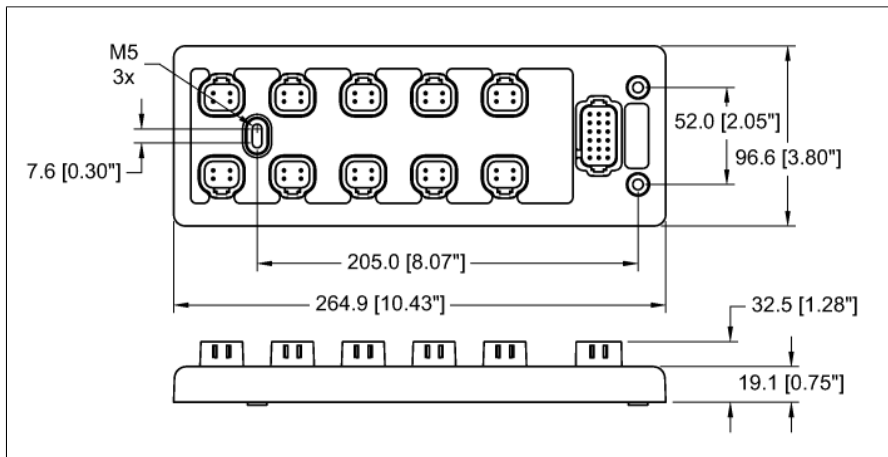


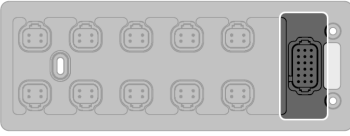
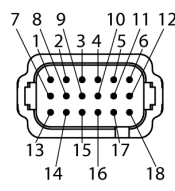
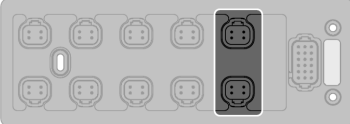
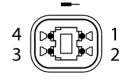
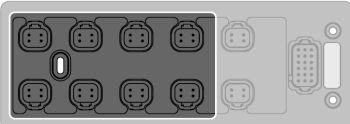
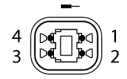
# 8 Digital PNP Inputs, 8 Digital PNP Inputs or Analog INputs (Configurable)

## TBCJ-D1-8DI-8DIAI



- 2 non-isolated J1939 ports (250 kb and 500 kb)
- Node ID: 0-15
- Configurable outputs: Ports 1–8 — digital high side
- PWM frequency: 100–1200 Hz
- Output diagnostics: Short-circuit and over-current

ID	6884501
Supply voltage	8...32 VDC
Admissible range	8...32 VDC
Fieldbus connection technology	2 x DT06-4S
Number of channels	16
Input type	PNP
Low-level signal voltage	<0.3 V
High level signal voltage	>0.8 V
Operating modes	Voltage, Current
Resolution	12 Bit
Load resistance	3300 K $\Omega$
Measuring range	0 to 10 V, 0 to 5 V, 0 to 32 V
Measurement error total (FSR)	$\leq 1\%$
Load resistance	3300 $\Omega$
Measuring range	4...20 mA
Measurement error total (FSR)	$\leq 1\%$
Vibration test	Vibration acc. to JDQ 53.3 6.1.1 and 6.1.2, level 4
Shock test	acc. to EN 60068-2-27
Dimensions (W x L x H)	96.6 x 264.8 x 32.5 mm
Ambient temperature	-40...+85 °C
Storage temperature	-40...+85 °C
Protection class	IP67
Housing color	Black
Mounting	Screw connection

	<p><b>Operating Voltage and CAN bus: 18 pole DT16-18SA Socket</b></p> <ol style="list-style-type: none"> <li>1. Baud 1-A</li> <li>2. Config 1-A</li> <li>3. Config 2-A</li> <li>4. Config 3-A</li> <li>5. Config 4-A</li> <li>6. N/C</li> <li>7. Baud1-B</li> <li>8. Config 1-B</li> <li>9. Config 2-B</li> <li>10. Config 3-B</li> <li>11. Config 4-B</li> <li>12. N/C</li> <li>13. N/C</li> <li>14. N/C</li> <li>15. N/C</li> <li>16. N/C</li> <li>17. N/C</li> <li>18. N/C</li> </ol>	<p>Pinout</p>  <ol style="list-style-type: none"> <li>1 = BAUD 1-A</li> <li>2 = CONFIG 1-A</li> <li>3 = CONFIG 2-A</li> <li>4 = CONFIG 3-A</li> <li>5 = CONFIG 4-A</li> <li>6 = N/C</li> <li>7 = BAUD 1-B</li> <li>8 = CONFIG 1-B</li> <li>9 = CONFIG 2-B</li> <li>10 = CONFIG 3-B</li> <li>11 = CONFIG 4-B</li> <li>12 = N/C</li> <li>13 = N/C</li> <li>14 = N/C</li> <li>15 = N/C</li> <li>16 = N/C</li> <li>17 = N/C</li> <li>18 = N/C</li> </ol>
	<p><b>CAN in/out: 2 x DT06-4S</b></p> <p><b>CAN Port 1 &amp; 2</b></p> <p>Pin 1 = 8-32VDC          Pin 2 = CAN High          Pin 3 = Ground A          Pin 4 = CAN Low</p>	<p>Pinout</p>  <ol style="list-style-type: none"> <li>1 = 8-32 VDC</li> <li>2 = CAN HIGH</li> <li>3 = GROUND A</li> <li>4 = CAN LOW</li> </ol>
	<p><b>Inputs/Output: 8 x DT06-4S</b></p> <p><b>Input ports 1 to 8</b></p> <p>Pin 1= 8 -32VDC          Pin 2= Input B          Pin 3= Ground A          Pin 4= Input A</p>	<p>Pinout</p>  <ol style="list-style-type: none"> <li>1 = 8-32 VDC</li> <li>2 = INPUT B</li> <li>3 = GROUND A</li> <li>4 = INPUT A</li> </ol>

**Module Status LED**

<b>Operating status (LEDs)</b>	<b>Color</b>	<b>Status</b>
PWR	Blue	Module and ports are supplied with power.
COM & STAT	Green	Module and communication status
FLT	Red	Error status
OUT	Yellow	Left LED — Input A Right LED — Input B