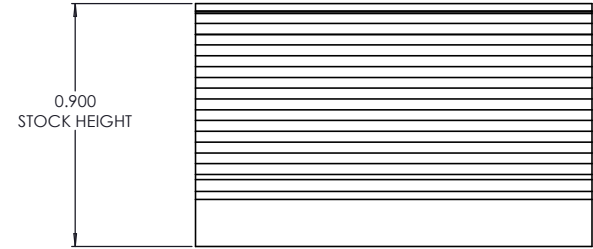
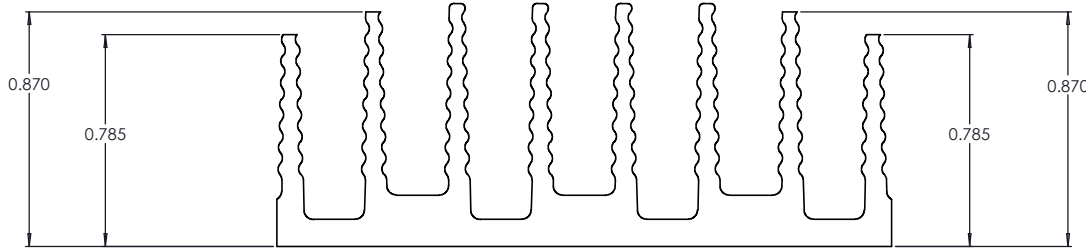
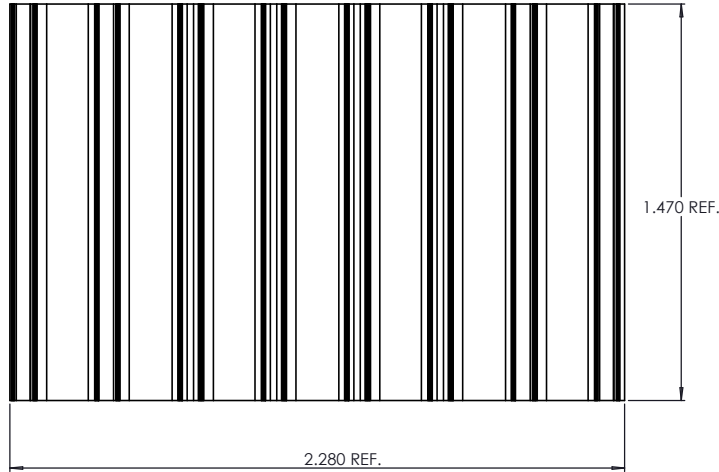


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	XX	XX/XX/202X	



MILL OUTER TWO FINS ON STOCK HEATSINK TO HEIGHT SHOWN.

NOTE 1. SOLID MODEL LOCATION:

\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-58-A_ModifiedPNVicar_30270.SLDPRT

NOTE 2. MATERIAL IS VICOR PN 30270 STOCK HEATSINK.

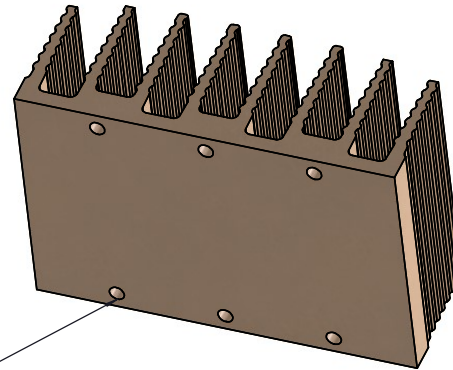
NOTE 3: ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: GOLD. NOTE MASKING CALL-OUTS (IF ANY).

