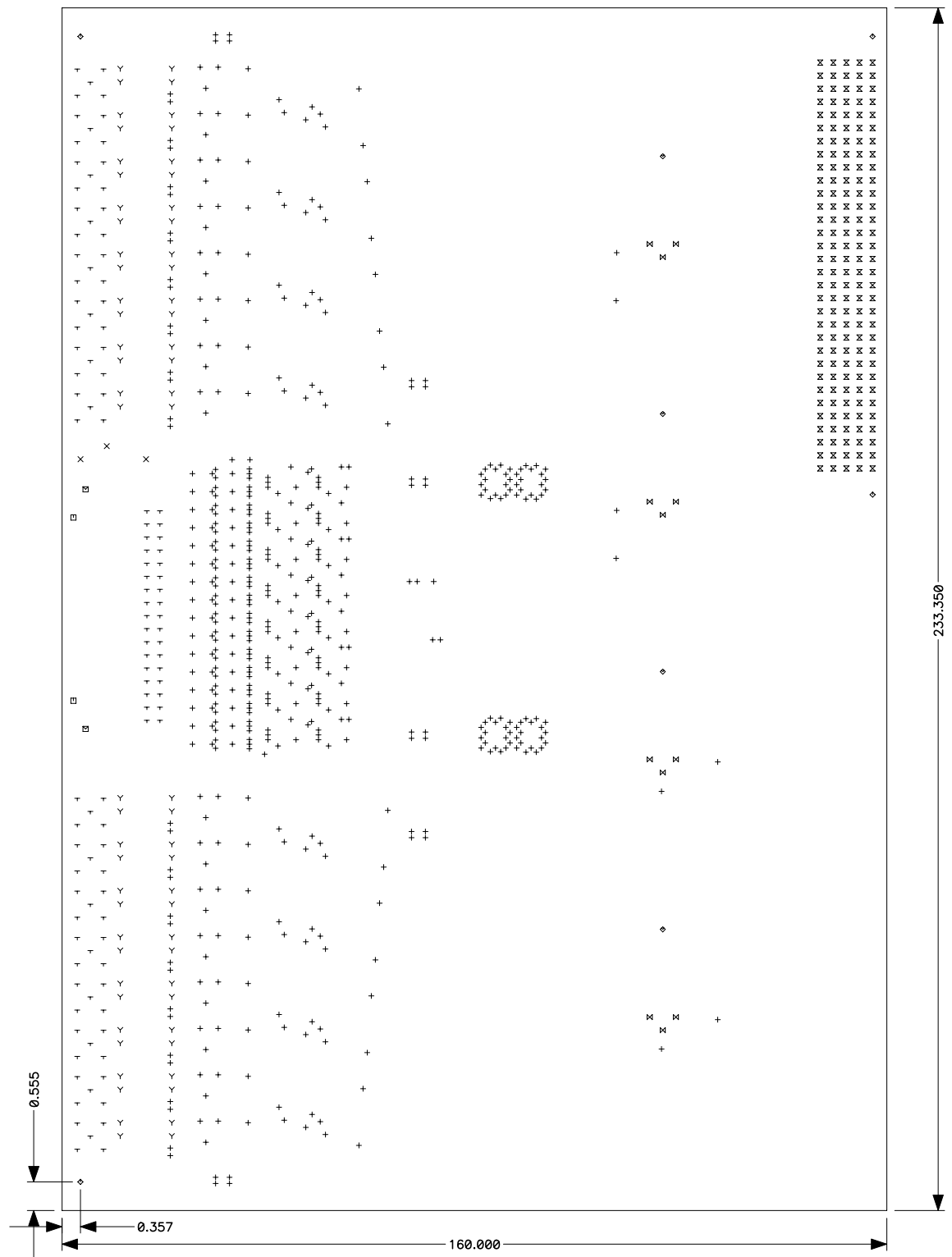


- NOTES: 1. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN mm.
2. MATERIAL: SEE LAYER STACK SPECIFICATIONS.  
FINISHED THICKNESS: 1.60 ± 0.15.  
(NOMINAL THICKNESS FROM SPECIFIED LAYER STACK IS 1.598)
3. FINISH: ELECTROLESS NICKEL / IMMERSION GOLD,  
REQUIRED MIN 0.05 um MAX 0.20 um GOLD
4. SOLDERMASK COLOR: RED  
LEGEND COLOR: WHITE
5. NETLIST ELECTRICAL TEST IS REQUIRED.
5. MINIMUM FEATURE SIZES:  
OUTER LAYERS: 0.180 / 0.180 LINE/SPACE  
INNER PLANE LAYERS: 0.260 SPACE  
FINISHED HOLE DIA. 0.380  
MIN ANNULAR RING WIDTH 0.160  
SOLDERMASK MIN WEB 0.090  
SOLDERMASK MIN CLEARANCE TO NSMD PAD 0.075
6. MANUFACTURER'S LOGO, PART NUMBER, LOT CODE, ETC. MAY BE ADDED  
IN LEGEND LAYER(S) ONLY. NO MODIFICATIONS PERMITTED TO COPPER  
OR MASK LAYERS, EXCEPT UPON EXPLICIT REVIEW AND APPROVAL  
BY INDIANA UNIVERSITY CYCLOTRON FACILITY.



FILE, LAYER STACK, AND MATERIAL SPECIFICATIONS		
FILE EXT.	ITEM	MATERIAL
.TL	TOP SIDE LEGEND	WHITE
.TSM	TOP SIDE SOLDER MASK (NEG)	RED
	FINISH PLATING	GOLD/NICKEL
	COPPER PLATING	1 Oz. COPPER
.TOP	TOP SIDE COPPER TRACES	0.5 Oz. COPPER
	FR-4 PREPREG 0.216	
.L2	LAYER 2 COPPER PLANE (NEG)	1 Oz. COPPER
	FR-4 CORE 0.991	
.L3	LAYER 3 COPPER PLANE (NEG)	1 Oz. COPPER
	FR-4 PREPREG 0.216	
.BOT	BOT SIDE COPPER TRACES	0.5 Oz. COPPER
	COPPER PLATING	1 Oz. COPPER
	FINISH PLATING	GOLD/NICKEL
.BSM	BOT SIDE SOLDER MASK (NEG)	RED
.BL	BOT SIDE LEGEND	WHITE
.DRP	PLATED HOLE DRILL DATA FILE	
.DRU	UNPLATED HOLE DRILL DATA FILE	
.DWG	THIS DRAWING (IN GERBER FORMAT)	

Drill Table			
Hole Dia (mm)	Symbol	Quantity	Plated
0.380	+	516	Yes
0.700	X	3	Yes
0.800	Y	64	Yes
0.940	⊖	114	Yes
1.000	⊗	160	Yes
1.168	⊞	12	Yes
2.057	□	2	No
2.700	◇	4	No
2.750	⊠	2	Yes
3.175	◇	4	Yes

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Project **GLUE-X - DRIFT CHAMBERS**

Title **RECEIVER/SHAPER PROTOTYPE**

Number **308913-000** Rev **-**

Date **11/20/2006** Eng. **G. VISSER**

