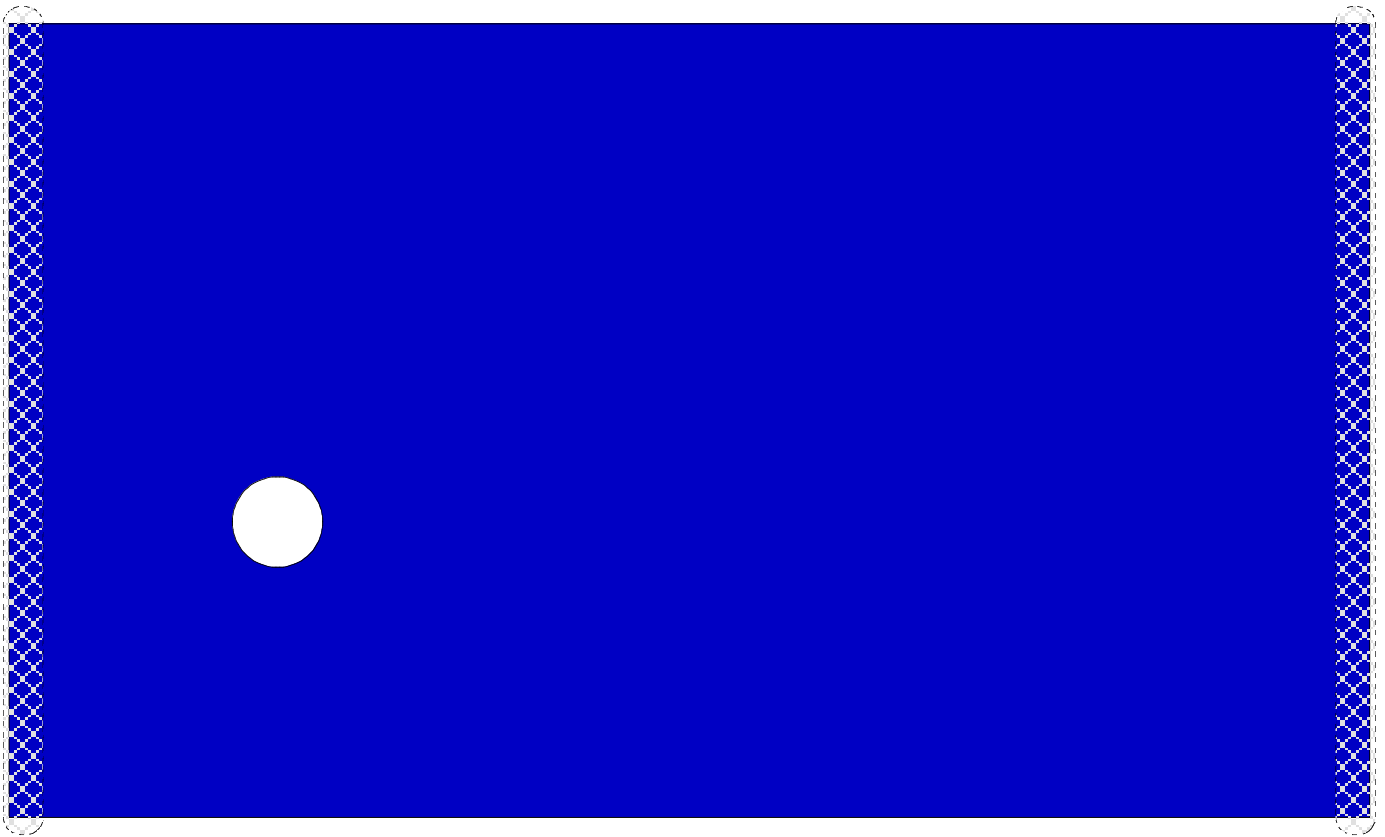


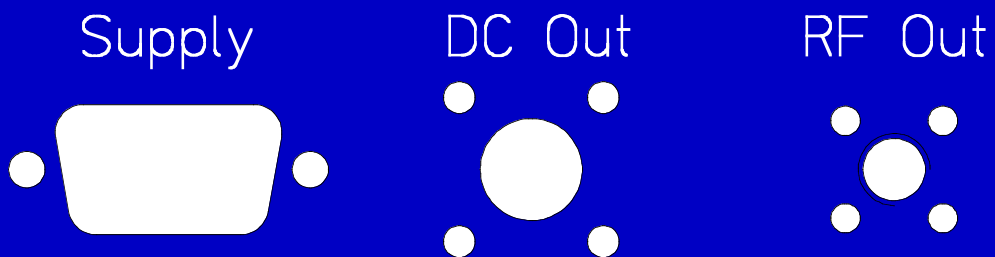
Front



PD is plugged in from the front through hole

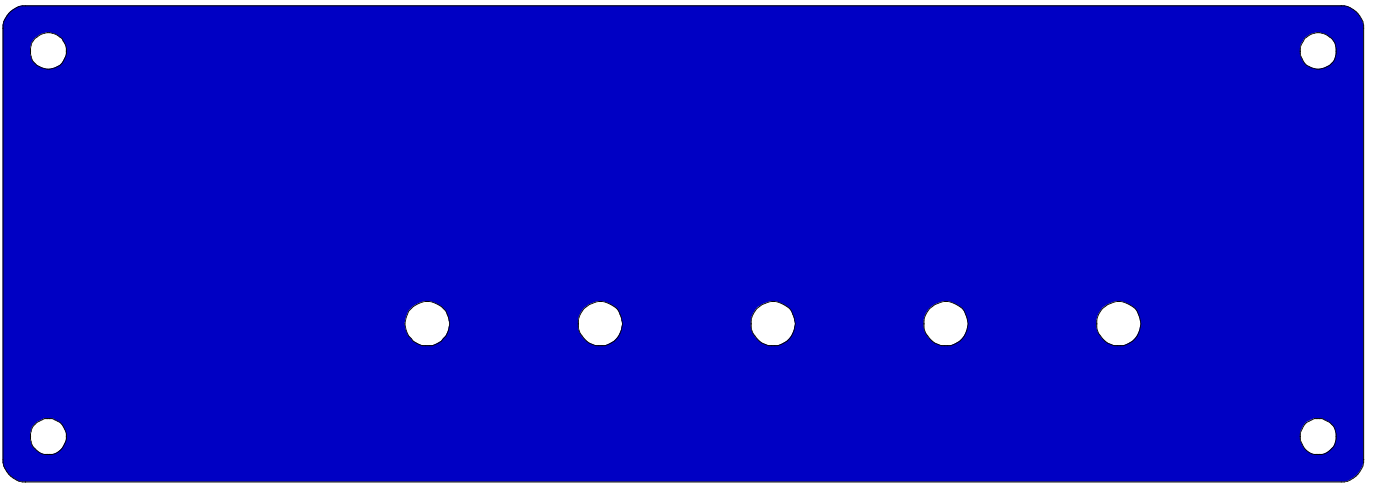
