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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.



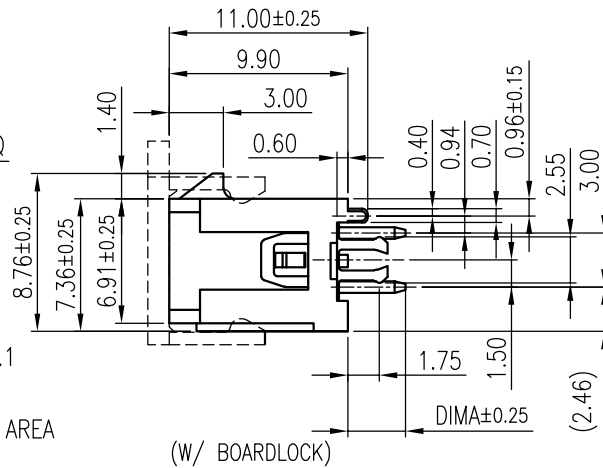
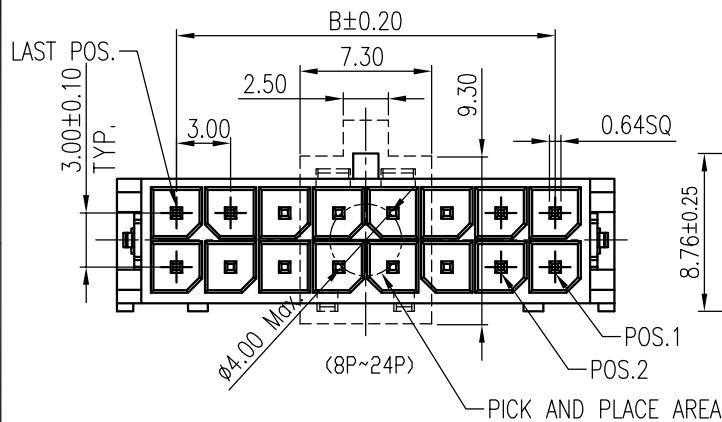
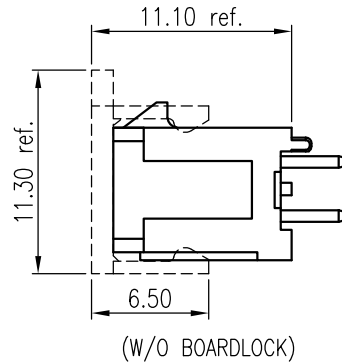
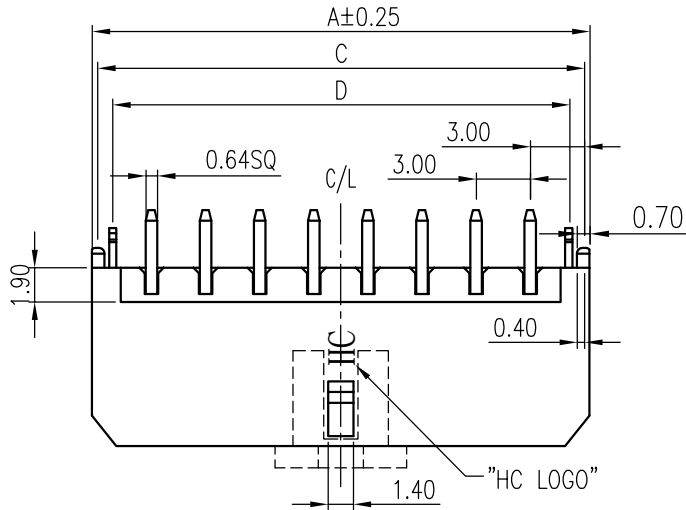
ORIGINAL



| REVISIONS |          |   |            |             |
|-----------|----------|---|------------|-------------|
| SYM       | ECN No.  | DESCRIPTION   | DATE       | BY          |
| B         | NE-17213 | ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE                         | 2017-08-07 | Karen Su    |
| C         | NE-18163 | UPDATE PACKING DRAWING  | 2018-08-07 | Debby Hung  |
| D         | NE-19204 | ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND DELETE DIM. 0.06                       | 2020-04-09 | Juda Liu    |
| E         | NE-20177 | ADD P/N PACKAGNR OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20                         | 2020-12-09 | Juda Liu    |
| F         | NE-21222 | ADD TAIL LENGTH OPTION 1.60 & 3.60 MM   | 2021-11-30 | Karen Su    |
| A1        | NE-23075 | ADDED "UL CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46 | 2023-03-30 | Bruce Huang |

NOTE:

