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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.



ORIGINAL



| REVISIONS |          |                                                                            |            |            |
|-----------|----------|----------------------------------------------------------------------------|------------|------------|
| SYM       | ECN No.  | DESCRIPTION                                                                | DATE       | APPROVED   |
| A         |          | RELEASE REVISION                                                           | 09/28/2011 | Roger Tsai |
| B         | NE-15040 | ADDED PIN DEFINITION, BOTTOM VIEW OPTION, DIM H & G, UPDATED DATE CODE NO. | 04/14/2015 | Roger Tsai |
| C         | NE-17286 | ADD CARD DIMENSION                                                         | 11/10/2017 | Roger Tsai |

#### NOTES:

##### 1. MATERIAL:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, LCP, UL94V-0,  
COLOR: BLACK.

COVER: HIGH TEMPERATURE THERMAL PLASTIC, LCP, UL94V-0,  
COLOR: BLACK.

TERMINAL: COPPER ALLOY.

HOLD DOWN: COPPER ALLOY.

##### 2. FINISH:

TERMINAL:

CONTACT AREA: SELECTIVE GOLD PLATING THICKNESS MIN.;

SOLDERING AREA: MATTE TIN PLATING 100  $\mu$ " THICKNESS MIN.;

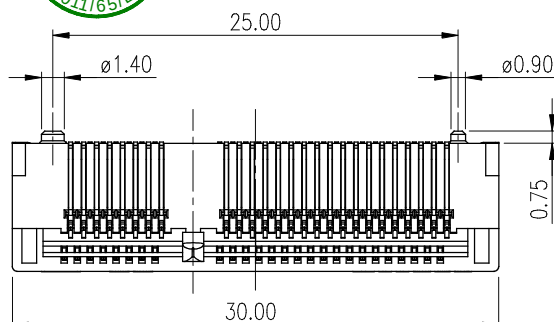
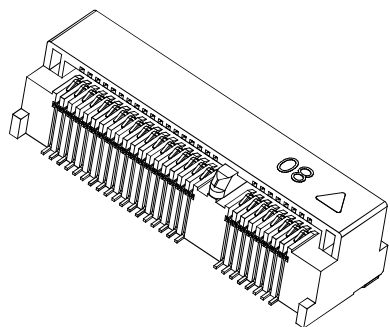
UNDER PLATING: NICKEL PLATING 50  $\mu$ " THICKNESS MIN. OVERALL.

HOLD DOWN: MATTE TIN PLATING 100  $\mu$ " THICKNESS MIN.;

UNDER PLATING: NICKEL PLATING 50  $\mu$ " THICKNESS MIN. OVERALL.

##### 3. PACKING IS PER AMTA PACKING SPECIFICATION PKS-0001.

##### 4. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU FOR RoHS COMPLIANT.



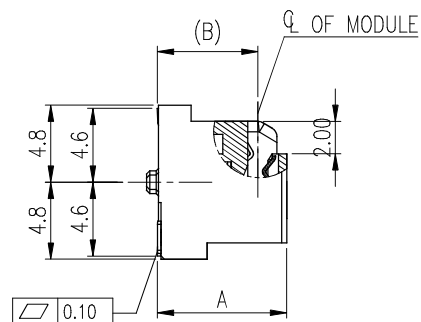
#### DATE CODE

30411 (YMMDD)

