

# DSEM040

## DEVELOPMENT KIT FOR THE M64X PROGRAMMABLE CONTROLLER RANGE



### KEY FEATURES / SUMMARY

- Development break out PCB for application development.
- Set of connecting harnesses for plug and play system.
- Multiple power configurations.
- Access to all inputs and outputs via sprung terminal blocks.
- CAN interfaces via Sub D9 connectors and sprung terminal blocks.
- Individual power and ground connection via 4mm jack connectors.
- Ethernet programming cable and USB data cable included.
- Suitable for both M640 and M643 controllers.

\*The M640 is not included in this kit. It must be purchased separately. Laptop is shown for visualisation purposes only. No laptop is supplied in the kit.

### OVERVIEW

#### DC SUPPLY

8 V DC to 32 V DC

#### TOTAL INPUTS/OUTPUTS

68 (32 inputs / 36 outputs)

#### INPUTS

32 sprung terminal blocks, split into 2 blocks

#### OUTPUTS

36 sprung terminal blocks, split into 2 blocks

#### INTERFACES

CAN 1.4

Sub D9 connectors and sprung terminal blocks

Built in 120 ohm termination resistors via jumper connected

#### ETHERNET

10 Mbit/s / 100 Mbit/s, Duplex

#### USB

USB Host 2.0 (12 Mbit/s)

#### DIMENSIONS

Breakout PCB

46 mm x 320 mm x 210 mm (H x W x D)

1.81 " x 12.6 " x 8.27 " (H x W x D)

Case

160 mm x 437 mm x 379 mm (H x W x D)

6.3" x 17.2" x 14.92" (H x W x D)

#### WEIGHT

4.25 kg

#### STORAGE TEMPERATURE RANGE

-40 °C to +85 °C

-40 °F to +185 °F

#### OPERATING TEMPERATURE RANGE

-40 °C to +85 °C

-40 °F to +185 °F

### RELATED MATERIALS

#### TITLE

M040 Operator Manual

M640 Operator Manual

M640 Data Sheet

#### PART NO.

057-261

057-244

055-198

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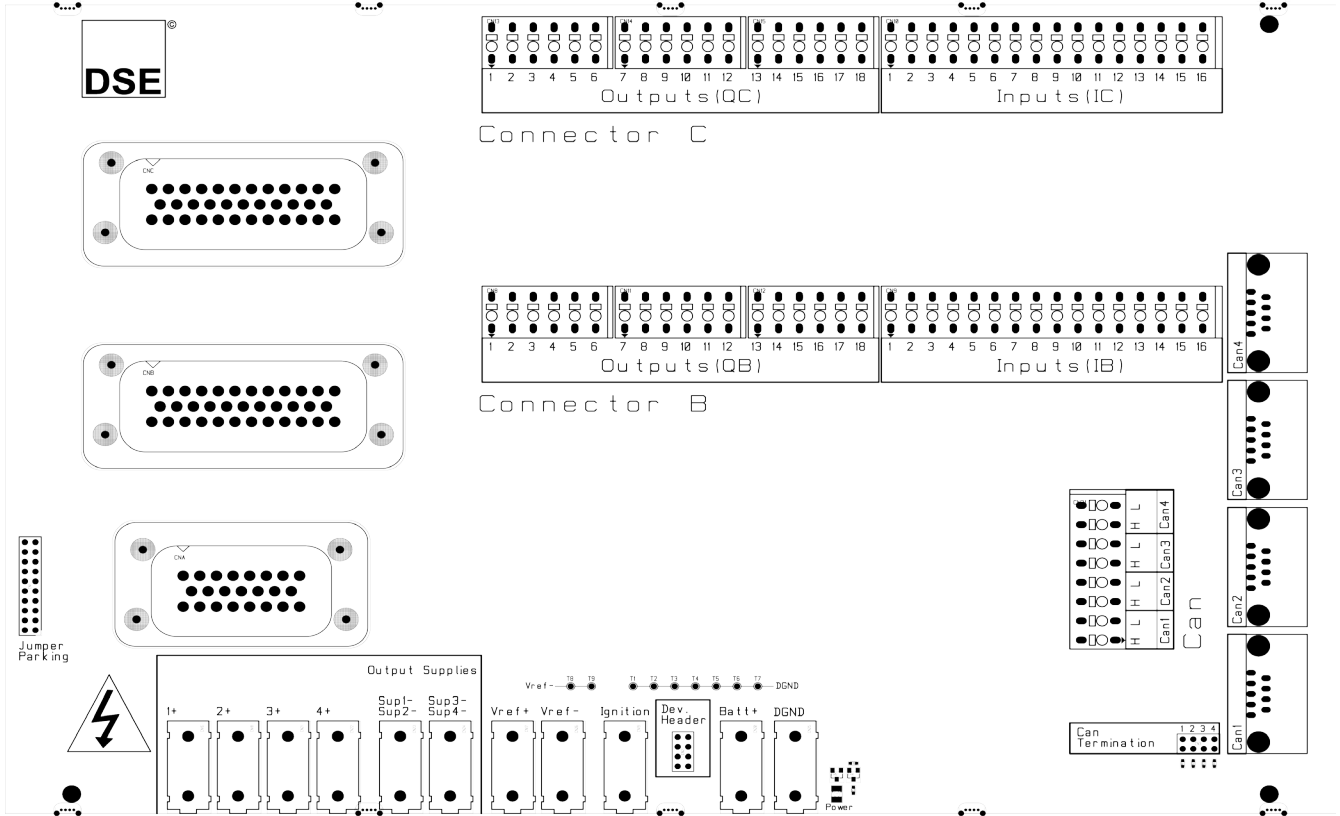
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## DEVELOPMENT KIT FOR THE M64# PROGRAMMABLE CONTROLLER RANGE



**Abbreviations**  
 OUT PWM, H, L  
 OUT H  
 OUT H, L  
 AIN  
 DIN, H, L, FREQ

Output can be configured as a PWM, PWMi, digital high-side or digital low-side.

Output is digital high.

Output can be configured as a digital high-side or digital low side.

Input can be configured to accept signals from positive digital, negative digital, 0 V to 5 V, 0 V to 10 V, 0 V to 32 V, 4 mA to 20 mA, ratiometric or resistive.

Input can be configured to accept signals from positive digital, negative digital or frequency.

