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## FID 453: Toyota Denso NEC D76F0XXX Reader BENCH [SM2 ONLY]

### Overview

Family for reading Toyota Denso ECUs on the bench

**Module:** Toyota Denso NEC D76F0XXX Reader BENCH [SM2 ONLY]

**MCU:** D76F00XXX

**Flash size:**

- 1.25 MB
- 1.5 MB
- 2 MB

### Supported features

Allows read Toyota Denso ECUs with processors NEC D76F0XXX on the bench. Reading required direct connection to the ECU connector.

### Attention!

- Module **works only** with **Scanmatik SM2** or **SM2 Pro**
- In case of an identification error, check your connection
- Read ECU again to restore it, if you lost connection while reading
- It is necessary to connect a **controlled boot pin** from the adapter and check pin 9 (BITS001 only) or pin 12 in settings
- Connecting boot pin to the ground **will not work**



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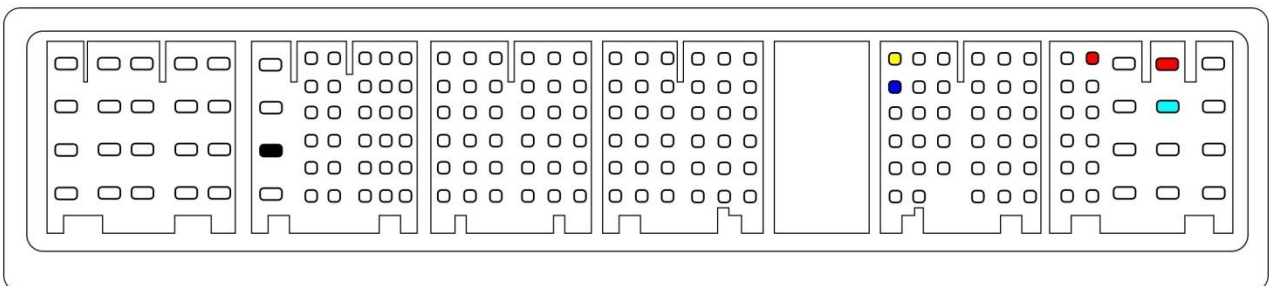


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## Connection Manual

### Type 1



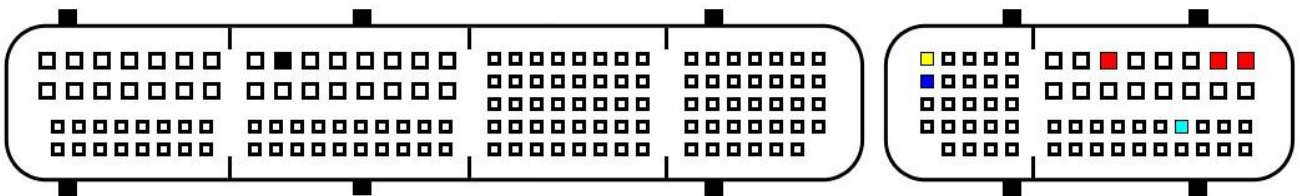
■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin



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## Type 2



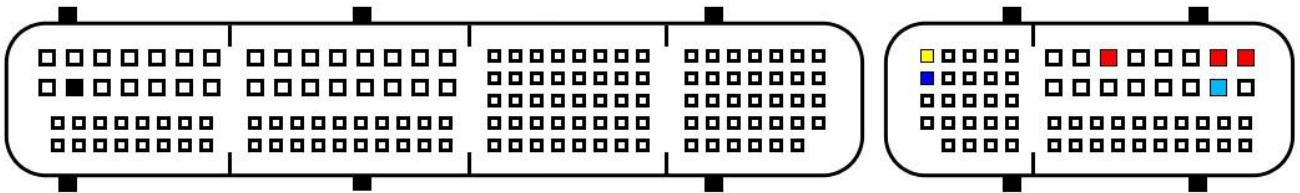
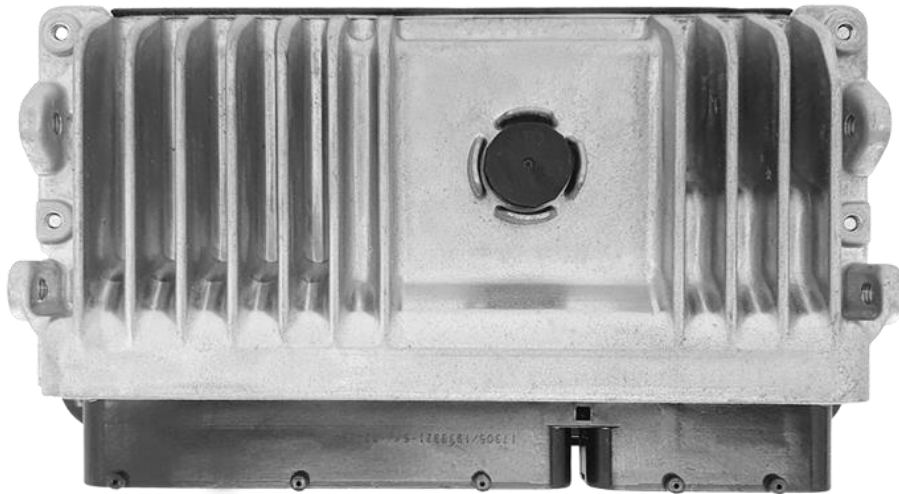
■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin



