



# UM10754

OM13491, OM13492, OM13493, OM13494, OM13495, OM13496,  
OM13497 Breakout Board

Rev. 2 — 4 October 2018

User manual

## Document information

| Information | Content                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------|
| Keywords    | Fm+, I2C-bus, Surface Mount Package, Breakout Board, DIP Adapter, surface mount package                    |
| Abstract    | Technical information for breakout boards allowing I2C-bus surface mount components to be easily evaluated |



## Revision history

| Rev | Date     | Description                                                                                                                                                                                                       |
|-----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| v.2 | 20181004 | Added <a href="#">Figure 7</a> and <a href="#">Figure 8</a> ; updated Panel G information; removed EOL parts PCA9701HF, PCA9703HF, PCU9955TW; added PCAL6416AEX1 and PCAL6416AER; updated <a href="#">Table 1</a> |
| v.1 | 20131023 | Initial version                                                                                                                                                                                                   |

## 1 Introduction

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The Breakout Boards OM13491, OM13492, OM13493, OM13494, OM13495, OM13496, and OM13497 allow surface mounted I<sup>2</sup>C-bus components to be easily evaluated by translating surface mount packages to a leaded package format with 100mil pin pitch.

## 2 Key features

### A wide variety of package types:

Almost all the surface mount package types used by NXP I<sup>2</sup>C-bus products are supported.

**Table 1. Package Name to SOT drawing number conversion**

| OM #  | Panel #                             | Package Name        | SOT Number                                       | Dimension (mm)<br>L x W x Seating H | Pitch (mm) |
|-------|-------------------------------------|---------------------|--------------------------------------------------|-------------------------------------|------------|
| 13491 | A-1                                 | SO8                 | SOT96-1                                          | 4.9 x 3.9 x 1.75                    | 1.27       |
| 13491 | A-2                                 | VSSOP8              | SOT765-1                                         | 2 x 2.3 x 1                         | 0.5        |
| 13491 | A-3                                 | XQFN8U              | SOT902-1<br>(Replaced by<br>SOT902-2)            | 1.6 x 1.6 x 0.5                     | 0.55       |
| 13491 | A-3                                 | XQFN8               | SOT902-2                                         | 1.6 x 1.6 x 0.5                     | 0.55       |
| 13491 | A-3                                 | XQFN8               | SOT902-3                                         | 1.6 x 1.6 x 0.5                     | 0.6        |
| 13491 | A-4,5                               | HWSON8              | SOT1069-2                                        | 2 x 3 x 0.75                        | 0.5        |
| 13491 | A-6,7                               | MSOP8 (TSSOP8)      | SOT505-1<br>(Replaced by<br>SOT505-2)            | 3 x 3 x 1.1                         | 0.65       |
| 13491 | A-6,7                               | MSOP8 (TSSOP8)      | SOT505-2                                         | 3 x 3 x 1.1                         | 0.65       |
| 13491 | A-6,7                               | TSSOP8              | SOT505-1<br>(Replaced by<br>SOT505-2)            | 3 x 3 x 1.1                         | 0.65       |
| 13491 | A-6,7                               | TSSOP8              | SOT505-2                                         | 3 x 3 x 1.1                         | 0.65       |
| 13492 | B-1                                 | MSOP10<br>(TSSOP10) | SOT552-1                                         | 3 x 3 x 1.1                         | 0.5        |
| 13492 | B-2                                 | HVSON10             | SOT650-1                                         | 3 x 3 x 0.85                        | 0.5        |
| 13492 | B-3                                 | XSON8(U)            | SOT996-2                                         | 3 x 2 x 0.5                         | 0.5        |
| 13492 | B-4                                 | TSSOP8              | SOT530-1                                         | 3 x 4.4 x 1.1                       | 0.65       |
| 13492 | B-5                                 | HVSON8              | SOT908-1                                         | 3 x 3 x 0.85                        | 0.5        |
| 13492 | B-5                                 | HVSON8              | SOT908-3                                         | 3 x 3 x 0.85                        | 0.5        |
| 13492 | B-6                                 | WLCSP6              | PCT2202                                          | 0.69 x 1.09 x 0.38                  | 0.4        |
| 13492 | B-7                                 | TSOP6               | SOT457                                           | 2.9 x 1.5 x 1                       | 0.95       |
| 13492 | B-7                                 | TSOP6               | SOT1353-1<br>(newer, add A2,<br>A3, L dimension) | 2.9 x 1.5 x 1                       | 0.95       |
| 13493 | C-1 (wrong silk<br>screen SOT616-1) | DHVQFN24            | SOT815-1                                         | 3.5 x 5.5 x 0.85                    | 0.5        |
| 13493 | C-2 (wrong silk<br>screen SOT662-1) | DHVQFN20            | SOT764-1                                         | 2.5 x 5.5 x 0.85                    | 0.5        |
| 13493 | C-3                                 | DHVQFN16            | SOT763-1                                         | 3.5 x 2.5 x 0.85                    | 0.5        |
| 13493 | C-4                                 | DHVQFN14            | SOT762-1                                         | 2.5 x 3 x 0.85                      | 0.5        |
| 13494 | D-1                                 | HVQFN24             | SOT616-1                                         | 4 x 4 x 0.85                        | 0.5        |

## OM13491, OM13492, OM13493, OM13494, OM13495, OM13496, OM13497 Breakout Board

| OM #  | Panel #                                 | Package Name       | SOT Number                                                  | Dimension (mm)<br>L x W x Seating H | Pitch (mm) |
|-------|-----------------------------------------|--------------------|-------------------------------------------------------------|-------------------------------------|------------|
| 13494 | D-1                                     | HWQFN24            | SOT994-1                                                    | 4 x 4 x 0.75                        | 0.5        |
| 13494 | D-2                                     | HVQFN20            | SOT662-1                                                    | 5 x 5 x 0.85                        | 0.65       |
| 13494 | D-3                                     | HVQFN16            | SOT758-1                                                    | 3 x 3 x 0.85                        | 0.5        |
| 13494 | D-4                                     | HVQFN16            | SOT629-1                                                    | 4 x 4 x 0.85                        | 0.65       |
| 13495 | E-1                                     | TSSOP24            | SOT355-1                                                    | 7.8 x 4.4 x 1.1                     | 0.65       |
| 13495 | E-2                                     | TSSOP20            | SOT360-1                                                    | 6.5 x 4.4 x 1.1                     | 0.65       |
| 13495 | E-2                                     | TSSOP20            | SOT360-2                                                    | 6.5 x 4.4 x 1.05                    | 0.65       |
| 13495 | E-3                                     | TSSOP16            | SOT403-1                                                    | 5 x 4.4 x 1.1                       | 0.65       |
| 13495 | E-4                                     | TSSOP14            | SOT402-1                                                    | 5 x 4.4 x 1.1                       | 0.65       |
| 13496 | F-1                                     | TSSOP28            | SOT361-1                                                    | 9.7 x 4.4 x 1.1                     | 0.65       |
| 13496 | F-1                                     | TSSOP28            | SOT361-2                                                    | 9.7 x 4.4 x 1.2                     | 0.65       |
| 13496 | F-2                                     | XQFN16             | SOT1161-1                                                   | 1.8 x 2.6 x 0.5                     | 0.4        |
| 13496 | F-3                                     | QSOP16<br>(SSOP16) | SOT519-1                                                    | 4.9 x 3.9 x 1.73                    | 0.635      |
| 13496 | F-4                                     | XFBGA16            | SOT1354-1                                                   | 1.6 x 1.6 x 0.5                     | 0.4        |
| 13497 | G-1                                     | HTSSOP28           | SOT1172-1<br>(Replace by<br>SOT1172-2)                      | 9.7 x 4.4 x 1.1                     | 0.65       |
| 13497 | G-1                                     | HTSSOP28           | SOT1172-2 (add<br>reflow slodering<br>footprint)            | 9.7 x 4.4 x 1.1                     | 0.65       |
| 13497 | G-1                                     | HTSSOP28           | SOT1172-3 (Dh<br>dimension is<br>smaller than<br>SOT1172-2) | 9.7 x 4.4 x 1.1                     | 0.65       |
| 13497 | G-2                                     | VFBGA24            | SOT1199-1                                                   | 3 x 3 x 0.85                        | 0.5        |
| 13497 | G-3 (wrong<br>silk screen<br>SOT1372-1) | XFBGA24            | SOT1342-1                                                   | 2 x 2 x 0.5                         | 0.4        |
| #N/A  |                                         | HVSON8             | SOT908-4                                                    | 2 x 2 x 0.85                        | 0.5        |
| #N/A  |                                         | HXSON12            | SOT973-2                                                    | 2.5 x 1.35 x 0.5                    | 0.4        |
| #N/A  |                                         | X2SON8             | SOT1372-1                                                   | 3 x 2 x 0.35                        | 0.5        |
| #N/A  |                                         | SSOP16             | SOT338-1                                                    | 6.2 x 5.3 x 2                       | 0.65       |
| #N/A  |                                         | SSOP20             | SOT266-1                                                    | 6.5 x 4.4 x 1.5                     | 0.65       |
| #N/A  |                                         | SSOP24             | SOT340-1                                                    | 8.2 x 5.3 x 2                       | 0.65       |
| #N/A  |                                         | SO8                | SOT176-1                                                    | 7.55 x 7.5 x 2.65                   | 1.27       |
| #N/A  |                                         | SO16               | SOT162-1                                                    | 10.2 x 7.5 x 2.65                   | 1.27       |
| #N/A  |                                         | SO20               | SOT163-1                                                    | 12.8 x 7.5 x 2.65                   | 1.27       |
| #N/A  |                                         | SO24               | SOT137-1                                                    | 15.3 x 7.5 x 2.65                   | 1.27       |
| #N/A  |                                         | X2QFN24            | SOT1895-1                                                   | 2 x 2 x 0.35                        | 0.4        |

