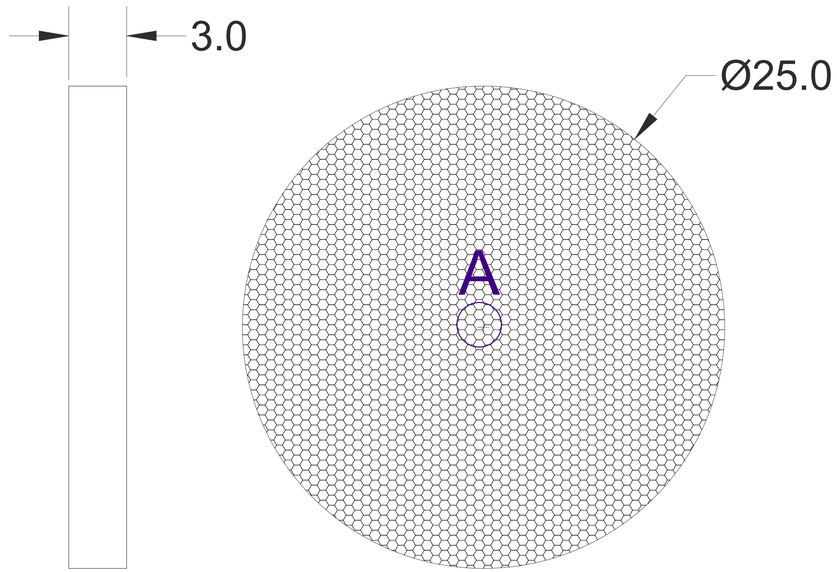
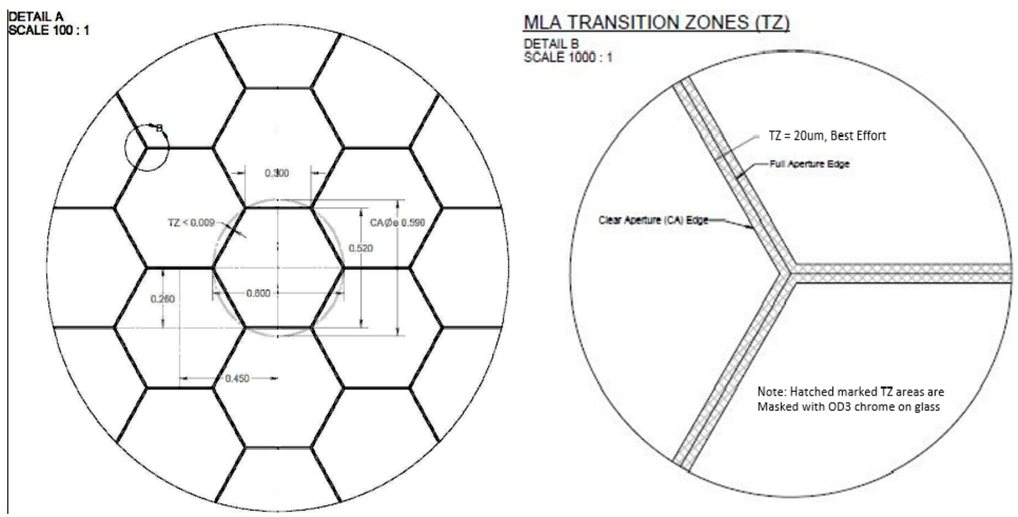
Revisions			
Rev	Description	Date	Approved
A	Initial Release	18Dec2017	DBrown



Qty: 3



1. Material:
   a. Material type: UV GRADE FUSED SILICA PER MIL-G-174
   b. Surface quality specification: 40/20 scratch/dig (S1 & S2)
2. Microlens Prescription (S1):
   a. Tolerances apply to mean value of measurements across the wafer.
   b. Microlens Full Diameter: 0.600mm
   c. Microlens RoC: 1.250mm±5%
   d. Full Lens Sag (ref): 36.53µm
   e. Fit Aperture: 0.470mm ,circular
   f. Fit Aperture Sag (ref): 22.29µm
   g. Surface Figure Error (rms): <120nm
   h. Transition Width: 20µm, best effort
3. Plano (S2)
   a. Texture Roughness: <3nm
4. Part Geometry:
   a. Clear Aperture: 22mm
   b. Microlens Pitch: 0.520mm Flat-to-Flat (Hex Packed)
5. AR Coating:
   a. Which surfaces: Both (S1 & S2)
   b. Wavelength Band: 370nm to 920nm
   c. Average Reflectance R < 2.0%, per surface
   d. Angle of Incidence: 0° - 20°
6. Mechanical Tolerances:
   a. Edge Chipping: 0.35mm
   b. Chamfers: 0.3mm±0.2mm
7. NOTES: UNLESS OTHERWISE SPECIFIED

   1. MANUFACTURE PER ISO 10110.
   2. THE OPTICAL ELEMENT WILL BE SHIPPED IN A PROTECTIVE HARD CASE.
   3. SHIPPING CONTAINERS SHALL NOT CONTACT COATED OPTICAL SURFACES.
   4. THE OPTICAL ELEMENT WILL BE SHIPPED WITH MEASURED SURFACE FIGURE/TEXTURE REQUIREMENTS, FILL FACTOR, AND AR COATING %R HAVE BEEN MET.

This design report is to be used in conjunction with the quote and will supercede the specifications given in any prior document wherever a conflict exists.

DESIGN ACCEPTANCE:
I authorize the fabrication of this design with the understanding that any changes in the requirements after this point will result in a delay of delivery and additional cost.

Signature _____ Date _____

After reviewing this report and signing above, please fax back to JOS - Huntsville at (256) 859-5890.

This drawing contains proprietary information and is not to be used or reproduced without the permission of Jenoptik Optical System Inc.

	Signature	Date
Design	DMartinez	12Dec17
Approved	DBrown	18Dec17
Customer		

Jenoptik Optical Systems LLC
205 Import Circle
Huntsville, AL, 35806
Tel. 256-859-1886
Fax. 256-858-0581

JENOPTIK

Tolerances unless otherwise noted: Third angle projection

107578 Part Drawing

Substrate Material	0 PLC	1 PLC	2PLC	Angle	Dimensions are in mm	Size	Drawing Number	Rev
Note 1	±0.25	±0.15	±0.05	0.5		D	107578-01	A

Scale | Sheet 1 of 1