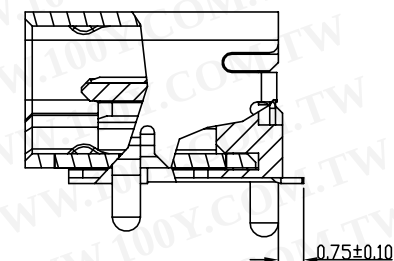
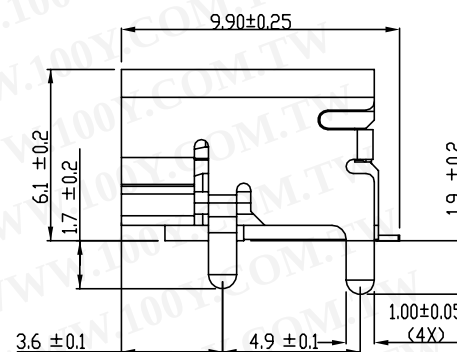
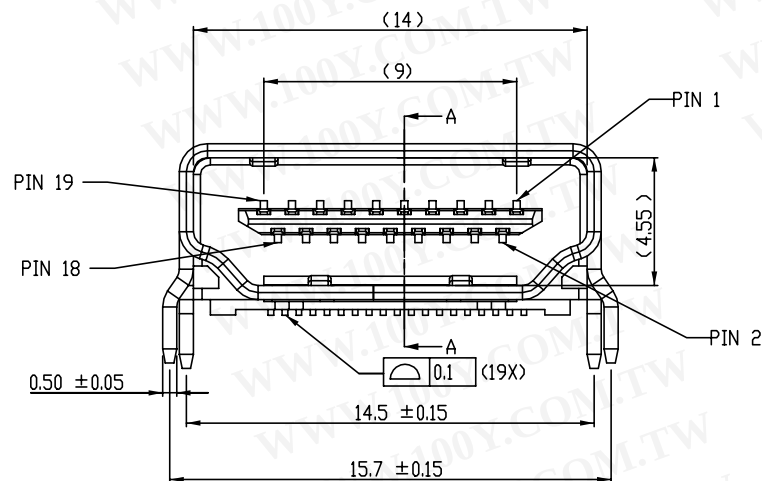
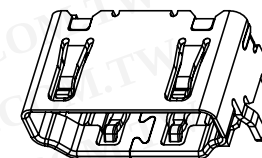
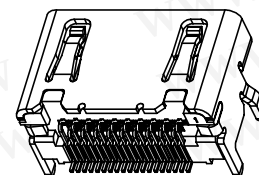
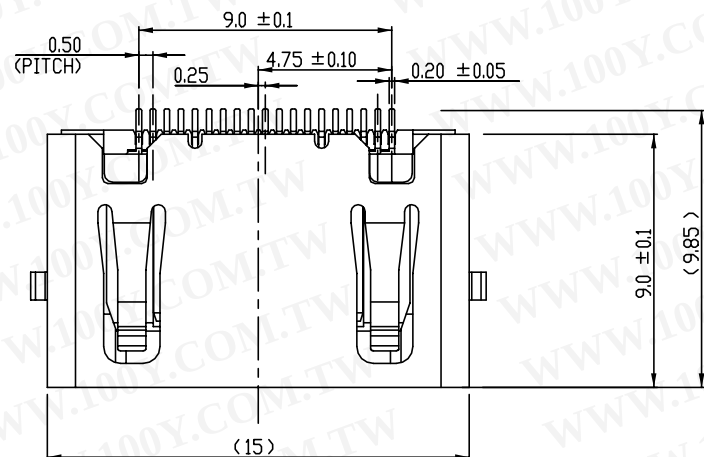


