# 56 Gbaud Octal-Channel, Single-Ended Input, Linear Transimpedance/Variable-Gain Amplifier with 500 µm Input Channel Pitch

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>IN5660TA</td>
<td>The IN5660TA is an octal-channel, single-ended input, linear transimpedance/variable-gain amplifier (TIA/VGA) for 800 GbE-DR8 and FR8 optical receivers.</td>
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</tbody>
</table>

## Product Type
Transimpedance Amplifiers

## Market Segments
Inside Data Centers

## Applications
- 800GbE-DR8 SMF Optical Receiver
- 800GbE-FR8 SMF Optical Receiver

## Features
- Supports baud rates up to 56 Gbaud
- Octal-channel monolithic TIA/VGA
- Wide differential electrical gain
- High electrical bandwidth
- Adjustable AGC output amplitude
- Low noise
- Low power consumption
- 500 µm input channel pitch
- Available in die form