(c) MBARI 2021 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1. FRACTIONS: 1/16" MIN. 1/32" MAX. 1/64" MAX. 1/8" MAX. 1/4" MAX. 1/2" MAX. 1" MAX. 2" MAX. 4" MAX. 8" MAX. 16" MAX. 32" MAX. 64" MAX. 128" MAX. 256" MAX. 512" MAX. 1024" MAX. 2048" MAX. 4096" MAX. 8192" MAX. 16384" MAX. 32768" MAX. 65536" MAX. 131072" MAX. 262144" MAX. 524288" MAX. 1048576" MAX. 2097152" MAX. 4194304" MAX. 8388608" MAX. 16777216" MAX. 33554432" MAX. 67108864" MAX. 134217728" MAX. 268435456" MAX. 536870912" MAX. 1073741824" MAX. 2147483648" MAX. 4294967296" MAX. 8589934592" MAX. 17179869184" MAX. 34359738368" MAX. 68719476736" MAX. 137438953472" MAX. 274877906944" MAX. 549755813888" MAX. 1099511627776" MAX. 2199023255552" MAX. 4398046511104" MAX. 8796093022208" MAX. 17592186044416" MAX. 35184372088832" MAX. 70368744177664" MAX. 140737488355328" MAX. 281474976710656" MAX. 562949953421312" MAX. 1125899906842624" MAX. 2251799813685248" MAX. 4503599627370496" MAX. 9007199254740992" MAX. 18014398509481984" MAX. 36028797018963968" MAX. 72057594037927936" MAX. 144115188075855872" MAX. 288230376151711744" MAX. 576460752303423488" MAX. 1152921504606846976" MAX. 2305843009213693952" MAX. 4611686018427387904" MAX. 9223372036854775808" MAX. 18446744073709551616" MAX. 36893488147419103232" MAX. 73786976294838206464" MAX. 147573952589676412928" MAX. 295147905179352825856" MAX. 590295810358705651712" MAX. 1180591620717411303424" MAX. 2361183241434822606848" MAX. 4722366482869645213696" MAX. 9444732965739290427392" MAX. 18889465931478580854784" MAX. 37778931862957161709568" MAX. 75557863725914323419136" MAX. 151115727451828646838272" MAX. 302231454903657293676544" MAX. 604462909807314587353088" MAX. 1208925819614629174706176" MAX. 2417851639229258349412352" MAX. 4835703278458516698824704" MAX. 9671406556917033397649408" MAX. 19342813113834066795298816" MAX. 38685626227668133590597632" MAX. 77371252455336267181195264" MAX. 154742504910672534362390528" MAX. 309485009821345068724781056" MAX. 618970019642690137449562112" MAX. 1237940039285380274899124224" MAX. 2475880078570760549798248448" MAX. 4951760157141521099596496896" MAX. 9903520314283042199192993792" MAX. 19807040628566084398385987584" MAX. 39614081257132168796771975168" MAX. 79228162514264337593543950336" MAX. 158456325028528675187087900672" MAX. 316912650057057350374175801344" MAX. 633825300114114700748351602688" MAX. 1267650600228229401496703205376" MAX. 2535301200456458802993406410752" MAX. 5070602400912917605986812821504" MAX. 10141204801825835211973625643008" MAX. 20282409603651670423947251286016" MAX. 40564819207303340847894502572032" MAX. 81129638414606681695789005144064" MAX. 162259276829213363391578010288128" MAX. 324518553658426726783156020576256" MAX. 649037107316853453566312041152512" MAX. 1298074214633706907132624082305024" MAX. 2596148429267413814265248164610048" MAX. 5192296858534827628530496329220096" MAX. 10384593717069655257060992658440192" MAX. 20769187434139310514121985316880384" MAX. 41538374868278621028243970633760768" MAX. 83076749736557242056487941267521536" MAX. 166153499473114484112975882535043072" MAX. 332306998946228968225951765070086144" MAX. 664613997892457936451903530140172288" MAX. 1329227995784915872903807060280345728" MAX. 2658455991569831745807614120560691456" MAX. 5316911983139663491615228241121382912" MAX. 10633823966279326983230456482242765824" MAX. 21267647932558653966460912964485531648" MAX. 42535295865117307932921825928971063296" MAX. 85070591730234615865843651857942126592" MAX. 170141183460469231731687303715884253184" MAX. 340282366920938463463374607431768506368" MAX. 680564733841876926926749214863537012736" MAX. 1361129467683753853853498429727074025472" MAX. 2722258935367507707706996859454148050944" MAX. 5444517870735015415413993718908296101888" MAX. 10889035741470030830827987437816592203776" MAX. 21778071482940061661655974875633184407552" MAX. 43556142965880123323311949751266368815104" MAX. 87112285931760246646623899502532737630208" MAX. 174224571863520493293247799005065472660416" MAX. 348449143727040986586495598010130945320832" MAX. 696898287454081973172991196020261890641664" MAX. 1393796574908163946345982392040523781283328" MAX. 2787593149816327892691964784081047562566656" MAX. 5575186299632655785383929568162095125133312" MAX. 11150372599265311570767859136324190250266624" MAX. 22300745198530623141535718272648380500533248" MAX. 44601490397061246283071436545296761001066496" MAX. 89202980794122492566142873090593522002132992" MAX. 178405961588244985132285746181187044004265984" MAX. 356811923176489970264571492362374088008531968" MAX. 713623846352979940529142984724748176017063936" MAX. 1427247692705959881058285969449496352034127872" MAX. 2854495385411919762116571938898992704068255744" MAX. 5708990770823839524233143877797985408136511488" MAX. 11417981541647679048466287755595970816273022976" MAX. 22835963083295358096932575511191941632546045952" MAX. 45671926166590716193865151022383883265092091904" MAX. 91343852333181432387730302044767766530184183808" MAX. 182687704666362864775460604089535533060368367616" MAX. 365375409332725729550921208179071066120736735232" MAX. 730750818665451459101842416358142132241473470464" MAX. 1461501637330902918203684832716284264482946940928" MAX. 2923003274661805836407369665432568528965893881856" MAX. 5846006549323611672814739330865137057931787763712" MAX. 11692013098647223345629478661730274115863575527424" MAX. 23384026197294446691258957323460548231727151054848" MAX. 46768052394588893382517914646921096463454302109696" MAX. 93536104789177786765035829293842192926908604219392" MAX. 187072209578355573530071658587684385853817208438784" MAX. 374144419156711147060143317175368771707634416877568" MAX. 748288838313422294120286634350737543415268833755136" MAX. 1496577676626844588240573268701475086830537667510272" MAX. 2993155353253689176481146537402950173661075335020544" MAX. 5986310706507378352962293074805900347322150670041088" MAX. 11972621413014756705924586149611800694644301340082176" MAX. 23945242826029513411849172299223601389288602680164352" MAX. 47890485652059026823698344598447202778577205360328704" MAX. 95780971304118053647396689196894405557154410720657408" MAX. 191561942608236107294793378393788811114308821441314816" MAX. 383123885216472214589586756787577622228617642882629312" MAX. 766247770432944429179173513575155244457235285765258624" MAX. 1532495540865888858358347027150310488914470571530517248" MAX. 3064991081731777716716694054300620977828941143061034496" MAX. 6129982163463555433433388108601241955657882286122068992" MAX. 12259964326927110866866776217202483911315764572244137984" MAX. 24519928653854221733733552434404967822631529144488275904" MAX. 