

ORIGINAL

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.  
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

| REVISIONS |          |  |            |            |
|-----------|----------|--|------------|------------|
| SYM       | ECN No.  | DESCRIPTION  | DATE       | APPROVED   |
| A         |          | RELEASE TO PRODUCTION                                | 09/06/2011 | Roger Tsai |
| B         | NE-13041 | REMOVED NYLON46/WITHOUT CAP OPTION                   | 03/26/2013 | Roger Tsai |
| C         | NE-13180 | ADDED PCB OPTION & LOGO NOTE                         | 11/05/2013 | Roger Tsai |
| D         | NE-14011 | MODIFIED 164 POS. PACKAGING                          | 01/16/2014 | Roger Tsai |
| E         | NE-16005 | ADD PCB OPTION & DIM /UPDATE TO MATTE TIN            | 01/21/2016 | Arron Lin  |
| F         | NE-16224 | ADDING WORDING (FIXTURE) DESCRIPTION                 | 10/04/2016 | Arron Lin  |
| A1        | NE-17289 | CHANGE PACKAGE INNER MATERIAL TO VACUUM ALUMINUM BAG | 11/21/2017 | Roger Tsai |



- NOTES:
- MATERIAL:  
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, UL94V-0, COLOR: BLACK.  
TERMINAL: COPPER ALLOY.
  - FINISH:  
TERMINAL:  
CONTACT AREA: SELECTED GOLD PLATING;  
SOLDERING AREA: MATTE TIN PLATING 100 μm THICKNESS MIN.;  
UNDER PLATING: NICKEL PLATING 50 μm THICKNESS MIN. OVERALL.
  - PRODUCT SPECIFICATION REFER TO : PS-7482.
  - TEST SUMMARY REFER TO : TS-7482-001.
  - PACKING IS PER AMTA PACKING SPECIFICATION PKS-0001.
  - THIS PRODUCT IS LEAD-FREE & RoHS COMPLIANT PRODUCT.