| OM # | Panel # | Package Name | SOT Number                           | Dimension (mm)<br>L x W x Seating H | Pitch (mm) |
|------|---------|--------------|--------------------------------------|-------------------------------------|------------|
| #N/A |         | HVQFN20      | SOT917-1<br>(Replace by<br>SOT917-4) | 4 x 4 x 0.85                        | 0.5        |

**Translation to leaded pins:**

The breakout boards translate the surface mount package to a leaded package with 100 mil pitch, allowing quick and easy bread boarding in standard configurations.

### 3 Quick overview of the breakout board concept

There are seven different breakout boards, each supporting a number of different surface mount packages. If one wishes to evaluate a device, simply solder a surface mount device to the appropriate site and break out the site from the panel by cutting through the small tabs holding each board in place. If one is using a universal breadboard for evaluation, solder header pins to the outside pads, allowing one to insert the device into the breadboard.

For a more permanent connection, one can simply solder hookup wire to the outside pads.

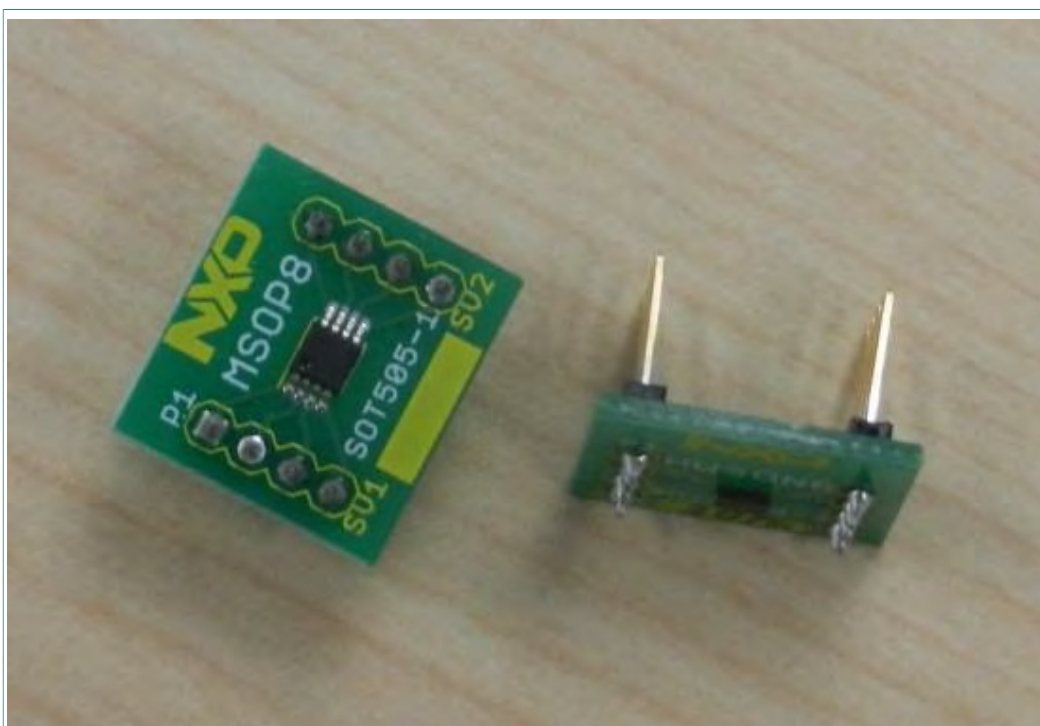


Figure 1. Breakout board with headers assembly



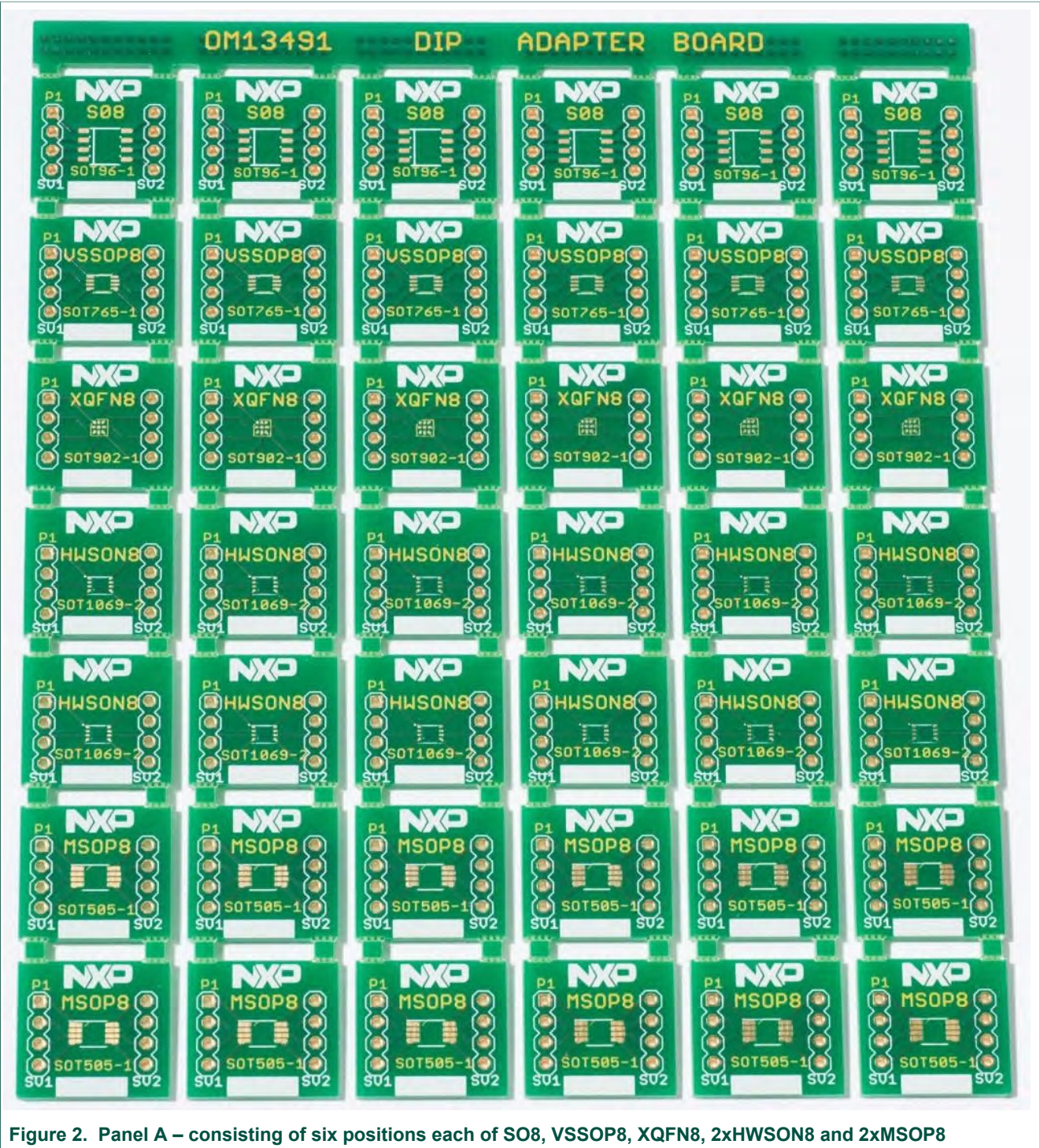


Figure 2. Panel A – consisting of six positions each of SO8, VSSOP8, XQFN8, 2xHWSO8 and 2xMSOP8



