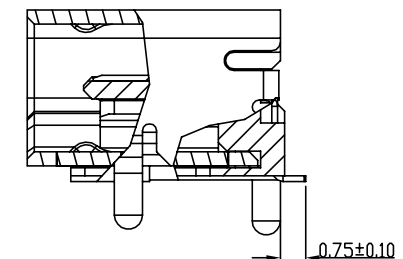
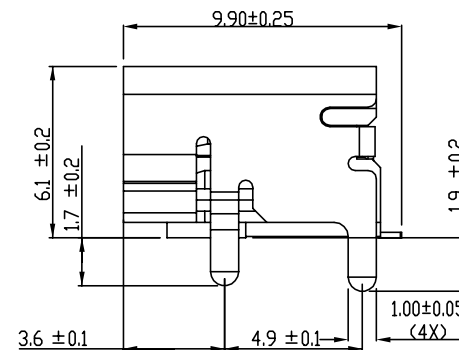
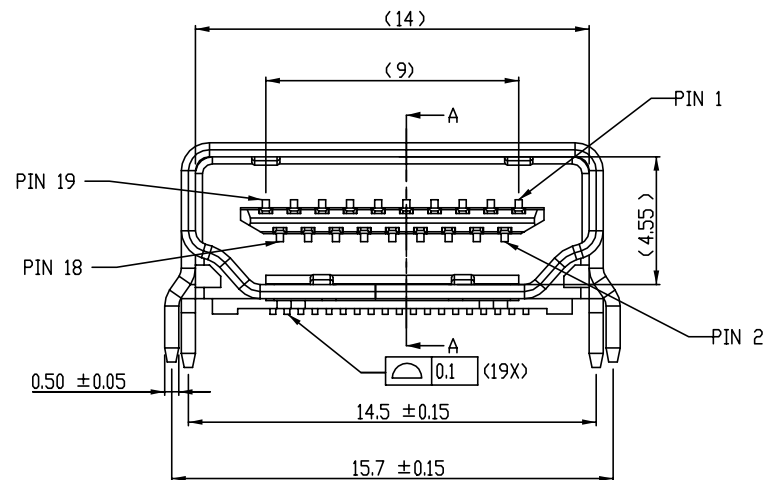
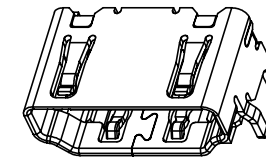
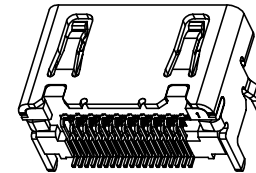
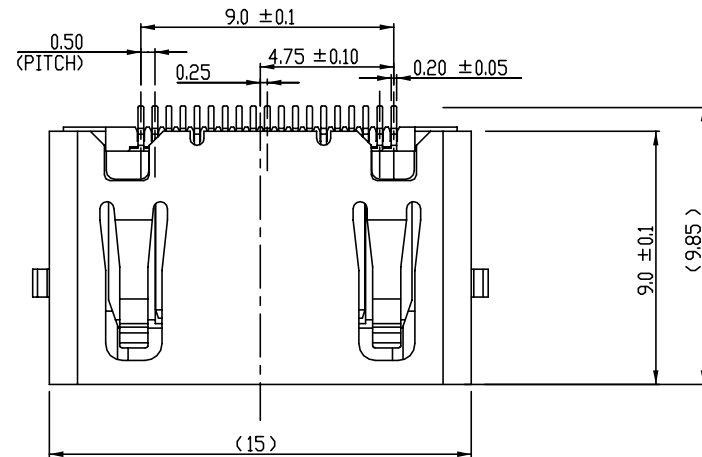