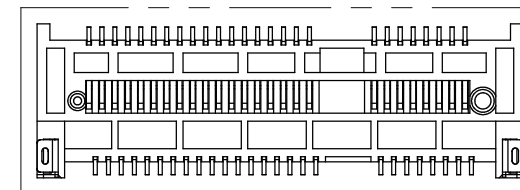
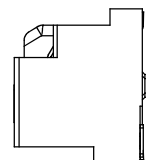
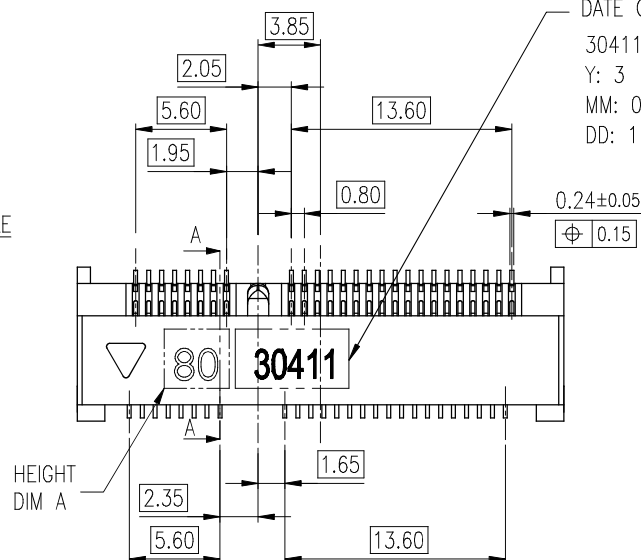
Y: 3 YEAR(2013~)

MM: 04 MONTH(01~12)

DD: 11 DAY(01~31)



SECTION A-A



BOTTOM VIEW OPTION  
SEE SHEET 2

PART NO. G633A0520 X X 2YEU

#### CONTACT FINISH

0: GOLD FLASH

1: 10 $\mu$ " GOLD

2: 15 $\mu$ " GOLD

3: 30 $\mu$ " GOLD

#### DIM A HEIGHT

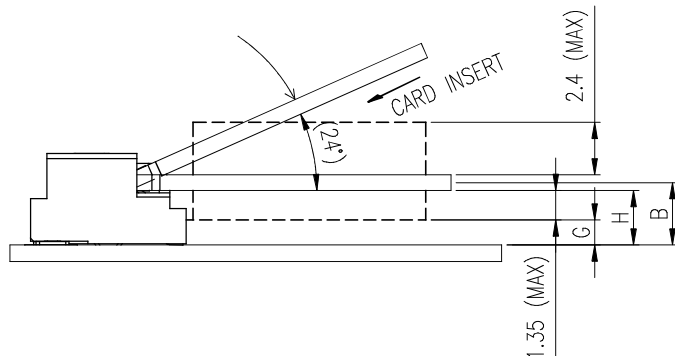
1: 4.0MM

2: 5.2MM

3: 5.6MM

4: 8.0MM

7: 9.2MM



| PRODUCT NO.       | DIM "A" | DIM "B" | H(REF) | G(REF) |
|-------------------|---------|---------|--------|--------|
| G633A0520X 1 2YEU | 4.0     | 2.2     | (1.7)  | (0.45) |
| G633A0520X 2 2YEU | 5.2     | 3.4     | (2.9)  | (1.65) |
| G633A0520X 3 2YEU | 5.6     | 3.8     | (3.3)  | (2.05) |
| G633A0520X 4 2YEU | 8.0     | 6.2     | (5.7)  | (4.45) |
| G633A0520X 7 2YEU | 9.2     | 7.4     | (6.7)  | (5.65) |

| TOLERANCE                                    | APPROVALS           | DATE              |
|----------------------------------------------|---------------------|-------------------|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 | DRAWN Karen Su      | 11/10/2017        |
|                                              | CHECKED Aqua Chou   | 11/10/2017        |
| ANGULAR ±1°                                  | APPROVED Roger Tsai | 11/10/2017        |
| UNLESS OTHERWISE SPECIFIED                   | DWG TYPE CUST DWG   | PROJECT CODE SLOT |

| TITLE                                                                   |              | PART No.                |  |
|-------------------------------------------------------------------------|--------------|-------------------------|--|
| G633A SERIES<br>MINI PCI-E SOCKET, 52 POS.<br>0.8MM PITCH, R/A SMT TYPE |              | G633A0520XX2YEU         |  |
| UNIT mm                                                                 | SIZE A3      | DWG No. G633A0520XX2YEU |  |
| SCALE NA                                                                | SHEET 1 OF 4 | REV. C                  |  |