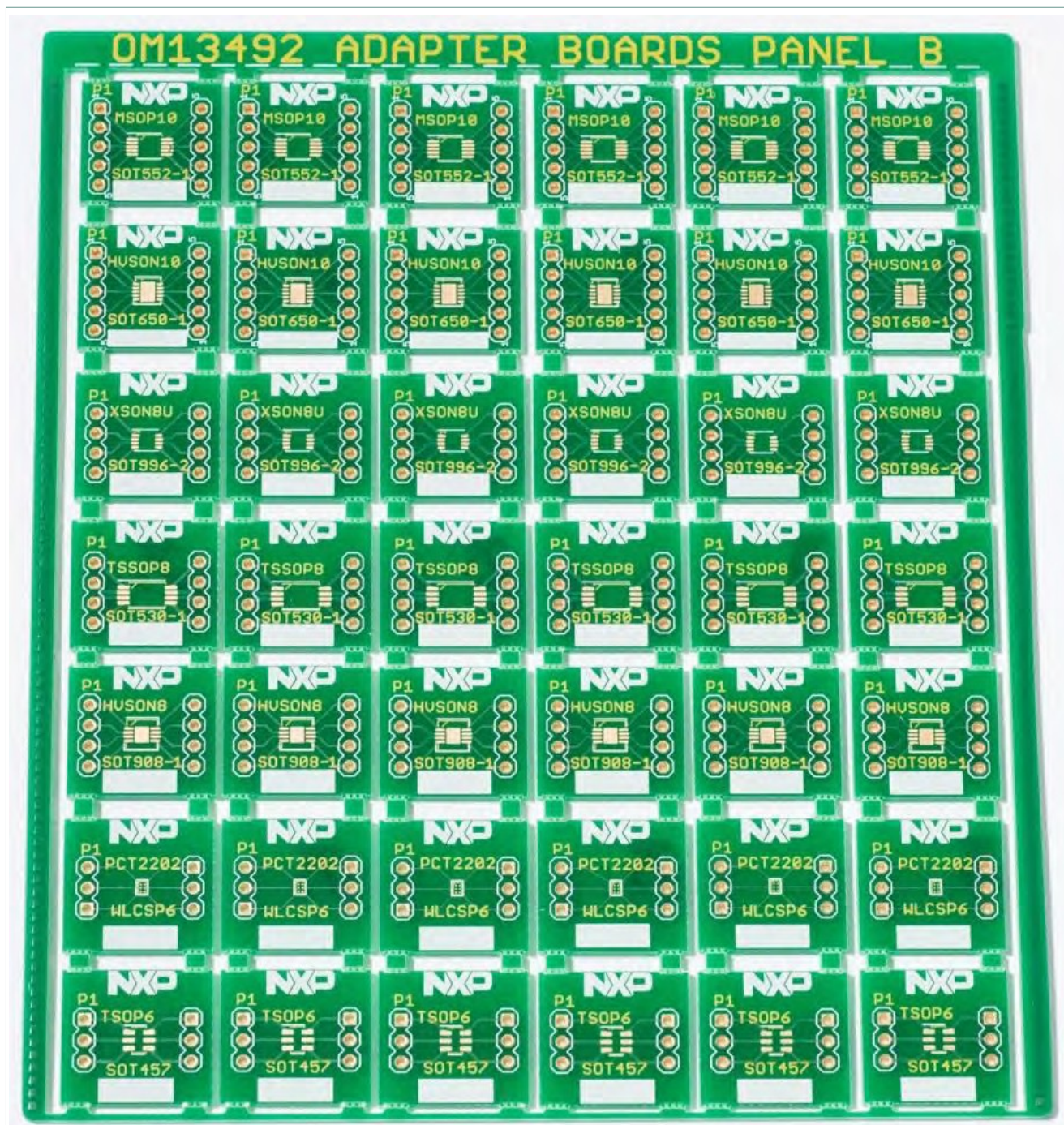


Figure 3. Panel B – consisting of six positions each of MSOP10, HUSON10, XSON8U, TSSOP8, HUSON8, PCT2202 / WLCSP6 and TSOP6



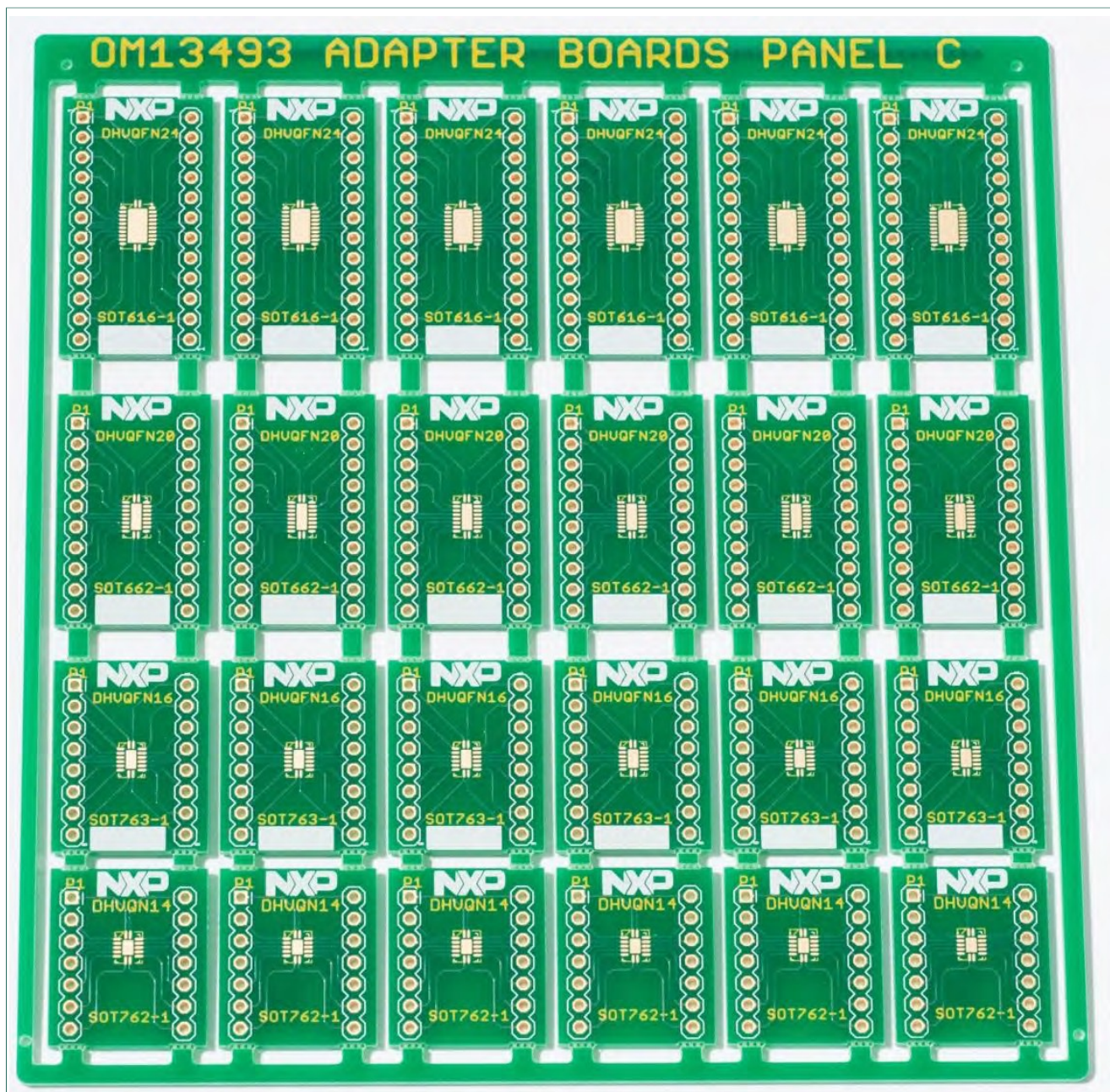


Figure 4. Panel C – consisting of six each of DHVQFN24, DHVQFN20, DHVQFN16, DHVQFN14