- MATERIAL  
INSULATOR: HIGH TEMP. THERMOPLASTIC, OPTIONS, UL 94V-0, COLOR OPTIONS  
PLASTIC UL CERTIFICATION: E106764  
CONTACT MATERIAL: HIGH PERFORMANCE COPPER ALLOY.  
BOARDLOCK: COPPER ALLOY.
- FINISH:  
CONTACT: SELECTIVE PLATING. ;  
SOLDERING AREA: MATTE TIN 100u" MIN. OR GOLD PLATING;  
UNDER PLATING: NICKEL PLATING 50 μ" THICKNESS MIN.OVERALL.  
BOARDLOCK:  
MATTE TIN 100u" MIN. PLATING;  
UNDER PLATING: NICKEL PLATING 50 μ" THICKNESS MIN.OVERALL.
- THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS PER DIRECTIVE 2011/65/EU & 2015/863/EU FOR RoHS COMPLIANT. AND PER IEC 61249-2-21 FOR HALOGEN-FREE COMPLIANT.
- PACKING MUST BE PER Amphenol PACKING SPECIFICATION
- TO ENSURE CURRENT RATING CAPABILITY, AMPHENOL HIGH CURRENT PART NUMBERS IN THE CHART ARE RECOMMENDED.  
(G88MPH CABLE HOUSING SERIES WITH G88MPC CABLE TERMINAL SERIES)
- PRODUCT SPECIFICATION REFER TO : PS-7528.
- TEST SUMMARY REFER TO : TS-7528-001.



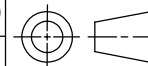
|                                     |  |   |  |  |  |
|-------------------------------------|--|---|--|--|--|
| PART NO. G88MPXX1X2XXXREU           |  | No. OF CIRCUIT                            |  | VARIATION CODE                                     |  |
| CONTACT & SOLDERING FINISH          |  | NONE: NO CLIPPING SPACE (REFER TO PAGE.4) |  | 1: FOR CLIPPING SPACE (WITHOUT CAP) (REFER PAGE.5) |  |
| 0:100u" MATTE TIN PLATING (OVERALL) |  | 1:GOLD FLASH (OVERALL)                    |  | 2:15u" GOLD PLATING/100u" MATTE TIN                |  |
| 3:30u" GOLD PLATING/100u" MATTE TIN |  | INSULATOR                                 |  | BOARD MOUNT / CAP                                  |  |
|                                     |  | 0: LCP (BLACK) ,DIM A=2.10                |  | C: WITH BOARDLOCK / WITH CAP                       |  |
|                                     |  | 1: LCP (NATURAL) ,DIM A=2.10              |  | D: WITHOUT BOARDLOCK / WITH CAP                    |  |
|                                     |  | 2: LCP (NATURAL) ,DIM A=2.60              |  | 1: WITH BOARDLOCK / WITHOUT CAP                    |  |
|                                     |  | 3: LCP (NATURAL) ,DIM A=1.60              |  | 2: WITHOUT BOARDLOCK / WITHOUT CAP                 |  |
|                                     |  | 4: LCP (BLACK) ,DIM A=1.60                |  |  |  |
|                                     |  | 5: LCP (BLACK) ,DIM A=3.60                |  |  |  |
|                                     |  | 6: LCP (NATURAL) ,DIM A=3.60              |  |  |  |
|                                     |  | 7: LCP (NATURAL) ,DIM A=3.20              |  |  |  |
|                                     |  | 8: LCP (BLACK) ,DIM A=3.20                |  |  |  |
|                                     |  | 9: LCP (BLACK) ,DIM A=2.60                |  |  |  |

| POS | A     | B     | C     | D    | POS | A     | B     | C     | D    |
|-----|-------|-------|-------|------|-----|-------|-------|-------|------|
| 02  | 6.60  | 3.00  | 6.00  | 4.3  | 14  | 24.60 | 18.00 | 24.00 | 22.3 |
| 04  | 9.60  | 3.00  | 9.00  | 7.3  | 16  | 27.60 | 21.00 | 27.00 | 25.3 |
| 06  | 12.60 | 6.00  | 12.00 | 10.3 | 18  | 30.60 | 24.00 | 30.00 | 28.3 |
| 08  | 15.60 | 9.00  | 15.00 | 13.3 | 20  | 33.60 | 27.00 | 33.00 | 31.3 |
| 10  | 18.60 | 12.00 | 18.00 | 16.3 | 22  | 36.60 | 30.00 | 36.00 | 34.3 |
| 12  | 21.60 | 15.00 | 21.00 | 19.3 | 24  | 39.60 | 33.00 | 39.00 | 37.3 |

| TOLERANCE                  | APPROVALS            | DATE             |
|----------------------------|----------------------|------------------|
| X. ±0.30                   | DRAWN Bruce Huang    | 2023-03-30       |
| X.X ±0.20                  | CHECKED Joseph Jiang | 2023-03-30       |
| X.XXX ±0.10                | APPROVED Roger Tsai  | 2023-03-30       |
| ANGULAR ±1°                | DWG TYPE CUST DWG    | PROJECT CODE PHD |
| UNLESS OTHERWISE SPECIFIED |                      |                  |

| TITLE  |  | UNIT     |  | SIZE         |  | PART No.                 |  |
|--|--|----------|--|--------------|--|--------------------------|--|
| G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING) |  | mm       |  | A3           |  | G88MPXX1X2XXXREU         |  |
| UNLESS OTHERWISE SPECIFIED   |  | SCALE NA |  | SHEET 1 OF 5 |  | DWG No. G88MPXX1X2XXXREU |  |
|  |  |          |  |              |  | REV. A1                  |  |

