## Charge and IEPE Conditioner Card Selection Guide

| Card | 28304 | 28324 | 28314 | 28316C | 28302B-FX02 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Single-ended <br> (SE) Charge, IEPE <br> (GND or ISO) w/ <br> Long Distance <br> TEDS | Single-ended <br> (SE) Charge, IEPE <br> (GND or ISO) w/ <br> Long Distance <br> TEDS | Single-ended <br> Dynamic or <br> Quasi-static <br> Charge (GND <br> or ISO) w/ Long <br> Distance TEDS | IEPE (GND or ISO) <br> w/ Long Distance <br> TEDS | Single-ended <br> or Differential <br> Charge, IEPE <br> or Velocity Coil <br> Input |
| Channels/Card | 4 | 4 | 4 |  | 16 |


| Card | 28304 | 28324 | 28314 | 28316C | 28302B-FX02 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Filter | 4-Pole Flat/ <br> Pulse Low-Pass <br> w/ optional REZCOMP; 8-Pole <br> Flat/Pulse Low- <br> Pass or 8-Pole <br> Band-Pass | 4-Pole Flat/Pulse Low-Pass | 4-Pole Flat/Pulse Low-Pass or 8-pole Flat/Pulse Low-Pass | 4-Pole Flat/Pulse, Time Delay, or Butterworth Low-Pass | 6-Pole <br> Butterworth High-Pass, 6-Pole Elliptic Low-Pass |
| Cutoff Frequencies | Flat: 2 Hz to 204.6 kHz <br> Pulse: 1 Hz to 102.3 kHz | $\begin{gathered} \text { FX02: } 300 \mathrm{~Hz}, 1 \\ \text { kHz, } 3 \mathrm{kHz}, 10 \\ \text { kHz, } 30 \mathrm{kHz} \\ \text { FX03: } 10 \mathrm{kHz}, 20 \\ \text { kHz, } 40 \mathrm{kHz}, 80 \\ \text { kHz, } 100 \mathrm{kHz} \end{gathered}$ | Flat: 2 Hz to 204.6 kHz <br> Pulse: 1 Hz to 102.3 kHz | FX01: $100 \mathrm{~Hz}, 300$ $\mathrm{Hz}, 1 \mathrm{kHz}, 3 \mathrm{kHz}$, 10 kHz, Bypass <br> FX02: 300 Hz , 1 kHz, 3 kHz, 10 kHz, 30 kHz, Bypass | $\begin{gathered} \mathrm{HP}: 0.3 \mathrm{~Hz}, 3 \mathrm{~Hz} \\ 10 \mathrm{~Hz}, 30 \mathrm{~Hz}, 100 \\ \mathrm{~Hz} \\ \mathrm{LP}: 50 \mathrm{~Hz} \text { to } 12.75 \\ \text { kHz in } 50 \mathrm{~Hz} \\ \text { steps } \end{gathered}$ |
| Outputs | Buffered singleended (SE) outputs (2 per channel) | Buffered singleended (SE) outputs (2 per channel) | Buffered singleended (SE) outputs (2 per channel) | Buffered singleended (SE) outputs (2 per channel) | 2 acceleration, <br> 2 velocity, 1 displacement, 1 DC, 1 alarm |

