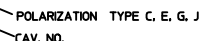
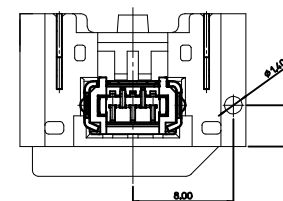
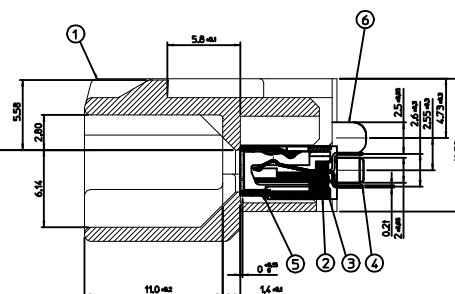


|   |
|---|
| A |
| B |
| C |
| D |
| E |
| F |
| G |
| H |
| I |
| J |
| K |
| L |
| M |



## RECOMMENDED PCB LAYOUT



<PARTS LIST>

| NO. | PART NAME          | MATERIAL                    |
|-----|--------------------|-----------------------------|
| 1   | SHROUD-C, E, G, J  | LCP, GLASS FILLED, UL94 V-0 |
| 2   | RECEPTACLE HOUSING | SPS, GLASS FILLED, UL94 HB  |
| 3   | CONTACT HOUSING    | LCP, GLASS FILLED, UL94 V-0 |
| 4   | CONTACT TERMINAL   | LCP, GLASS FILLED, UL94 V-0 |
| 5   | SHIELD CASE        | COPPER ALLOY                |
| 6   | BOARD LOCKS PIN    | PHOSPHOR BRONZE             |
|     |                    | BRASS                       |

|                                                                                             |                               |                                                                                                                                                     |                                                                                                                                                              |                                                                                                                                  |                        |                           |
|---------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|
| REVISED<br>EC NO: K1R205-0098<br>DRAWN BY: 2015/04/27<br>CHECKED: 2015/05/04<br>APPR: YAEHO | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mmINCH<br>4 PLACES±0.15±---<br>3 PLACES±0.15±---<br>2 PLACES±0.15±---<br>1 PLACE±0.25±---<br>ANGULAR ± 1 ° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>S. M. KIM 2009/06/17<br>CHECKED BY DATE<br>B. C. YOON 2009/06/17<br>APPROVED BY DATE<br>E. H. JUNG 2009/06/17 | SCALE<br>5:1                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|                                                                                             | DESCRIPTION                   |                                                                                                                                                     |                                                                                                                                                              | TITLE<br>USCAR USB MINI B CONN.<br>VERTICAL-C.E.G.J                                                                              |                        |                           |
|                                                                                             | REV                           |                                                                                                                                                     | MATERIAL NO.<br>SEE TABLE1                                                                                                                                   | DOCUMENT NO.<br>SD-104004-003                                                                                                    | SHEET NO.<br>1 OF 1    |                           |
|                                                                                             |                               |                                                                                                                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |

1. SHROUD GEOMETRY AND ASSEMBLY WITH USB MINI-B CONNECTOR ARE ACCORDING TO USCAR STD 999-U-USB-\*\*\*

- TERMINAL :  
CONTACT AREA : Au 0.754µm MIN.  
SOLDER TAIL AREA : TIN 3.84µm MIN.  
UNDER PLATING : NI 1.04µm MIN.

- SHIELD CASE :  
3.04mm MIN. TIN OVER NI 1.04mm MIN.
- FITTING NAIL :  
3.04mm MIN. TIN OVER NI 1.04mm MIN.