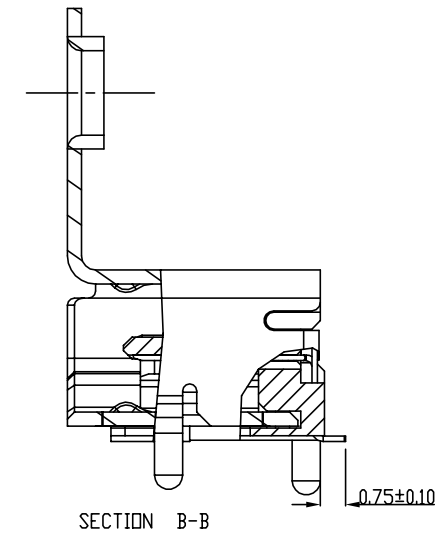
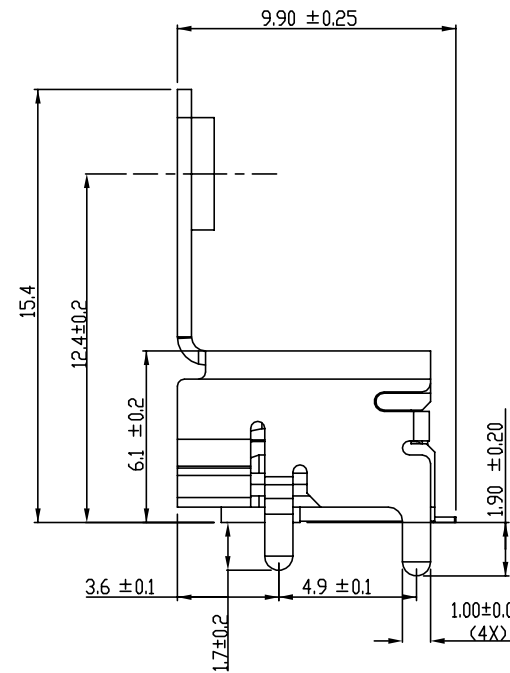
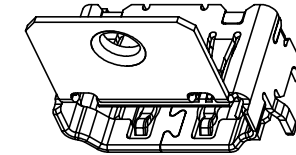
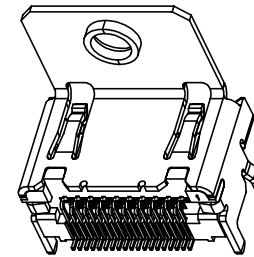
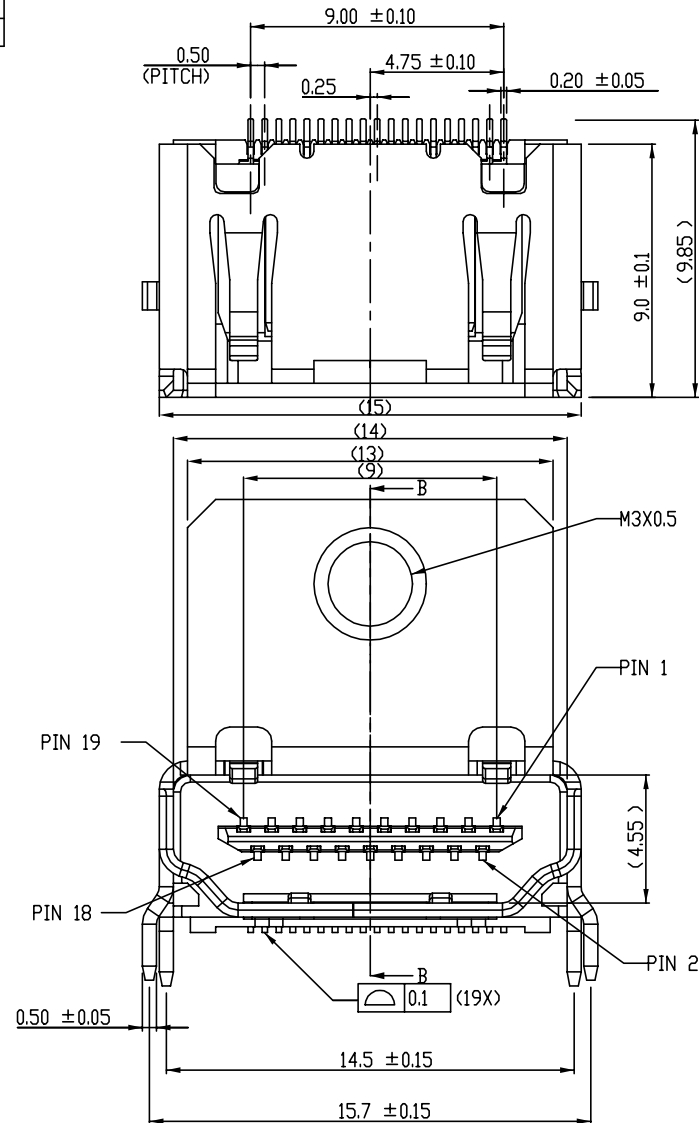
PRODUCT NO.  
10029449-X01XLF



