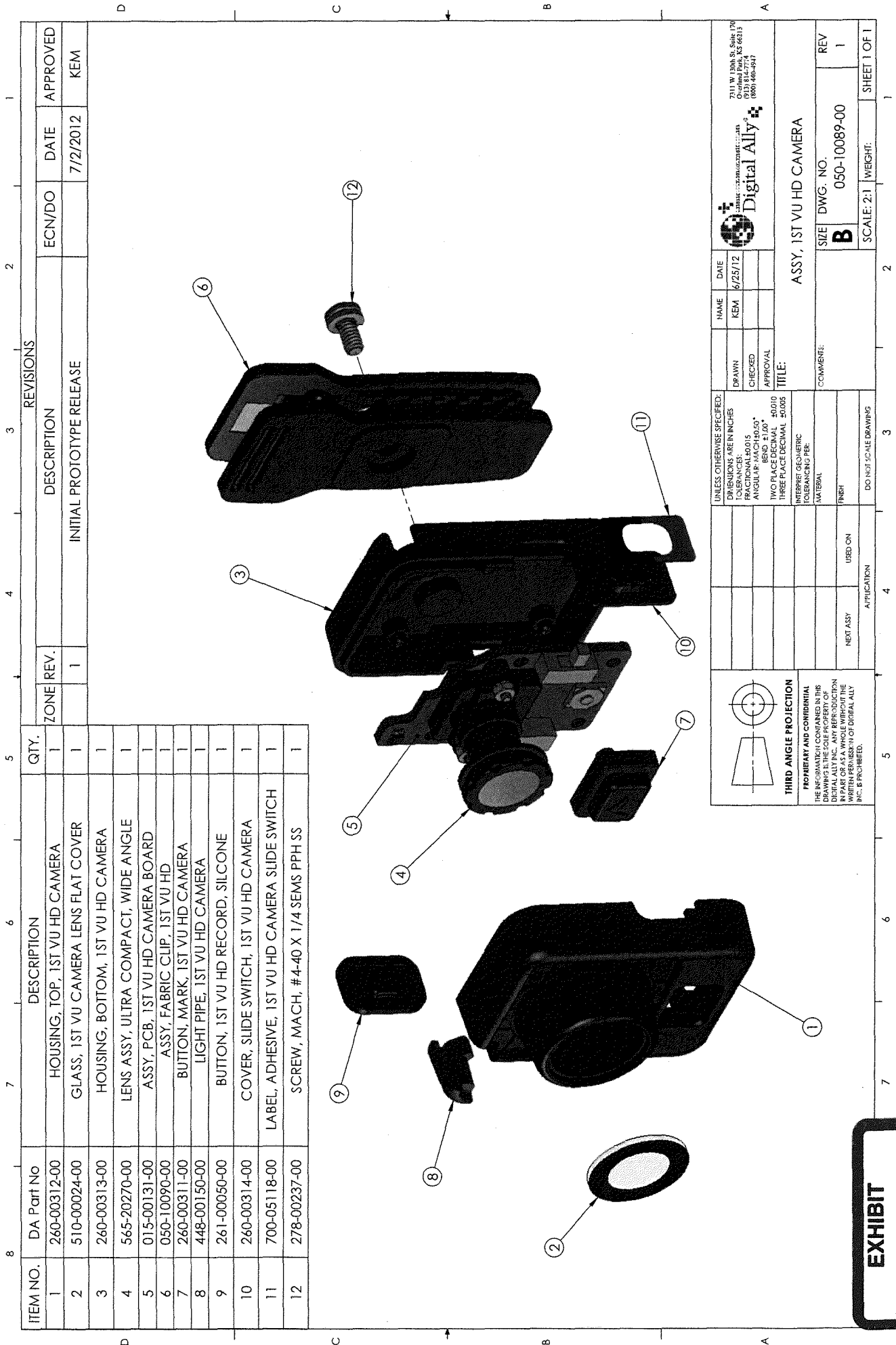
COMMENTS:	SIZE	DWG. NO.	REV
	B	050-10091-00	1

SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

ASSY, 1ST VU HD DVR	DATE	NAME	DRAWN	CHECKED	APPROVAL
	7/11/12	KEM			

DIGITAL ALLY	7111 W 38th St, Suite 170 Overland Park, KS 66113 (913) 814-7774 (800) 440-5947
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EXHIBIT
Sheet 18



ITEM NO.	DA Part No	DESCRIPTION	QTY.	ZONE	REV.	DESCRIPTION	ECN/DO	DATE	APPROVED
1	260-00312-00	HOUSING, TOP, 1ST VU HD CAMERA	1						
2	510-00024-00	GLASS, 1ST VU CAMERA LENS FLAT COVER	1		1	INITIAL PROTOTYPE RELEASE		7/2/2012	KEM
3	260-00313-00	HOUSING, BOTTOM, 1ST VU HD CAMERA	1						
4	565-20270-00	LENS ASSY, ULTRA COMPACT, WIDE ANGLE	1						
5	015-00131-00	ASSY, PCB, 1ST VU HD CAMERA BOARD	1						
6	050-10090-00	ASSY, FABRIC CLIP, 1ST VU HD	1						
7	260-00311-00	BUTTON, MARK, 1ST VU HD CAMERA	1						
8	448-00150-00	LIGHT PIPE, 1ST VU HD CAMERA	1						
9	261-00050-00	BUTTON, 1ST VU HD RECORD, SILICONE	1						
10	260-00314-00	COVER, SLIDE SWITCH, 1ST VU HD CAMERA	1						
11	700-05118-00	LABEL, ADHESIVE, 1ST VU HD CAMERA SLIDE SWITCH	1						
12	278-00237-00	SCREW, MACH, #4-40 X 1/4 SEMS PPH SS	1						

		NAME KEM	DATE 6/25/12
DRAWN 	CHECKED 	APPROVAL 	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONAL 16:1 DECIMALS .0015 ANGULAR .1° MACH .0010 BEND .120° .0010 TWO PLACE DECIMAL .0005 THREE PLACE DECIMAL .0005			
INTERPRET GEOMETRIC TOLERANCING PER MATERIAL FINISH NEXT ASSY USED ON APPLICATION			
DO NOT SCALE DRAWING			
TITLE: ASSY, 1ST VU HD CAMERA			
COMMENTS: 		SIZE B	DWG. NO. 050-10089-00
		REV 1	SHEET 1 OF 1

EXHIBIT

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