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Amphenol Taiwan Corporation

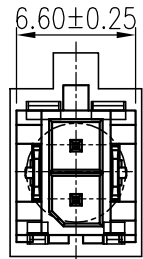


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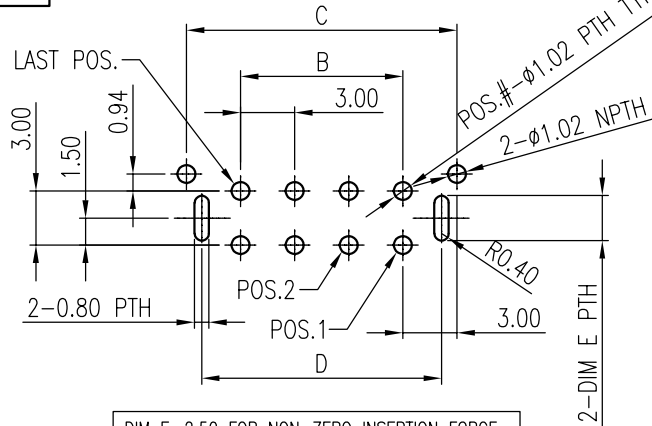
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

ORIGINAL

| REVISIONS |          |   |            |             |  |
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| SYM       | ECN No.  | DESCRIPTION   | DATE       | BY          |  |
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| C         | NE-18163 | UPDATE PACKING DRAWING  | 2018-08-07 | Debby Hung  |  |
| D         | NE-19204 | ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOLPROOF AND DELETE DIM. 0.06                       | 2020-04-09 | Juda Liu    |  |
| E         | NE-20177 | ADD P/N PACKAGINR OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20                        | 2020-12-09 | Juda Liu    |  |
| F         | NE-21222 | ADD TAIL LENGTH OPTION 1.60 & 3.60 MM   | 2021-11-30 | Karen Su    |  |
| A1        | NE-23075 | ADDED "UL CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46 | 2023-03-30 | Bruce Huang |  |

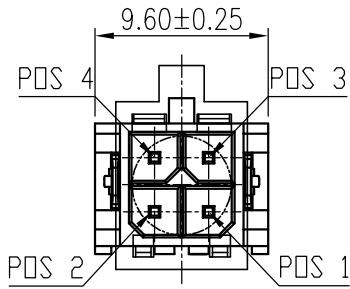


(2X1POS)

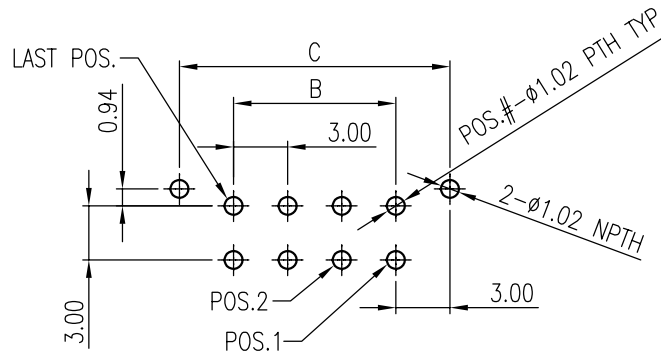


DIM E: 2.50 FOR NON-ZERO INSERTION FORCE  
 DIM E: 3.00 FOR ZERO INSERTION FORCE  
 02~24P (W/BOARDLOCK FOR PCB t=1.60)

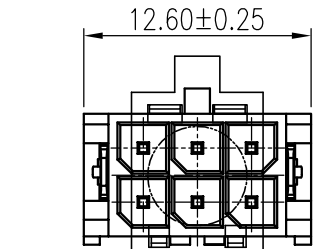
RECOMMENDED PCB LAYOUT  
 (ALL TOLERANCE ±0.05)