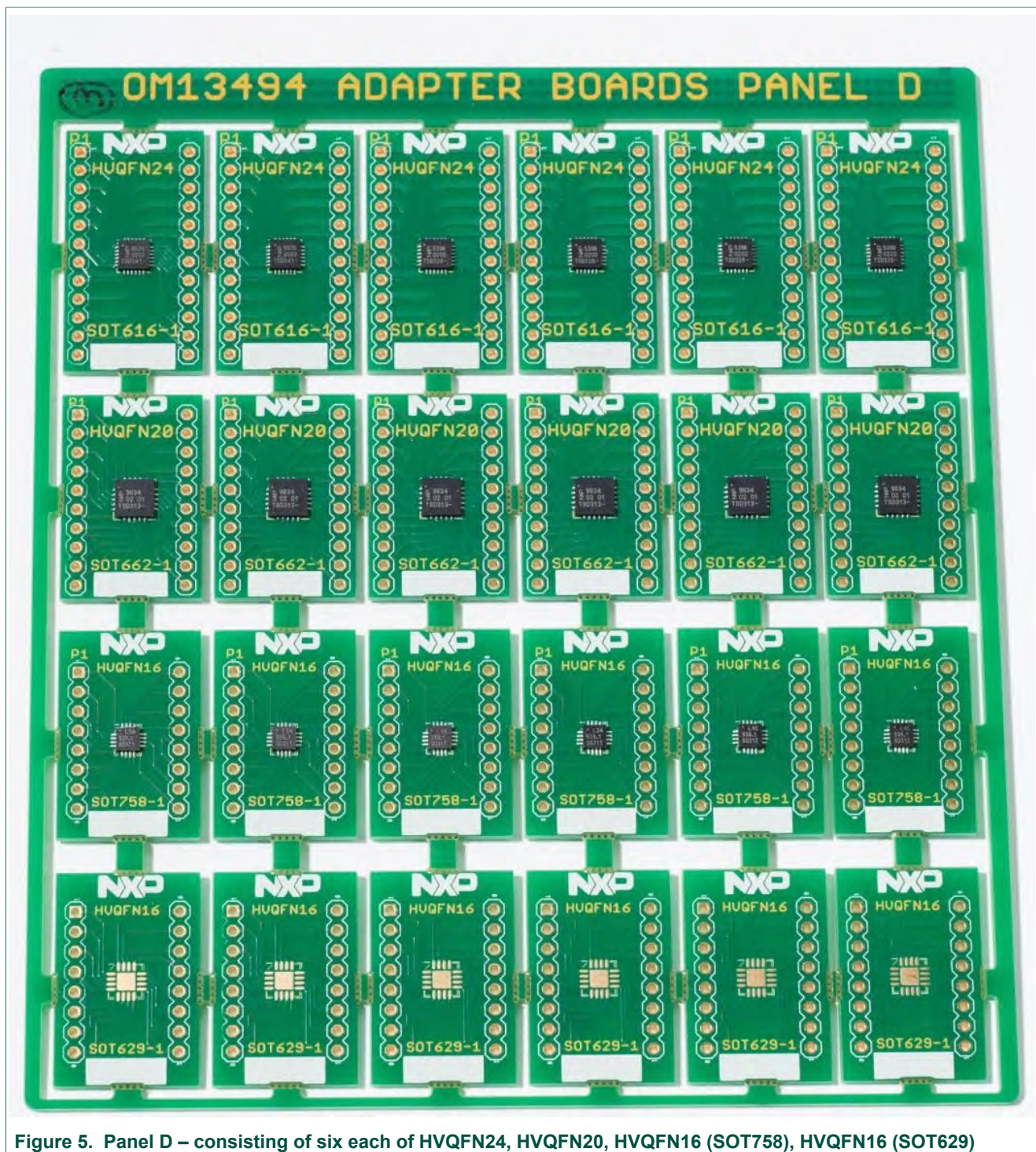


Figure 5. Panel D – consisting of six each of HVQFN24, HVQFN20, HVQFN16 (SOT758), HVQFN16 (SOT629)



