

COLECOVISION ROLLER CONTROLLER

OPTOCOUPLER REPLACEMENT

TECHNICAL SERVICE
BULLETIN

LE-CVROLLER-01
REVISION A
12/03/2023

SUBJECT: REPLACEMENT OPTOCOUPLERS FOR COLECO ROLLER
CONTROLLER UNITS

AFFECTED PRODUCT: ALL COLECO ROLLER CONTROLLER UNITS

ISSUE DESCRIPTION:

The original LTM72564 Optocoupler (“M” for “Proprietary uModule Device”) manufactured by Linear Technologies was a proprietary device made specifically for Coleco. It was never made available to the general public as far as I know and was subsequently discontinued by Linear Technologies.

CORRECTIVE ACTION:

Lundy Electronics has found a replacement optocoupler that is a drop-in replacement that requires no modifications to the roller controller or circuitry. The replacement optocoupler does have tabs that need to be cut to make it a one-to-one replacement with the same dimensions, sensor height, and pinout as the original proprietary Linear Technologies optocoupler designed for Coleco.

The OPB822S optocoupler made by TT Electronics is a direct replacement with the following modifications. See **Figure 1**.

Cut tabs using cutting dikes. See **Figure 2**.

Mark pin one position for reference and proper installation. See **Figure 3**.

Optocoupler installed. See **Figure 4**.

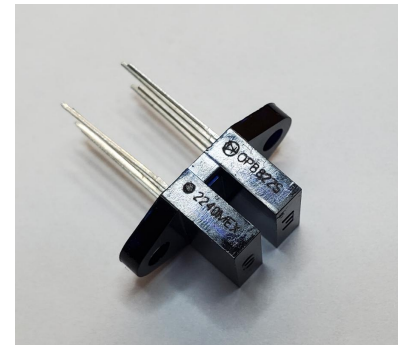


Figure 1

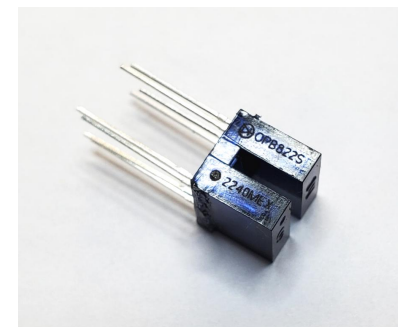


Figure 2

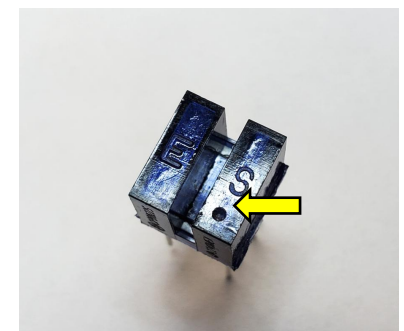


Figure 3

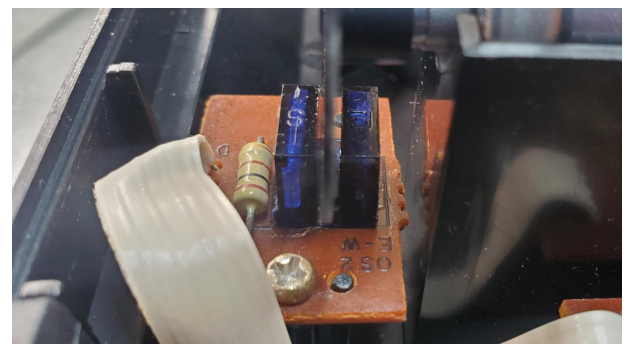


Figure 4