PART NO. G630HXXX2XXXEU

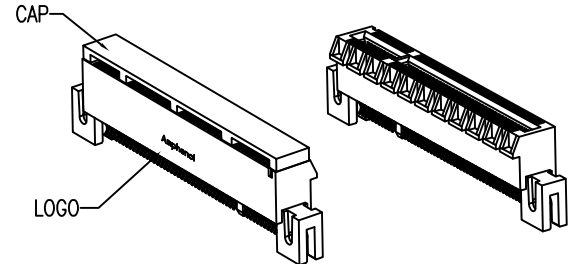
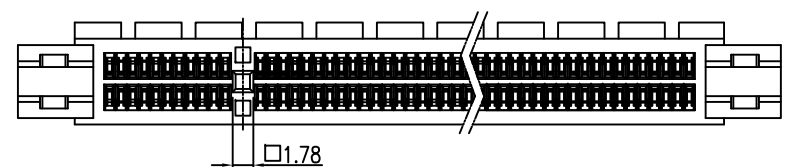
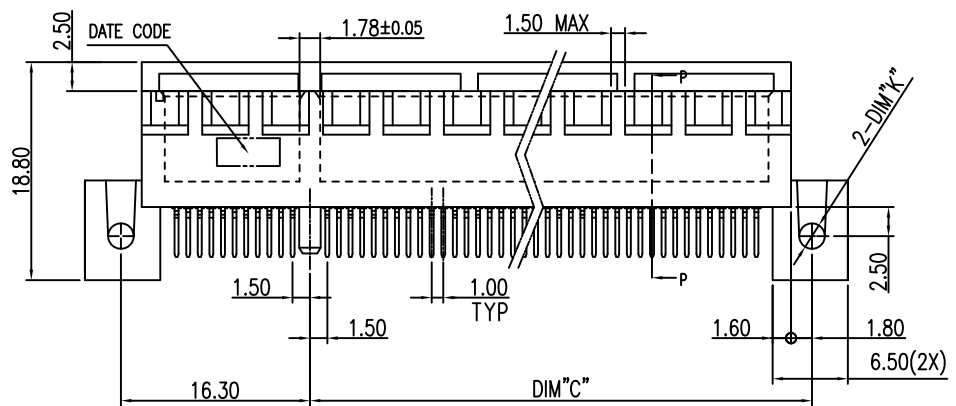
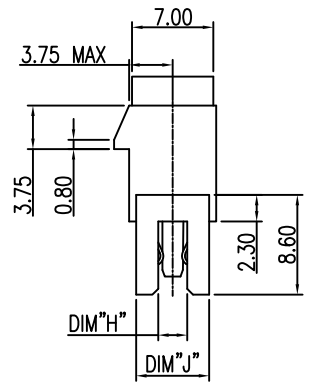
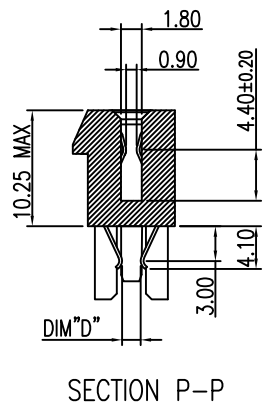
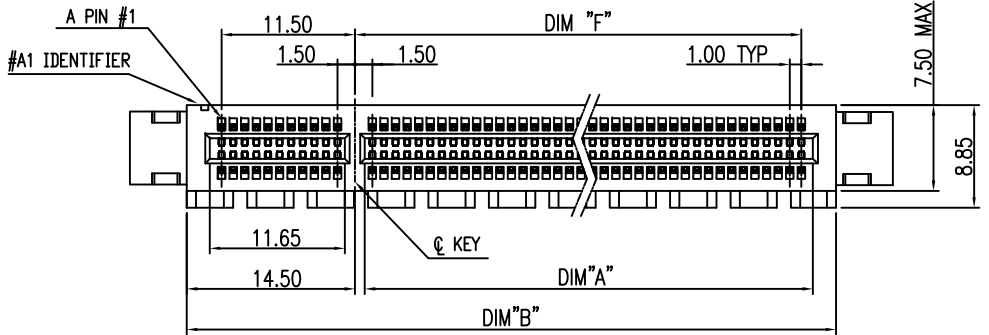
| NO. OF POSITION   | PCB THICKNESS/DIM D / DIM H            |
|-------------------|--|
| 36: 36 POSITIONS  | 6: 2.08 MM / 1.60MM / 2.50MM           |
| 64: 64 POSITIONS  | 7: 2.30 MM / 1.90MM / 2.50MM           |
| 98: 98 POSITIONS  | 8: 1.57 MM / 1.20MM / 2.50MM (Fixture) |
| AA: 164 POSITIONS | A: 2.36 MM / 1.90MM / 2.80MM           |
|                   | B: 2.36 MM / 2.10MM / 2.80MM           |
|                   | D: 1.57 MM / 1.20MM / 1.70MM           |
|                   | E: 1.83 MM / 1.60MM / 2.50MM           |

CONTACT FINISH

|               |            |
|---------------|------------|
| 0: GOLD FLASH | CAP OPTION |
| 1: 15 μm GOLD | 4: CAP     |
| 2: 30 μm GOLD |            |
| 3: 10 μm GOLD |            |

INSULATOR MATERIAL

|             |
|-------------|
| 2: NYLON 9T |
|-------------|



| POSITION | DIM "A" | DIM "B" | DIM "C" | DIM "F" |
|----------|---------|---------|---------|---------|
| 36       | 7.65    | 25.00   | 12.30   | 7.50    |
| 64       | 21.65   | 39.00   | 26.30   | 21.50   |
| 98       | 38.65   | 56.00   | 43.30   | 38.50   |
| 164      | 71.65   | 89.00   | 76.30   | 71.50   |

| DIM "K" | DIM "J" | DIM "H" | DIM "D" | PCB THICKNESS |
|---------|---------|---------|---------|---------------|
| ø2.20   | 6.30    | 2.50    | 1.60    | 2.08 MM       |
| ø2.20   | 6.30    | 2.50    | 1.90    | 2.30 MM       |
| ø2.20   | 6.30    | 2.50    | 1.20    | 1.57 MM       |
| ø2.20   | 6.30    | 2.80    | 1.90    | 2.36±0.24 MM  |
| ø2.20   | 6.30    | 2.80    | 2.10    | 2.36 MM       |
| ø2.00   | 5.00    | 1.70    | 1.20    | 1.57 MM       |
| ø2.20   | 6.30    | 2.50    | 1.60    | 1.83 MM       |