Back

LIGO Lab Generic RFPD
D1100072



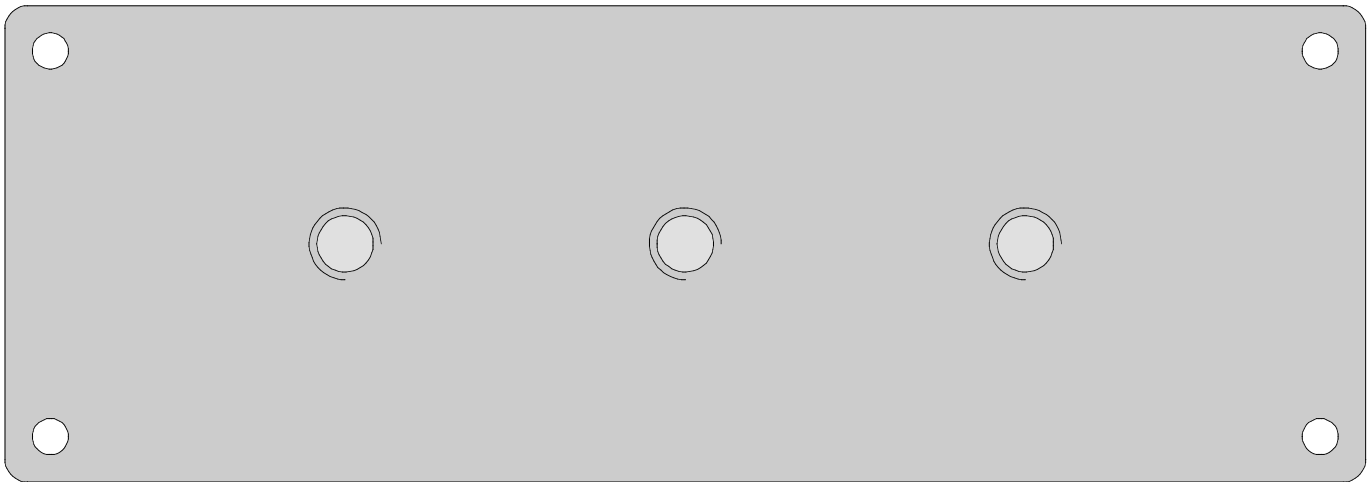
Supply: 9-pin D-Sub (power in from rack and DC out for monitoring)
DC Out: BNC
RF Out: SMA