49039857307708443467467104868809935645263058288976551808" MAX. 98079714615416886934934209737619871290526116577953103616" MAX. 196159429230833773869868419475239742581052233155906207232" MAX. 392318858461667547739736838950479485162104466311812404464" MAX. 78463771692333509547947367790095897032420893262362480928" MAX. 156927543384667019095894735580191794064841786524724961856" MAX. 31385508676933403819178947116038358812968357304944993712" MAX. 62771017353866807638357894232076717625936714609889827424" MAX. 125542034707733615276715788464153435251873429219779654848" MAX. 251084069415467230553431576928306870503746858439559309696" MAX. 502168138830934461106863153856613741007493716879118619392" MAX. 1004336277661868922213726307713226820014987433758237378784" MAX. 2008672555323737844427452615426453640029974867516474757568" MAX. 4017345110647475688854905230852907280059949735032949515136" MAX. 8034690221294951377709810461705814560119899470065899030272" MAX. 16069380442589902755419620923411629120239798940131798060544" MAX. 32138760885179805510839241846823258240479597880263596121088" MAX. 64277521770359611021678483693646516480959195760527192242176" MAX. 128555043540719222043356967387293032961918391521054384484352" MAX. 257110087081438444086713934774586065923836783042108768968704" MAX. 514220174162876888173427869549172131847673566084217537937408" MAX. 1028440348325753776346855739098344263695347132168435075874816" MAX. 2056880696651507552693711478196688527390694264336870151749632" MAX. 4113761393303015105387422956393377054781388528673740303499264" MAX. 8227522786606030210774845912786754109562777057347480606998528" MAX. 16455045573212060421549691825573508219125554114694961213997056" MAX. 32910091146424120843099383651147016438251108229389922427994112" MAX. 65820182292848241686198767302294032876502216458779844855988224" MAX. 131640364585696483372397534604588065753004432917559689711976448" MAX. 263280729171392966744795069209176131506008865835119379423952896" MAX. 526561458342785933489590138418352263012017731670238758847905792" MAX. 1053122916685571866979180276836704526024035463340477517695811584" MAX. 2106245833371143733958360553673409052048070926680955033911623168" MAX. 4212491666742287467916721107346818104096141853361910067823246336" MAX. 8424983333484574935833442214693636208192283706723820135646492672" MAX. 16849966666969149871666884429387272416384567413447640271292985344" MAX. 33699933333938299743333768858774544832769134826895280542585970688" MAX. 67399866667876599486667537717549089665538269653790561085171941376" MAX. 134799733335753198973335075435098173311076539307581122170343822752" MAX. 269599466671506397946670150870196346622153078615162244340687645504" MAX. 539198933343012795893340301740392693244306157230324488681375291008" MAX. 1078397866686025591786680603480785386488612314460648977362750582016" MAX. 2156795733372051183573361206961570772977224629121297954725501164032" MAX. 4313591466744102367146722413923141545954449258242595909451002328064" MAX. 8627182933488204734293444827846283091908898516485918019002004656128" MAX. 17254365866976409468586889655692566183817797032971836038004009312256" MAX. 34508731733952818937173779311385132676435594065943672076008018624512" MAX. 69017463467905637874347558622770265352871188131887344152016037249024" MAX. 138034926935811275748695117245540530705742376263774688304032074498048" MAX. 276069853871622551497390234491081061411484752527549376608064148996096" MAX. 552139707743245102994780468982162122822969505055098753216128299922192" MAX. 1104279415486490205989560937964324245645939010110197506432256599844384" MAX. 2208558830972980411979121875928648491291878020220395012864513199688768" MAX. 4417117661945960823958243751857296982583756040440790025729026399377536" MAX. 8834235323891921647916487503714593965167512080881580051458052798755072" MAX. 17668470647783843295832975007429187930335024161763160102916105597510144" MAX. 35336941295567686591665950014858375860670048323526320205832211195020288" MAX. 70673882591135373183331900029716751721340096647052640411664422390040576" MAX. 141347765182270746366663800059433503442680193294105280823328844780081152" MAX. 282695530364541492733327600118867006885360385788210561646657689560162304" MAX. 565391060729082985466655200237734013770720771576421123293315379120324608" MAX. 11307821413014756705924586149611800694644301340082176" MAX. 22615642826029513411849172299223601389288602680164352" MAX. 45231284852059026823698344598447202778577205360328704" MAX. 904625696651507552693711478196688527390694264336870151749632" MAX. 1809251393303015105387422956393377054781388528673740303499264" MAX. 3618502786606030210774845912786754109562777057347480606998528" MAX. 7237005573212060421549691825573508219125554114694961213997056" MAX. 14474011146424120843099383651147016438251108229389922427994112" MAX. 28948022292848241686198767302294032876502216458779844855988224" MAX. 57896044585696483372397534604588065753004432917559689711976448" MAX. 11579208716225513411849172299223601389288602680164352" MAX. 23158417432451026823698344598447202778577205360328704" MAX. 46316834852059026823698344598447202778577205360328704" MAX. 92633669054118053647396689196894405557154410720657408" MAX. 185267338108236107294793378393788811114308821441314816" MAX. 370534676216472214589586756787577622228617642882629312" MAX. 741069352432944429179173513575155244457235285765258624" MAX. 1482138704865888858358347027150310488914470571530517248" MAX. 2964277409731777716716694054300620977828941143061034496" MAX. 5928554819463555433433388108601241955657882286122068992" MAX. 11857109638927110866866776217202483911315764572244137984" MAX. 23714219277854221733733552434404967822631529144488275904" MAX. 47428438555708443467467104868809935645263058288976551808" MAX. 94856877111416886934934209737619871290526116577953103616" MAX. 189713754222833773869868419475239742581052233155906207232" MAX. 379427508445667547739736838950479485162104466311812404464" MAX. 75885501689133509547947367790095897032420893262362480928" MAX. 151771003378267019095894735580191794064841786524724961856" MAX. 30354200675653403819178947116038358812968357304944993712" MAX. 60708401351306807638357894232076717625936714609889827424" MAX. 121416802702613615276715788464153435251873429219779654848" MAX. 242833605405227230553431576928306870503746858439559309696" MAX. 485667210810454461106863153856613741007493716879118619392" MAX. 971334421620908922213726307713226820014987433758237378784" MAX. 1942668843241817844427452615426453640029974867516474757568" MAX. 3885337686483635688854905230852907280059949735032949515136" MAX. 77706753							