| TOLERANCE                  | APPROVALS           | DATE              | TITLE   | UNIT     | SIZE         | PART No.               |
|----------------------------|---------------------|-------------------|---|----------|--------------|------------------------|
| X. ±0.30                   | DRAWN Sandy Wu      | 11/21/2017        | G630H SERIES,<br>PCI EXPRESS 3.0<br>STRAIGHT, STRADDLE TYPE | mm       | A3           | G630HXXX2XXXEU         |
| X.X ±0.20                  | CHECKED Debby Hung  | 11/21/2017        |   |          |              |                        |
| X.XX ±0.20                 | APPROVED Roger Tsai | 11/21/2017        |   |          |              |                        |
| X.XXX ±0.10                | DWG TYPE CUST DWG   | PROJECT CODE SLOT |   |          |              |                        |
| ANGULAR ±1°                |                     |                   |   | SCALE NA | SHEET 1 OF 5 | DWG No. G630HXXX2XXXEU |
| UNLESS OTHERWISE SPECIFIED |                     |                   |   |          |              | REV. A1                |

Amphenol®  
Amphenol Corporation  
Amphenol Taiwan Corporation

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

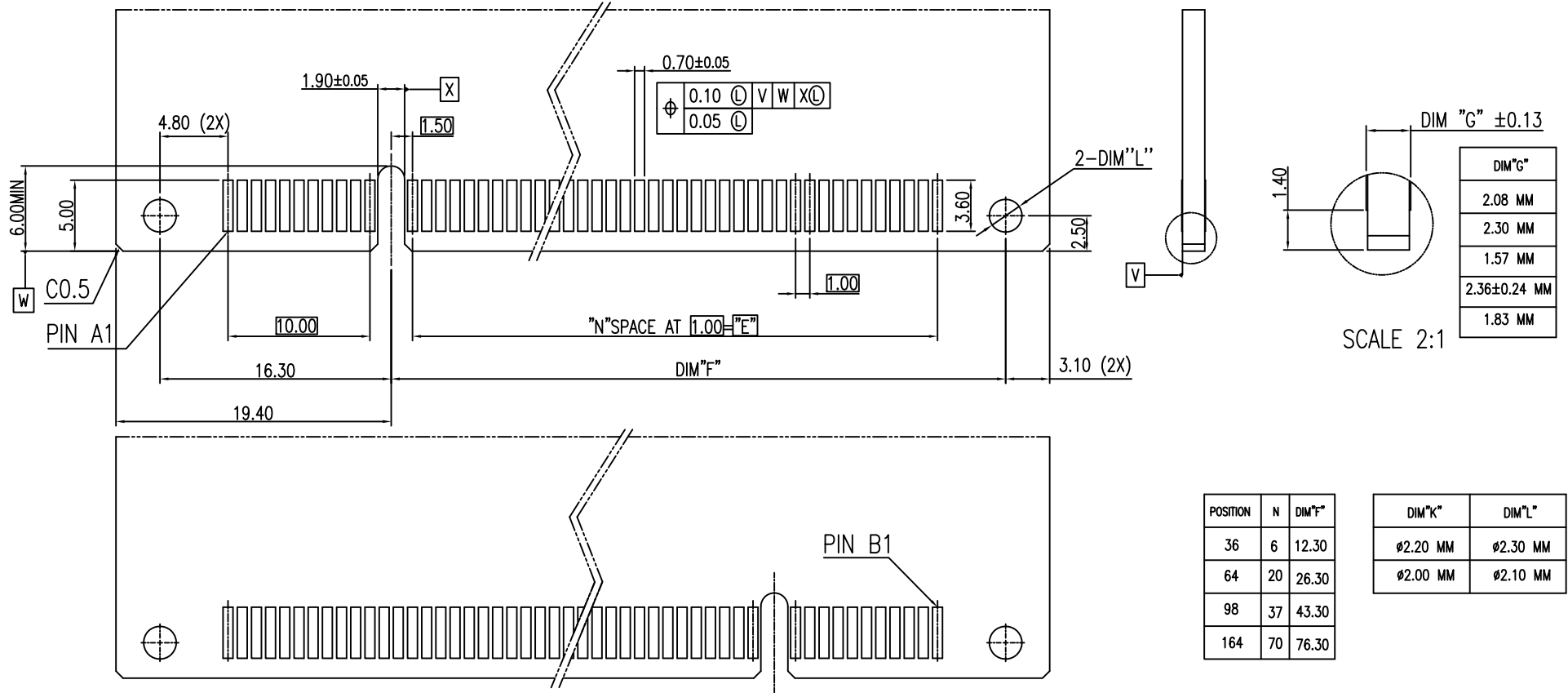
The marking on this product doesn't contain environmental hazardous materials per Material Specification 55-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.



