TCS ™

Our Famous
GOOF PROOF Warranty
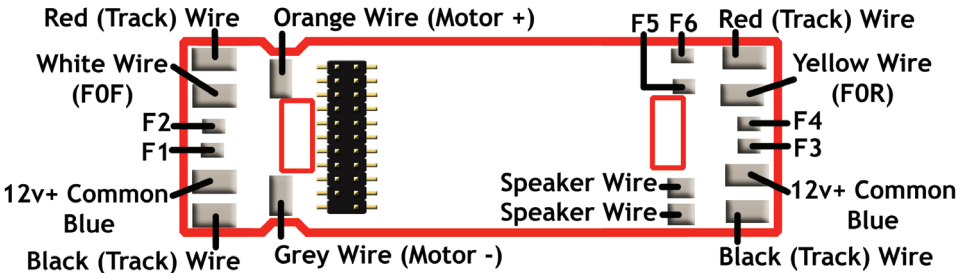
1622 AK-MB1

Scale	Pairs well with
HO	WOW121-Diesel and EU621

Dimensions 2.13" x 0.66" x 0.33" or 54mm x 17mm x 8mm

This motherboard is designed to replace the original lighting board in Atlas and Kato diesel locomotives. Included on this motherboard is a KA2 Keep-Alive™ for smooth operation over troublesome tracks. Pair with a WOW121 for unparreled sound and interruption free performance.

NOTE: This product does not function without a 21-pin decoder.

WIRING DIAGRAM

Red (Track) Wire — Orange Wire (Motor +) — F5 F6 — Red (Track) Wire
White Wire (F0F) — Yellow Wire (F0R)
F2 — F4
F1 — F3
12v+ Common Blue — Speaker Wire / Speaker Wire — 12v+ Common Blue
Black (Track) Wire — Grey Wire (Motor -) — Black (Track) Wire

For LED's: All output functions have built-in resistors for LED's. Simply solder the negative lead from your LED to one of the function output pads (F0F-F6) and then solder the positive lead to the 12v+ Common.

For full installation instruction visit the
http://www.tcsdcc.com/HO_Installs

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WARRANTY PROCEDURE: All decoders are covered by a one year, goof proof, warranty. **Please return in a small box.**

1. You MUST register the failed decoder on our website at www.tcsdcc.com. If you do not have access to a computer you MUST call to register your warranty at: **(267) 733-3408**
2. Print out a copy of the Warranty Registration and include it in the box with the decoder(s).
3. Return decoder(s) directly to us using the address below.

Compatible with NMRA DCC standards.   Made by **TCS** in the USA.

Train Control Systems
P.O. Box 341
845 Blooming Glen Rd.
Blooming Glen, PA 18911

Phone **215-453-9145**
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