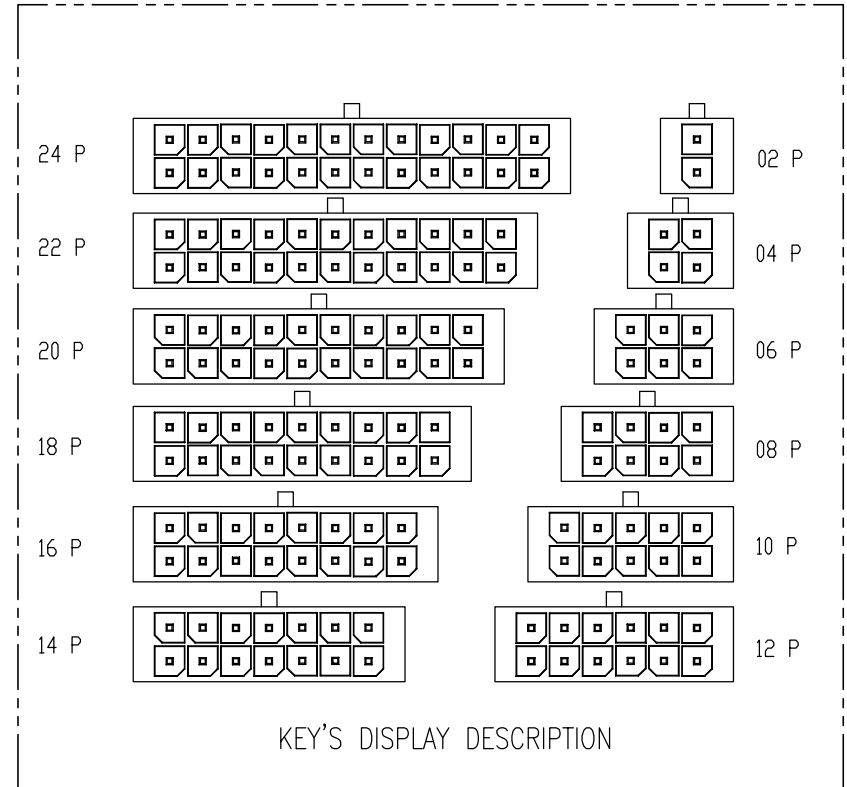
(2X2POS)



02~24P (W/O BOARDLOCK)  
 RECOMMENDED PCB LAYOUT  
 (ALL TOLERANCE ±0.05)



(2X3POS)



| TOLERANCE   | APPROVALS              | DATE       | TITLE  |  | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |                 |                           |                     |
|-------------|------------------------|------------|--|--|--|-----------------|---------------------------|---------------------|
| X. ±0.30    | DRAWN<br>Bruce Huang   | 2023-03-30 | G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING) |  | UNIT<br>mm   | SIZE<br>A3      | PART No. G88MPXX1X2XXXREU |                     |
| X.X ±0.20   |                        |            |  |  |  |                 | CHECKED<br>Joseph Jiang   | 2023-03-30          |
| X.XX ±0.10  | APPROVED<br>Roger Tsai | 2023-03-30 | UNLESS OTHERWISE SPECIFIED   |  | SCALE<br>NA  | SHEET<br>2 OF 5 |                           |                     |
| ANGULAR ±1° |                        |            |  |  |  |                 | DWG TYPE<br>CUST DWG      | PROJECT CODE<br>PHD |

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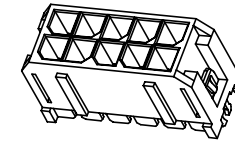


ORIGINAL

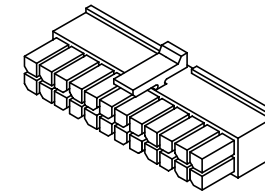


| REVISIONS |          |   |            |             |
|-----------|----------|---|------------|-------------|
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| C         | NE-18163 | UPDATE PACKING DRAWING  | 2018-08-07 | Debby Hung  |
| D         | NE-19204 | ADD TOP, SIDE VIEW, PTH, NPTH, CAP FOOTPROOF AND DELETE DIM. 0.06                   | 2020-04-09 | Juda Liu    |
| E         | NE-20177 | ADD P/N PACKAGING OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20                        | 2020-12-09 | Juda Liu    |
| F         | NE-21222 | ADD TAIL LENGTH OPTION 1.60 & 3.60 MM   | 2021-11-30 | Karen Su    |
| A1        | NE-23075 | ADDED "UL CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46 | 2023-03-30 | Bruce Huang |

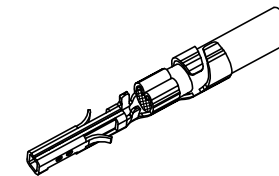
| POS. | BOARD-MOUNT P/N  | CABLE HOUSING P/N | CABLE TERMINAL P/N | AWG NO.   | PLATING OPTIONS              |
|------|------------------|-------------------|--------------------|-----------|------------------------------|
| 02   | G88MP021X2XXXREU | G88MPH0222CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 04   | G88MP041X2XXXREU | G88MPH0422CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 06   | G88MP061X2XXXREU | G88MPH0622CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 08   | G88MP081X2XXXREU | G88MPH0822CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 10   | G88MP101X2XXXREU | G88MPH1022CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 12   | G88MP121X2XXXREU | G88MPH1222CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 14   | G88MP141X2XXXREU | G88MPH1422CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 16   | G88MP161X2XXXREU | G88MPH1622CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 18   | G88MP181X2XXXREU | G88MPH1822CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 20   | G88MP201X2XXXREU | G88MPH2022CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 22   | G88MP221X2XXXREU | G88MPH2222CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |
| 24   | G88MP241X2XXXREU | G88MPH2422CEU     | G88MPC0232XCEU     | AWG#16~18 | 0: TIN 100u" ; 1: FLASH GOLD |
|      |                  |                   | G88MPC0X32CEU      | AWG#20~30 | 2: 15u" GOLD ; 3: 30u" GOLD  |



AMPHENOL BOARD-MOUNT



AMPHENOL CABLE HOUSING



AMPHENOL CABLE TERMINAL

NOTE:  
TO ENSURE CURRENT RATING CAPABILITY, AMPHENOL HIGH CURRENT PART NUMBERS IN THE CHART ARE RECOMMENDED.