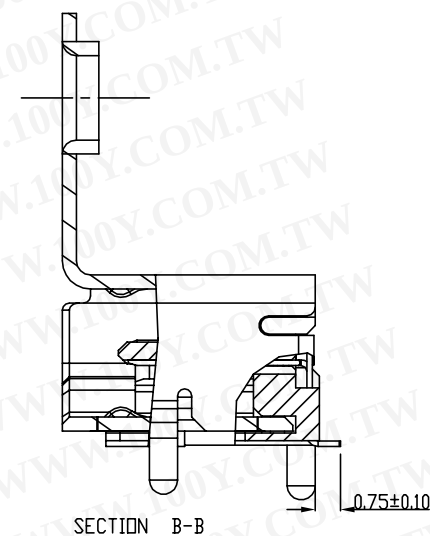
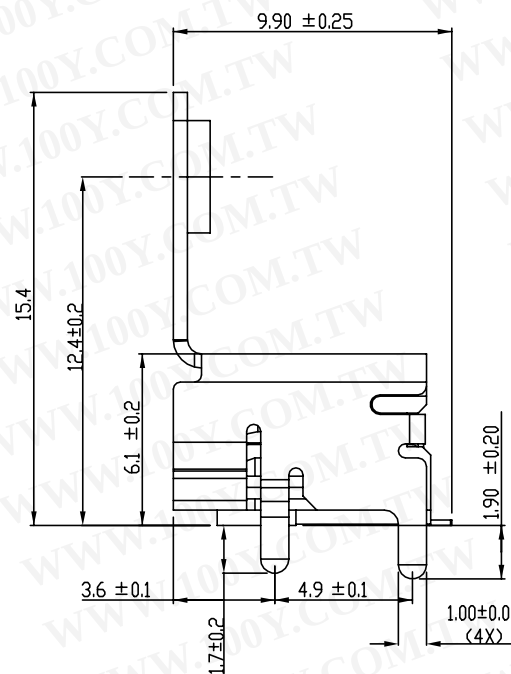
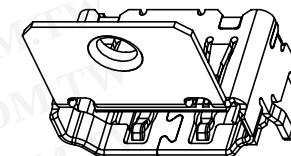
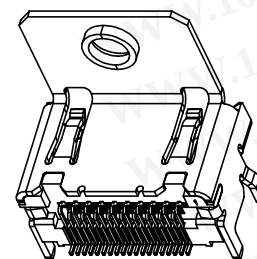
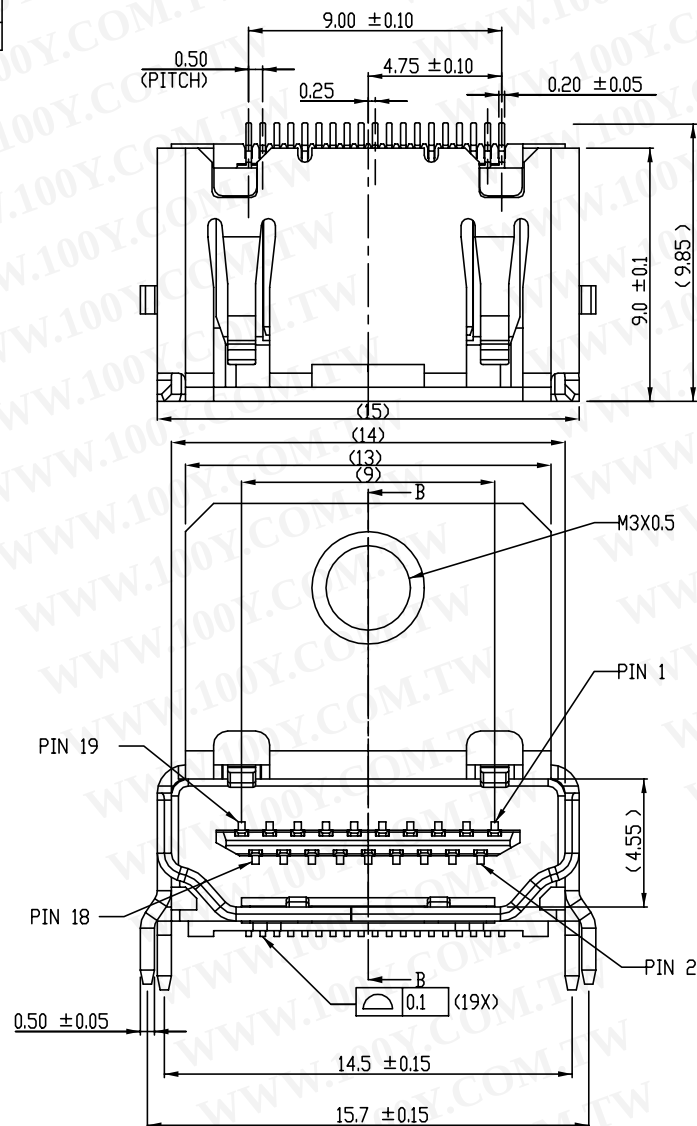
PRODUCT NO.  
10029449-X01XLF