ORIGINAL



| REVISIONS |          |  |            |            |
|-----------|----------|--|------------|------------|
| SYM       | ECN No.  | DESCRIPTION  | DATE       | APPROVED   |
| A         |          | RELEASE TO PRODUCTION                                | 09/06/2011 | Roger Tsai |
| B         | NE-13041 | REMOVED NYLON46/WITHOUT CAP OPTION                   | 03/26/2013 | Roger Tsai |
| C         | NE-13180 | ADDED PCB OPTION & LOGO NOTE                         | 11/05/2013 | Roger Tsai |
| D         | NE-14011 | MODIFIED 164 POS. PACKAGING                          | 01/16/2014 | Roger Tsai |
| E         | NE-16005 | ADD PCB OPTION & DIM /UPDATE TO MATTE TIN            | 01/21/2016 | Arron Lin  |
| F         | NE-16224 | ADDING WORDING (FIXTURE) DESCRIPTION                 | 10/04/2016 | Arron Lin  |
| A1        | NE-17289 | CHANGE PACKAGE INNER MATERIAL TO VACUUM ALUMINUM BAG | 11/21/2017 | Roger Tsai |



RECOMMEND OF PCB DIMENSIONS

| TOLERANCE                  | APPROVALS           | DATE              | TITLE   |              | Amphenol®   |         |
|----------------------------|---------------------|-------------------|---|--------------|---|---------|
| X. ±0.30                   | DRAWN Sandy Wu      | 11/21/2017        | G630H SERIES,<br>PCI EXPRESS 3.0<br>STRAIGHT, STRADDLE TYPE |              | Amphenol Corporation<br>Amphenol Taiwan Corporation |         |
| X.X ±0.20                  | CHECKED Debby Hung  | 11/21/2017        |   |              |   |         |
| X.XXX ±0.10                | APPROVED Roger Tsai | 11/21/2017        |   |              |   |         |
| ANGULAR ±1°                | DWG TYPE CUST DWG   | PROJECT CODE SLOT | UNIT mm   | SIZE A3      | PART No. G630HXXX2XXXEU                             |         |
| UNLESS OTHERWISE SPECIFIED |                     |                   | SCALE NA  | SHEET 2 OF 5 | DWG No. G630HXXX2XXXEU                              | REV. A1 |

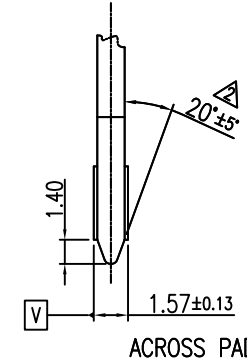
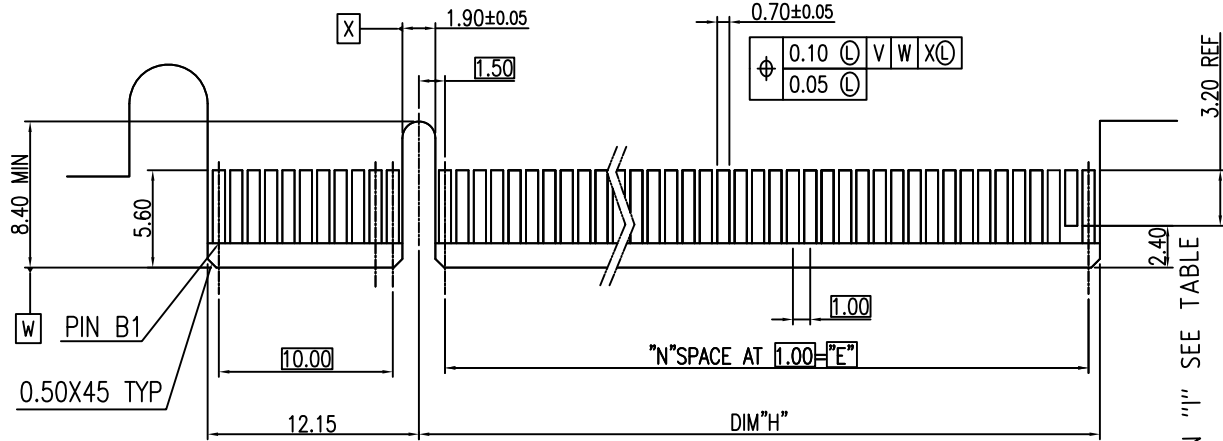
This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.  
 The marking on this product doesn't contain environmental hazardous materials per Material Specification 55-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.



