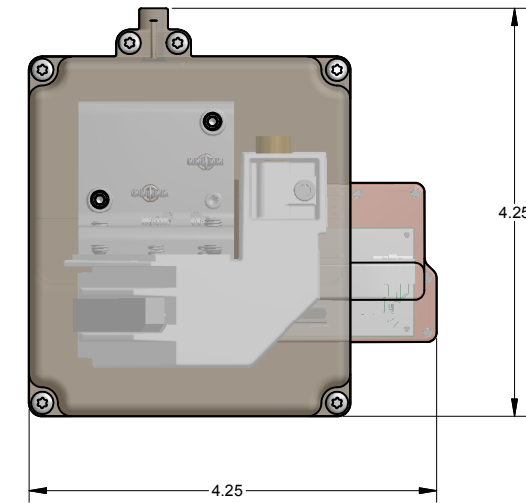




1. APPLICABLE STANDARDS / SPECIFICATIONS:
ASME Y14.5, DIMENSIONS AND TOLERANCES.
ASME Y14.38, ABBREVIATIONS.
ASME B1.1 & B1.13M: THREAD DEFINITIONS.
ALL DIAMETERS SHOWN CONCENTRIC SHALL BE WITHIN .010" TIR.
2. UNLESS OTHERWISE SPECIFIED, ALL FILLETS, WHETHER DRAWN OR NOT, ARE TO BE .005" MAXIMUM (FOR TOOL RADII).
REMOVE SHARP OR HANGING BURRS.



REVISIONS				
ZONE	REV	DESCRIPTION	REVISED BY	APPRD
	A	RELEASED	CHP 5/18/16	CHP 5/18/16
	B	UPDATED MULTIPLE PARTS	CHP 6/20/16	CHP 6/20/16
	C	UPDATED MULTIPLE PARTS	CHP 9/22/16	CHP 9/22/16
	D	UPDATED MULTIPLE PARTS	CHP 11/17/16	CHP 11/17/16
	E	UPDATED MULTIPLE PARTS	CHP 02/01/17	CHP 02/01/17
	F	REDRAW & UPDATE MULTIPLE PARTS	RTP 02/15/17	CHP 02/15/17
	G	UPDATED OPTIC SPINE AND ADDED EXTRA THREAD INSERT AND SCREW FOR CLAMPING LASER	CHP 03/20/17	CHP 03/20/17
	H	UPDATED HARDWARE AND PART GEOMETRIES.	RTP 04/03/17	CHP 04/03/17
	I	1 ITEM 17 SHCS WAS 2. 6 ITEM 5 THREAD INSERTS WAS 8. ADDED HEX NUT.	CHP 5/24/17	CHP 5/24/17
	J	ITEM 5, THREAD FORMING SCREW, WAS THREAD INSERT.	CHP 6/21/17	CHP 6/21/17

1	91841A007	HEX NUT .138-32 18-8 SS	Stainless Steel, Austenitic	McMASTER	28
1	95893A501	SELF THREADING SCREW Number 0 Size, 3/16" Long	18-8 SS		27
4	96001A098	SELF THREADING SCREW Number 0 Size, 1/8" Long	18-8 SS		26
7	95893A550	SELF THREADING SCREW Number 2 Size, 1/4" Long	18-8 SS		25
1	7819-030-0550	SENSOR ENCLOSURE COVER	LCP-30%GF, VECTRA E130i		24
1	7819-030-0500	SENSOR ENCLOSURE	LCP-30%GF, VECTRA E130i		23
1	7819-030-0510	SENSOR WINDOW	HOYA ND-1.3	EDMUND OPTICS	21
2	92196A108	SHCS .112-40 x .375	Stainless Steel, Austenitic	McMASTER	20
1	ME05S-G01	MIRROR	Protected Aluminum on Glass	THOR LABS	19
1	7819-030-0410	LASER	-	** TBD **	18
1	92196A150	SHCS .138-32 x .625	Stainless Steel, Austenitic	McMASTER	17
1	7819-040-003	COLLIMATING MIRROR	POLYCARBONATE		16
1	7819-030-0400	OPTICS SPINE	Nylon-6/6 - GF		15
4	90778A362	SHSS .190-32 x .375, CONE POINT	S31600	McMASTER	14
2	99553A399	SHSS .190-32 x .375, OVAL POINT	S31600	McMASTER	13
8	92311A079	SHSS .086-56 x .375	Stainless Steel, Austenitic	McMASTER	12
4	418 EXT SPRING	TENSION SPRING	MUSIC WIRE (STEEL)	CENTURY SPRING	11
4	90145A417	DOWEL PIN .0625 x .375	Stainless Steel, Austenitic	McMASTER	10
1	7819-030-0200	X-Y-Z Mount	A96061		9
1	7819-030-0300	X-Y-Z ADAPTOR 8982K17	A96061	McMASTER	8
1	7819-030-0700	OPTICS HOUSING COVER	LCP-30%GF, VECTRA E130i		6
6	96817A935	M3.5 x 10 Thread Forming Screw	Stainless Steel, Austenitic	McMASTER	5
1	7819-030-0610	HOUSING WINDOW	Float Glass (Borofloat)	EDMUND OPTICS	4
1	7819-030-0600	OPTICS HOUSING BASE	LCP-30%GF, VECTRA E130i		3
2	92210A101	FHCS .112-40 x .5625	Stainless Steel, Austenitic	McMASTER	2
1	7819-030-0100	OPTICS SUB-ASSEMBLY MOUNT	A96061	TBD	1
QTY	PART NUMBER	DESCRIPTION	MATERIAL	VENDOR	ITEM

PARTS LIST									
		WEIGHT:		254.7 g		APPROVALS		DATE	
		MATERIAL:				DRWN		CHP	
								3/2/2016	
PART DASH NO.		NEXT FINAL		NEXT ASSY		USED ON		 <div> <div>HANOVER</div> <div>NEW HAMPSHIRE</div> <div>03755</div> </div> <div>  </div>	
QTY PER ASSY		APPLICATION		SPECIFICATION		SIZE / TYPE		CONDITION	
								ENGR	
								MFG	
THIS DRAWING IS PROPRIETARY AND IS CONSIDERED CONFIDENTIAL. NO REPRODUCTION MAY BE MADE WITHOUT WRITTEN PERMISSION FROM CREARE.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DECIMALS TOLERANCES ARE: ANGLES .XXx .XXx FIMSH X°10' .XXXx .004 X°15' X°X°15' .XXXx .0008 X°X°11'							
						TITLE		DROPLET II DROPLET OPTICS SUB-ASSEMBLY	
						SIZE		CAGE CODE	
						D		8A287	
						DWG. NO.		7819-030-0010	
						SCALE		1:1	
						SIMILAR TO:		SHEET 1 OF 1	