Suggested HV cable attachment (1)

CENTER CONDUCTOR
SOLDER PAD FOR COAX SHIELD
COAX SHIELD
FERRITE BEAD
BOARD GROUND

N. KITAMURA 2/5/2003
Suggested HV cable attachment (2)

Requirements

- No strain on the center conductor regardless of the presence of additional harness mechanism.
- The ferrite bead shall have its own footprint.

The cable can be either side-entry or bottom-entry to the PCB.
HV Generator
Mounted on the bottom side of the daughter board. The coax comes straight up thru a hole in the daughter board.

General area of coax attachment.

Ignore PMT pinouts!!
Portion of 5549B020 Rev F

Note: Ignore Drawing Rev E (Incorrect PMT pin locations)

Ice Top View = Board side away from PMT

Coax transformer

General area for high-voltage entry

1.5X Ø 1.10
PLATED THRU HOLE
WITH 2.54 PAD

R23.30±0.150

ICE TOP VIEW
Side View

HV connection cable

30mm (approx.)

HV Generator

40mm (approx.)

PMT neck

Coax transformer

PMT Base board

2/7/2003 N. Kitamura