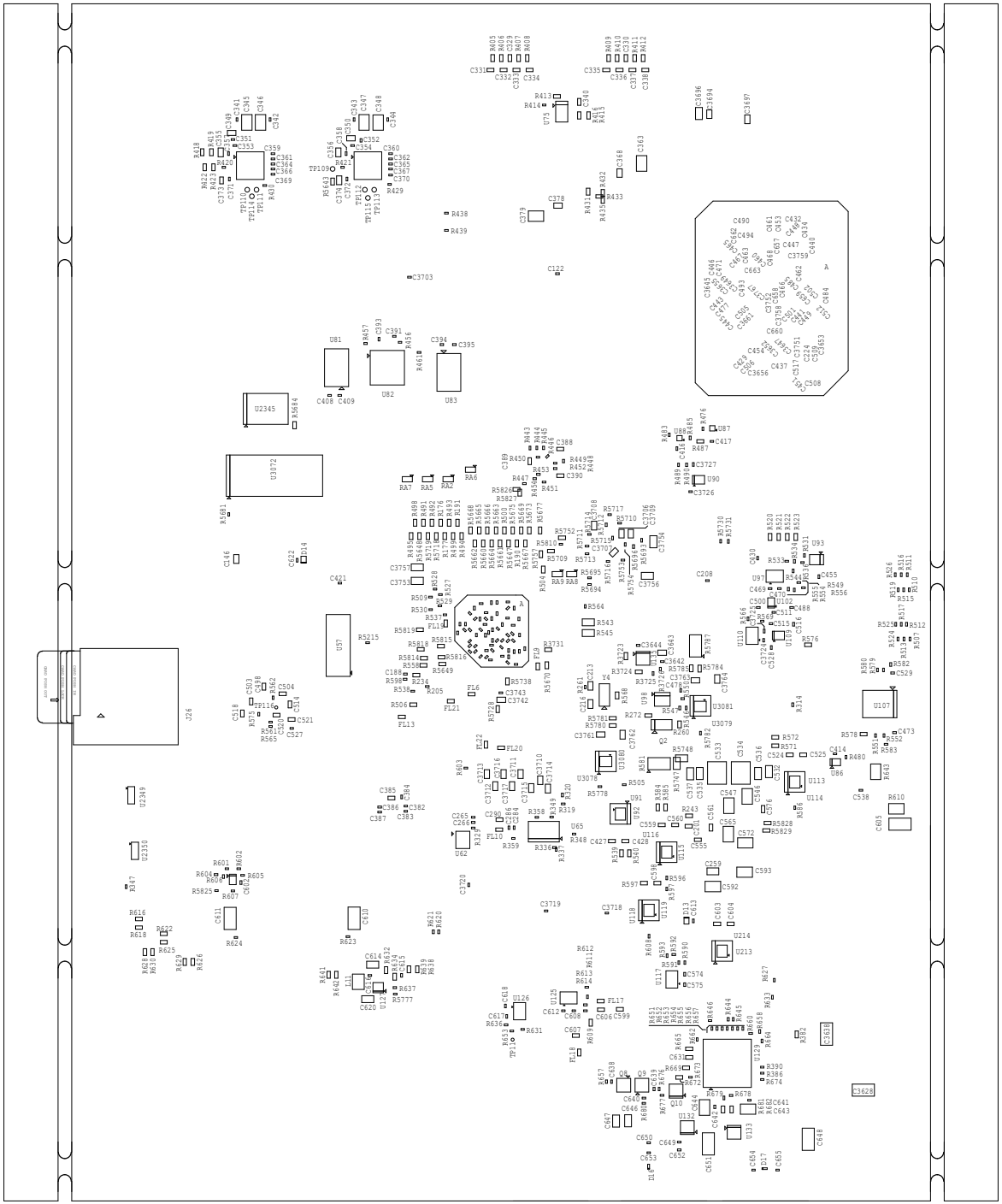BOTTOM ASSEMBLY OF PROC190E1