# IT6563

## Single Chip 4 Lane DisplayPort1.2 to HDMI2.0 Converter with Embedded MCU

Preliminary Datasheet

Specification V0.92

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**ITE TECH. INC.**

sound due to audio error or hot-unplug

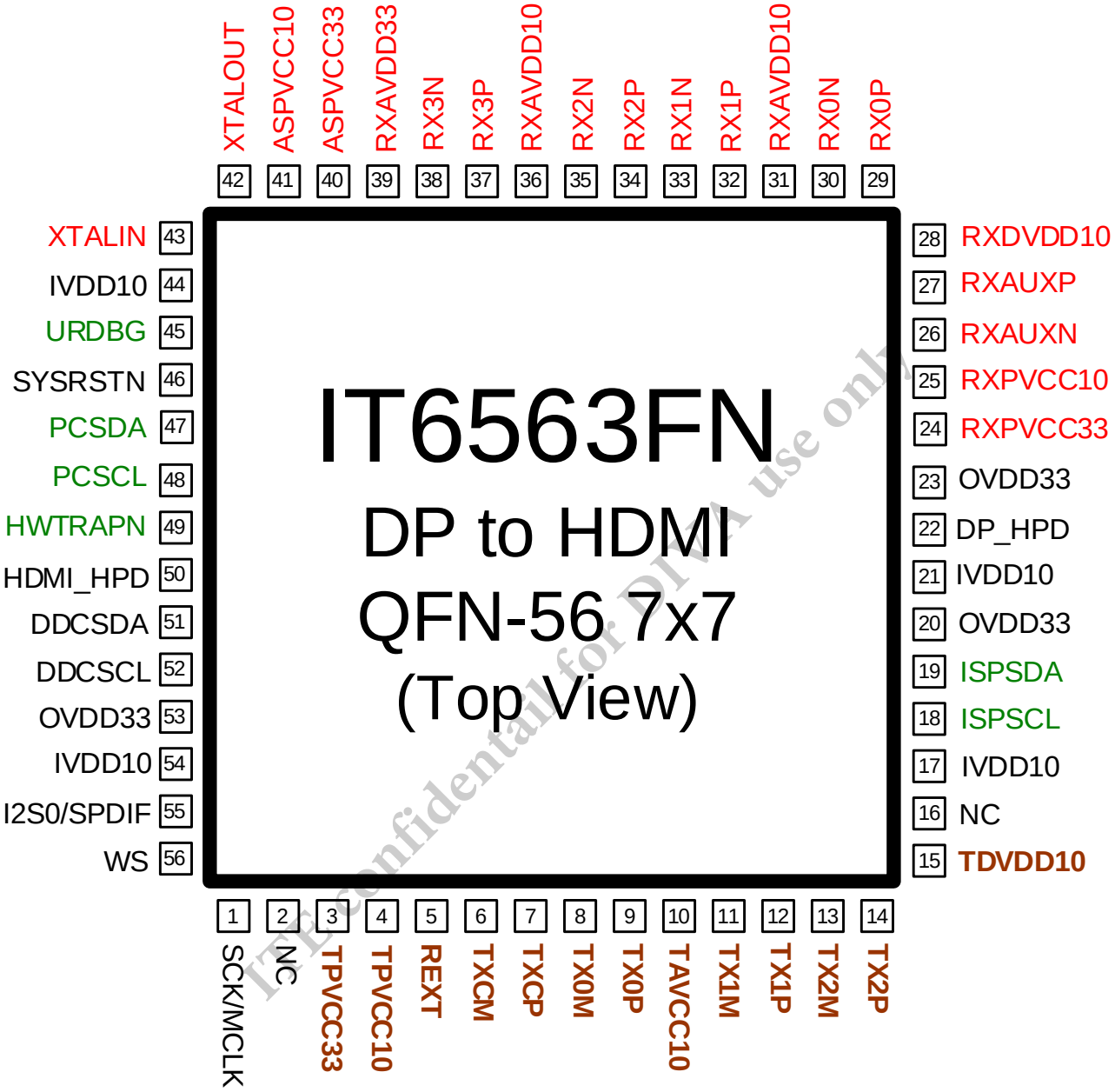
- 56-pin QFN (7mm x 7mm) package
- RoHS Compliant ( 100% Green available )