(G88MPH CABLE HOUSING SERIES WITH G88MPC CABLE TERMINAL SERIES)

| TOLERANCE   |       | APPROVALS                  |              | DATE       | TITLE |     | G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING) |     |       |        |          |                  |                  |  |
|-------------|-------|----------------------------|--------------|------------|-------|-----|--|-----|-------|--------|----------|------------------|------------------|--|
| X.X         | ±0.30 | DRAWN                      | Bruce Huang  | 2023-03-30 |       |     | UNIT   | mm  | SIZE  | A3     | PART No. | G88MPXX1X2XXXREU |                  |  |
| X.XX        | ±0.20 | CHECKED                    | Joseph Jiang | 2023-03-30 |       |     | SCALE  | NA  | SHEET | 3 OF 5 |          | DWG No.          | G88MPXX1X2XXXREU |  |
| X.XXX       | ±0.10 | APPROVED                   | Roger Tsai   | 2023-03-30 |       |     | PROJECT CODE   | PHD |       | REV.   | A1       |                  |                  |  |
| ANGULAR ±1° |       | UNLESS OTHERWISE SPECIFIED |              | CUST DWG   |       | PHD |  |     |       |        |          |                  |                  |  |

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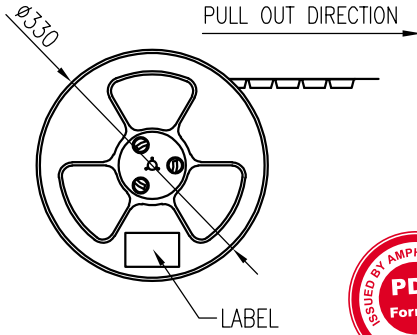
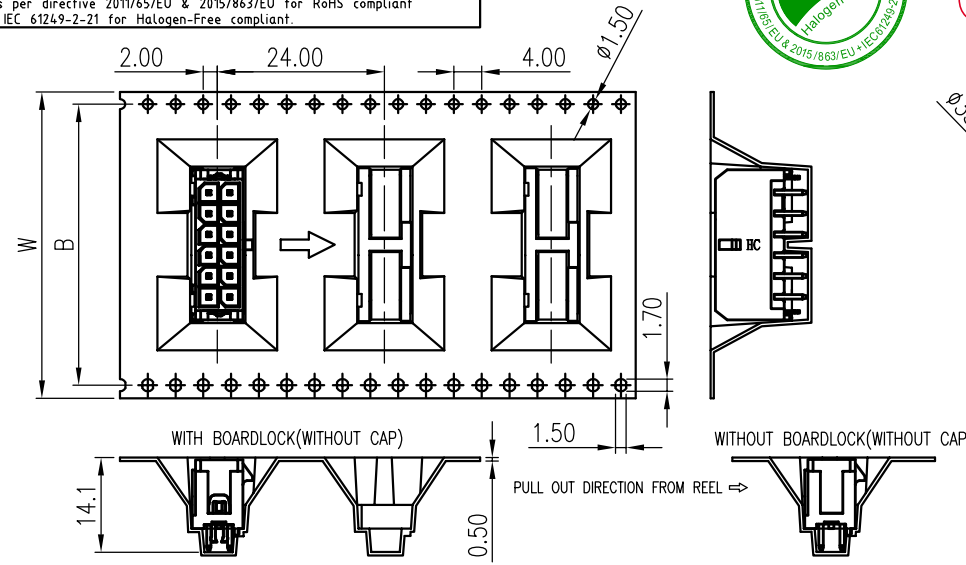
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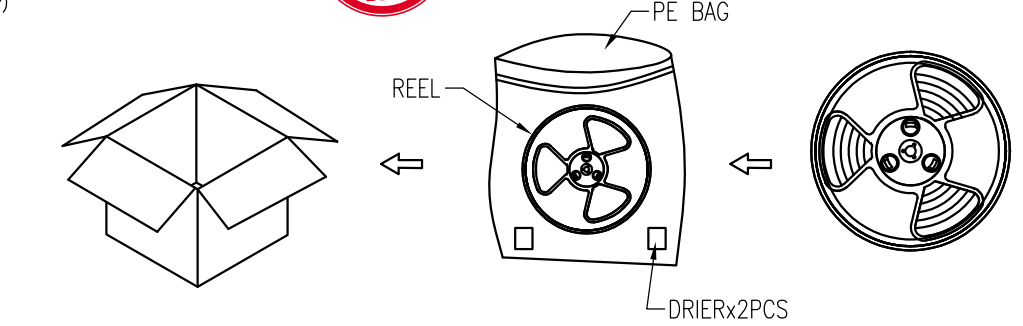
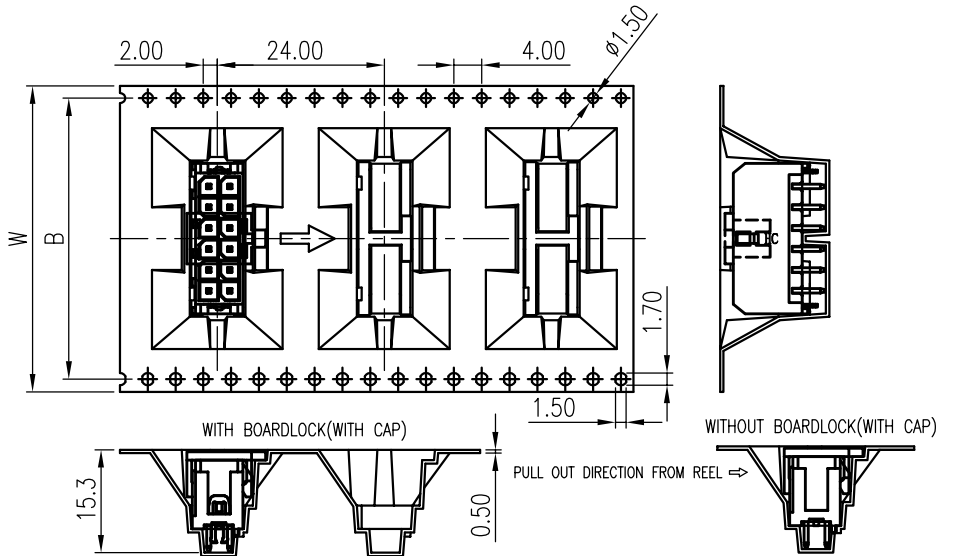