SECTION A-A

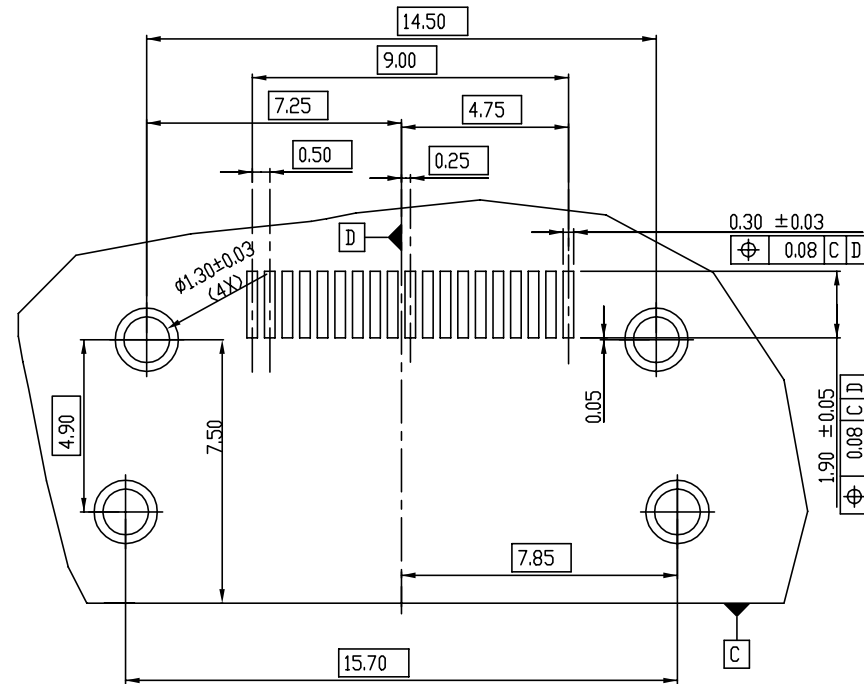
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|-------------|-----------|------|------------|---------------------------------------|----------------|------------|------------------------|--|--------------------------|
| mat'l. code |           |      |            | surface                               | 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                                 | ISO            | MM         | HDMI TYPE A RECEPTACLE |  |                          |
| N           | N10-0033  | SH   | 02/01/10   |                                       |                |            |                        |  |                          |
| P           | N10-0201  | KW   | 2011-02-14 |                                       |                |            |                        |  |                          |
| R           | N12-0001  | SH   | 2012-02-23 | dr                                    | LEIF SHEN      | 10/15/04   | dwg no                 |  | sheet 1 of 5             |
| S           | N12-0003  | AZH  | 2012-06-13 | enr                                   | LEIF SHEN      | 10/15/04   | 10029449               |  | A4                       |
|             |           |      |            | chr                                   | PAUL WANG      | 10/15/04   |                        |  |                          |
|             |           |      |            | app                                   | JOSEPH HSIA    | 10/15/04   |                        |  |                          |
| sheet       | revisions | s    | s          | s                                     | s              |            | type                   |  | Product Customer Drawing |
| index       | sheet     | 1    | 2          | 3                                     | 4              | 5          |                        |  |                          |