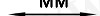
SECTION A-A

| mat'l. code |           |      |            | surface                               | tolerance   | projection | product family                |  |  |
|-------------|-----------|------|------------|---------------------------------------|-------------|------------|-------------------------------|--|--|
| ISO1302     |           |      |            | ISO1101                               | ISO406      |            | HDMI                          |  |  |
| ltr         | ecn       | nodr | date       | tolerances unless otherwise specified |             |            | title                         |  |  |
| M           | N09-0307  | SH   | 10/21/09   | angle                                 | .X±0.3      | MM         | HDMI TYPE A RECEPTACLE        |  |  |
| N           | N10-0033  | SH   | 02/01/10   |                                       | .XX±0.15    |            |                               |  |  |
| P           | N10-0201  | KW   | 2011-02-14 |                                       | .XXX±0.05   |            |                               |  |  |
| R           | N12-0001  | SH   | 2012-02-23 |                                       |             |            |                               |  |  |
| S           | N12-0003  | AZH  | 2012-06-13 | dr                                    | LEIF SHEN   | 10/15/04   | dwg no                        |  |  |
|             |           |      |            | enr                                   | LEIF SHEN   | 10/15/04   | sheet 1 of 5                  |  |  |
|             |           |      |            | chr                                   | PAUL WANG   | 10/15/04   | 10029449                      |  |  |
|             |           |      |            | app                                   | JOSEPH HSIA | 10/15/04   | A4                            |  |  |
| sheet       | revisions | s    | s          | s                                     | s           | s          | type Product Customer Drawing |  |  |
| index       | sheet     | 1    | 2          | 3                                     | 4           | 5          |                               |  |  |