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### Type 3



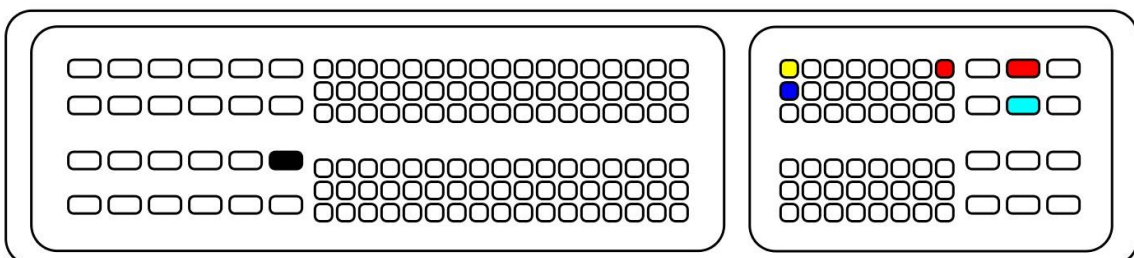
■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin



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### Type 4



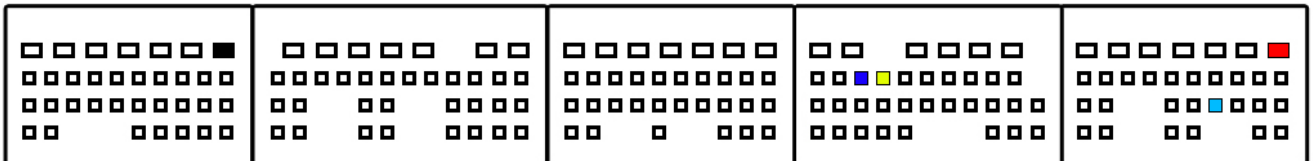
■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin



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### Type 5



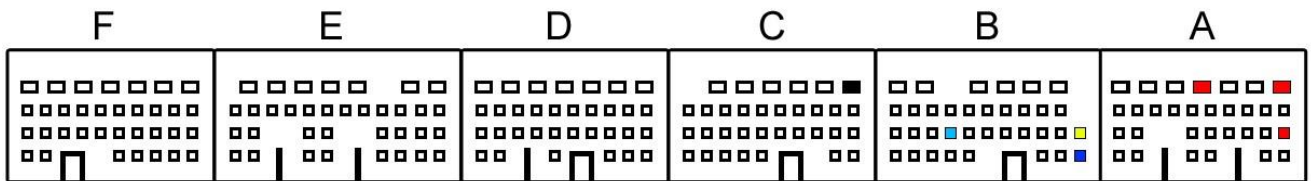
■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin



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### Type 6



■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin

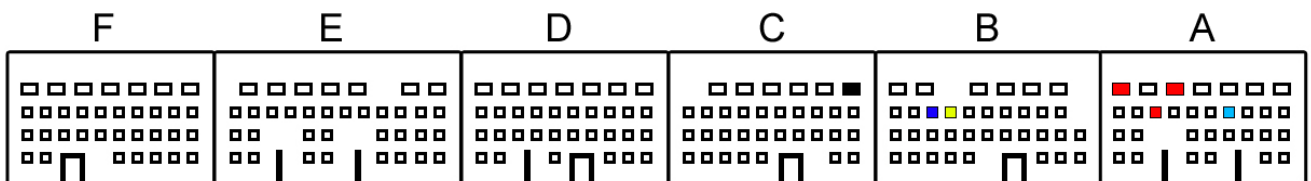
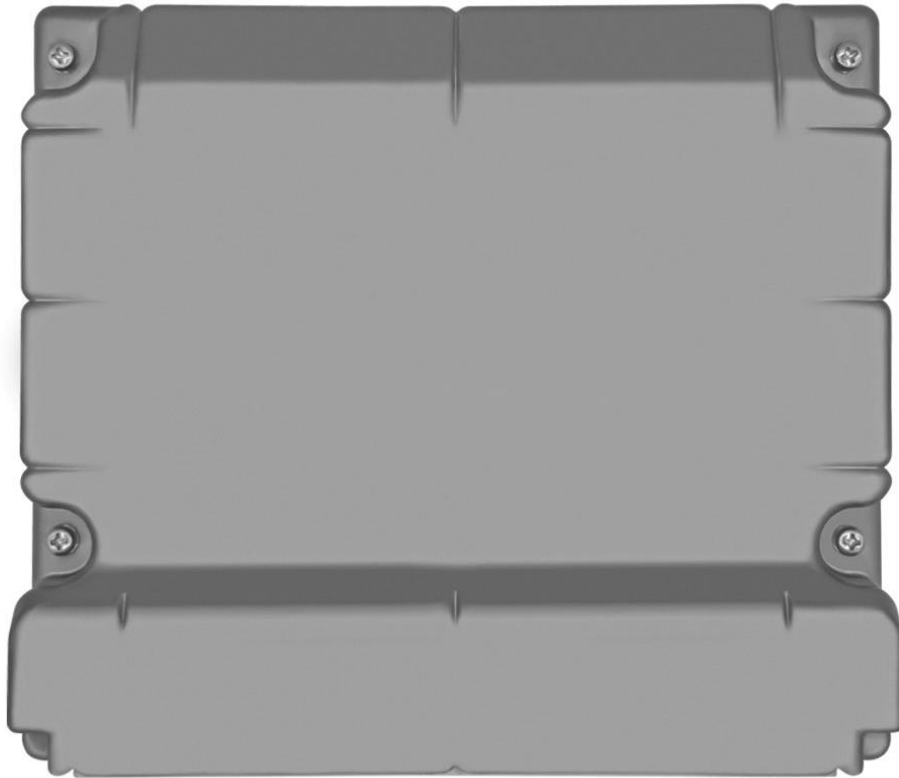




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Type 7



■ Ground ■ Power ■ Can-H ■ Can-L ■ Boot-pin



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## Adapters for working with module

### “Toyota Denso NEC D76F0XXX Reader BENCH [SM2 ONLY]”

This module works only through an adapter with automatic power control with boot signal output. Adapters that we have tested and work stably are listed below on the links. This list will be updated as testing progresses.

#### Adapters that are tested and working:

1. <https://ecutools.eu/chip-tuning/bsl-box-v95/>

BSL Box V9.5 (Manufacturer -*Ryshkov*)