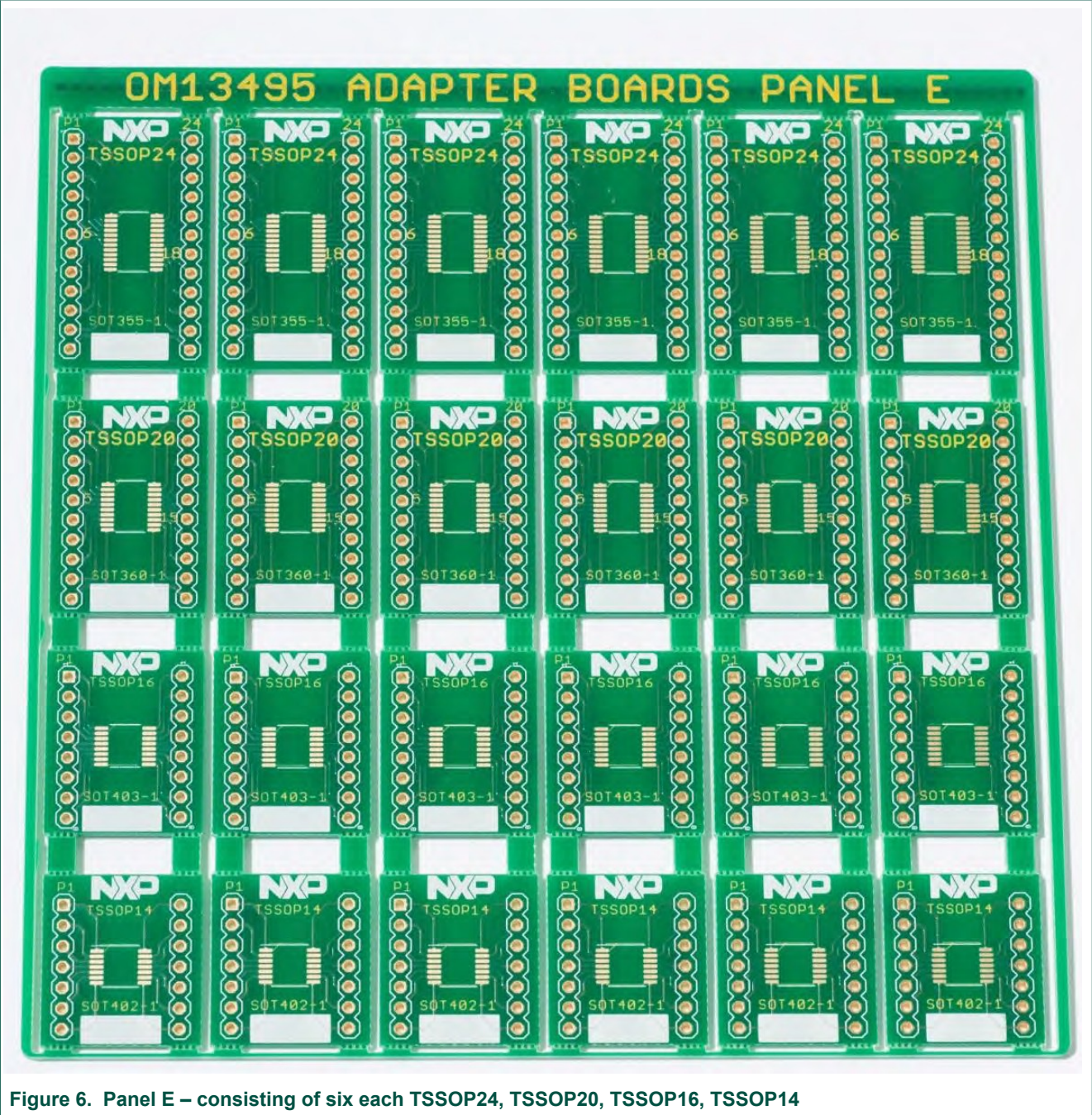


Figure 6. Panel E – consisting of six each TSSOP24, TSSOP20, TSSOP16, TSSOP14



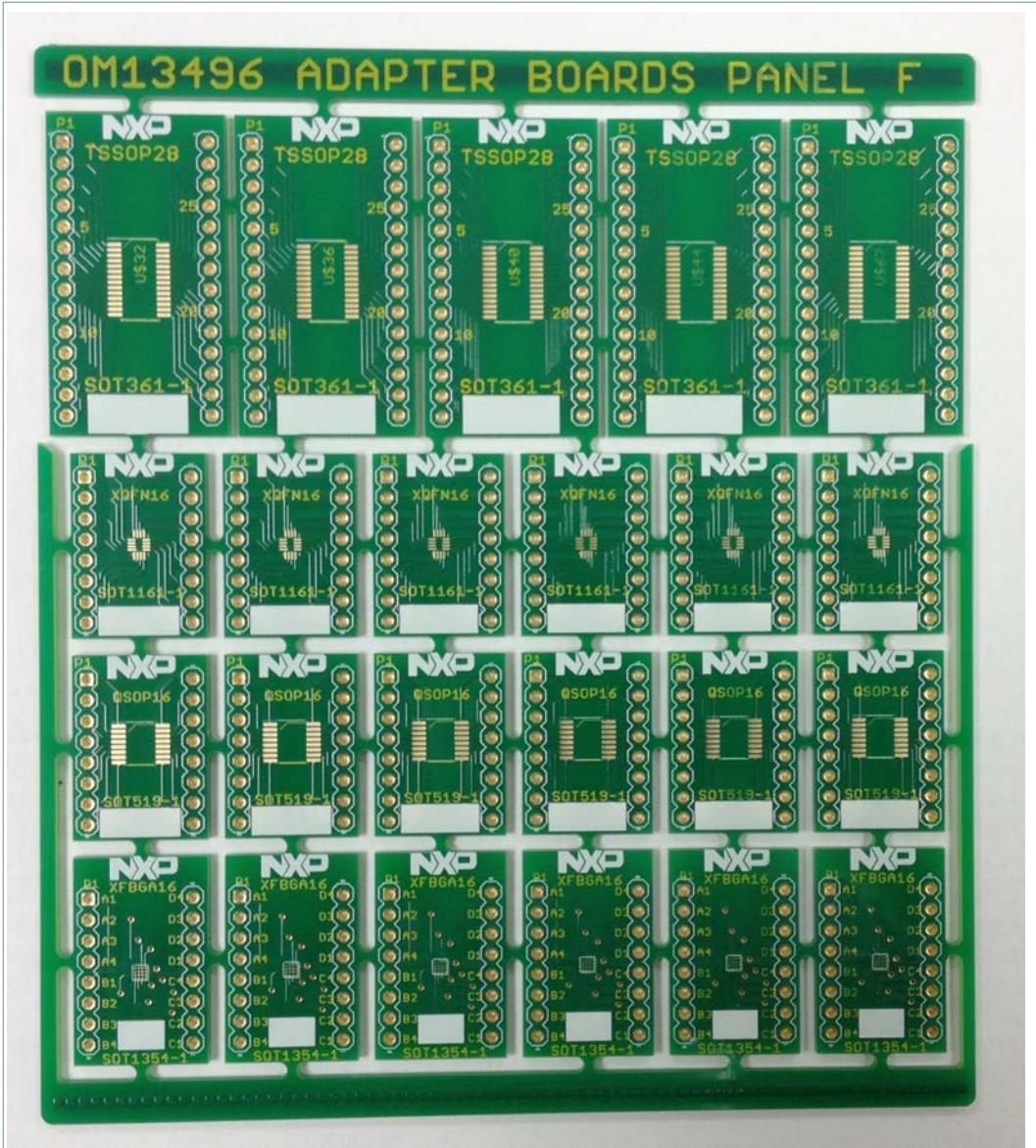


Figure 7. Panel F – consisting of five TSSOP28 and six positions each of XQFN16, QSOP16 and XFBGA16

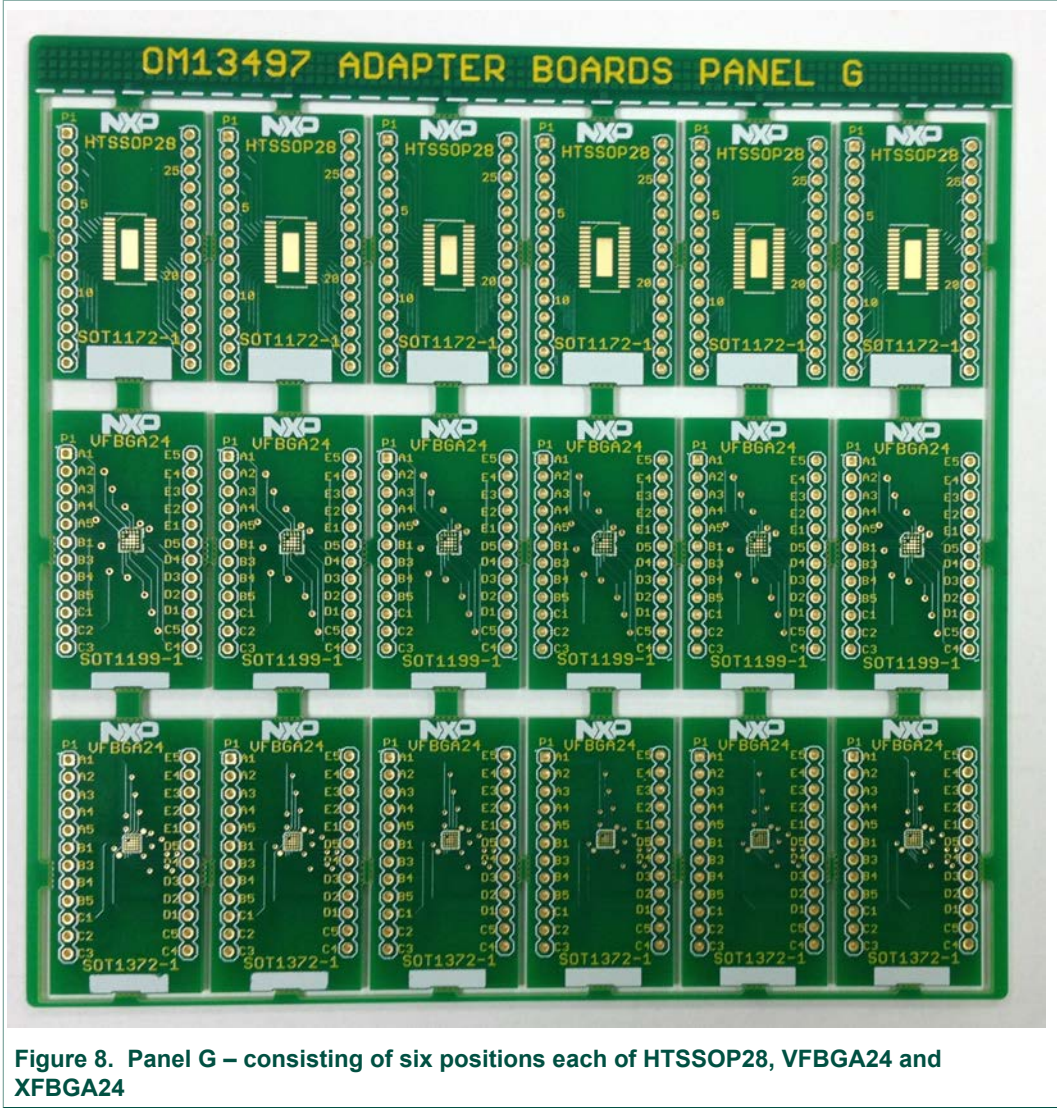


Figure 8. Panel G – consisting of six positions each of HTSSOP28, VFBGA24 and XFBGA24