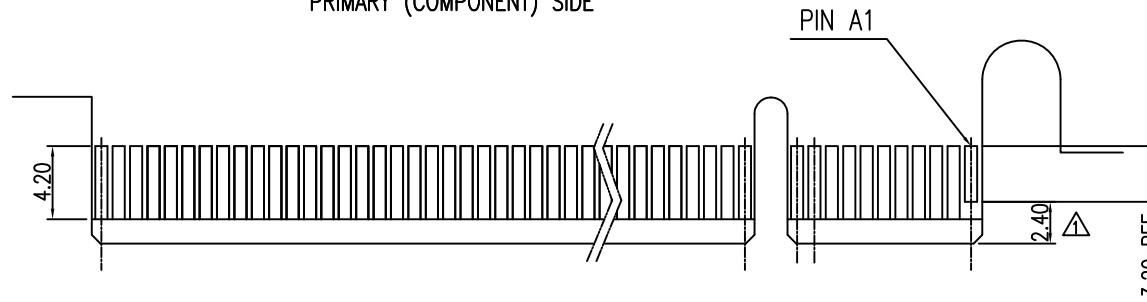
ORIGINAL



| REVISIONS |          |  |            |            |
|-----------|----------|--|------------|------------|
| SYM       | ECN No.  | DESCRIPTION  | DATE       | APPROVED   |
| A         |          | RELEASE TO PRODUCTION                                | 09/06/2011 | Roger Tsai |
| B         | NE-13041 | REMOVED NYLON46/WITHOUT CAP OPTION                   | 03/26/2013 | Roger Tsai |
| C         | NE-13180 | ADDED PCB OPTION & LOGO NOTE                         | 11/05/2013 | Roger Tsai |
| D         | NE-14011 | MODIFIED 164 POS. PACKAGING                          | 01/16/2014 | Roger Tsai |
| E         | NE-16005 | ADD PCB OPTION & DIM /UPDATE TO MATTE TIN            | 01/21/2016 | Arron Lin  |
| F         | NE-16224 | ADDING WORDING (FIXTURE) DESCRIPTION                 | 10/04/2016 | Arron Lin  |
| A1        | NE-17289 | CHANGE PACKAGE INNER MATERIAL TO VACUUM ALUMINUM BAG | 11/21/2017 | Roger Tsai |



I/O PANEL DIRECTION  
PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION  
SECONDARY (SOLDER) SIDE

- △ NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN "I"
- △ CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- △ TOLERANCE: .XX±.13

| POSITION | N  | DIM "H" | PIN "I" |
|----------|----|---------|---------|
| 36       | 6  | 8.15    | B17     |
| 64       | 20 | 22.15   | B31     |
| 98       | 37 | 39.15   | B48     |
| 164      | 70 | 72.15   | B81     |

| TOLERANCE |       | APPROVALS                  |  | DATE       | TITLE   |      | Amphenol®   |    |       |        |          |                |      |    |
|-----------|-------|----------------------------|--|------------|---|------|---|----|-------|--------|----------|----------------|------|----|
| X.        |       | DRAWN Sandy Wu             |  | 11/21/2017 | G630H SERIES,<br>PCI EXPRESS 3.0<br>STRAIGHT, STRADDLE TYPE |      | Amphenol Corporation<br>Amphenol Taiwan Corporation |    |       |        |          |                |      |    |
| X.X       | ±0.30 | CHECKED Debby Hung         |  | 11/21/2017 |   |      |   |    |       |        |          |                |      |    |
| X.XX      | ±0.20 | APPROVED Roger Tsai        |  | 11/21/2017 |   |      |   |    |       |        |          |                |      |    |
| X.XXX     | ±0.10 | UNLESS OTHERWISE SPECIFIED |  | CUST DWG   | PROJECT CODE  | SLOT | UNIT  | mm | SIZE  | A3     | PART No. | G630HXXX2XXXEU |      |    |
| ANGULAR   | ±1°   |                            |  |            |   |      | SCALE   | NA | SHEET | 3 OF 5 | DWG No.  | G630HXXX2XXXEU | REV. | A1 |

