



METROLOGY INSPECTION REPORT

PART NAME:	GRID SIMULATION PLATE			REC'D:	1	DATE:	May 21, 2004
PF/SA NO.:	LAT-DS-03509-01	REV:	1	INSP'D:	1	INSPECTOR:	K. CABAN
ASSY/PROJECT:	GLAST TRACKER - TOWER STATIC TEST			ACC'D:		ENGINEER:	J. TICE
WORK ORDER/CHARGE#:		SEQ ID:		REJ'D:		PHONE/EXT:	
VENDOR:	DIAMOND TOOL & DIE INC.			NCR:		ROUTE TO:	

SERIAL NO.	DIMENSIONS		TOL (+)	TOL (-)				
	\square .002 [A]		0.0020	0.0000	0.0013			
	1.000		0.0100	-0.0100	1.0067			
	\parallel .010 A		0.0100	0.0000	0.0011			
	0.591		0.0050	-0.0050	0.5917			
	17.250		0.0300	-0.0300	17.2566	17.2571		
	\perp .005 A		0.0050	0.0000	0.0035	0.0037		
	7.480		0.0150	-0.0150	7.4773	7.4795	7.4787	7.4774
	CHAMFER		-	-	OK			
	CHAMFER		-	-	OK			
	R .100		0.0000	-0.1000	< 0.100			
	\frown .006 A B C		0.0060	0.0000	0.0007			
	\frown .0015 A		0.0015	0.0000	see below			
	$\{$ 6.823		0.0008	-0.0008	range	6.8161	6.8182	OT Range -0.0041 -0.0062
	$\{$ 9.244		0.0008	-0.0008	range	9.2361	9.2392	OT Range -0.0041 -0.0071
	0.080		0.0100	-0.0100	0.8018			
	R .250		0.0050	-0.0050	0.2491			
	\varnothing .014 $\text{\textcircled{M}}$ A B C		0.0140	0.0000	0.0050			
	0.500		0.0050	-0.0050	0.4988			
	\varnothing .014 $\text{\textcircled{M}}$ A B C		0.0140	0.0000	0.0039			
	4-40 UNC 2B		-	-	OK	1 EXTRA THREADED HOLE ON NEG X SIDE		
	\varnothing .008 $\text{\textcircled{M}}$ A B C		0.0150	@MMC	0.0216	ON -X AND +X SIDES ONLY		
	$\{$ 1.071		-	-	range	1.0647	1.0802	
	$\{$.810		-	-	range	0.8112	0.8162	
	$\{$.535		-	-	0.5360	0.5380		

COMMENTS:



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SERIAL NO.	TOL (+) TOL (-)														
DIMENSIONS	TOL (+)	TOL (-)													
$\perp \varnothing .250$	0.0010	0.0000	0.2502												
$ \oplus \varnothing .006 \textcircled{M} A B C $	0.0060	0.0000	0.0062												
$ 1.220 $	-	-	1.2201												
$.748 $	-	-	0.7463												
$.295 $	-	-	0.2960												
$ 45^\circ $ (CORNERS)	-	-	44.9510												
$ \// .004 A $	0.0040	0.0000	0.0011												
$\varnothing .281$	0.0050	-0.0020	0.2830												
$ \oplus \varnothing .012 \textcircled{M} A B C $	0.0120	0.0000	0.0020												
$ 7.425 $	-	-	7.4250												
$ 8.000 $	-	-	7.9996												
$ 1.650 $	-	-	1.6490												
$\perp \varnothing .438$	0.0050	-0.0050	0.4410												
$\nabla .355$	0.0050	-0.0050	0.3510												
8-32 UNC 2B	-	-	OK												
$ \oplus \varnothing .017 \textcircled{M} A B C $	0.0170	0.0000	0.0070												
$ 6.600 $	-	-	6.6010												
$ 7.875 $	-	-	7.8752												
$ 1.650 $	-	-	1.6480												
COMMENTS:															