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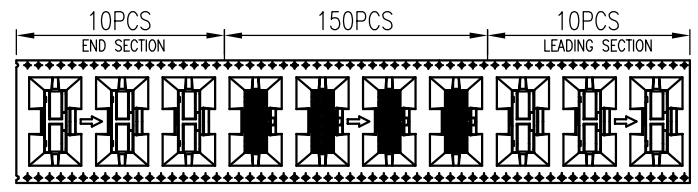
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- NOTE:
- MATERIAL : BLACK CONDUCTIVE POLYSTYRENE ALLOY
  - ALL DIMENSIONS MEET EIA-481-D REQUIREMENTS.
  - THICKNESS : 0.50±0.05mm.



| P/N (NO CLIPPING SPACE) | W(mm) | B(mm) | PCS/REEL | PCS/CARTON |
|-------------------------|-------|-------|----------|------------|
| G88MP021X2XXREU         | 32    | 28.4  | 150      | 900        |
| G88MP041X2XXREU         | 44    | 40.4  | 150      | 600        |
| G88MP061X2XXREU         |       |       |          |            |
| G88MP081X2XXREU         |       |       |          |            |
| G88MP101X2XXREU         | 72    | 68.4  | 150      | 450        |
| G88MP121X2XXREU         |       |       |          |            |
| G88MP141X2XXREU         |       |       |          |            |
| G88MP161X2XXREU         |       |       |          |            |
| G88MP181X2XXREU         |       |       |          |            |
| G88MP201X2XXREU         |       |       |          |            |
| G88MP221X2XXREU         |       |       |          |            |
| G88MP241X2XXREU         |       |       |          |            |



| TOLERANCE                  | APPROVALS            | DATE             |
|----------------------------|----------------------|------------------|
| X. ±0.30                   | DRAWN Bruce Huang    | 2023-03-30       |
| X.X ±0.20                  | CHECKED Joseph Jiang | 2023-03-30       |
| X.XX ±0.10                 | APPROVED Roger Tsai  | 2023-03-30       |
| ANGULAR ±1°                | DWG TYPE CUST DWG    | PROJECT CODE PHD |
| UNLESS OTHERWISE SPECIFIED |                      |                  |

TITLE: G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)

Amphenol®  
Amphenol Corporation  
Amphenol Taiwan Corporation

UNIT mm SIZE A3 PART No. G88MPXX1X2XXXREU  
SCALE NA SHEET 4 OF 5 DWG No. G88MPXX1X2XXXREU REV. A1

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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant and per IEC 61249-2-21 for Halogen-Free compliant.

