

NOTES:

1. EDGES: BREAK SHARP EDGES. NO VISIBLE EDGE CHIPS > 0.25 MM DIAMETER
2. FLATNESS: 0.001" (0.0254MM)
3. PARALLELISM: S1 TO S2 < 0.001" / INCH (0.254 MM / 25.4 MM)
4. SURFACE QUALITY: SCRATCH: DIG 40/20
5. SUBSTRATE: 0.060" (1.5MM) THICK, PHOTO QUALITY SELECT SODA LIME FLOAT GLASS, INDEX OF REFRACTION 1.521/1.523 (589.3 NM SODIUM D LINE)
6. COATING: STANDARD CHROMIUM FIRST SURFACE. REFLECTIVITY 50 %±5% @550 NM, OPTICAL DENSITY > 3.0.
7. PATTERN TO BE CENTERED ON SUBSTRATE, ACCURATE TO ±1MM
8. POLARITY: POSITIVE. OPAQUE PATTERN ON CLEAR BACKGROUND
9. DOT DIAMETER: WITHIN ± 0.002 MM OF LISTED SIZE
10. DOT TO DOT ACCURACY WITHIN ± 0.001 MM
11. EACH TARGET WILL INCLUDE AN N.I.S.T. TRACEABLE CERTIFICATE OF ACCURACY IN COMPLIANCE WITH MIL-STD-45662A ON A SEPERATE 8.5" X 11" PAGE.

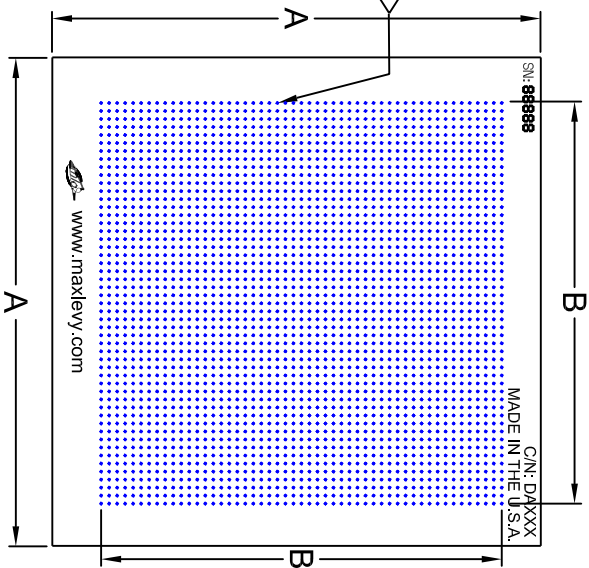
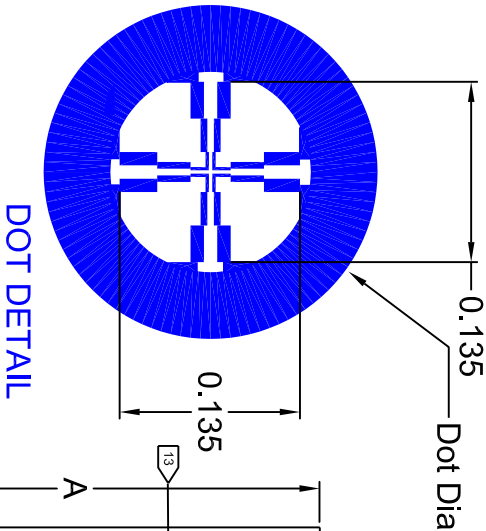
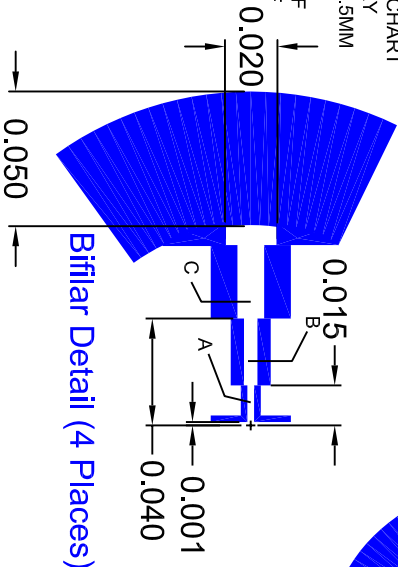
12. CORNER TO OPPOSITE CORNER GRID ACCURACY 1.414 TIMES THE OVERALL X OR Y ACCURACY LISTED IN CHART

13. TYPICAL DOT PATTERN ARRAY

14. DIMENSION "A" ACCURACY: ±0.5MM

15. BIFILAR PAIRS ARE EQUAL LINES AND SPACES, 4 SETS OF THREE FROM THE CENTER OF EACH DOT:

LINE AND SPACE WIDTH	
A	0.0025 MM
B	0.005 MM
C	0.010 MM



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DATE	SYM	REVISION RECORD	AUTH	DR	CK
4/23/09	rev 1	Max Levy part numbers correct 25007	SS		
8/14/09	rev 2	A. Dwyer from 1.0 to 0.5 dot size Correct Bifilar Caliber from Small to fine and space width size	MMV		

A	B	DOT DIAMETER	DOT SPACING	X & Y AXIS ACCURACY	DOT ARRAY			MLO CATALOG NUMBER	DRAWING DASH NUMBER
					X	Y	TOTAL		
2.5"	50 MM	0.50 MM	1.0 MM	±0.001 MM	51	51	2601	DA081	-001
4.5"	100 MM	0.50 MM	1.0 MM	±0.0015 MM	101	101	10201	DA083	-003
6.5"	150 MM	1.0 MM	2.0 MM	±0.0025 MM	76	76	5776	DA085	-005
1.5"	25 MM	0.25 MM	0.5 MM	±0.001 MM	51	51	2601	DA087	-007
1.5"	25 MM	0.50 MM	1.0 MM	±0.001 MM	26	26	529	DA089	-009

SHEET 1 OF 4		CATALOG NUMBER: RD2071	
MM TO TOLERANCES (EXCEPT AS NOTED)		MAX LEVY AUTOGRAPH	
GENERAL XXX± +/-.127 XX± +/-.381 X± +/-.762		SEE NOTES	
FRACTIONAL		NONE	
ANGULAR +/-.030		DRAWN BY M/RV	
DATE 1/15/09		APPROVED BY DS	
		TITLE BIFILAR CALIBRATION TARGET	
		DRAWING NUMBER 300MLA0196-0XX	