## 4 Package listing – which panel contains a specific package

Table 2. Panel Number by Package SOT Number

| Package SOT Number      | Package Name | Panel                            |
|-------------------------|--------------|----------------------------------|
| PCT2202UK               | WLCSP6       | Panel B - OM13492                |
| SOT1069-2               | HWSON8       | Panel A - OM13491                |
| SOT1161-1               | XQFN16       | Panel F - OM13496                |
| SOT1172-1               | HTSSOP28     | Panel G - OM13497                |
| SOT1199-1               | VFBGA24      | Panel G - OM13497                |
| SOT1342-1               | XFBGA24      | Panel G - OM13497 <sup>[1]</sup> |
| SOT1353-1, SOT457       | TSOP6        | Panel B - OM13492                |
| SOT1354-1               | XFBGA16      | Panel F - OM13496                |
| SOT355-1                | TSSOP24      | Panel E - OM13495                |
| SOT360-1                | TSSOP20      | Panel E - OM13495                |
| SOT361-1                | TSSOP28      | Panel F - OM13496                |
| SOT402-1                | TSSOP14      | Panel E - OM13495                |
| SOT403-1                | TSSOP16      | Panel E - OM13495                |
| SOT505-1                | MSOP8        | Panel A - OM13491                |
| SOT519-1                | QSOP16       | Panel F - OM13496                |
| SOT530-1                | TSSOP8       | Panel B - OM13492                |
| SOT552-1                | MSOP10       | Panel B - OM13492                |
| SOT815-1 <sup>[2]</sup> | DHVQFN24     | Panel C - OM13493                |
| SOT616-1                | HVQFN24      | Panel D - OM13494                |
| SOT629-1                | HVQFN14      | Panel D - OM13494                |
| SOT650-1                | HVSON10      | Panel B - OM13492                |
| SOT764-1                | DHVQFN20     | Panel C - OM13493                |
| SOT662-1 <sup>[3]</sup> | HVQFN20      | Panel D - OM13494                |
| SOT758-1                | HVQFN16      | Panel D - OM13494                |
| SOT762-1                | DHVQFN14     | Panel C - OM13493                |
| SOT763-1                | DHVQFN16     | Panel C - OM13493                |
| SOT765-1                | VSSOP8       | Panel A - OM13491                |
| SOT902-1                | XQFN8        | Panel A - OM13491                |
| SOT908-1                | HVSON8       | Panel B - OM13492                |
| SOT96-1                 | SO8          | Panel A - OM13491                |
| SOT996-2                | XSON8U       | Panel B - OM13492                |

[1] Silk Screen error on 3rd row of panel G, it should be XFBGA24, SOT1342-1

[2] Panel C row 1 silk screen error, it should be SOT815-1

[3] Silk screen error on panel C row 2, it should be SOT764-1

## 5 Panel contents – what each panel contains

Table 3. Panel Contents

| Panel Description        | Package Name | Package SOT Number |
|--------------------------|--------------|--------------------|
| <b>Panel A - OM13491</b> |              |                    |
|                          | SO8          | SOT96-1            |
|                          | VSSOP8       | SOT765-1           |
|                          | XQFN8        | SOT902-1           |
|                          | HWSO8 x 2    | SOT1069-2          |
|                          | MSOP8 x 2    | SOT505-1           |
| <b>Panel B - OM13492</b> |              |                    |
|                          | MSOP10       | SOT552-1           |
|                          | HVSON10      | SOT650-1           |
|                          | XSON8U       | SOT996-2           |
|                          | TSSOP8       | SOT530-1           |
|                          | HVSON8       | SOT908-1           |
|                          | WLCSP6       | PCT2202UK          |
|                          | TSOP6        | SOT1353-1, SOT457  |
| <b>Panel C - OM13493</b> |              |                    |
|                          | DHVQFN24     | SOT815-1           |
|                          | DHVQFN20     | SOT764-1           |
|                          | DHVQFN16     | SOT763-1           |
|                          | DHVQFN14     | SOT762-1           |
| <b>Panel D - OM13494</b> |              |                    |
|                          | HVQFN24      | SOT616-1           |
|                          | HVQFN20      | SOT662-1           |
|                          | HVQFN16      | SOT758-1           |
|                          | HVQFN16      | SOT629-1           |
| <b>Panel E - OM13495</b> |              |                    |
|                          | TSSOP24      | SOT355-1           |
|                          | TSSOP20      | SOT360-1           |
|                          | TSSOP16      | SOT403-1           |
|                          | TSSOP14      | SOT402-1           |
| <b>Panel F - OM13496</b> |              |                    |
|                          | TSSOP28      | SOT361-1           |
|                          | XQFN16       | SOT1161-1          |
|                          | QSOP16       | SOT519-1           |
|                          | XFBGA16      | SOT1354-1          |

| Panel Description        | Package Name | Package SOT Number |
|--------------------------|--------------|--------------------|
| <b>Panel G - OM13497</b> |              |                    |
|                          | HTSSOP28     | SOT1172-1          |
|                          | VFBGA24      | SOT1199-1          |
|                          | XFBGA24      | SOT1342-1          |



## 6 Part number listing with panel support

As a convenience, below is a listing of most of the I<sup>2</sup>C-bus devices offered by NXP. Instead of consulting the datasheet for the package name and package SOT number, simply look up the alpha-numeric part number listing and note the appropriate Panel Number.

**NOTE:** Pay close attention to the suffix which denotes the package type when looking up the part number

**Table 4. Part number with corresponding panel number support**

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| GTL2002D     | Panel A - OM13491 | SO8          | SOT96-1            |
| GTL2002DC    | Panel A - OM13491 | VSSOP8       | SOT765-1           |
| GTL2002DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| GTL2002GM    | Panel A - OM13491 | XQFN8        | SOT902-1           |
| GTL2003BQ    | Panel C - OM13493 | DHVQFN20     | SOT764-1           |
| GTL2003PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| GTL2005PW    | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| GTL2006PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| GTL2007PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| GTL2008PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| GTL2010BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| GTL2010PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| GTL2012DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| GTL2014PW    | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| GTL2018PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| GTL2034PW    | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| GTL2107PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| LM75AD       | Panel A - OM13491 | SO8          | SOT96-1            |
| LM75ADP      | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| LM75BD       | Panel A - OM13491 | SO8          | SOT96-1            |
| LM75BDP      | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| LM75BGD      | Panel B - OM13492 | XSON8        | SOT996-2           |
| LM75BTP      | Panel A - OM13491 | HWSOP8       | SOT1069-2          |
| NE1617ADS    | Panel F - OM13496 | SSOP16       | SOT519-1           |
| NVT2002D     | Panel A - OM13491 | SO8          | SOT96-1            |
| NVT2002DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| NVT2002GD    | Panel B - OM13492 | XSON8        | SOT996-2           |
| NVT2003DP    | Panel B - OM13492 | TSSOP10      | SOT552-1           |
| NVT2006BQ    | Panel C - OM13493 | DHVQFN16     | SOT763-1           |

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| NVT2006BS    | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| NVT2006PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| NVT2008BQ    | Panel C - OM13493 | DHVQFN20     | SOT764-1           |
| NVT2008PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| NVT2010BQ    | Panel C - OM13493 | DHVQFN24     | SOT815-1           |
| NVT2010BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| NVT2010PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| NVT4555BS    | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| P82B715TD    | Panel A - OM13491 | SO8          | SOT96-1            |
| P82B96DP     | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| P82B96TD     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA24S08AD   | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA24S08ADP  | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA6408ABS   | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA6408AHK   | Panel A - OM13491 | XQFN16       | SOT1161-1          |
| PCA6408APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA6416AEV   | #N/A              | VFBGA24      | SOT1199-1          |
| PCA6416AHF   | #N/A              | HWQFN24      | SOT994-1           |
| PCA6416APW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA8550DB    | #N/A              | SSOP16       | SOT338-1           |
| PCA8550PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA8574AD    | #N/A              | SO16         | SOT162-1           |
| PCA8574APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA8574ATS   | #N/A              | SSOP20       | SOT266-1           |
| PCA8574D     | #N/A              | SO16         | SOT162-1           |
| PCA8574PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA8574TS    | #N/A              | SSOP20       | SOT266-1           |
| PCA8575BQ    | Panel C - OM13493 | DHVQFN24     | SOT815-1           |
| PCA8575BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA8575D     | #N/A              | SO24         | SOT137-1           |
| PCA8575DB    | #N/A              | SSOP24       | SOT340-1           |
| PCA8575PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9306D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9306DC    | Panel A - OM13491 | VSSOP8       | SOT765-1           |
| PCA9306DC1   | Panel A - OM13491 | VSSOP8       | SOT765-1           |
| PCA9306DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |