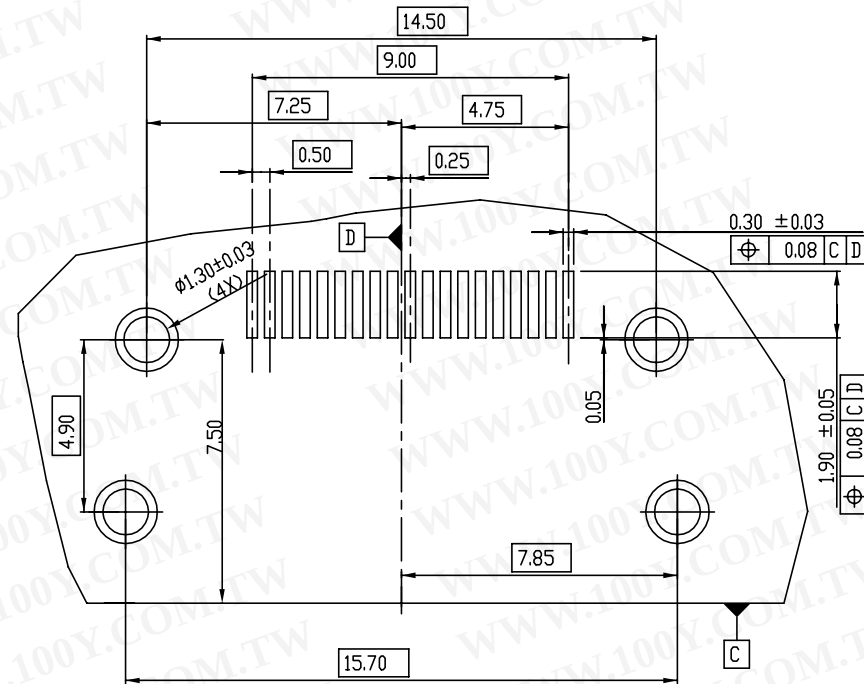
PRODUCT NO.  
10029449-002XLF



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|             |          |          |     |                      |  |                             |             |                                                                                                     |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
|-------------|----------|----------|-----|----------------------|--|-----------------------------|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|----------|--|-------------|--|-----|--|
| mat'l. code |          |          |     | surface<br>ISO1302 ✓ |  | tolerance<br>ISO1101 ISO406 |             | projection<br> |                                                                                       | product family<br>HDMI                                                                |                        |          |  |             |  |     |  |
| ltr         |          | ecn      |     | nodr                 |  | date                        |             | tolerances unless otherwise specified                                                               |                                                                                       |                                                                                       |                        | title    |  |             |  |     |  |
| M           | N09-0307 |          | SH  | 10/21/09             |  | angle<br>linear             | .X±0.3      |                                                                                                     |  |                                                                                       | HDMI TYPE A RECEPTACLE |          |  |             |  |     |  |
| N           | N10-0033 |          | SH  | 02/01/10             |  |                             | .XX±0.15    |                                                                                                     |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
| P           | N10-0201 |          | KW  | 2011-02-14           |  |                             | .XXX±0.05   |                                                                                                     |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
|             |          |          |     |                      |  |                             |             |                                                                                                     |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
| R           | N12-0001 |          | SH  | 2012-03-09           |  | dr                          | LEIF SHEN   | 10/15/04                                                                                            |                                                                                       |  |                        | dwg no   |  | sheet2 of 5 |  | siz |  |
| S           | N12-0003 |          | AZH | 2012-06-13           |  | engr                        | LEIF SHEN   | 10/15/04                                                                                            |                                                                                       |                                                                                       |                        | 10029449 |  | A4          |  |     |  |
|             |          |          |     |                      |  | chr                         | PAUL WANG   | 10/15/04                                                                                            |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
|             |          |          |     |                      |  | app                         | JOSEPH HSIA | 10/15/04                                                                                            |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
| sheet       |          | revision |     |                      |  |                             |             |                                                                                                     |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |
| index       |          | sheet    |     |                      |  |                             |             |                                                                                                     |                                                                                       |                                                                                       |                        |          |  |             |  |     |  |

| PRODUCT NO.     | CONTACT AREA PLATING | SHIELD FIGURE  | PACKING       |
|-----------------|----------------------|----------------|---------------|
| 10029449-001TLF | 30u" GXT MINIMUM     | WITHOUT FLANGE | TRAY          |
| 10029449-001RLF | 30u" GXT MINIMUM     | WITHOUT FLANGE | TAPE AND REEL |
| 10029449-101TLF | GOLD FLASH 3u" MIN   | WITHOUT FLANGE | TRAY          |
| 10029449-101RLF | GOLD FLASH 3u" MIN   | WITHOUT FLANGE | TAPE AND REEL |
| 10029449-002TLF | 30u" GXT MINIMUM     | WITH FLANGE    | TRAY          |
| 10029449-002RLF | 30u" GXT MINIMUM     | WITH FLANGE    | TAPE AND REEL |
| 10029449-002FLF | GOLD FLASH 3u" MIN   | WITH FLANGE    | TAPE AND REEL |



## NOTES:

## 1. MATERIAL

- 1-1 HOUSING: GLASS FIBER HIGH-TEMP. RESIN.(UL94V-0)  
 1-2 CONTACT: BRASS  
 1-3 SHELL : STEEL

## 2. FINISH

- 2-1 CONTACT : Ni UNDER PLATED ALL OVER 50u" MIN  
 CONTACT AREA SEE TABLE  
 2-2 SHELL : Ni 100u" MIN.

## 3. PACKAGING:

PACKAGING SPECIFICATION GS-14-939.

## 4. PRODUCT SPEC:

PRODUCT SPECIFICATION GS-12-309.

## 5. RoHS STANDARD SPECIFICATION ACCORDING TO FCI GS-22-008.

## 6. PARTS MEET REFLOW APPLICATION PEAK TEM. 260°C, 10 SECONDS MAX.

RECOMMENDED PCB PATTERN LAYOUT  
 (t=1.6mm)

