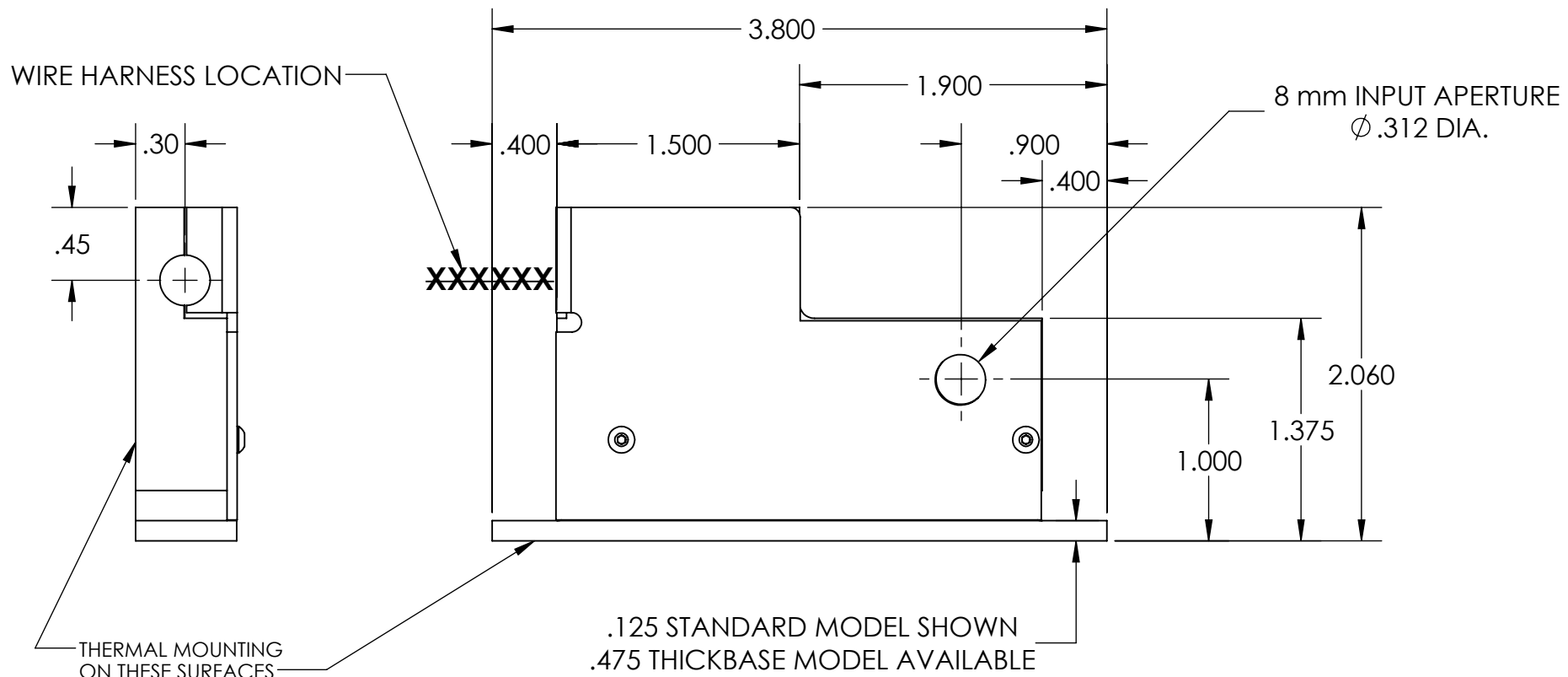
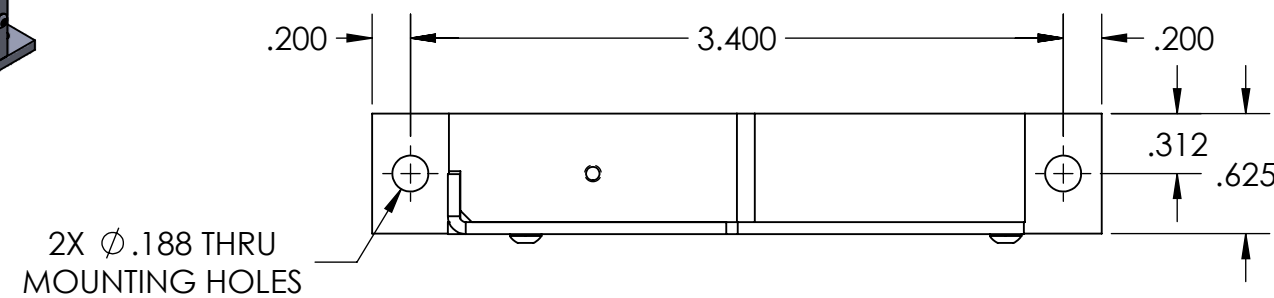
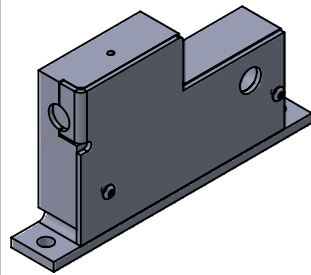