3. UNLESS OTHERWISE SPECIFIED, TYPICAL  
RECOMMENDED PCB MANUFACTURING  
TOLERANCE IS  $\pm 0.05$

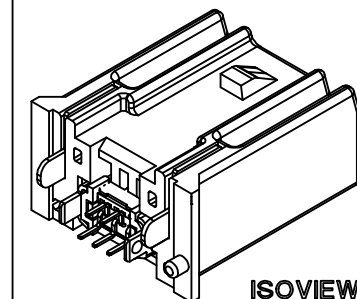
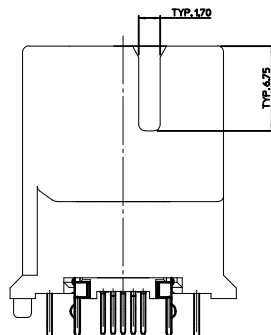
4. PACKAGING
- TRAY : 48 PCS/TRAY, 5 TRAY/TRAY BOX,  
240 PCS/TRAY BOX, 960 PCS/CARTON BOX
  - TUBE : 29 PCS/TUBE, 60 TUBE/CARTON BOX  
1740 PCS/CARTON BOX

5. PRODUCT SPECIFICATION : PS-49616-001

- ## 6. PACKAGING INFORMATION

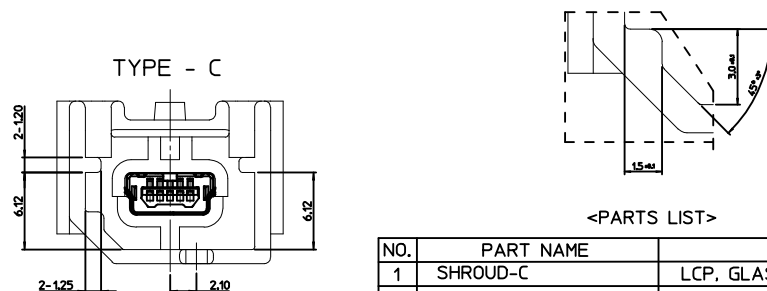
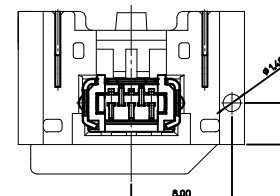
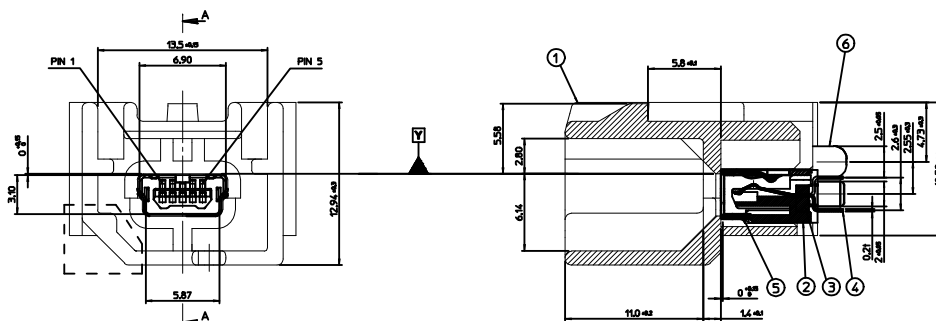
- TRAY PACKING : PK-104004-001
  - TUBE PACKING : RPK-104004-002
7. PCB THICKNESS : 1.6mm(REFERENCE)

- [illegible]



|          |              |             |          |         |       |
|----------|--------------|-------------|----------|---------|-------|
|          | MATERIAL NO. | ORDER NO.   | MATERIAL | PACKING | COLOR |
| TYPE - C | 1040040911   | 104004-0911 | LCP      | TRAY    | BLACK |

1. MATES WITH :  
(MOLEX SERIES NO. - 111014, 111015, 111005,  
111041, 111019, 111020)
2. SHROUD GEOMETRY AND ASSEMBLY WITH  
USB MINI-B CONNECTOR ARE ACCORDING TO  
USCAR STD 999-U-USB-Z01
3. FINISHES
  - TERMINAL :  
CONTACT AREA : Au 0.75µm MIN.  
SOLDER TAIL AREA : TIN 3.8µm MIN.  
UNDER PLATING : NI 1.0µm MIN.
  - SHIELD CASE :  
3.0µm MIN. TIN OVER NI 1.0µm MIN.
  - FITTING NAIL :  
3.0µm MIN. TIN OVER NI 1.0µm MIN.
4. UNLESS OTHERWISE SPECIFIED, TYPICAL  
RECOMMENDED PCB MANUFACTURING  
TOLERANCE IS ±0.05
5. PACKAGING IS TRAY :  
(48 PCS/TRAY, 5 TRAY/TRAY BOX,  
240 PCS/TRAY BOX, 960 PCS/CARTON BOX)
6. PACKAGING SPECIFICATION : PS-49616-001
7. PACKAGING INFORMATION : PK-104004-003
8. PCB THICKNESS : 2.36mm(REFERENCE)