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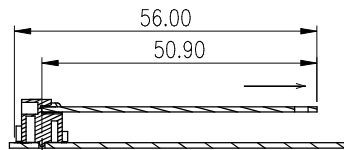
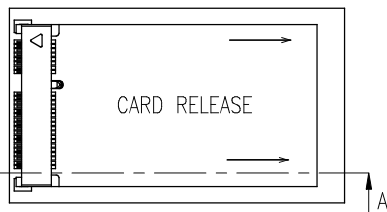
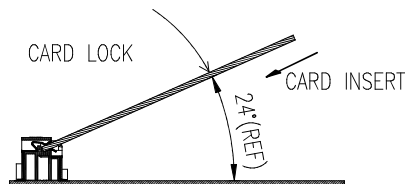
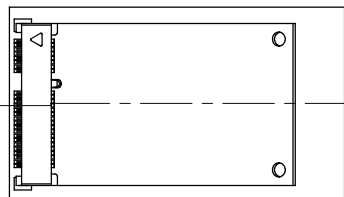
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.



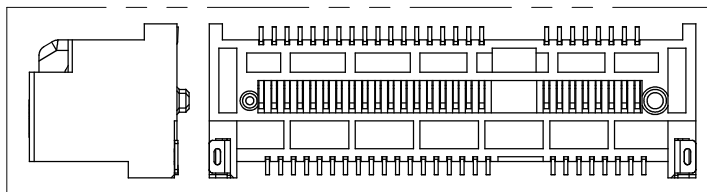
ORIGINAL



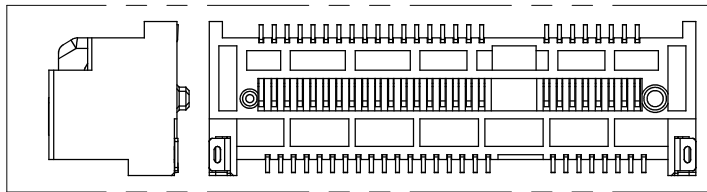
| REVISIONS |          |                                                                            |            |            |
|-----------|----------|----------------------------------------------------------------------------|------------|------------|
| SYM       | ECN No.  | DESCRIPTION                                                                | DATE       | APPROVED   |
| A         |          | RELEASE REVISION                                                           | 09/28/2011 | Roger Tsai |
| B         | NE-15040 | ADDED PIN DEFINITION, BOTTOM VIEW OPTION, DIM H & G, UPDATED DATE CODE NO. | 04/14/2015 | Roger Tsai |
| C         | NE-17286 | ADD CARD DIMENSION                                                         | 11/10/2017 | Roger Tsai |