Top



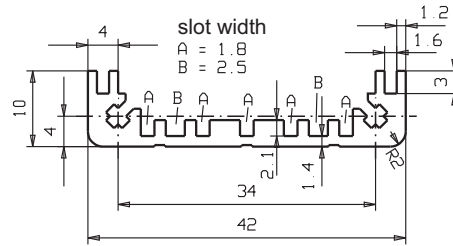
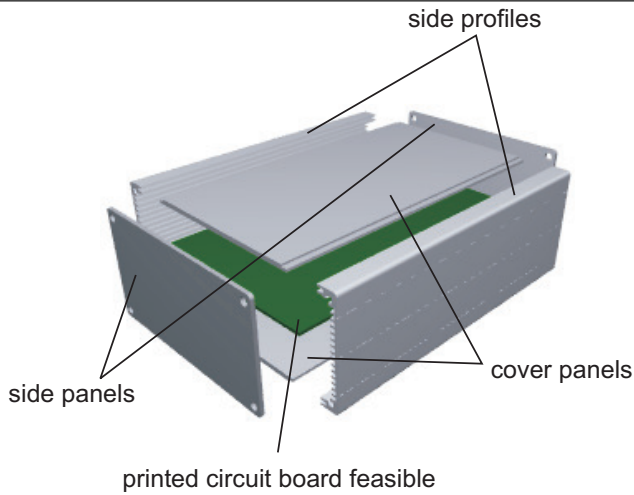
Holes in center for mounting voltage regulators

Bottom



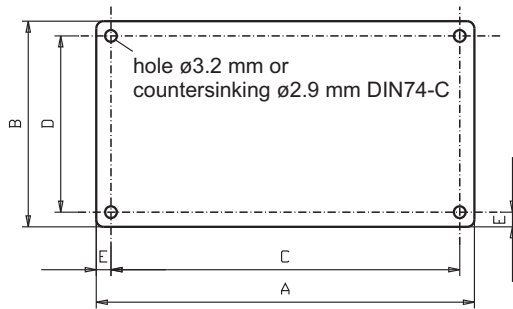
1 cm thick (other 3 panes are 4 mm) for rigidity. Three 1/4-20 blind holes for mounting to base.

Side profile 1



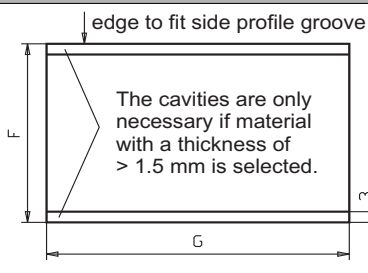
The length of the side profile is the same as the length of the cover panel (G).

Side panels



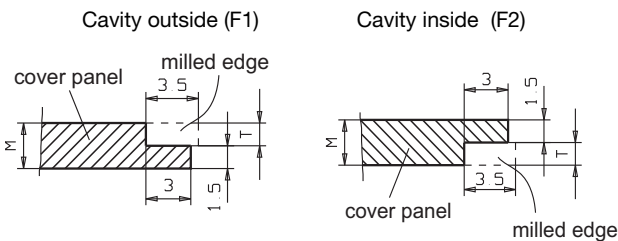
Width of enclosure (A) =	$\geq 30; \leq 1000$ mm
or (A) =	Board width + 3 mm
Height of enclosure (B) =	42 mm
C =	A - 8 mm
D =	34 mm
E =	4 mm
Material thickness =	≥ 2 mm
Corner radius =	2 mm

Cover panels



Cover panel length (G) =	$\geq 30; \leq 1000$ mm
Material thickness (M) =	≥ 1.5 mm
Corner radius =	0 mm
Cover panel height (F) =	A - 14.2 mm

Cavity	F1 (Case 1)	F2 (Case 2)
Height =	3.5 mm	3.5 mm
Width =	G + 3 mm	G + 3 mm
Depth (T) =	M - 1.5 mm	M - 1.5 mm
Cavity shape:	rectangular	rectangular
Corner radius =	1.5 mm	1.5 mm
Tool =	3 mm	3 mm
Rotation angle =	0° (when aligned horizontally) 90° (when aligned vertically)	
On reverse side:	no	yes



With material thicknesses >2.5 mm the cover panel overlaps the side profile. It is best to position the cavity inside.

When the alignment is vertical the X and Y values are exchanged.	Cavity placement (horizontal alignment)		F1 (Case 1)	F2 (Case 2)
	lower cavity	X =	G / 2	G / 2
		Y =	1.25 mm	1.25 mm
	upper cavity	X =	G / 2	G / 2
Y =		F - 1.25 mm	F - 1.25 mm	