| NO. | PART NAME          | MATERIAL                    |
|-----|--------------------|-----------------------------|
| 1   | SHROUD-C           | LCP, GLASS FILLED, UL94 V-0 |
| 2   | RECEPTACLE HOUSING | LCP, GLASS FILLED, UL94 V-0 |
| 3   | CONTACT HOUSING    | LCP, GLASS FILLED, UL94 V-0 |
| 4   | CONTACT TERMINAL   | COPPER ALLOY                |
| 5   | SHIELD CASE        | PHOSPHOR BRONZE             |
| 6   | BOARD LOCKS PIN    | BRASS                       |

| REVISED<br>EC NO: K13205-0098<br>DRAWING 10A06<br>2015/04/27<br>CHKD: A1<br>APPR: TCHO<br>2015/05/06 | DESCRIPTION                                                | QUALITY SYMBOL                                                                                                                                                                         | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                                                                                                                                                  |                               | DIMENSION STYLE<br>MM ONLY |      | SCALE<br>5:1   | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------|------|----------------|------------------------|------------------------|----------------|-------|-------|----------------|------------|-------|---------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|---------------------|
|                                                                                                      |                                                            |  = 0<br> = 0 | <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES <math>\pm</math></td><td><math>\pm</math></td><td><math>\pm</math></td></tr><tr><td>3 PLACES <math>\pm</math></td><td><math>\pm</math></td><td><math>\pm</math></td></tr><tr><td>2 PLACES <math>\pm</math></td><td><math>\pm 0.15</math></td><td><math>\pm</math></td></tr><tr><td>1 PLACE <math>\pm</math></td><td><math>\pm 0.25</math></td><td><math>\pm</math></td></tr></table> |                               | mm                         | INCH | 4 PLACES $\pm$ | $\pm$                  | $\pm$                  | 3 PLACES $\pm$ | $\pm$ | $\pm$ | 2 PLACES $\pm$ | $\pm 0.15$ | $\pm$ | 1 PLACE $\pm$ | $\pm 0.25$ | $\pm$ | DRAWN BY DATE<br>S. M. KIM 2009/06/17<br>CHECKED BY DATE<br>B. C. YOON 2009/06/17<br>APPROVED BY DATE<br>JYCHOI 2014/08/01 |  | TITLE<br>USCAR USB MINI B CONN.<br>VERTICAL - C<br>(LONG TERMINAL VERSION) |  |  MOLEX INCORPORATED | SHEET NO.<br>1 OF 1 |
|                                                                                                      |                                                            | mm                                                                                                                                                                                     | INCH                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
|                                                                                                      | 4 PLACES $\pm$                                             | $\pm$                                                                                                                                                                                  | $\pm$                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
| 3 PLACES $\pm$                                                                                       | $\pm$                                                      | $\pm$                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
| 2 PLACES $\pm$                                                                                       | $\pm 0.15$                                                 | $\pm$                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
| 1 PLACE $\pm$                                                                                        | $\pm 0.25$                                                 | $\pm$                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
|                                                                                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | MATERIAL NO.<br>SEE TABLE1                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DOCUMENT NO.<br>SD-104004-008 |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
|                                                                                                      | SIZE<br>A1                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |
|                                                                                                      |                                                            |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                            |      |                |                        |                        |                |       |       |                |            |       |               |            |       |                                                                                                                            |  |                                                                            |  |                                                                                                          |                     |



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Электрон  
Связь**

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**Наши контакты:**

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**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

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