



**Connect Tech Inc.**  
Embedded Computing Experts

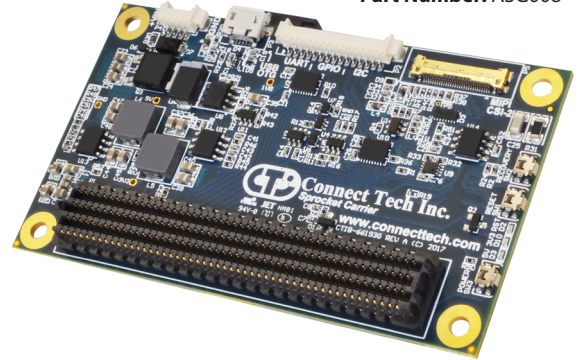
## Sprocket Carrier for NVIDIA® Jetson™ TX2/TX2i/TX1

Connect Tech's Sprocket Carrier for NVIDIA® Jetson™ TX2, TX2i, and TX1 is designed to match the NVIDIA Jetson module form factor. The Sprocket's design includes 1x USB OTG, 1 x4 lane MIPI CSI-2, 2x 3.3V UART, 2x I2C, and 4x GPIO.

This design provides our smallest and lowest profile solution yet. The Sprocket and Jetson TX2, TX2i, or Jetson TX1 stack can be mounted flat in the smallest of spaces, perfect for space constrained payloads such as that of a drone.

Jump right in to your next project with your Jetson TX2, TX2i, or TX1 module and Sprocket.

**Product Name:** Sprocket Carrier for NVIDIA® Jetson™ TX2/TX2i/TX1  
**Part Number:** ASG008



ASG008 shown paired with Jetson TX1



### Specifications

Compatibility	NVIDIA Jetson TX2, NVIDIA Jetson TX2i, NVIDIA Jetson TX1
GPU	Jetson TX2/TX2i: NVIDIA Pascal™, 256 CUDA cores (Up to 1.3 GHz) Jetson TX1: NVIDIA Maxwell™, 256 CUDA cores (998 MHz)
CPU	Jetson TX2/TX2i: HMP Dual Denver 2/2MB L2 + Quad ARM® A57/2MB L2 (Up to 2 GHz) Jetson TX1: 64-bit ARM® A57 CPUs
Dimensions	87mm x 50mm (3.425" x 1.968") Single-sided assembly, all components fit "under" the module - for slimmest design possible in Z-axis
Video Input	1 x MIPI CSI-2 Input x4 or x2 lane configuration (30-pin connector)
USB	1 x USB OTG (Micro-AB)
UART	2 x 3.3V from TX2/TX2i/TX1 UART0 and UART1
I2C	2 x I2C Ports @ 3.3V IO Pico-blade SMT RA or other
GPIO	4 bits of 3.3V (level shifted GPIO)
LEDs	PWR/RESET LEDs
Input Power	+12V to +16V DC Input Range
Buttons	Power, Reset, Recovery
Operating Temperature <sup>1</sup>	-40°C to +85°C (-40°F to +185°F) <sup>1</sup>
Weight	28g (0.060 lbs/1.0oz)
Environmental Compliances	RoHS

[1] The Jetson TX2/TX1 Module is rated for -25°C to +80°C (measured at thermal heat plate)

### FEATURES

- ✓ *Slimmest design possible in Z-axis*  
*All components fit "under" TX2/TX2i/TX1 module*
- ✓ *Extremely Small Size: 87mm x 50mm (3.425" x 1.968")*
- ✓ *1x USB OTG, 1 x4 lane MIPI CSI-2, 2x 3.3V UART, I2C, 4x GPIO*
- ✓ *+12V to +16V DC Input Range*
- ✓ *Extended Temperature Range -40°C to +85°C (Sprocket Carrier)*

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**RoHS**

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