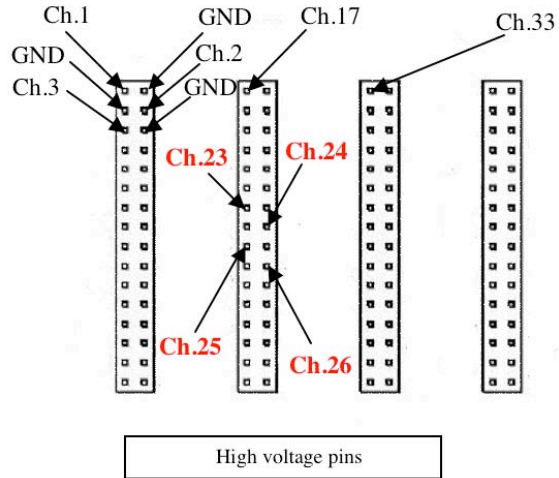


Burle MCP-PMT for the TOF test in the beam:

6.1.2007

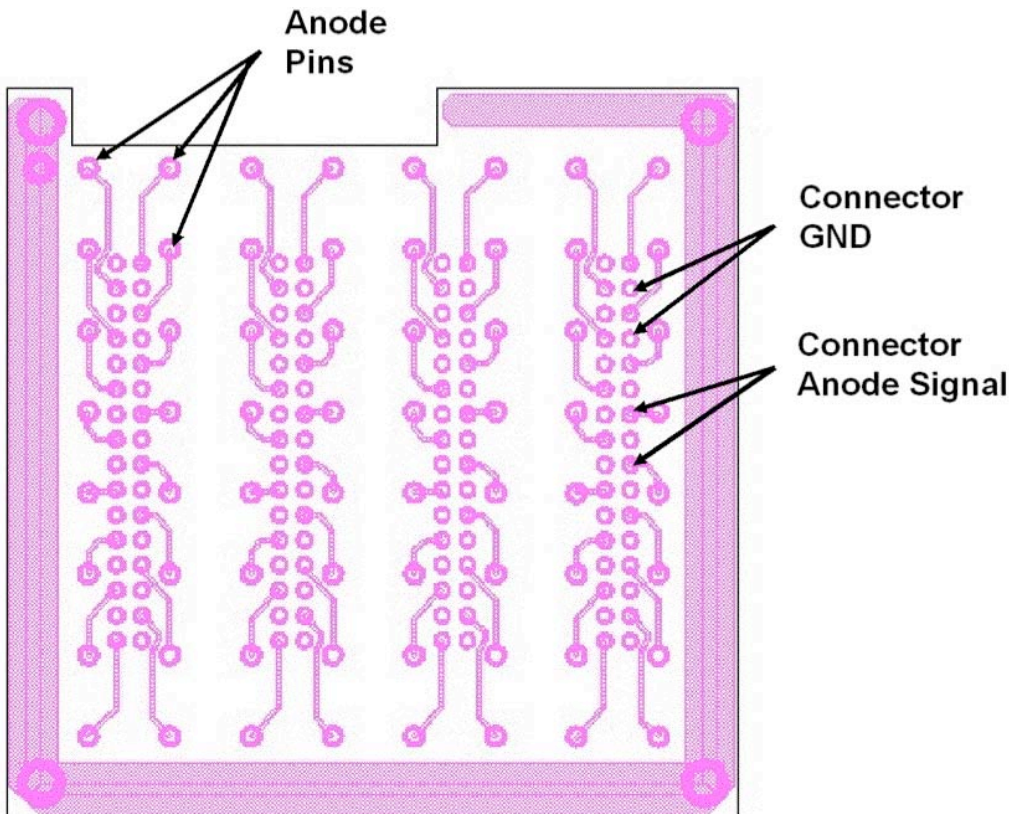
- Connect together pads 23, 24, 25 and 26; all the rest are grounded.
- Burle MCP-PMT with 10 μm holes, serial number S/N 11180401.
- Both pictures are views from the pin side (back side):

1	2	17	18	33	34	49	50
3	4	19	20	35	36	51	52
5	6	21	22	37	38	53	54
7	8	23 24 25 26		39	40	55	56
9	10			41	42	57	58
11	12	27	28	43	44	59	60
13	14	29	30	45	46	61	62
15	16	31	32	47	48	63	64