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

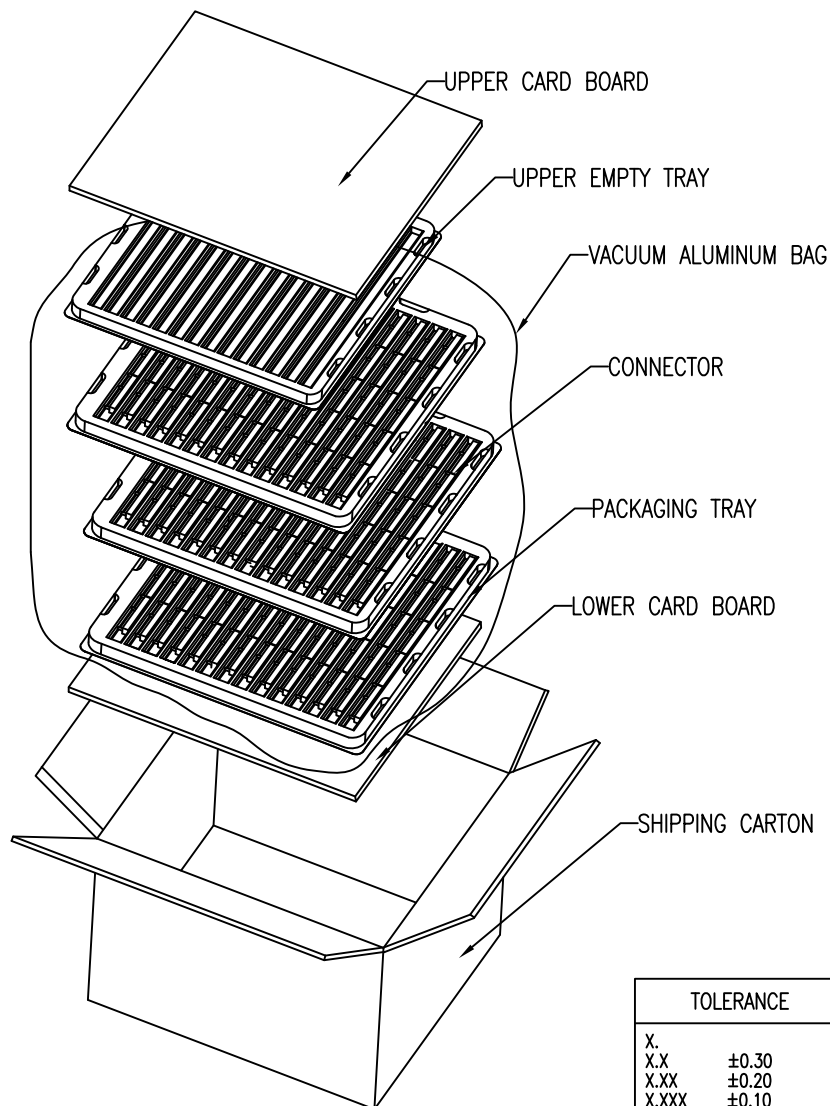
The marking on this product doesn't contain environmental hazardous materials per Material Specification 55-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.



ORIGINAL



| REVISIONS |          |  |            |            |
|-----------|----------|--|------------|------------|
| SYM       | ECN No.  | DESCRIPTION  | DATE       | APPROVED   |
| A         |          | RELEASE TO PRODUCTION                                | 09/06/2011 | Roger Tsai |
| B         | NE-13041 | REMOVED NYLON46/WITHOUT CAP OPTION                   | 03/26/2013 | Roger Tsai |
| C         | NE-13180 | ADDED PCB OPTION & LOGO NOTE                         | 11/05/2013 | Roger Tsai |
| D         | NE-14011 | MODIFIED 164 POS. PACKAGING                          | 01/16/2014 | Roger Tsai |
| E         | NE-16005 | ADD PCB OPTION & DIM /UPDATE TO MATTE TIN            | 01/21/2016 | Arron Lin  |
| F         | NE-16224 | ADDING WORDING (FIXTURE) DESCRIPTION                 | 10/04/2016 | Arron Lin  |
| A1        | NE-17289 | CHANGE PACKAGE INNER MATERIAL TO VACUUM ALUMINUM BAG | 11/21/2017 | Roger Tsai |



|                         |      |      |     |
|-------------------------|------|------|-----|
| CIRCUIT SIZE            | 36   | 64   | 98  |
| PARTS PER CARTON<S.P.Q> | 1755 | 1170 | 975 |
| PARTS PER TRAY          | 117  | 78   | 65  |
| TOTEL TRAY PER CARTON   | 16   | 16   | 16  |

3

NOTES:

1. STAPLES SHOULD ONLY BE USED TO SET UP CARTON. ALL CARTON CLOSURES MUST BE DONE WITH TAPE.
  2. FILL PACKAGING TRAYS WITH THE QUANTITIES AS INDICATED IN THE CHART.
- 3 IN THE 16 PLASTIC TRAYS ,THE TOP PLASTIC TRAY IS TO COVER THE CONNECTORS ,THE OTHERS ARE FILLED WITH CONNECTORS.

| TOLERANCE                  | APPROVALS           | DATE              | TITLE   |              | Amphenol®   |         |
|----------------------------|---------------------|-------------------|---|--------------|---|---------|
| X. ±0.30                   | DRAWN Sandy Wu      | 11/21/2017        | G630H SERIES,<br>PCI EXPRESS 3.0<br>STRAIGHT, STRADDLE TYPE |              | Amphenol Corporation<br>Amphenol Taiwan Corporation |         |
| X.X ±0.20                  | CHECKED Debby Hung  | 11/21/2017        |   |              |   |         |
| X.XXX ±0.10                | APPROVED Roger Tsai | 11/21/2017        |   |              |   |         |
| ANGULAR ±1°                | DWG TYPE CUST DWG   | PROJECT CODE SLOT | UNIT mm   | SIZE A3      | PART No. G630HXXX2XXXEU                             |         |
| UNLESS OTHERWISE SPECIFIED |                     |                   | SCALE NA  | SHEET 4 OF 5 | DWG No. G630HXXX2XXXEU                              | REV. A1 |

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

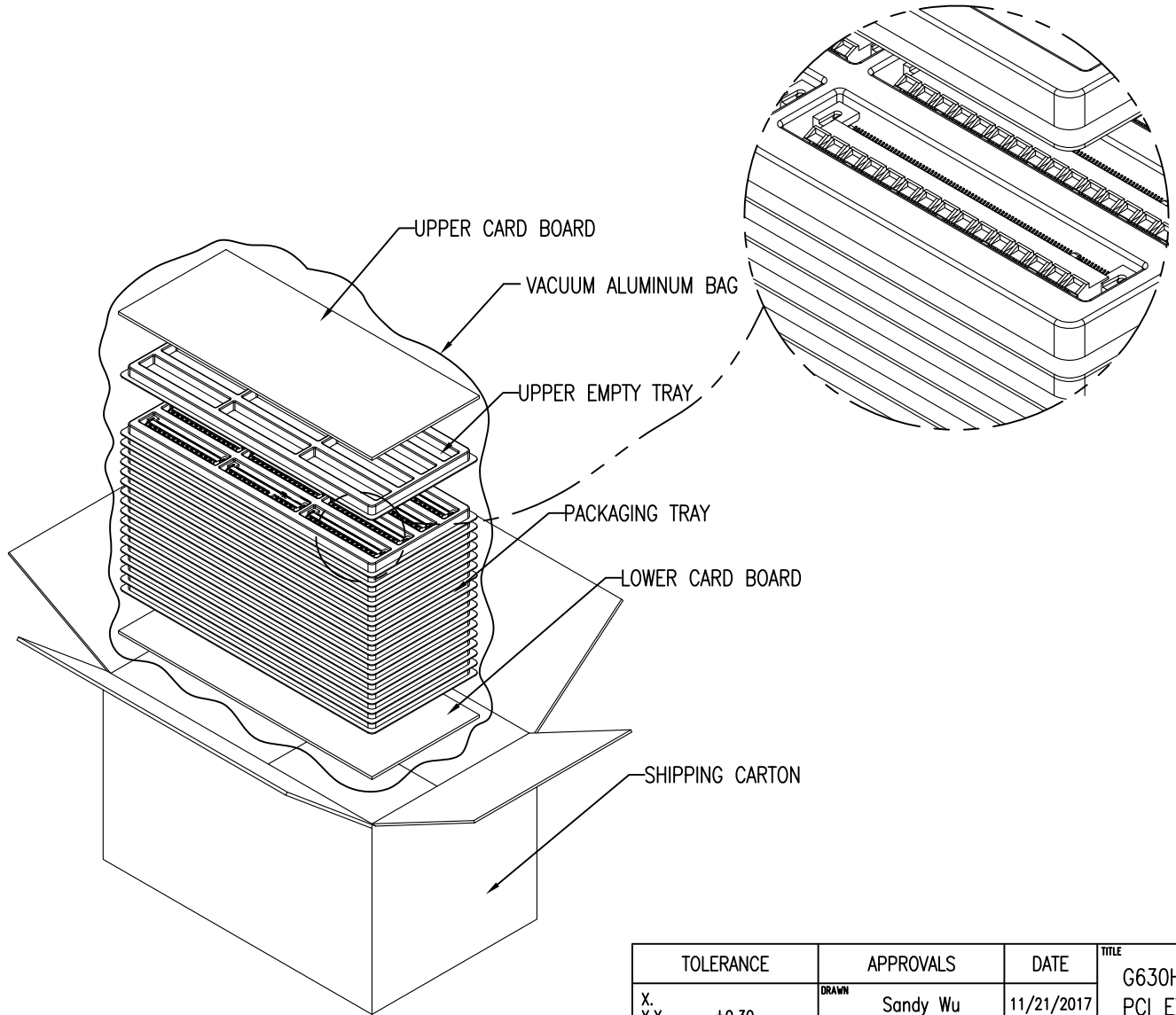
The marking on this product doesn't contain environmental hazardous materials per Material Specification 55-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.