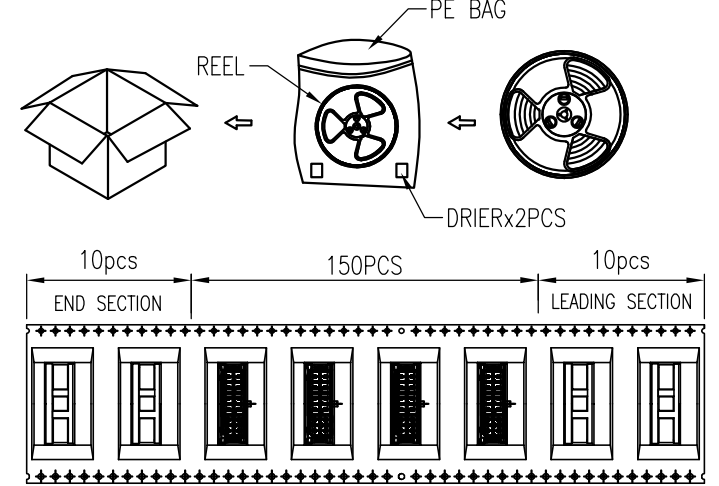
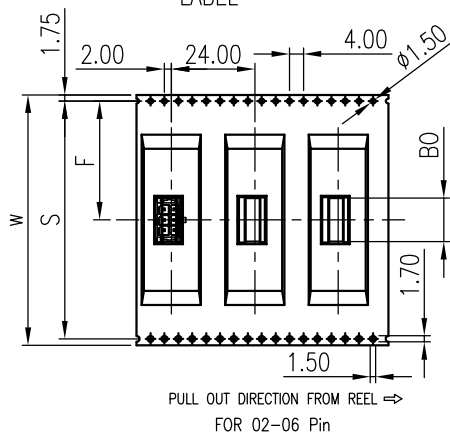
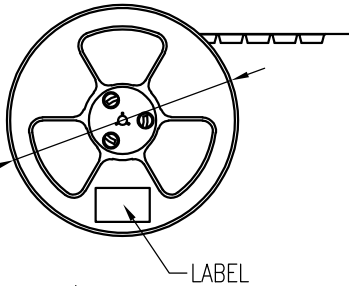
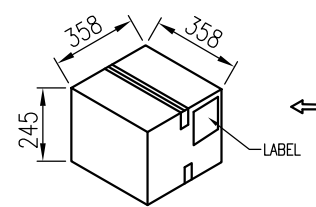
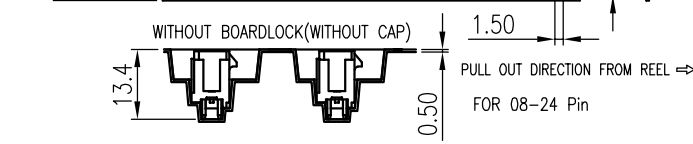
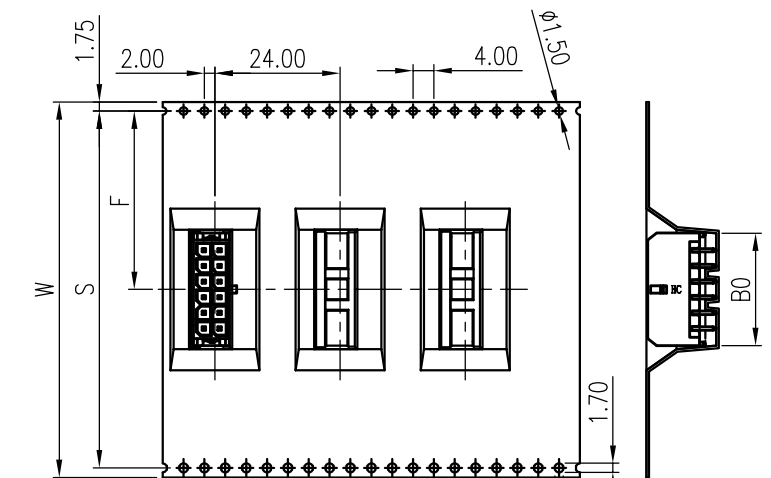
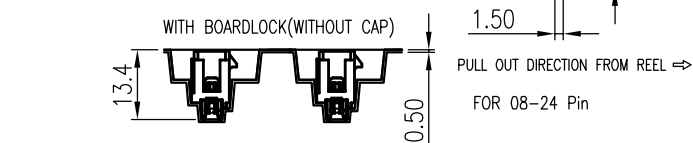
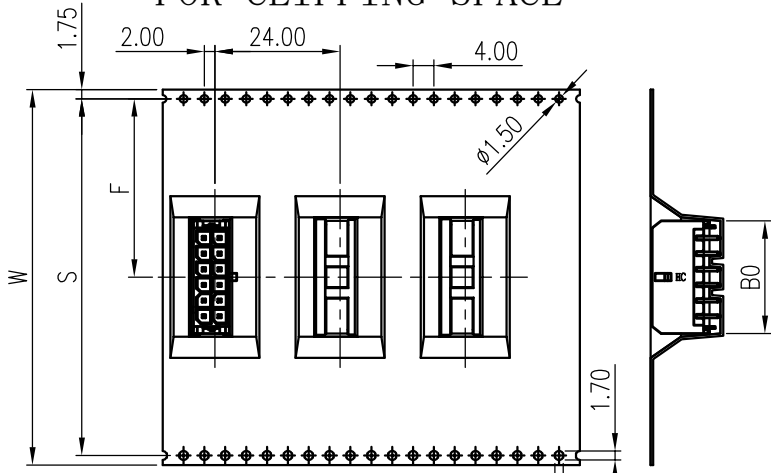


