USB3.0 ReDriver Application Information\_selection guide

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1.0 Introduction

USB3.0 ReDriver family include PI2EQX50xx and PI3EQX7xxx

2.0 Selection guide

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part number | Protocol | application | Control | Voltage | Channel | size mm | swing control | EQ step | enable | VTH | note |
| PI1EQX512A | USB3.0 5Gbps | tablet  | pin strap | 1V | 2ch,1port | 2 x 2 | No | 3 step | Yes | No | small size |
| PI1EQX502A | USB3.0 5Gbps | tablet | pin strap | 1V | 2ch,1port | 3 x 3 | No | 3 step | No | No |  |
| PI3EQX512AI | USB3.0 5Gbps | tablet | pin strap | 3.3V | 2ch,1port | 2 x 2 | No | 3 step | Yes | No | small size |
| PI2EQX510E | USB3.0 5Gbps | mobile/tablet device TX | pin strap | 1.8V | 1ch | 1.6 x 1.6 | Yes | 4 step | Yes | No | small size |
| PI2EQX501E | USB3.0 5Gbps | mobile/tablet device TX | pin strap | 1.8V | 1ch | 2 x 2 | Yes | 4 step | No | No | small size |
| PI3EQX501i | USB3.0 5Gbps | mobile/tablet device TX | pin strap | 3.3V | 1ch | 2 x 2 | No | 3 step | No | No | small size |
| PI2EQX502x | USB3.0 5Gbps | mobile/tablet both device & host | pin strap | 1.05~1.8V | 2ch,1port | 3 x 3 | Yes | 3 step | No | No | small size |
| PI3EQX502i | USB3.0 5Gbps | mobile/tablet both device & host | pin strap | 3.3V | 2ch,1port | 3 x 3 | No | 3 step | No | No | small size |
| PI3EQX7841 | USB3.0 5Gbps | Server | pin strap & I2C | 3.3V | 2ch,1port | 4 x 4 | Yes | 16 step  | Yes | Yes | full function by I2C |
| PI3EQX7741AI | USB3.0 5Gbps | PC/embedded | pin strap | 3.3V | 2ch,1port | 4 x 4 | No | 3 step | Yes | Yes | fit most app |
| PI3EQX7742AI | USB3.0 5Gbps | PC/embedded | pin strap | 3.3V | 4ch,2port | 3.5 x 9 | No | 3 step | Yes | Yes | fit most app |