## OM13491, OM13492, OM13493, OM13494, OM13495, OM13496, OM13497 Breakout Board

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCA9306DP1   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9306GD1   | Panel B - OM13492 | XSON8        | SOT996-2           |
| PCA9306GM    | Panel A - OM13491 | XQFN8        | SOT902-1           |
| PCA9406DC    | Panel A - OM13491 | VSSOP8       | SOT765-1           |
| PCA9406DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9500BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9500D     | #N/A              | SO16         | SOT162-1           |
| PCA9500PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9501BS    | Panel C - OM13493 | HVQFN20      | SOT662-1           |
| PCA9501D     | #N/A              | SO20         | SOT163-1           |
| PCA9501PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9507D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9507DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9508D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9508DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9509ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9509AGM   | Panel A - OM13491 | XQFN8        | SOT902-1           |
| PCA9509D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9509DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9509GM    | Panel A - OM13491 | XQFN8        | SOT902-1           |
| PCA9509PDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9509PGM   | Panel A - OM13491 | XQFN8        | SOT902-1           |
| PCA9510AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9510ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9511AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9511ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9512AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9512ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9512BD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9512BDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9513AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9513ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9514AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9514ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9515AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9515ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |



| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCA9515ATP   | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| PCA9515D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9515DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9516APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9517AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9517ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9517ATP   | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| PCA9517D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9517DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9518AD    | #N/A              | SO20         | SOT163-1           |
| PCA9518APW   | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9518PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9519BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9519PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9521D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9521DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9522D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9522DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9525D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9525DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9527DP    | Panel B - OM13492 | TSSOP10      | SOT552-1           |
| PCA9530D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9530DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9531BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9531PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9532BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9532D     | #N/A              | SO24         | SOT137-1           |
| PCA9532PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9533D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9533DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9534BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9534BS3   | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9534D     | #N/A              | SO16         | SOT162-1           |
| PCA9534PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9535AHF   | #N/A              | HWQFN24      | SOT994-1           |
| PCA9535APW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCA9535BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9535CD    | #N/A              | SO24         | SOT137-1           |
| PCA9535CHF   | #N/A              | HWQFN24      | SOT994-1           |
| PCA9535CPW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9535D     | #N/A              | SO24         | SOT137-1           |
| PCA9535HF    | #N/A              | HWQFN24      | SOT994-1           |
| PCA9535PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9536D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9536DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9536TK    | Panel B - OM13492 | HVSON8       | SOT908-1           |
| PCA9537DP    | Panel B - OM13492 | TSSOP10      | SOT552-1           |
| PCA9538ABS   | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9538APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9538BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9538D     | #N/A              | SO16         | SOT162-1           |
| PCA9538PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9539AHF   | #N/A              | HWQFN24      | SOT994-1           |
| PCA9539APW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9539BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9539D     | #N/A              | SO24         | SOT137-1           |
| PCA9539PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9539RBS   | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9539RPW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9540BD    | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9540BDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9540BGD   | Panel B - OM13492 | XSON8        | SOT996-2           |
| PCA9541ABS   | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9541APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9541BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9541PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9542APW   | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| PCA9543APW   | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| PCA9543BPW   | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| PCA9544ABS   | Panel C - OM13493 | HVQFN20      | SOT662-1           |
| PCA9544AD    | #N/A              | SO20         | SOT163-1           |
| PCA9544APW   | Panel E - OM13495 | TSSOP20      | SOT360-1           |

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCA9545ABS   | Panel C - OM13493 | HVQFN20      | SOT662-1           |
| PCA9545AD    | #N/A              | SO20         | SOT163-1           |
| PCA9545APW   | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9545BPW   | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9545CPW   | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9546ABS   | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9546APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9547BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9547D     | #N/A              | SO24         | SOT137-1           |
| PCA9547PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9548ABS   | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9548AD    | #N/A              | SO24         | SOT137-1           |
| PCA9548APW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9550D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9550DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9551BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9551PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9552BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9552D     | #N/A              | SO24         | SOT137-1           |
| PCA9552PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9553D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9553DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9553TK    | Panel B - OM13492 | HVSON8       | SOT908-1           |
| PCA9554ABS   | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9554ABS3  | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9554AD    | #N/A              | SO16         | SOT162-1           |
| PCA9554ADB   | #N/A              | SSOP16       | SOT338-1           |
| PCA9554APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9554ATS   | #N/A              | SSOP20       | SOT266-1           |
| PCA9554BBS   | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9554BPW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9554BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9554BS3   | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9554CBS   | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9554CPW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9554D     | #N/A              | SO16         | SOT162-1           |



| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCA9554DB    | #N/A              | SSOP16       | SOT338-1           |
| PCA9554PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9554TS    | #N/A              | SSOP20       | SOT266-1           |
| PCA9555AHF   | #N/A              | HWQFN24      | SOT994-1           |
| PCA9555APW   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9555BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9555D     | #N/A              | SO24         | SOT137-1           |
| PCA9555DB    | #N/A              | SSOP24       | SOT340-1           |
| PCA9555HF    | #N/A              | HWQFN24      | SOT994-1           |
| PCA9555PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9556PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9557BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9557PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9558PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| PCA9559PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9560PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9561PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9564BS    | Panel C - OM13493 | HVQFN20      | SOT662-1           |
| PCA9564D     | #N/A              | SO20         | SOT163-1           |
| PCA9564PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9570GM    | Panel A - OM13491 | XQFN8        | SOT902-1           |
| PCA9574BS    | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9574HK    | Panel A - OM13491 | XQFN16       | SOT1161-1          |
| PCA9574PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9575HF    | #N/A              | HWQFN24      | SOT994-1           |
| PCA9575PW1   | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9575PW2   | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| PCA9600D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9600DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9601D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9601DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9605D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCA9605DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9614DP    | Panel B - OM13492 | TSSOP10      | SOT552-1           |
| PCA9616PW    | Panel E - OM13495 | TSSOP14      | SOT402-1           |
| PCA9617ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCA9617ATP   | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| PCA9617DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9617TP    | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| PCA9621PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9624BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9624PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9629APW   | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9629PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9632DP1   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9632DP2   | Panel B - OM13492 | TSSOP10      | SOT552-1           |
| PCA9632TK    | Panel B - OM13492 | HVSON8       | SOT908-1           |
| PCA9632TK2   | Panel B - OM13492 | HVSON10      | SOT650-1           |
| PCA9633BS    | Panel D - OM13494 | HVQFN16      | SOT629-1           |
| PCA9633DP1   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCA9633DP2   | Panel B - OM13492 | TSSOP10      | SOT552-1           |
| PCA9633PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9633TK    | Panel B - OM13492 | HVSON8       | SOT908-1           |
| PCA9634BS    | Panel C - OM13493 | HVQFN20      | SOT662-1           |
| PCA9634D     | #N/A              | SO20         | SOT163-1           |
| PCA9634PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9635PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| PCA9646PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9665APW   | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9665BS    | Panel C - OM13493 | HVQFN20      | SOT662-1           |
| PCA9665D     | #N/A              | SO20         | SOT163-1           |
| PCA9665PW    | Panel E - OM13495 | TSSOP20      | SOT360-1           |
| PCA9670BS    | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9670D     | #N/A              | SO16         | SOT162-1           |
| PCA9670PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9671BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |
| PCA9671D     | #N/A              | SO24         | SOT137-1           |
| PCA9671PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCA9672BS    | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCA9672D     | #N/A              | SO16         | SOT162-1           |
| PCA9672PW    | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCA9673BS    | Panel C - OM13493 | HVQFN24      | SOT616-1           |

