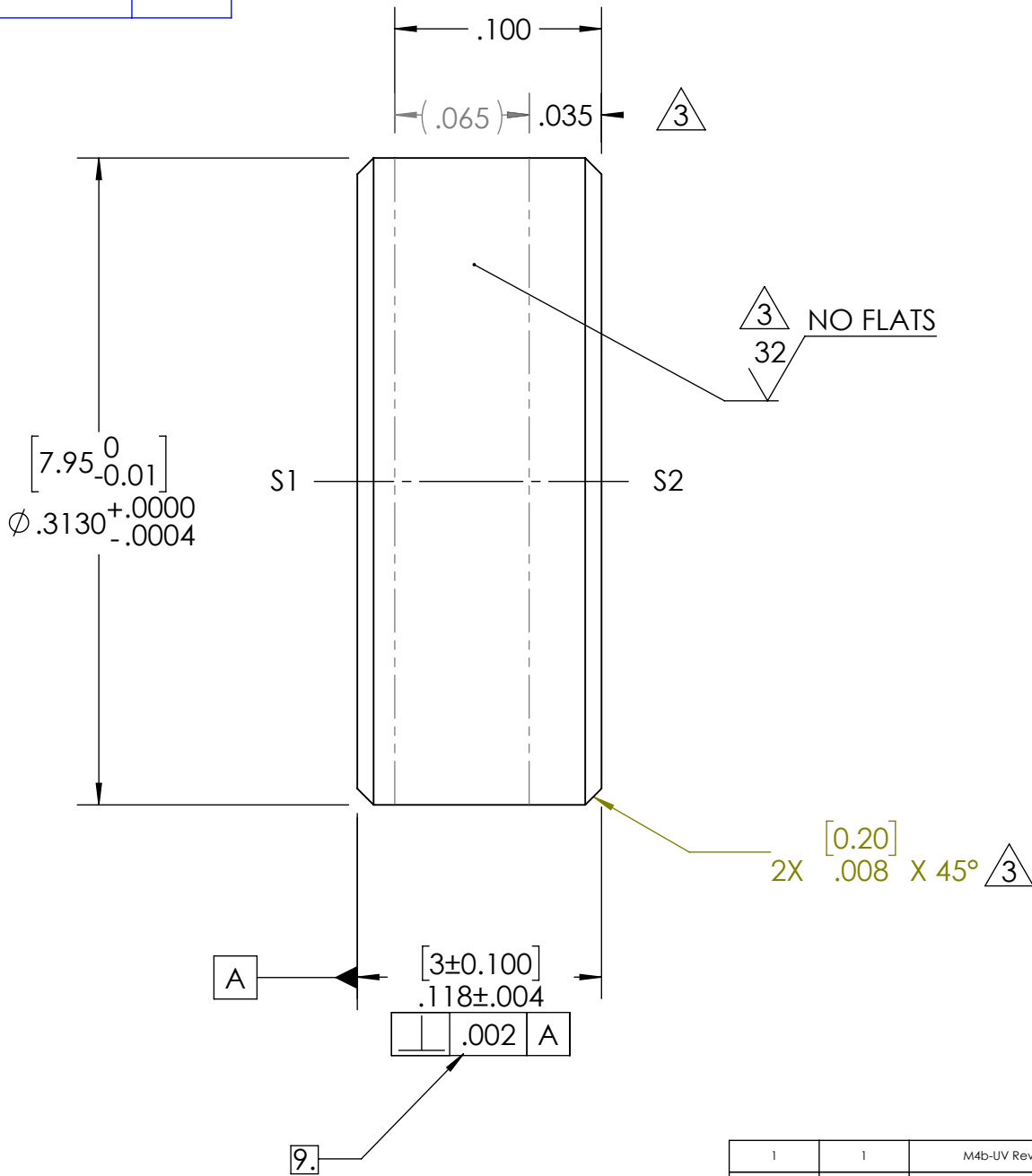


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SURFACE DATA TABLE								
SURFACE	RADIUS	TOL.	CCV	CVX	POWER	IRR	SCR/DIG	CA
S1	PLANO	1/2 fr P-V					60-40	5.9
S2	PLANO	1/2 fr P-V					60-40	5.9

REVISIONS				
INITIAL RELEASE		REVISIONS		
ZONE	REV.	DESCRIPTION	X/XX/01	J.E.
A2, B2	3	ADDED SURFACE FINISH & DIM'S ADDED MIRROR EDGE BEVEL	9/21/2020	J.E.



1. Element per MIL-PRF-13830
2. S1, S2 polished - other surfaces fine ground.
3. Bevel S2 only at 45 deg. x 0.2 +/- 0.1 deep.
4. Flatness and irregularity are fringes @ 633nm.
5. Coat S1 with Aluminum optimized for 215-270nm at normal with a protective overcoat for oxidation and abrasion resistance.
6. See back for reflectance reference scan.
7. Measured through S2, back surface reflection.

10. ADDED SURFACE FINISH W/ DIM'S.
9. ADDED GD&T CALLOUT FOR PERPENDICULARITY.
8. EQTL. No. M4b-UV, Rev.002, Date: 02/18/2010.
7. PROJECT LIBRARY:\ChemSensors\JonE\Equitech_LR4_Lens_Retainer
NOTES: (CONT. FROM TITLE BLOCK)

1	1	M4b-UV Rev.3	EquiTech Mirror Rev.3	PFG Optics	Corning 7940/7980-UV (Grade 2)
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 901217	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT CHEM. Sensors	
	A-201672-14	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT 0.001	
Application		DO NOT SCALE DRAWING		SIZE B DWG. NO. M4b-UV Rev.3.DWG	
				SCALE 12:1 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 1	

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EQUITECH - ISUS PROBE

EquiTech Mirror Rev.3

REV. 3