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|             |          |          |     |            |  |                                                                                       |             |                                                                                       |                                                                                       |                |                                                                                       |       |              |      |    |
|-------------|----------|----------|-----|------------|--|---------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|-------|--------------|------|----|
| mat'l. code |          |          |     | surface    |  | tolerance                                                                             |             | projection                                                                            |                                                                                       | product family |                                                                                       |       |              |      |    |
|             |          |          |     | ISO1302 ✓  |  | ISO1101 ISO406                                                                        |             |  |                                                                                       | HDMI           |                                                                                       |       |              |      |    |
| ltr         |          | ecn      |     | nodr       |  | date                                                                                  |             | tolerances unless other                                                               |                                                                                       | wise specified |                                                                                       | title |              |      |    |
| M           | N09-0307 |          | SH  | 10/21/09   |  |  | .X±0.3      |                                                                                       |  |                | HDMI TYPE A RECEPTACLE                                                                |       |              |      |    |
| N           | N10-0033 |          | SH  | 02/01/10   |  |                                                                                       | .XX±0.15    |                                                                                       |                                                                                       |                |                                                                                       |       |              |      |    |
| P           | N10-0201 |          | KW  | 2011-02-14 |  |                                                                                       | .XXX±0.05   |                                                                                       |                                                                                       |                |                                                                                       |       |              |      |    |
|             |          |          |     |            |  | 0°±2°                                                                                 |             | scale 4.0                                                                             |                                                                                       |                |                                                                                       |       |              |      |    |
| R           | N12-0001 |          | SH  | 2012-03-09 |  | dr                                                                                    | LEIF SHEN   |                                                                                       | 10/15/04                                                                              |                | dwg no                                                                                |       | sheet 3 of 5 | size |    |
| S           | N12-0003 |          | AZH | 2012-06-13 |  | engr                                                                                  | LEIF SHEN   |                                                                                       | 10/15/04                                                                              |                |  |       | 10029449     |      | A4 |
|             |          |          |     |            |  | chr                                                                                   | PAUL WANG   |                                                                                       | 10/15/04                                                                              |                |                                                                                       |       |              |      |    |
|             |          |          |     |            |  | app                                                                                   | JOSEPH HSIA |                                                                                       | 10/15/04                                                                              |                | type Product Customer Drawing                                                         |       |              |      |    |
| sheet       |          | revision |     |            |  |                                                                                       |             |                                                                                       |                                                                                       |                |                                                                                       |       |              |      |    |
| index       |          | sheet    |     |            |  |                                                                                       |             |                                                                                       |                                                                                       |                |                                                                                       |       |              |      |    |

| PRODUCT NO.     | CONTACT AREA PLATING | SHIELD FIGURE  | DIM "A"   | PACKING       |
|-----------------|----------------------|----------------|-----------|---------------|
| 10029449-111RLF | GOLD FLASH 3u" MIN   | WITHOUT FLANGE | 2.02±0.20 | TAPE AND REEL |
| 10029449-113RLF | GOLD FLASH 3u" MIN   | WITHOUT FLANGE | 0.90±0.20 | TAPE AND REEL |

## NOTE:

## 1.MATERIAL:

HOUSING: HIGH TEMP.THERMOPLASTIC, UL 94V-0

COLOR: BLACK.

CONTACT: PHOSPHOR BRONZE

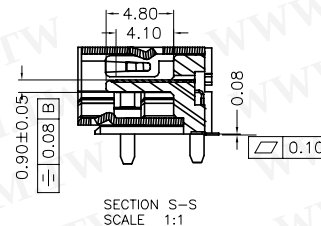
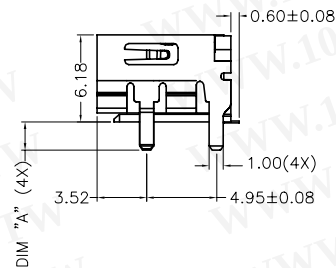
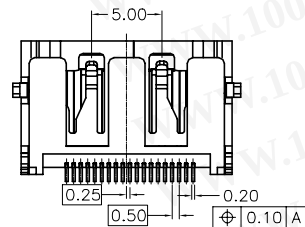
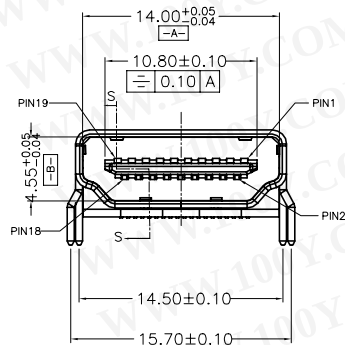
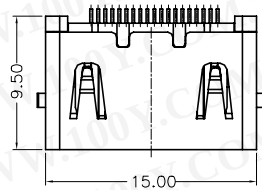
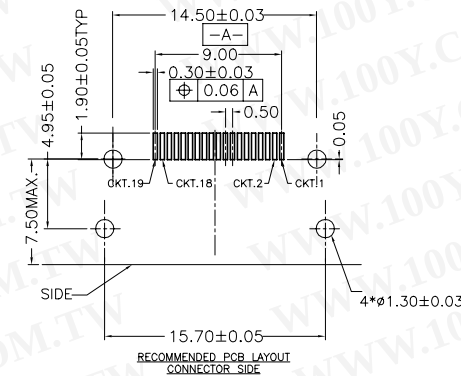
SHIELD: BRASS