# 3. Ordering Information

| Model | Temperature Range | Package Type | Green/Pb free Option |
|---|---|---|---|
| IT6563 | -20~70 | 56-pin QFN | Green |

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## Pin Diagram

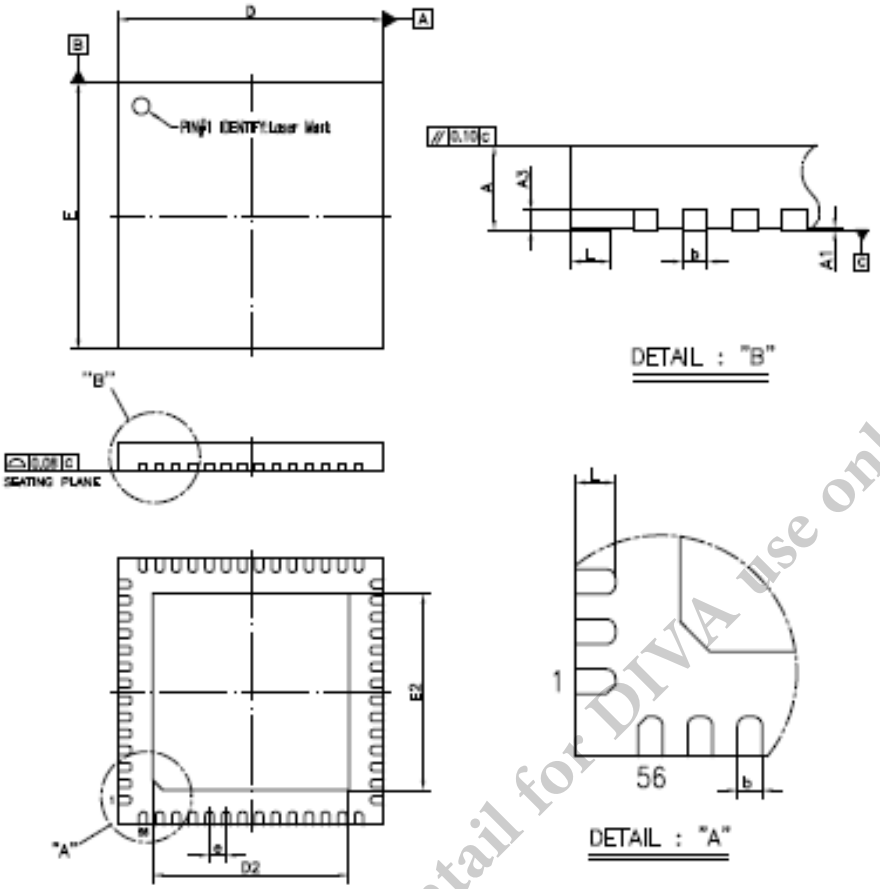



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Red: DP RX AFE pin
Brown: HDMI TX AFE pin
Green: MCU pin
Others: TTL pin

**Figure 1. IT6563 Pin Diagram**

# Package Dimensions




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| Symbol | Dimensions in inches | | | Dimensions in mm | | |
|---|---|---|---|---|---|---|
| | Min. | Nom. | Max. | Min. | Nom. | Max. |
| A | 0.031 | 0.033 | 0.035 | 0.80 | 0.85 | 0.90 |
| A1 | 0.000 | --- | 0.002 | 0.00 | --- | 0.05 |
| A3 | 0.008 REF | | | 0.20 REF | | |
| b | 0.006 | 0.008 | 0.010 | 0.15 | 0.20 | 0.25 |
| D / E | 0.276 BSC | | | 7.00 BSC | | |
| D2 / E2 | 0.201 | 0.205 | 0.209 | 5.10 | 5.20 | 5.30 |
| e | 0.016 BSC | | | 0.40 BSC | | |
| L | 0.014 | 0.016 | 0.018 | 0.35 | 0.40 | 0.45 |

**Notes:**

1. Controlling dimension：Millimeter
2. Reference document：JEDEC MO-220.
3. Take SMT into consideration, please use the minimum number of D2's and E2's dimensions.

**Figure 3. 56-pin QFN Package Dimensions**