NOTES (UNLESS OTHERWISE SPECIFIED):

- ALL COMPONENTS AND MATERIALS OF THIS ASSEMBLY OR PART MUST BE CERTIFIABLY ROHS COMPLIANT.
- 3D DATA BASE SHALL BE USED IN CORRELATION WITH THIS DRAWING FOR FEATURES NOT DIMENSIONED ON FACE OF THIS DRAWING.
 - 3D MODEL (STEP) FILE AVAILABLE UPON REQUEST

ASSEMBLE PER NM LASER PROCEDURE SPECIFICATIONS

REVISIONS				
ECO#	REV.	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE	12/06/2019	M.K.
	B	UP-REV FIXED TITLE TYPO NAMING WRONG SHUTTER / SHUTTER FAMILY, ADDED OPTICAL DATA	6/26/2020	B.L.



NM LASER LST400 SPECIFICATIONS	
SHUTTER CLASS	SAFETY / PROCESS
APERTURE DIAMETER	8 mm
TYPICAL BEAM DIAMETER	6 mm
MAX. CW OPTICAL POWER	50 W
DIELECTRIC OPTICS	1064 nm (-1), 532 nm (-2), 355 nm (-3), 266 nm (-4), & 532/1064 nm (-12)
METAL OPTICS	CO2 (-C2), IR (-IR)
THERMAL POWER DISSIPATION	4 W HOLD OPEN, 8 W @ 3 Hz
ENERGIZE THE SHUTTER	APPLY 24 V FOR 45-60 ms
TO HOLD SHUTTER OPEN	DROP TO 7 VDC CONTINUOUS
MINIMUM HOLD VOLTAGE	5 VDC
MAX. SHUTTER REP RATE	3 Hz
SWITCHING SPEED	20 ms + 10 ms COMMAND DELAY
NOMINAL COIL IMPEDANCE	15 Ohms
POSITION SENSORS	STANDARD, 5V TTL LOGIC
WIRE HARNESS	6 LEAD, 22 AWG
CONNECTOR	MTA-100 AMP, OR ANY 6-PIN

DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR: $\pm 1^\circ$ ONE DECIMAL: X.X $\pm .1$ TWO DECIMAL: X.XX $\pm .015$ THREE DECIMAL: X.XXX $\pm .005$	NAME	DATE	TITLE: SHUTTER, LST400, LST400 STD
	DRAWN	B.L. 12/02/19	
	CHECKED	M.K. 12/06/19	
	ENG APPR.	B.L. 12/12/19	
	MFG APPR.		
Q.A.			SIZE DWG. NO. REV B LST400 B
3RD ANGLE PROJECTION			SCALE: 1:1 SHEET 2 OF 2
DO NOT SCALE DRAWING			

PROPRIETARY AND CONFIDENTIAL
 THE DESIGN INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF NM LASER PRODUCTS, INC. THE DISCLOSURE OF THIS INFORMATION DOES NOT CONSTITUTE THE RELEASE OF THE PROPRIETARY RIGHTS THEREOF, BUT IS TO BE USED FOR INFORMATION PURPOSES ONLY WHEN NECESSARY. PERMISSION TO REPRODUCE THIS INFORMATION OF THE PRODUCT DESCRIBED HEREIN MUST BE OBTAINED IN WRITING FROM NM LASER PRODUCTS, INC.