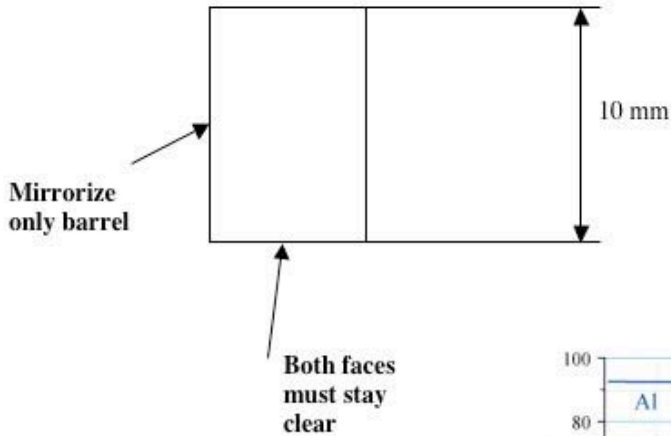


- Choosing an assymmetric radiator location makes it easier to connect 4 pads together without creating an inductance problem.
- Center of the quartz radiator: [-6mm, 0mm], where [0,0] is the center of the tube.
- Scott's information (Burle):

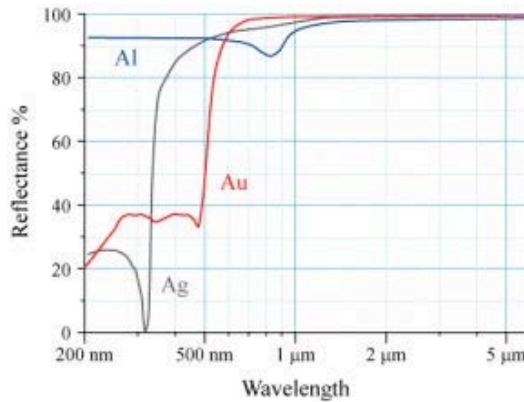
The pins that you indicate have the shortest traces on the PCB. Channels 23 and 26 will have the same trace length as will channels 24 and 25. The difference in length between (23, 26) and (24, 25) is 2mm. The (23,26) pair is shorter.



Mirrorize barrel sides of the Fused Silica rod



Material: Fused Silica rod
 Coating: Aluminum
 Protection: Yes
 Ave. reflectivity: > 91%
 Wavelengths: 300-700 nm
 Number of rods to coat: 2
 Delivery time: July 10
 Cost: \$1000.-



Walter Siehien
 Blue Ridge Optics
 Tel: (540) 586-8526

Address: Blue Ridge Optics
 Walter Siehien
 Tel. 540-586-8526
 Fax. 540-586-8527
 e-mail: walter@blueridgeoptics.com

- Competing quote:

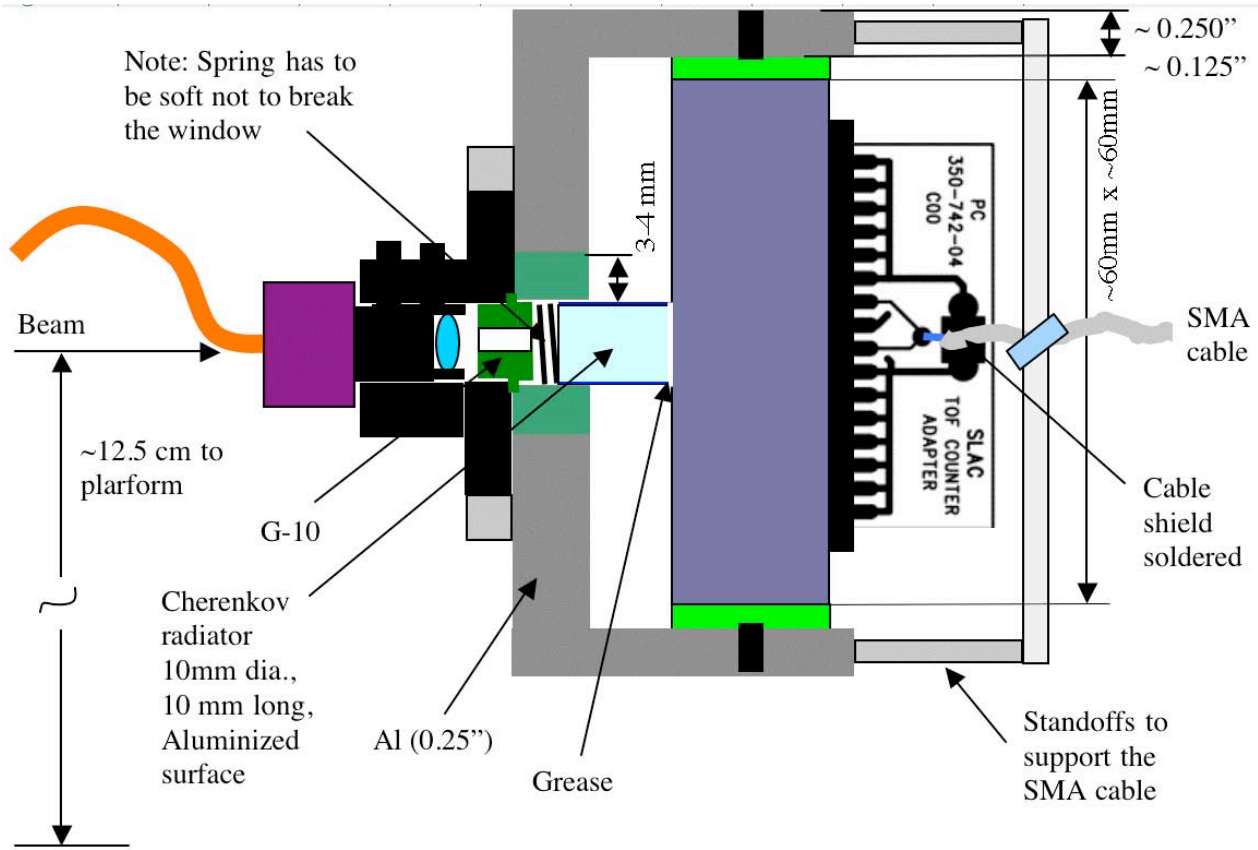


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 www.rmico.com

QUOTENUMBER07-1045RevA

ITEM	DESCRIPTION	QTY	UNIT PRICE
1	Coating Service: Protected Al, Ravg>90% @ 400-700n, and Ravg>85% @ 240-400nm, Customer supplied fused silica rod • Ends not coated	2	\$500.00
2	NRE	1	\$1500.00
	RMI is not responsible for customer supplied substrates		
	Expected Delivery: 4 Weeks ARO or Sooner		

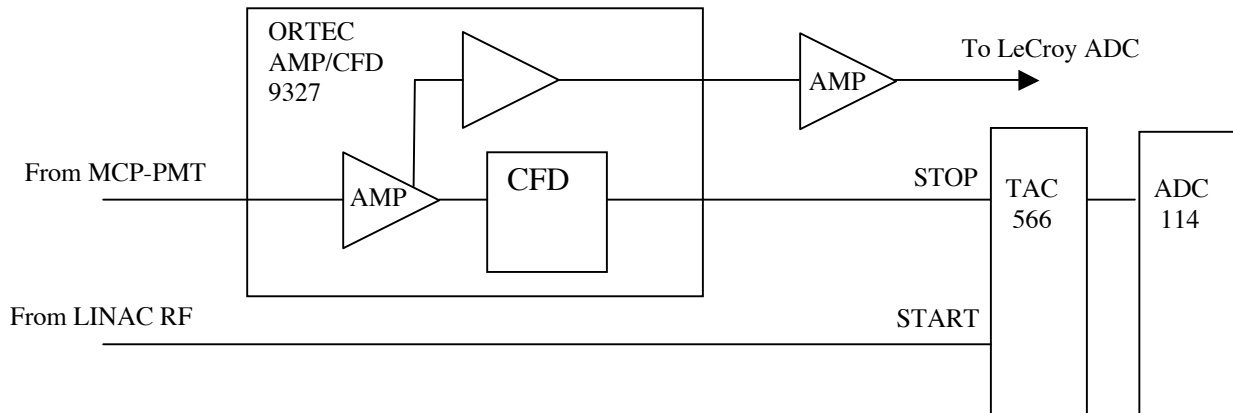
- TOF counter for the test beam:



TOF counter v.10. 6.21.2007

Electronics:

a) Version 1:



b) Version 2: Use two MCP-PMT detectors in the beam, one as a START and one as a STOP.