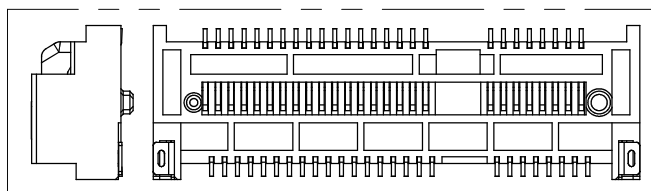
SECTION A-A



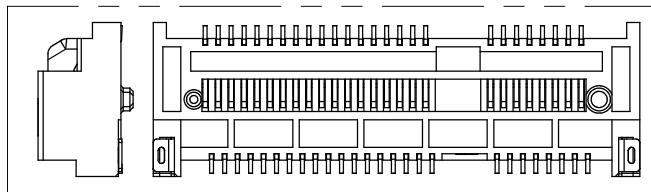
DIM A  
HEIGHT  
9.2MM



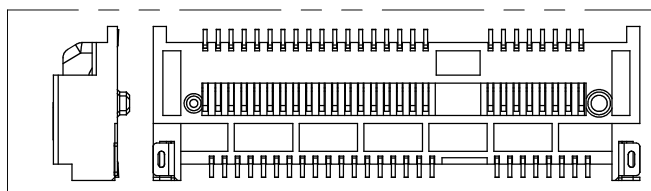
DIM A  
HEIGHT  
8.0MM



DIM A  
HEIGHT  
5.6MM

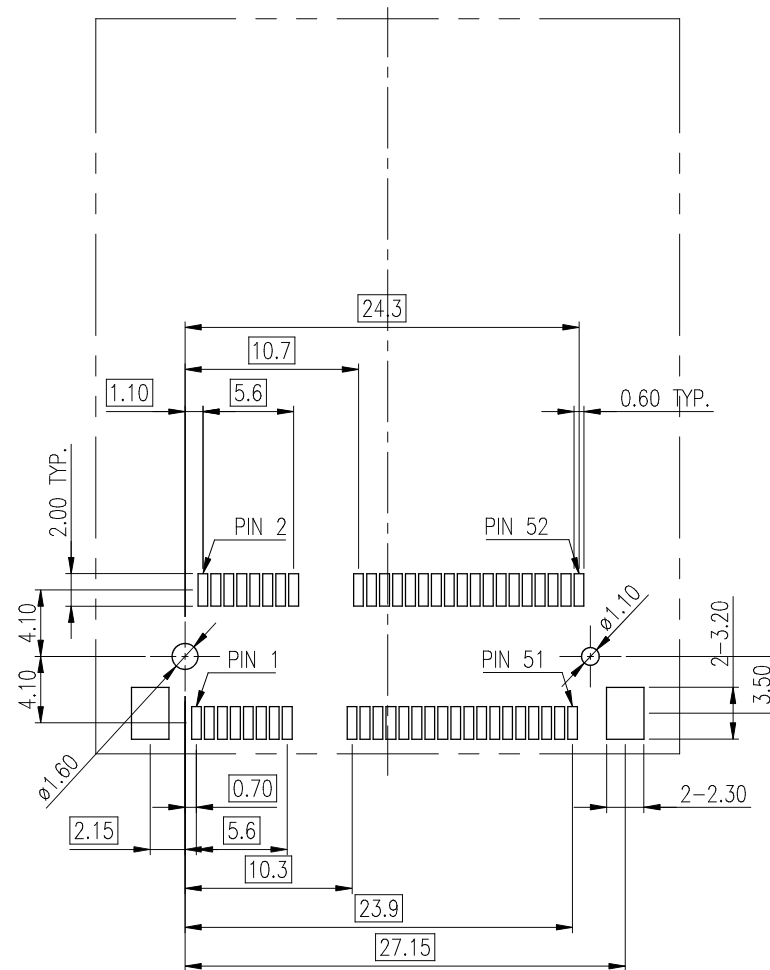


DIM A  
HEIGHT  
5.2MM

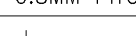


DIM A  
HEIGHT  
4.0MM

BOTTOM VIEW OPTION



GENERAL TOLERANCE:  $\pm 0.05\text{mm}$   
RECOMMEND PC BOARD LAYOUT

| TOLERANCE                                    |  | APPROVALS              |  | DATE                 | TITLE                                                                                 |                 |                            | <div>Amphenol®</div> <div>Amphenol Corporation</div> <div>Amphenol Taiwan Corporation</div> |  |  |                             |  |
|----------------------------------------------|--|------------------------|--|----------------------|---------------------------------------------------------------------------------------|-----------------|----------------------------|---------------------------------------------------------------------------------------------|--|--|-----------------------------|--|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 |  | DRAWN<br>Karen Su      |  | 11/10/2017           |                                                                                       |                 |                            |                                                                                             |  |  |                             |  |
|                                              |  | CHECKED<br>Aqua Chou   |  | 11/10/2017           | G633A SERIES<br>MINI PCI-E SOCKET, 52 POS.<br>0.8MM PITCH, R/A SMT TYPE               |                 |                            |                                                                                             |  |  |                             |  |
|                                              |  | APPROVED<br>Roger Tsai |  | 11/10/2017           |                                                                                       |                 |                            |                                                                                             |  |  |                             |  |
| ANGULAR ±1°                                  |  |                        |  |                      |  | UNIT<br>mm      | SIZE<br>A3                 |                                                                                             |  |  | PART No.<br>G633A0520XX2YEU |  |
| UNLESS OTHERWISE SPECIFIED                   |  | DWG TYPE<br>CUST DWG   |  | PROJECT CODE<br>SLOT | SCALE<br>NA                                                                           | SHEET<br>2 OF 4 | DWG No.<br>G633A0520XX2YEU |                                                                                             |  |  | REV.<br>C                   |  |

