



COMPATIBILITY MATRIX - AEC

ORIGINATOR'S SPEC/DWG NO.	SUP73799800
AEC BOARD ASSEMBLY NO.	737998xx

REV	ECO	APPROVAL	DATE
A	NEW RELEASE	ORIGINATOR: B. ZUEST	
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COMPATIBLE ION AEC PREAMPLIFIERS / CHAMBERS FOR AEC BOARD 737998-00: 4 CHANNEL ION


COMPATIBILITY: AEC Board, 737998-00, is compatible with Preamp / Chamber combinations requiring / providing the following signals and levels.

CAUTION: Ensure board is correctly wired before applying power. Field Select and Reset outputs are open collector and are easily damaged if wired to a low impedance supply.

Description	737998-00	
	J1 to J4 D-Sub pin-out	Function
Not Connected	1	None
Field select - (C)	3	0v – Active Low
Field select - (L)	2 *	0v – Active Low
Field select - (R)	6 *	0v – Active Low
Reset / Start	4	0v – Active Low
Chamber Output signal	5	+ Ramp
- 12 vdc supply	7	- 12 vdc
+ 12 vdc supply	8	+ 12 vdc
0 vdc supply	9	0 vdc (common)

- * AEC Board Jumpers, JW1 to JW8, reverse the L and R field selections.
 In Normal (N) position, pin 2 of J1 to J4 selects the left field.
 In Reverse (R) position, pin 6 of J1 to J4 selects the left field.

PREAMPLIFIER COMPATIBILITY NOTES

Manufacturer	Preamplifier Model	Chamber Compatibility Notes (Pg. 2)	Comments
			Interfaces directly with 9-Pin Male D-Sub connectors 
Claymount (Comet AG)	SSMC 1001 Pre-Amplifier (v) (Telamat PA 101 Pre-Amp)		D-Sub socket on AEC Board 737998-00



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- Notes:**
- (1) All preamplifiers must be configured for:
 - active low field select and reset/start signals
 - positive ramp output signal
 - (2) Interface cables (AID# 75035-xx, Ion Chamber Cable, 9 pin D-Sub, M-F, Straight-thru, 1 to 1 pin-out, or similar) are required to interface directly to the above preamplifiers.
 - (3) Due to mechanical interference, do not use right angle connectors to connect the preamplifiers to the 737998-00 AEC board.

ION CHAMBER COMPATIBILITY NOTES

- (v) The following statements apply to the compatibility of the chambers to the preamps:
- The Claymount Preamp SSMC 1001 is a direct replacement/equivalent for the Comet AG Preamp PA 101.
 - Both the above Preamps allow connection to either the Claymount SSMC 500 series Solid State Chambers or the Comet AG "Telamat" series Solid State Chambers.

**CONSULT FACTORY FOR COMPATIBILITY WITH CHAMBERS / PREAMPLIFIERS
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