ORIGINAL



| REVISIONS |          |  |            |            |
|-----------|----------|--|------------|------------|
| SYM       | ECN No.  | DESCRIPTION  | DATE       | APPROVED   |
| A         |          | RELEASE TO PRODUCTION                                | 09/06/2011 | Roger Tsai |
| B         | NE-13041 | REMOVED NYLON46/WITHOUT CAP OPTION                   | 03/26/2013 | Roger Tsai |
| C         | NE-13180 | ADDED PCB OPTION & LOGO NOTE                         | 11/05/2013 | Roger Tsai |
| D         | NE-14011 | MODIFIED 164 POS. PACKAGING                          | 01/16/2014 | Roger Tsai |
| E         | NE-16005 | ADD PCB OPTION & DIM /UPDATE TO MATTE TIN            | 01/21/2016 | Arron Lin  |
| F         | NE-16224 | ADDING WORDING (FIXTURE) DESCRIPTION                 | 10/04/2016 | Arron Lin  |
| A1        | NE-17289 | CHANGE PACKAGE INNER MATERIAL TO VACUUM ALUMINUM BAG | 11/21/2017 | Roger Tsai |



|                         |     |
|-------------------------|-----|
| CIRCUIT SIZE            | 164 |
| PARTS PER CARTON<S.P.Q> | 204 |
| PARTS PER TRAY          | 12  |
| TOTEL TRAY PER CARTON   | 18  |

3

NOTES:

1. STAPLES SHOULD ONLY BE USED TO SET UP CARTON. ALL CARTON CLOSURES MUST BE DONE WITH TAPE.
  2. FILL PACKAGING TRAYS WITH THE QUANTITIES AS INDICATED IN THE CHART.
- 3 IN THE 18 PLASTIC TRAYS ,THE TOP PLASTIC TRAY IS TO COVER THE CONNECTORS ,THE OTHERS ARE FILLED WITH CONNECTORS.

| TOLERANCE |       | APPROVALS                  |            | DATE       | TITLE   |              | Amphenol®   |       |    |       |        |          |                |      |    |
|-----------|-------|----------------------------|------------|------------|---|--------------|---|-------|----|-------|--------|----------|----------------|------|----|
| X.        |       | DRAWN                      | Sandy Wu   | 11/21/2017 | G630H SERIES,<br>PCI EXPRESS 3.0<br>STRAIGHT, STRADDLE TYPE |              | Amphenol Corporation<br>Amphenol Taiwan Corporation |       |    |       |        |          |                |      |    |
| X.X       | ±0.30 | CHECKED                    | Debby Hung | 11/21/2017 |   |              |   |       |    |       |        |          |                |      |    |
| X.XX      | ±0.20 | APPROVED                   | Roger Tsai | 11/21/2017 |   |              |   |       |    |       |        |          |                |      |    |
| X.XXX     | ±0.10 | UNLESS OTHERWISE SPECIFIED |            | DWG TYPE   | CUST DWG  | PROJECT CODE | SLOT  | UNIT  | mm | SIZE  | A3     | PART No. | G630HXXX2XXXEU |      |    |
| ANGULAR   | ±1°   |                            |            |            |   |              |   | SCALE | NA | SHEET | 5 OF 5 | DWG No.  | G630HXXX2XXXEU | REV. | A1 |