ORIGINAL



| REVISIONS |          |   |            |             |  |
|-----------|----------|---|------------|-------------|--|
| SYM       | ECN No.  | DESCRIPTION   | DATE       | BY          |  |
| B         | NE-17213 | ADD MORE DIFFERENT SECTION(WITHOUT CAP) FOR THE T&R PACKAGE                         | 2017-08-07 | Karen Su    |  |
| C         | NE-18163 | UPDATE PACKING DRAWING  | 2018-08-07 | Debby Hung  |  |
| D         | NE-19204 | ADD TOP,SIDE VIEW,PTH,NPTH,CAP FOOTPROOF AND DELETE DIM. 0.06                       | 2020-04-09 | Juda Liu    |  |
| E         | NE-20177 | ADD P/N PACKAGNR OPTION FOR CLIPPING SPACE & DIM 2.20, 3.20                         | 2020-12-09 | Juda Liu    |  |
| F         | NE-21222 | ADD TAIL LENGTH OPTION 1.60 & 3.60 MM   | 2021-11-30 | Karen Su    |  |
| A1        | NE-23075 | ADDED "UL CERTIFICATION: E106764" TO NOTES. & CORRECTED DIM 0.70 & ADD REF DIM 2.46 | 2023-03-30 | Bruce Huang |  |

FOR CLIPPING SPACE



- NOTE:  
 1. MATERIAL : BLACK CONDUCTIVE POLYSTYRENE ALLOY  
 2. ALL DIMENSIONS MEET EIA-481-D REQUIREMENTS.  
 3. THICKNESS : 0.50±0.05mm.

| PART NO.<br>(FOR CLIPPING SPACE) | W    | B0    | S    | F    | PCS<br>REEL | REELS<br>CARTON | QUANTITY<br>(PCS) |     |
|----------------------------------|------|-------|------|------|-------------|-----------------|-------------------|-----|
| G88MP021X2XX1REU                 | 32.0 | 6.60  | 28.4 | 14.2 | 150         | 6               | 900               |     |
| G88MP041X2XX1REU                 | 72.0 | 9.60  | 68.4 | 34.2 | 150         | 3               | 450               |     |
| G88MP061X2XX1REU                 |      | 12.60 |      |      | 150         | 3               | 450               |     |
| G88MP081X2XX1REU                 |      | 21.60 |      |      | 150         | 3               | 450               |     |
| G88MP101X2XX1REU                 |      | 18.60 |      |      | 150         | 3               | 450               |     |
| G88MP121X2XX1REU                 |      | 21.60 |      |      | 150         | 3               | 450               |     |
| G88MP141X2XX1REU                 |      | 39.60 |      |      |             | 150             | 3                 | 450 |
| G88MP161X2XX1REU                 |      |       |      |      |             | 150             | 3                 | 450 |
| G88MP181X2XX1REU                 |      |       |      |      |             | 150             | 3                 | 450 |
| G88MP201X2XX1REU                 |      |       |      |      |             | 150             | 3                 | 450 |
| G88MP221X2XX1REU                 |      |       |      |      |             | 150             | 3                 | 450 |
| G88MP241X2XX1REU                 | 150  |       | 3    | 450  |             |                 |                   |     |

| TOLERANCE                  | APPROVALS            | DATE             |
|----------------------------|----------------------|------------------|
| X. ±0.30                   | DRAWN Bruce Huang    | 2023-03-30       |
| X.X ±0.20                  | CHECKED Joseph Jiang | 2023-03-30       |
| X.XX ±0.10                 | APPROVED Roger Tsai  | 2023-03-30       |
| ANGULAR ±1°                | DWG TYPE CUST DWG    | PROJECT CODE PHD |
| UNLESS OTHERWISE SPECIFIED |                      |                  |

**TITLE**  
 G88MP SERIES MICRO POWER PLUS, WAFER 3.00 MM PITCH STRAIGHT DIP, W/BLOCK (T&R PACKING)

**Amphenol**®  
 Amphenol Corporation  
 Amphenol Taiwan Corporation

UNIT mm SIZE A3 PART No. G88MPXX1X2XXXREU  
 SCALE NA SHEET 5 OF 5 DWG No. G88MPXX1X2XXXREU REV. A1