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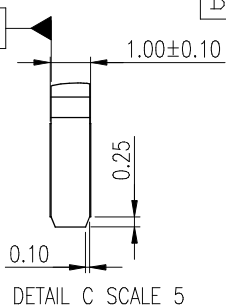
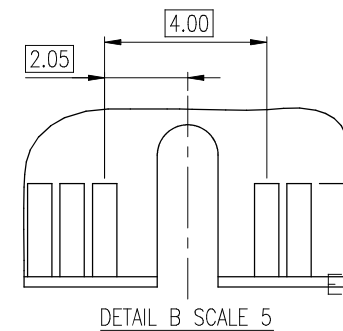
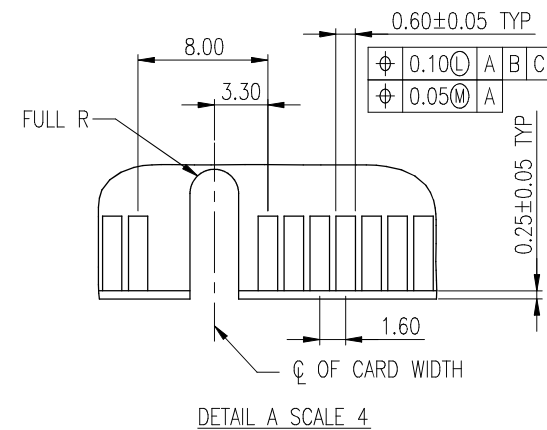