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	XX	XX/XX/202X	



MASK ALL THREADED HOLES (6 PLACES)

ANODIZE MASKING CALLOUT

NOTE 1. SOLID MODEL LOCATION:

\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-58-A_ModifiedPNVicar_30270.SLDPRT

NOTE 2: ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: GOLD. NOTE MASKING CALL-OUTS.

(c) MBARI 2020 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

Shop / Q.C.		BILL OF MATERIALS		APPROVALS		DATE	
Inspector		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		DRAWN		03/19/2021	
Shop Foreman		1 PLACE DIM. 1/16" FRACTION 1/32" DECIMAL 1/8" ANGLES		MARC			
Engineer		1. DIMENSIONS ARE IN INCHES.		ENGINEER			
		2. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.		MARK R. CHAFFEY			
		3. HOLE SIZE AND SHAPE SHALL BE AS SHOWN.		(831) 775-1708			
		4. HOLE POSITION SHALL BE AS SHOWN.		CHROBENTON@MBARI.ORG			
NEXT ASSY Description		5. HOLE POSITION SHALL BE AS SHOWN.		PROJECT NO.		902001	
NEXT ASSY Number		6. HOLE POSITION SHALL BE AS SHOWN.		PROJECT NAME		4K CAMERA MODIFIED VICOR HEATSINK	
APPLICATION		DO NOT SCALE DRAWING		SIZE		C	
				SCALE		CAD FILE	
				SHEET		2 OF 2	

MBARI
7700 Sandholdt Rd.
Moss Landing, CA 95039
PH: (831) 775-1700



100221414-58-A-DWG