| Panel Number | Panel Number      | Package Name | Package SOT Number       |
|--------------|-------------------|--------------|--------------------------|
| PCA9673D     | #N/A              | SO24         | SOT137-1                 |
| PCA9673PW    | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCA9674ABS   | Panel D - OM13494 | HVQFN16      | SOT758-1                 |
| PCA9674AD    | #N/A              | SO16         | SOT162-1                 |
| PCA9674APW   | Panel E - OM13495 | TSSOP16      | SOT403-1                 |
| PCA9674BS    | Panel D - OM13494 | HVQFN16      | SOT758-1                 |
| PCA9674D     | #N/A              | SO16         | SOT162-1                 |
| PCA9674PW    | Panel E - OM13495 | TSSOP16      | SOT403-1                 |
| PCA9675BS    | Panel C - OM13493 | HVQFN24      | SOT616-1                 |
| PCA9675D     | #N/A              | SO24         | SOT137-1                 |
| PCA9675PW    | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCA9685PW    | Panel F - OM13496 | TSSOP28      | SOT361-1                 |
| PCA9701D     | #N/A              | SO24         | SOT137-1                 |
| PCA9701PW    | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCA9702PW    | Panel E - OM13495 | TSSOP16      | SOT403-1                 |
| PCA9703PW    | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCA9922PW    | Panel E - OM13495 | TSSOP16      | SOT403-1                 |
| PCA9952TW    | #N/A              | HTSSOP28     | SOT1172-2 <sup>[1]</sup> |
| PCA9955TW    | #N/A              | HTSSOP28     | SOT1172-2 <sup>[1]</sup> |
| PCA9955BTW   | #N/A              | HTSSOP28     | SOT1172-3 <sup>[1]</sup> |
| PCAL6408ABS  | Panel D - OM13494 | HVQFN16      | SOT758-1                 |
| PCAL6408AHK  | Panel A - OM13491 | XQFN16       | SOT1161-1                |
| PCAL6408APW  | Panel E - OM13495 | TSSOP16      | SOT403-1                 |
| PCAL6416AEV  | #N/A              | VFBGA24      | SOT1199-1                |
| PCAL6416AEX  | #N/A              | XFBGA24      | SOT1342-1                |
| PCAL6416AEX1 | #N/A              | X2QFN24      | SOT1895-1                |
| PCAL6416AER  | #N/A              | UFBGA24      | SOT1361-1                |
| PCAL6416AHF  | #N/A              | HWQFN24      | SOT994-1                 |
| PCAL6416APW  | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCAL9535AHF  | #N/A              | HWQFN24      | SOT994-1                 |
| PCAL9535APW  | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCAL9538ABS  | Panel D - OM13494 | HVQFN16      | SOT758-1                 |
| PCAL9538APW  | Panel E - OM13495 | TSSOP16      | SOT403-1                 |
| PCAL9539AHF  | #N/A              | HWQFN24      | SOT994-1                 |
| PCAL9539APW  | Panel E - OM13495 | TSSOP24      | SOT355-1                 |
| PCAL9554BBS  | Panel D - OM13494 | HVQFN16      | SOT758-1                 |

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| PCAL9554BPW  | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCAL9554CBS  | Panel D - OM13494 | HVQFN16      | SOT758-1           |
| PCAL9554CPW  | Panel E - OM13495 | TSSOP16      | SOT403-1           |
| PCAL9555AHF  | #N/A              | HWQFN24      | SOT994-1           |
| PCAL9555APW  | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCF85102C-2T | Panel A - OM13491 | SO8          | SOT96-1            |
| PCF85103C-2T | Panel A - OM13491 | SO8          | SOT96-1            |
| PCF8570T     | #N/A              | SO8          | SOT176-1           |
| PCF8574AT    | #N/A              | SO16         | SOT162-1           |
| PCF8574ATS   | #N/A              | SSOP20       | SOT266-1           |
| PCF8574T     | #N/A              | SO16         | SOT162-1           |
| PCF8574TS    | #N/A              | SSOP20       | SOT266-1           |
| PCF8575CTS   | #N/A              | SSOP24       | SOT340-1           |
| PCF8575TS    | #N/A              | SSOP24       | SOT340-1           |
| PCF8582C-2T  | Panel A - OM13491 | SO8          | SOT96-1            |
| PCF8584T     | #N/A              | SO20         | SOT163-1           |
| PCF8594C-2T  | Panel A - OM13491 | SO8          | SOT96-1            |
| PCF8598C-2T  | #N/A              | SO8          | SOT176-1           |
| PCT1075D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCT1075DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCT1075TP    | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| PCT2075D     | Panel A - OM13491 | SO8          | SOT96-1            |
| PCT2075DP    | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| PCT2075GV    | Panel B - OM13492 | TSOP6        | SOT1353-1          |
| PCT2075TP    | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| PCU9654PW    | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| PCU9655PW    | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| PCU9655PW1   | Panel F - OM13496 | TSSOP28      | SOT361-1           |
| SA56004AD    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004ADP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004ATK   | Panel A - OM13491 | HVSON8       | SOT782-1           |
| SA56004BD    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004BDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004CD    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004CDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004DD    | Panel A - OM13491 | SO8          | SOT96-1            |



## OM13491, OM13492, OM13493, OM13494, OM13495, OM13496, OM13497 Breakout Board

| Panel Number | Panel Number      | Package Name | Package SOT Number |
|--------------|-------------------|--------------|--------------------|
| SA56004DDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004ED    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004EDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004ETK   | Panel A - OM13491 | HVSON8       | SOT782-1           |
| SA56004FD    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004FDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004FTK   | Panel A - OM13491 | HVSON8       | SOT782-1           |
| SA56004GD    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004GDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA56004HD    | Panel A - OM13491 | SO8          | SOT96-1            |
| SA56004HDP   | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SA601DK      | #N/A              | SSOP20       | SOT266-1           |
| SA602AD      | Panel A - OM13491 | SO8          | SOT96-1            |
| SA605D       | #N/A              | SO20         | SOT163-1           |
| SA605DK      | #N/A              | SSOP20       | SOT266-1           |
| SA606D       | #N/A              | SO20         | SOT163-1           |
| SA606DK      | #N/A              | SSOP20       | SOT266-1           |
| SA607DK      | #N/A              | SSOP20       | SOT266-1           |
| SA608DK      | #N/A              | SSOP20       | SOT266-1           |
| SA612AD      | Panel A - OM13491 | SO8          | SOT96-1            |
| SA615D       | #N/A              | SO20         | SOT163-1           |
| SA615DK      | #N/A              | SSOP20       | SOT266-1           |
| SA616BS      | Panel D - OM13494 | HVQFN20      | SOT917-1           |
| SA616DK      | #N/A              | SSOP20       | SOT266-1           |
| SA630D       | Panel A - OM13491 | SO8          | SOT96-1            |
| SA636BS      | Panel D - OM13494 | HVQFN20      | SOT917-1           |
| SA636DK      | #N/A              | SSOP20       | SOT266-1           |
| SA639DH      | Panel E - OM13495 | TSSOP24      | SOT355-1           |
| SE95D        | Panel A - OM13491 | SO8          | SOT96-1            |
| SE95DP       | Panel A - OM13491 | TSSOP8       | SOT505-1           |
| SE97BPW      | Panel B - OM13492 | TSSOP8       | SOT530-1           |
| SE97BTP      | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| SE98APW      | Panel B - OM13492 | TSSOP8       | SOT530-1           |
| SE98ATP      | Panel A - OM13491 | HWSON8       | SOT1069-2          |
| TDA5051AT    | #N/A              | SO16         | SOT162-1           |

[1] None of the panels support SOT1172-2 footprint, nor SOT1172-3. Devices with these two footprints can use Panel G SOT1172-1 footprint only if center pad is not soldered on.

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Tables

|         |                                                     |    |         |                                                           |    |
|---------|-----------------------------------------------------|----|---------|-----------------------------------------------------------|----|
| Tab. 1. | Package Name to SOT drawing number conversion ..... | 4  | Tab. 3. | Panel Contents .....                                      | 16 |
| Tab. 2. | Panel Number by Package SOT Number .....            | 15 | Tab. 4. | Part number with corresponding panel number support ..... | 18 |

Figures

|         |                                                                                                                        |    |         |                                                                                                 |    |
|---------|------------------------------------------------------------------------------------------------------------------------|----|---------|-------------------------------------------------------------------------------------------------|----|
| Fig. 1. | Breakout board with headers assembly .....                                                                             | 7  | Fig. 5. | Panel D – consisting of six each of HVQFN24, HVQFN20, HVQFN16 (SOT758), HVQFN16 (SOT629) .....  | 11 |
| Fig. 2. | Panel A – consisting of six positions each of SO8, VSSOP8, XQFN8, 2xHWSO8 and 2xMSOP8 .....                            | 8  | Fig. 6. | Panel E – consisting of six each TSSOP24, TSSOP20, TSSOP16, TSSOP14 .....                       | 12 |
| Fig. 3. | Panel B – consisting of six positions each of MSOP10, HCSO10, XSON8U, TSSOP8, HVSON8, PCT2202 / WLCSP6 and TSOP6 ..... | 9  | Fig. 7. | Panel F – consisting of five TSSOP28 and six positions each of XQFN16, QSOP16 and XFBGA16 ..... | 13 |
| Fig. 4. | Panel C – consisting of six each of DHVQFN24, DHVQFN20, DHVQFN16, DHVQFN14 .....                                       | 10 | Fig. 8. | Panel G – consisting of six positions each of HTSSOP28, VFBGA24 and XFBGA24 .....               | 14 |



Contents

1 Introduction ..... 3

2 Key features ..... 4

3 Quick overview of the breakout board  
concept .....7

4 Package listing – which panel contains a  
specific package ..... 15

5 Panel contents – what each panel contains ....16

6 Part number listing with panel support .....18

7 Legal information .....29

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