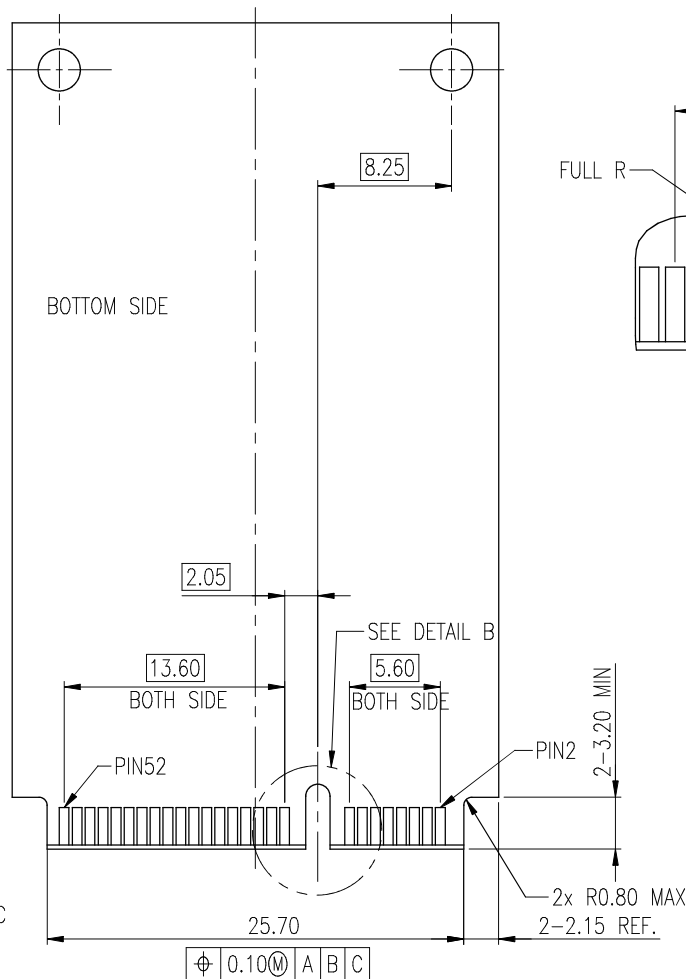
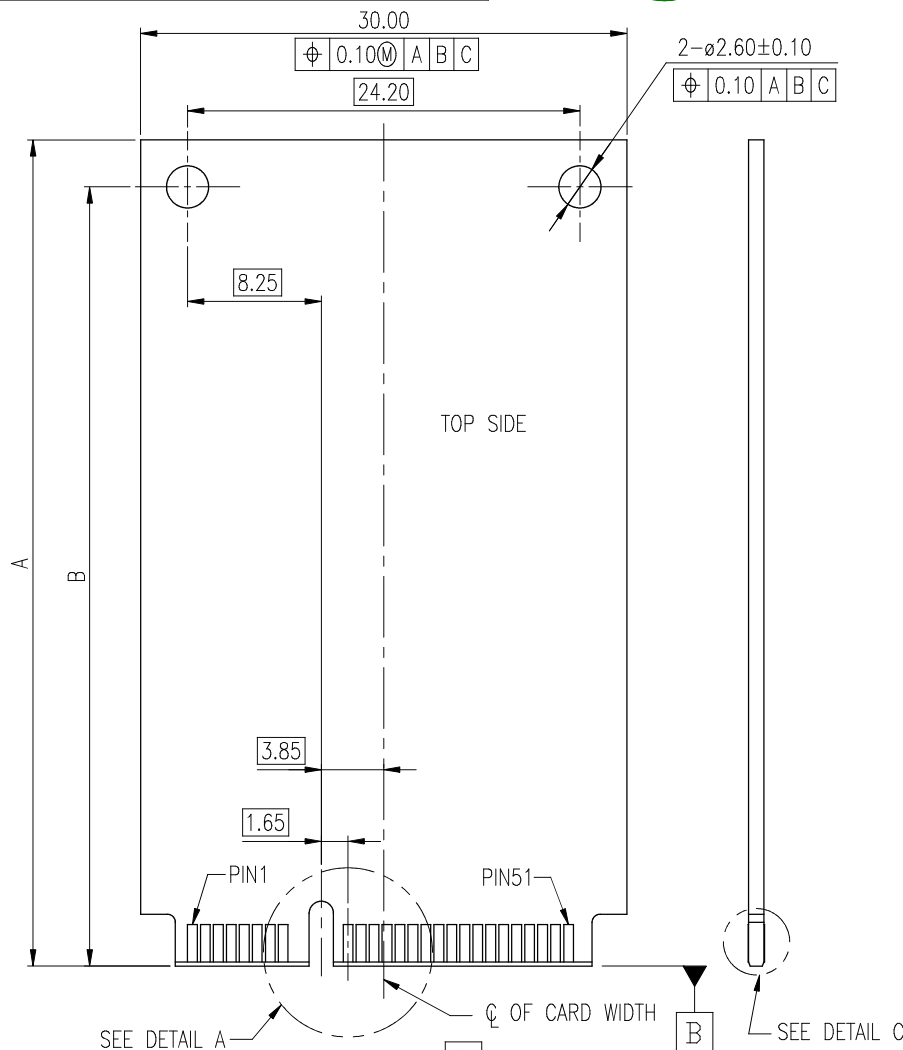
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ORIGINAL