PRODUCT NO.  
10029449-002XLF



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



RECOMMENDED PCB PATTERN LAYOUT  
(t=1.6mm)

## 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.

|                   |          |     |            |                         |             |                |   |   |                        |                               |              |      |  |
|-------------------|----------|-----|------------|-------------------------|-------------|----------------|---|---|------------------------|-------------------------------|--------------|------|--|
| 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   | angle of projection     | .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 | enr                     | LEIF SHEN   | 10/15/04       |   |   | 10029449               |                               | A4           |      |  |
|                   |          |     |            | chr                     | PAUL WANG   | 10/15/04       |   |   |                        |                               |              |      |  |
|                   |          |     |            | app                     | JOSEPH HSIA | 10/15/04       |   |   |                        |                               |              |      |  |
| sheet             |          |     |            | revision                |             |                |   |   |                        | type Product Customer Drawing |              |      |  |
| 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

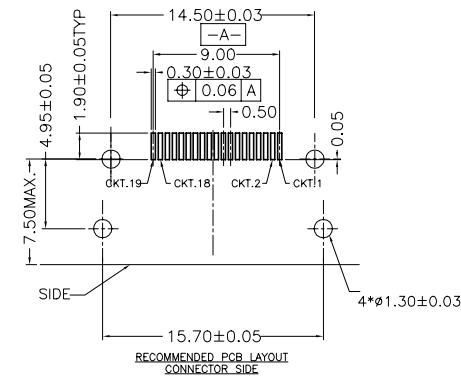
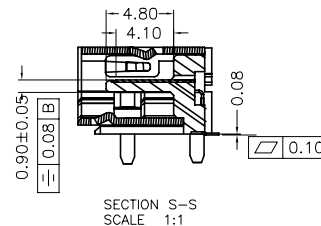
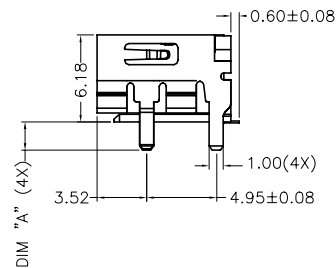
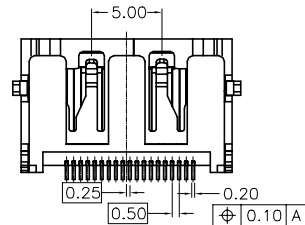
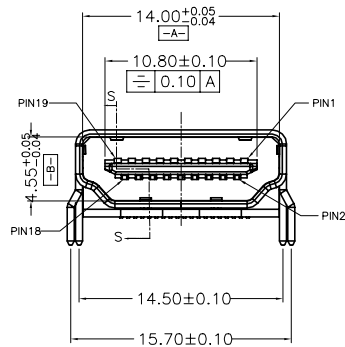
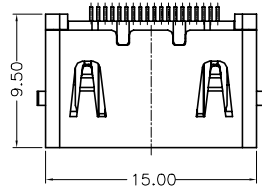
SHIELD: BRASS




## 2.FINISH:

SEE NOTES.

