

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
A	36-279	PRELIMINARY RELEASE	FJK	RFG	15 Jun 95
B	36-392	PRELIMINARY RELEASE			

HOLE LEGEND			
×	∅.035	692	YES
⊗	∅.040	248	YES
□	∅.047	111	YES
⊠	∅.024	1806	YES
⊞	∅.136	36	NO
⊕	∅.115	3	YES
⊗	∅.125	2	NO
□	∅.055	6	YES
□	∅.029	204	YES
□	∅.156	2	NO
⊞	∅.060	32	YES

NOTES:

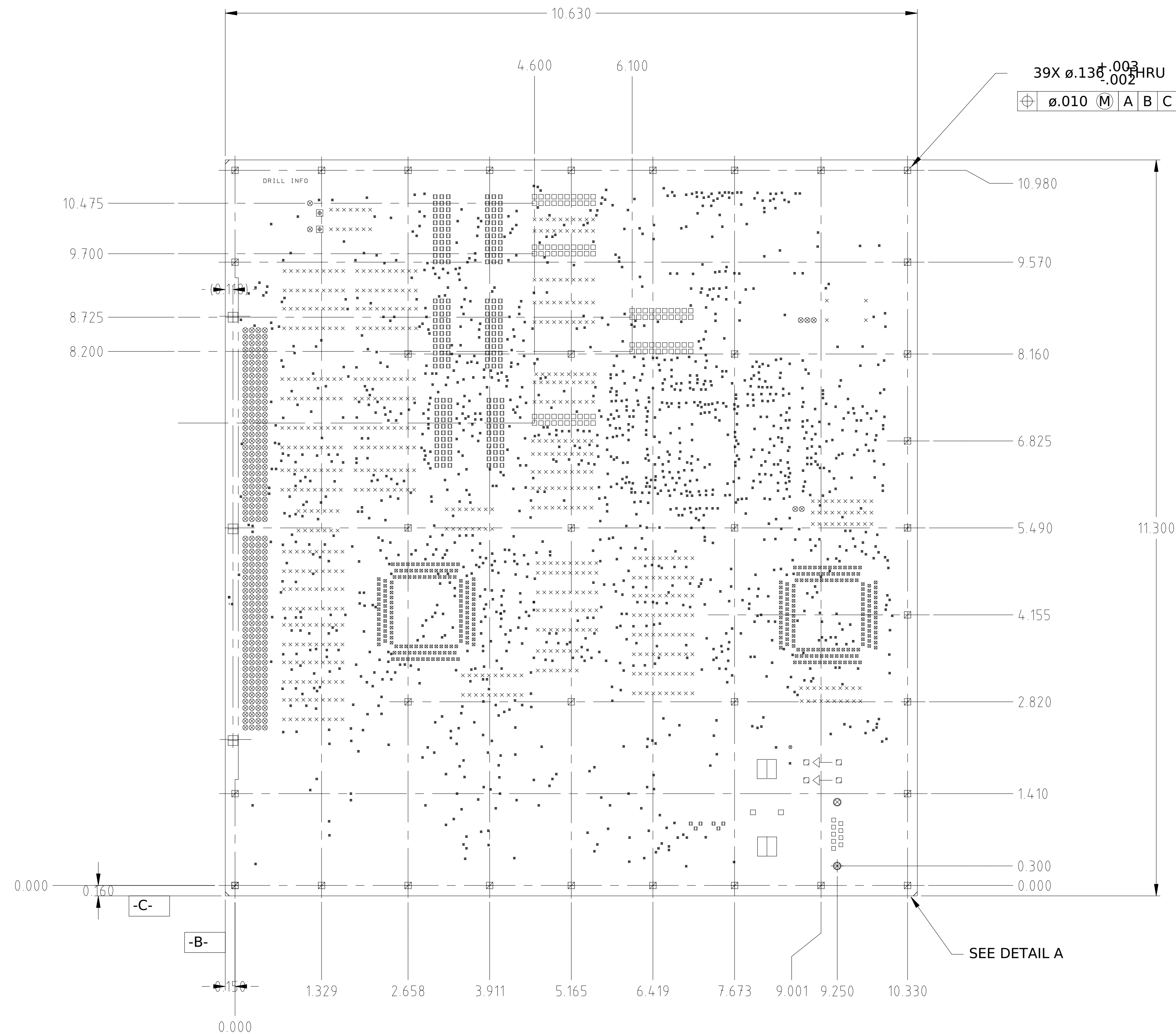
- ITEM SHALL BE FABRICATED AND TESTED IAW 36-02105.
- MARKING INFORMATION:
 - PWB NAME -- FRONT END PROCESSOR
 - PWB P/N -- 36-20302.01 REV A
 - ASSY P/N -- 36-20302
- ARRANGE LAYERS AS SHOWN IN DETAIL A.
- TIN LEAD SOLDER REFLOW PADS ONLY.
- COMPOSITE BOARD SHALL BE CONSTRUCTED TO WITHSTAND A WAVE SOLDERING OPERATION AT A MAX. TEMP. OF 500 F FOR 7 (SEVEN) SECONDS WITH NO EVIDENCE OF BLISTERING OR DELAMINATING.
- PLATE THROUGH HOLES AS INDICATED IN HOLE LEGEND.
- SOLDER MASK PRIMARY (LAYER 1) SECONDARY (LAYER 8).
- SILKSCREEN PRIMARY (LAYER 1) WITH EPOXY WHITE INK.
- BOARD GEOMETRY TO BE REMOVED BY FABRICATOR.
- ALL CORNERS .062R.
- THICKNESS OF DIELECTRIC OF LAYER ASSIGNMENT SHOWN FOR RE. REFERENCE ONLY.
- OVERALL THICKNESS INCLUDES PLATING.

DETAIL-A

COMPONENT SIDE

	- PRIMARY SILKSCREEN	
	- SOLDER MASK	
	- .0014 COPPER SIGNAL 1, (LAYER 1)	
	- .004 EPOXY/GLASS	
	- .0028 COPPER POWER PLANE (LAYER 2)	
	- .006 EPOXY/GLASS	
	- .006 COPPER CLAD INVAR (LAYER 3)	
	- .004 EPOXY/GLASS	
	- .0014 COPPER SIGNAL 2 (LAYER 4)	
	- .006 EPOXY/GLASS	
	- .0014 COPPER SIGNAL 3 (LAYER 5)	
	- .006 EPOXY/GLASS	
	- .006 COPPER CLAD INVAR (LAYER 6)	
	- .006 EPOXY/GLASS	
	- .0028 COPPER GROUND PLANE (LAYER 7)	
	- .004 EPOXY/GLASS	
	- .0014 COPPER SIGNAL 4 (LAYER 8)	
	- SOLDER MASK	

SOLDER SIDE



INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1982		NAME	DATE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY CENTER FOR SPACE RESEARCH CAMBRIDGE, MA 02139
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ANGLES ± 1° 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .01		DRAWN	22 FEB 95	
MATERIAL		CHECKED	15 Jun 95	PRINTED WIRING BOARD FRONT END PROCESSOR
NEXT ASSEMBLY		APPROVED	15 Jun 95	
USED ON		RELEASED	20 Jun 95	SIZE D CAGE CODE 80230 DWG. NO. 36-20302.01 REV. B
APPLICATION		WEIGHT		SCALE 1:1 SHEET 1 OF 1