| REVISIONS |          |                                                                            |            |            |
|-----------|----------|----------------------------------------------------------------------------|------------|------------|
| SYM       | ECN No.  | DESCRIPTION                                                                | DATE       | APPROVED   |
| A         |          | RELEASE REVISION                                                           | 09/28/2011 | Roger Tsai |
| B         | NE-15040 | ADDED PIN DEFINITION, BOTTOM VIEW OPTION, DIM H & G, UPDATED DATE CODE NO. | 04/14/2015 | Roger Tsai |
| C         | NE-17286 | ADD CARD DIMENSION                                                         | 11/10/2017 | Roger Tsai |



| CARD KIND   | DIM"A" | DIM"B" |
|-------------|--------|--------|
| LONGER CARD | 50.95  | 20.95  |
| SHORT CARD  | 48.05  | 18.05  |

| TOLERANCE                  |  | APPROVALS           |  | DATE                    |  | TITLE                      |  | PART No.        |  | REV.         |  |
|----------------------------|--|---------------------|--|-------------------------|--|----------------------------|--|-----------------|--|--------------|--|
| X. ±0.30                   |  | DRAWN Karen Su      |  | 11/10/2017              |  | G633A SERIES               |  | G633A0520XX2YEU |  | C            |  |
| X.X ±0.20                  |  | CHECKED Aqua Chou   |  | 11/10/2017              |  | MINI PCI-E SOCKET, 52 POS. |  | G633A0520XX2YEU |  | C            |  |
| X.XXX ±0.10                |  | APPROVED Roger Tsai |  | 11/10/2017              |  | 0.8MM PITCH, R/A SMT TYPE  |  | G633A0520XX2YEU |  | C            |  |
| ANGULAR ±1°                |  | DWG TYPE CUST DWG   |  | PROJECT CODE SLOT       |  | UNIT mm                    |  | SIZE A3         |  | SHEET 3 OF 4 |  |
| UNLESS OTHERWISE SPECIFIED |  | SCALE NA            |  | DWG No. G633A0520XX2YEU |  | SCALE NA                   |  | SHEET 3 OF 4    |  | REV. C       |  |

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.

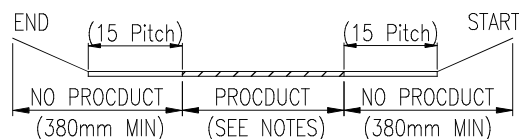


# ORIGINAL

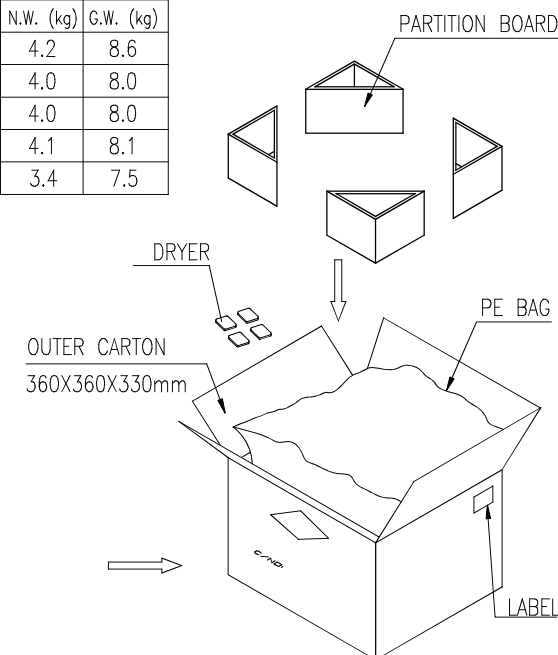
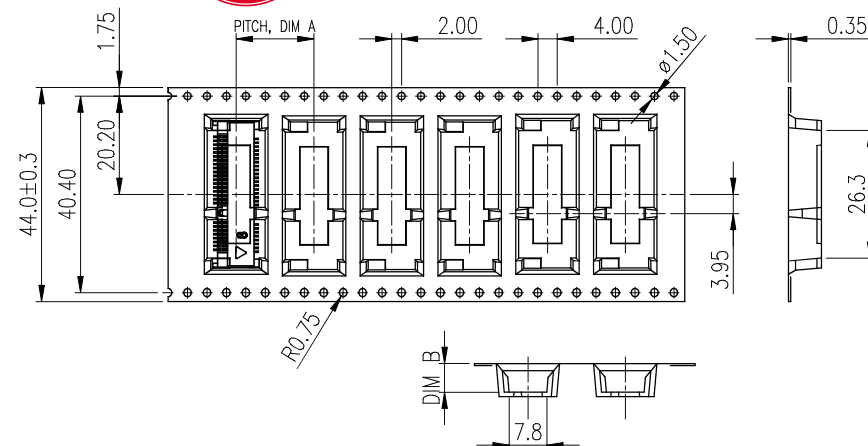
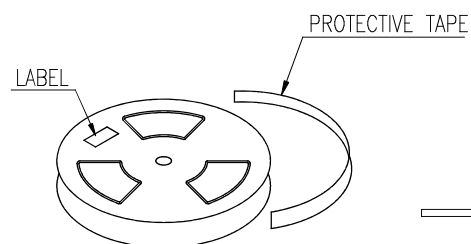