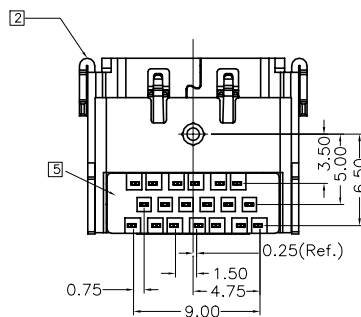
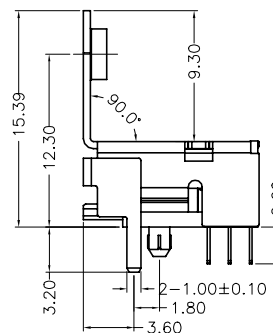
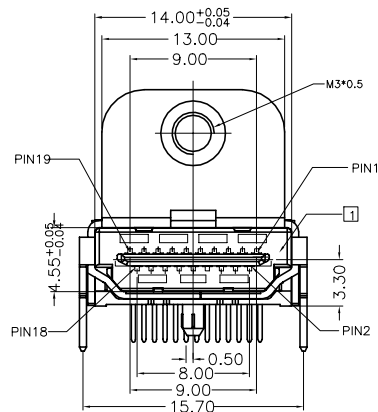
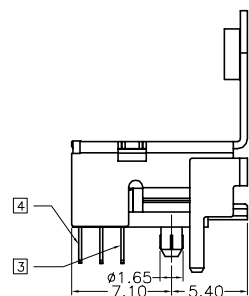
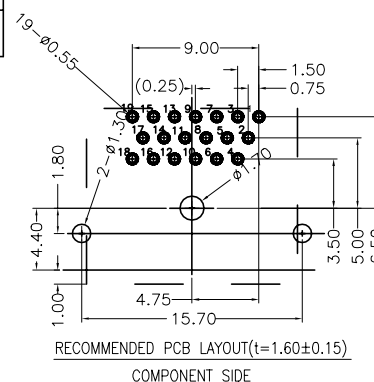
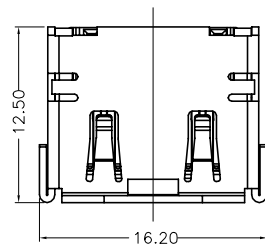
3.TERMINAL RETENTION FORCE TO BE 0.3kgf MIN.

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



|                   |          |                |            |                         |             |                             |   |   |  |                        |  |      |  |
|-------------------|----------|----------------|------------|-------------------------|-------------|-----------------------------|---|---|--|------------------------|--|------|--|
| mat'l. code       |          |                |            | surface<br>ISO1302 ✓    |             | tolerance<br>ISO1101 ISO406 |   | projection<br> |  | product family<br>HDMI |  |      |  |
| ltr ecn nodr date |          |                |            | tolerances unless other |             | wise specified              |   | title   |  |                        |  |      |  |
| M                 | N09-0307 | SH             | 10/21/09   | angle<br>line<br>0°±2'  | .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  |  | sheet 4 of 5           |  | size |  |
| S                 | N12-0003 | AZH            | 2012-06-13 | enr                     | LEIF SHEN   | 10/15/04                    |   | 10029449  |  | A4                     |  |      |  |
|                   |          |                |            | chr                     | PAUL WANG   | 10/15/04                    |   |   |  |                        |  |      |  |
|                   |          |                |            | app                     | JOSEPH HSIA | 10/15/04                    |   |   |  |                        |  |      |  |
| sheet index       |          | revision sheet |            |                         |             |                             |   |   |  |                        |  |      |  |

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



## 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<br>ISO1302 ✓ |  | tolerance<br>ISO1101 ISO406 |  | projection<br> |  | product family<br>HDMI |  |   |  |   |  |          |  |              |  |                  |  |
| l           |  | tr       |  | ec                   |  | n                           |  | odr   |  | 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                  |  |   |  | 0°±2°<br>.000±0.05     |  |   |  |   |  |          |  |              |  |                  |  |
| R           |  | N12-0001 |  | SH                   |  | 2012-03-09                  |  | dr  |  | LEIF SHEN              |  | 10/15/04  |  |  |  | dwg no   |  | sheet 5 of 5 |  | siz              |  |
| S           |  | N12-0003 |  | A.ZH                 |  | 2012-06-13                  |  | enr   |  | 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    |  |                      |  |                             |  |   |  |                        |  |   |  |   |  |          |  |              |  |                  |  |