Embedding Groups into the Baer-Specker Group

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A torsion-free abelian group is called countably separable if every countable subgroup is contained in a countable free direct summand. In 1989 Dugas and Irwin proved the following statement independent of ZFC: Every countably separable group is isomorphic to a pure subgroup of the Baer-Specker group $\mathbf{Z}^\omega$. Their proof used $\diamond$ and MA. We extend this result by showing that the statement is also independent of any axioms about cardinal exponentiation.

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