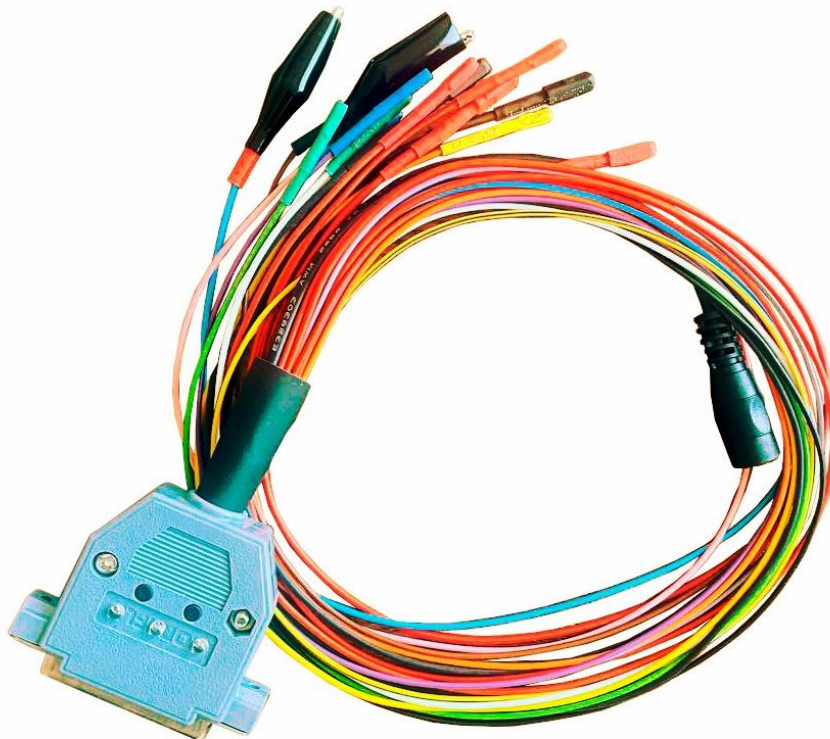


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2. <https://ecutools.eu/chip-tuning/adapter-boot-bench-v3-db25/>

### Adapter Boot/Bench V3 (DB25)



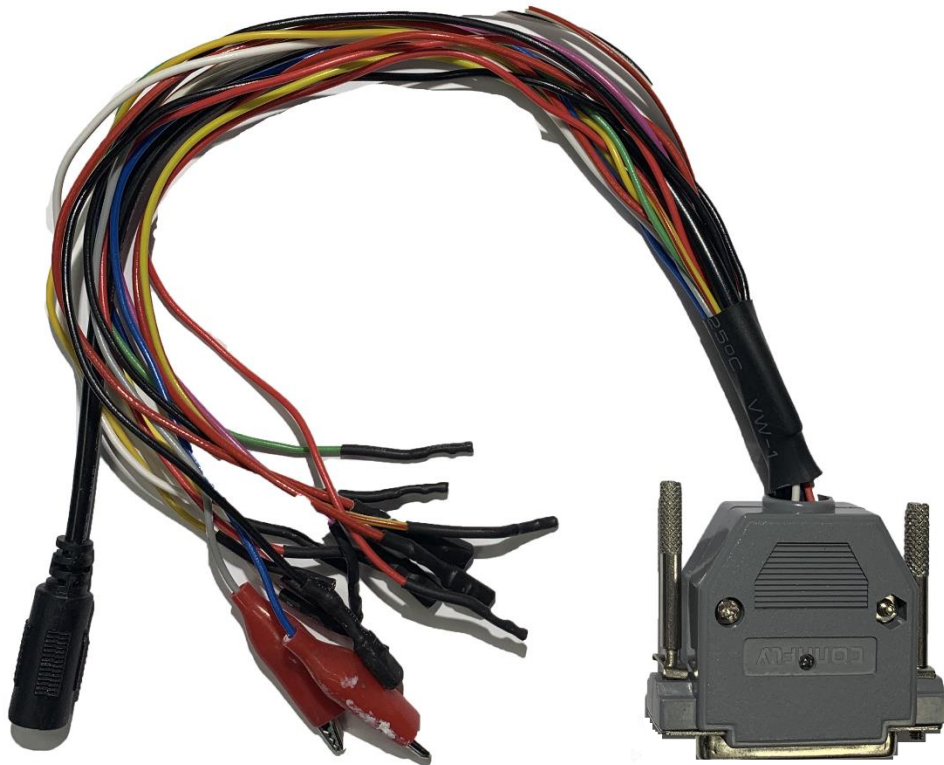


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<https://ecutools.ru/chip-tuning/scanmatik-2-pcmflash-cable/>

Adapter for Scanmatik 2/2PRO (Manufacturer - Evgeny Zlobin)





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4. <http://autoelectric.ru/> (Contact [webmaster@autoelectric.ru](mailto:webmaster@autoelectric.ru))

Universal adapter for the SM2/SM2 PRO with manual and automatic control of power supply and BOOT control





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5. <https://ecutools.ru/chip-tuning/bitbox/universalnyj-adapter-bits001/>

BITS001





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6. <https://елм327.рф/oborudovanie-dlya-chiptyuninga/kabel-dlja-71-modulja-pcmflash>

Adapter for Scanmatik 2/2PRO (Manufacturer – *ЕЛМ327*)