## 2.FINISH:

SEE NOTES.

3.TERMINAL RETENTION FORCE TO BE 0.3kgf MIN.

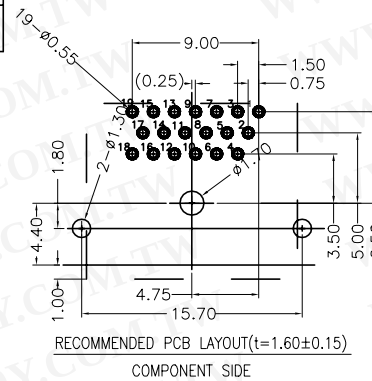
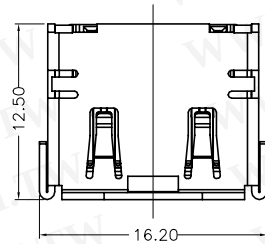
4.TERMINAL CUT-OFF BURR TO BE 0.05MAX.

SECTION S-S  
SCALE 1:1

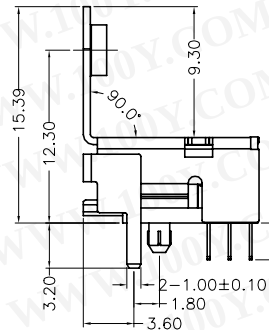
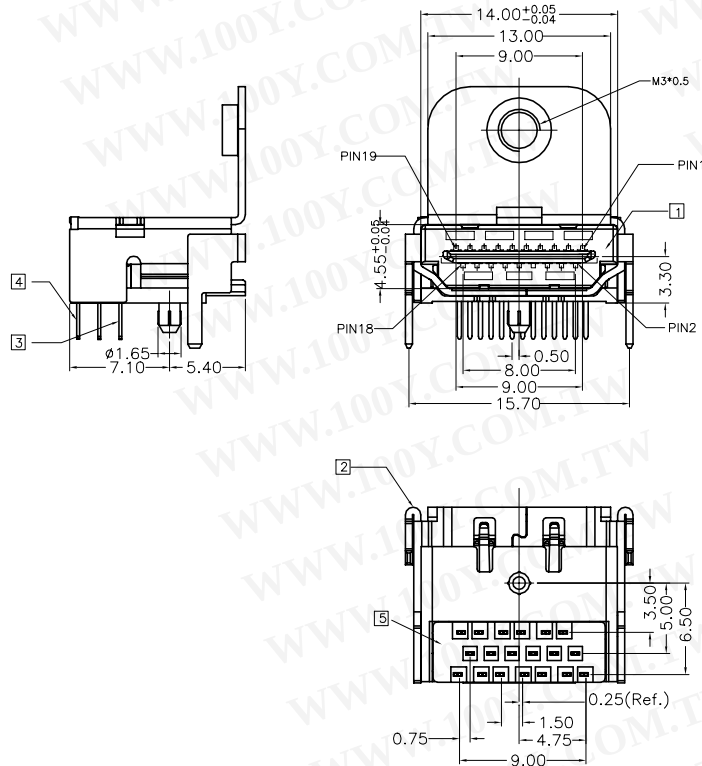
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| mat'l. code  |          |    |            | surface                               | tolerance      | projection | product family                                                                        |  |  |
|--------------|----------|----|------------|---------------------------------------|----------------|------------|---------------------------------------------------------------------------------------|--|--|
| ltr ecn nodr |          |    |            | ISO1302                               | ISO1101 ISO406 | MM         | HDMI                                                                                  |  |  |
| date         |          |    |            | tolerances unless otherwise specified |                |            | HDMI TYPE A RECEPTACLE                                                                |  |  |
| M            | N09-0307 | SH | 10/21/09   | angled<br>line                        | .X±0.3         | scale 2.0  |  |  |  |
| N            | N10-0033 | SH | 02/01/10   |                                       | .XX±0.15       |            |                                                                                       |  |  |
| P            | N10-0201 | KW | 2011-02-14 |                                       | .XXX±0.05      |            |                                                                                       |  |  |
| R            | N12-0001 | SH | 2012-03-09 |                                       |                |            |                                                                                       |  |  |
|              |          |    |            | dr                                    | LEIF SHEN      | 10/15/04   | dwg no                                                                                |  |  |
|              |          |    |            | enr                                   | LEIF SHEN      | 10/15/04   | sheet 4 of 5                                                                          |  |  |
|              |          |    |            | chr                                   | PAUL WANG      | 10/15/04   | 10029449                                                                              |  |  |
|              |          |    |            | app                                   | JOSEPH HSIA    | 10/15/04   | A4                                                                                    |  |  |
| sheet        |          |    |            | revision                              |                |            | type                                                                                  |  |  |
| index        |          |    |            | sheet                                 |                |            | Product Customer Drawing                                                              |  |  |

