



### **General Rules**

ARC encourages the use of the ARC Mask Order Form

Data extents cannot be within 15.0 mm from the edge of Photomask on the LRS600.

Data extents cannot be within 10.0 mm from left to right and 6.5 mm from top and bottom of Photomask on the MP80+.

Supply Critical Dimension's

No Double entities.

No Self-intersecting geometry.

Use decimal units and draw in microns or mils.

Data for reference only and not part of the mask design should be placed on a separate non-data layer.

Data within data needs layer separation. An example of this would be a clear window in a dark box. Data defining the outer box should be on one level and the data defining the inner window should be on another level. We use the term Paint and Scratch.

### **DXF Rules**

Use zero width polylines, join and close figures to create boundaries of three or more sides

If a tapered polyline with a width is used do not close them, keep open.

Do not scale blocks on insertion. They should be drawn at 1:1

Do not draw block data on layer 0

Draw block data on layer it is intended for

Block names must have less than 32 Characters and cannot have spaces or special characters.

Insert Block on layer 0

Use world coordinates (named UCS)

Use default txt.shx. Note if special font is needed.

### **Accepted data:**

Mtext single string (location may shift depending upon the font)  
Minserts  
Tapered Lines  
Solids  
Closed Ellipses  
Closed splines

### **Unacceptable data:**

Mtext multi string  
Regions  
Open Splines  
Nested Blocks with Extrusions



**DATA REQUIREMENTS of  
ADVANCE REPRODUCTIONS CORP.**

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**GDS Rules**

Supply Top Structure name

Structure names must be unique and cannot contain spaces and/or special characters

Do not scale Structures on insertion. They should be drawn at 1:1.

Do not use text fonts. Text must be exploded.

Supply Critical Dimension's

Use decimal units and draw in microns or mils, 1000 DBU's

Use layers 0 thru 255

**GBR Rules**

Center data at 0,0 if possible. If not please supply x,y location of center of image.

Supply data type, units and format.