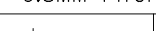
Technical drawing of a magnetic tape reel. The front view (left) shows a circular reel with a central hub and four spokes. Dimensions include an outer diameter of  $\varnothing 330$  and an inner diameter of  $\varnothing 100$ . An arrow indicates the "Unreeling direction" to the right. Labels include "CARRIER TAPE" pointing to the tape on the reel, "COVER TAPE" pointing to the outer tape layer, and "REEL" pointing to the central hub. The side view (right) shows the profile of the reel and tape, with a dimension of 44.0 indicating the tape thickness or reel width.

| PRODUCT NO.       | HEIGHT | DIM A | DIM B | REEL    | OUTER CARTON | N.W. (kg) | G.W. (kg) |
|-------------------|--------|-------|-------|---------|--------------|-----------|-----------|
| G633A0520X 1 2YEU | (4.0H) | 16.0  | 4.3   | 700 PCS | 4200 PCS     | 4.2       | 8.6       |
| G633A0520X 2 2YEU | (5.2H) | 16.0  | 5.5   | 600 PCS | 3600 PCS     | 4.0       | 8.0       |
| G633A0520X 3 2YEU | (5.6H) | 16.0  | 5.9   | 550 PCS | 3300 PCS     | 4.0       | 8.0       |
| G633A0520X 4 2YEU | (8.0H) | 16.0  | 8.3   | 400 PCS | 2400 PCS     | 4.1       | 8.1       |
| G633A0520X 7 2YEU | (9.2H) | 20.0  | 9.5   | 300 PCS | 1800 PCS     | 3.4       | 7.5       |



1. MATERIAL CARRIER: PS BLACK
2. PEELING FORCE OF COVER TAPE: 20g~80g.



|                                              |                      |                      |            |                                                                                                                                                                  |    |       |                                                                  |         |                 |
|----------------------------------------------|----------------------|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------------------------------------------------------------------|---------|-----------------|
| TOLERANCE                                    |                      | APPROVALS            | DATE       | TITLE                                                                                                                                                            |    |       | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |         |                 |
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 | DRAWN                | Karen Su             | 11/10/2017 | G633A SERIES<br>MINI PCI-E SOCKET, 52 POS.<br>0.8MM PITCH, R/A SMT TYPE<br> |    |       | PART No. G633A0520XX2YEU                                         |         |                 |
|                                              | CHECKED              | Aqua Chou            | 11/10/2017 |                                                                                                                                                                  |    |       |                                                                  |         |                 |
|                                              | APPROVED             | Roger Tsai           | 11/10/2017 |                                                                                                                                                                  |    |       |                                                                  |         |                 |
| ANGULAR ±1°                                  |                      |                      |            | UNIT                                                                                                                                                             | mm | SIZE  | A3                                                               |         |                 |
| UNLESS OTHERWISE SPECIFIED                   | DWG TYPE<br>CUST DWG | PROJECT CODE<br>SLOT |            | SCALE                                                                                                                                                            | NA | SHEET | 4 OF 4                                                           | DWG No. | G633A0520XX2YEU |
|                                              |                      |                      |            |                                                                                                                                                                  |    | REV.  | C                                                                |         |                 |