REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
A	36-197	INITIAL RELEASE	FJK	RFG	12May95
B	36-391	CLEAR RIDS			

NOTES:

1. ITEM SHALL BE FABRICATED AND TESTED IAW 36-02105.
2. MARKING INFORMATION:
   - PWB NAME -- BACK END PROCESSOR
   - PWB P/N -- 36-20301.01 REV A
   - ASSY P/N -- 36-20301
3. ARRANGE LAYERS AS SHOWN IN DETAIL A.
4. TIN LEAD SOLDER REFLOW PADS ONLY.
5. 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.
6. PLATE THROUGH HOLES AS INDICATED IN HOLE LEGEND.
7. SOLDER MASK PRIMARY (LAYER 1) SECONDARY (LAYER 8).
8. SILKSCREEN PRIMARY (LAYER 1) WITH EPOXY WHITE INK.
9. BOARD GEOMETRY TO BE REMOVED BY FABRICATOR.
10. THICKNESS OF DIELECTRIC OF LAYER ASSIGNMENT SHOWN FOR REFERENCE.
11. OVERALL THICKNESS INCLUDES PLATING.

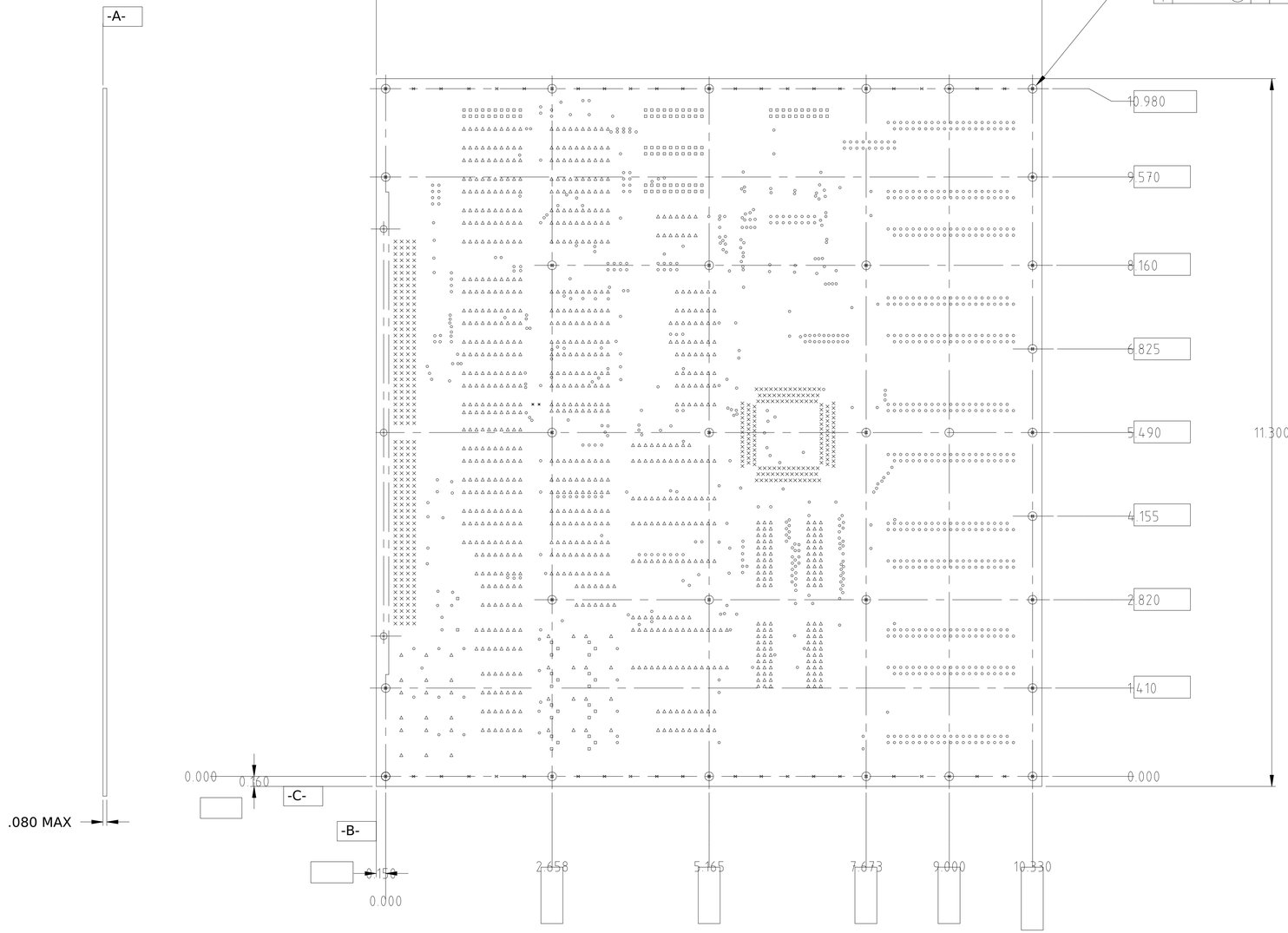
DETAIL-A

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

DRILL TABLE			
Symbol	Size	Plated	Qty
○	.020	P	986
×	.030	P	400
△	.032	P	964
□	.035	P	126
⋇	.040	P	2
⋈	.060	P	40
+	.110	P	3



NEXT ASSEMBLY	USED ON
APPLICATION	

INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1982

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE: ANGLES ± 1°
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .01

MATERIAL

WEIGHT

	NAME	DATE
DRAWN	ELECTROART	10APR95
CHECKED	F.Kasparian	12May95
APPROVED	R.Goeke	12May95
RELEASED	D.Gage	18May95

CSR
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CENTER FOR SPACE RESEARCH
CAMBRIDGE, MA 02139

PRINTED WIRING BOARD - BACK END PROCESSOR, EU

SIZE	CAGE CODE	DWG. NO.	REV.
D	80230	36-20301.01	B

SCALE 1 : 1 SHEET 1 OF 1