THE EMCAL Module Components

Containment: 88 parts

1) Back (holes: 144 thru for fibers + springs + mech. support), 1
2) Compression (holes: 144 thru for fibers + springs), 1
3) Front Plate (holes: 144 thru for fibers + springs + mech. support), 1
4) 5) Plungers (10)
6) Bellville washers (75)

Tensioning and Insulation: 40 parts

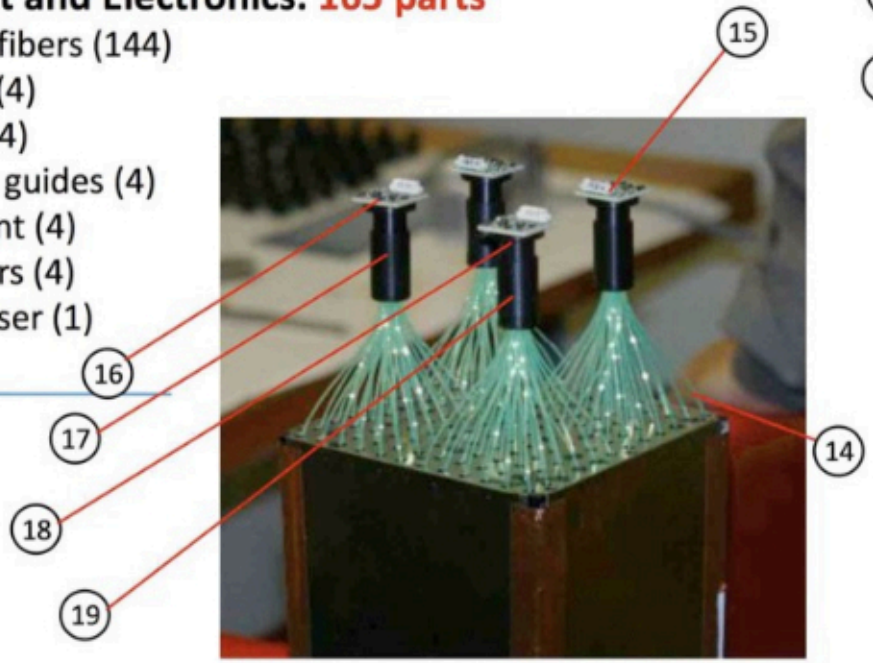
7) Stainless steel straps (4)
8) Screws (24)
9) Flanges (8)
10) Light tight stickers (4)

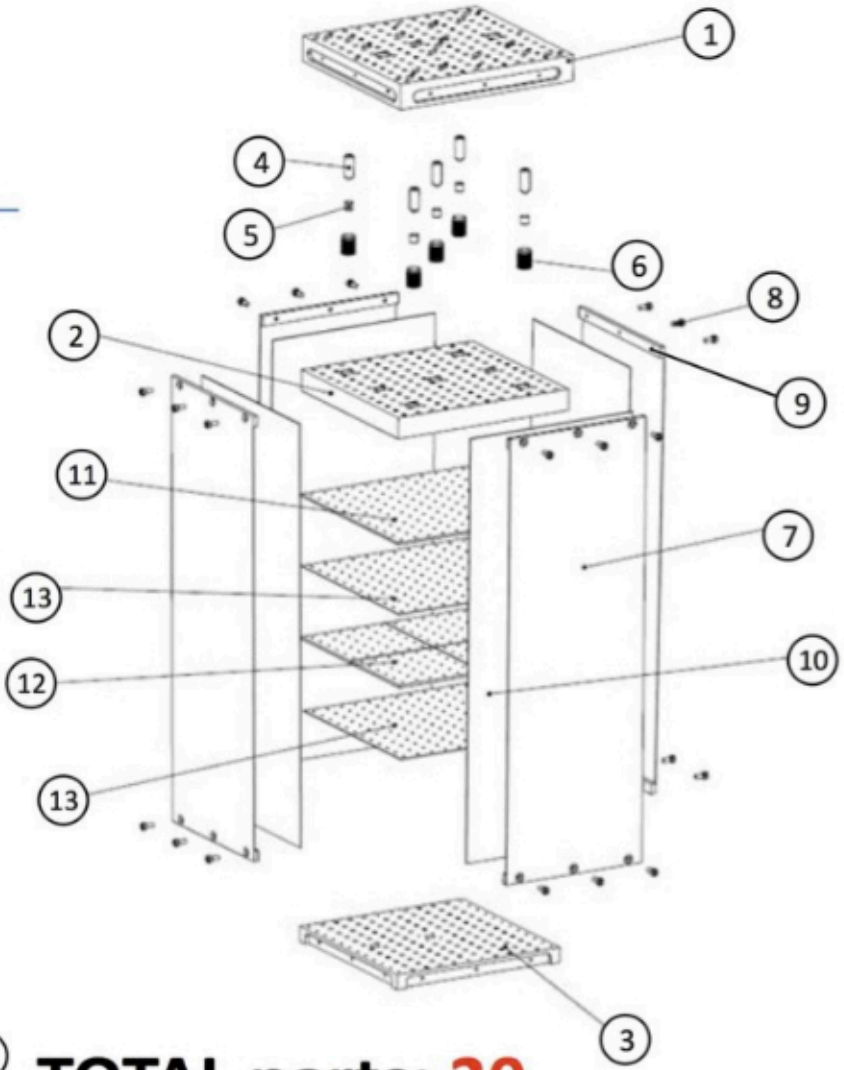
Sandwich: 538 parts

11) Lead tiles (76)
12) Scintillator tiles (308)
13) Bond paper sheets (154)

Readout and Electronics: 165 parts

14) WLS fibers (144)
15) APD (4)
16) CSP (4)
17) Light guides (4)
18) Mount (4)
19) Collars (4)
20) Diffuser (1)





TOTAL parts: 20

TOTAL components: 831

Plus cabling, GMS and mech. supports