| PRODUCT NO.     | CONTACT AREA PLATING | SHIELD FIGURE | PACKING |
|-----------------|----------------------|---------------|---------|
| 10029449-112TLF | GOLD FLASH 3u" MIN   | WITH FLANGE   | TRAY    |



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## NOTE:

## 1.MECHANICAL CHARACTERISTICS

INSERTION FORCE: 44.1N MAX  
 WITHDRAWAL FORCE: 9.8N MIN, 39.2N MAX  
 MATING CYCLE:10000 CYCLES  
 CONTACT PULL OUT FORCE: 1.96N/PIN MIN

## 2.ELECTRICAL CHARACTERISTICS

RATING CURRENT: 0.5A  
 RATING VOLTAGE: 40V  
 CONTACT RESISTANCE: 10 MILLOHMS OHMS MAX  
 (EXCLUDING CONDUCTOR RESISTANCE)  
 INSULATION RESISTANCE:  
 a, UNMATED: 100M OHMS MIN AT 500 VDC  
 b, MATED: 10M OHMS MIN AT 150 VDC  
 DIELECTRIC WITHSTANDING VOLTAGE: 300V AC/1MINUTE  
 OPERATING TEMPERATURE: -20°C---+85°C  
 STORAGE TEMPERATURE: -20°C---+65°C

|             |          |          |     |            |  |                |             |                                       |  |                          |  |
|-------------|----------|----------|-----|------------|--|----------------|-------------|---------------------------------------|--|--------------------------|--|
| mat'l. code |          |          |     | surface    |  | tolerance      |             | projection                            |  | product family           |  |
|             |          |          |     | ISO1302 ✓  |  | ISO1101 ISO406 |             |                                       |  | HDMI                     |  |
| ltr         |          | ecn      |     | nodr       |  | date           |             | tolerances unless otherwise specified |  | title                    |  |
| M           | N09-0307 |          | SH  | 10/21/09   |  |                | .0±0.3      |                                       |  | HDMI TYPE A RECEPTACLE   |  |
| N           | N10-0033 |          | SH  | 02/01/10   |  |                | .00±0.15    |                                       |  |                          |  |
| P           | N10-0201 |          | KW  | 2011-02-14 |  |                | .000±0.05   |                                       |  |                          |  |
| R           | N12-0001 |          | SH  | 2012-03-09 |  | dr             | LEIF SHEN   | 10/15/04                              |  | dwg no                   |  |
| S           | N12-0003 |          | AZH | 2012-06-13 |  | engr           | LEIF SHEN   | 10/15/04                              |  | sheet 5 of 5             |  |
|             |          |          |     |            |  | chr            | PAUL WANG   | 10/15/04                              |  | size                     |  |
|             |          |          |     |            |  | app            | JOSEPH HSIA | 10/15/04                              |  | A4                       |  |
|             |          |          |     |            |  |                |             |                                       |  | type                     |  |
| sheet       |          | revision |     |            |  |                |             |                                       |  | Product Customer Drawing |  |
| index       |          | sheet    |     |            |  |                |             |                                       |  |                          |  |

