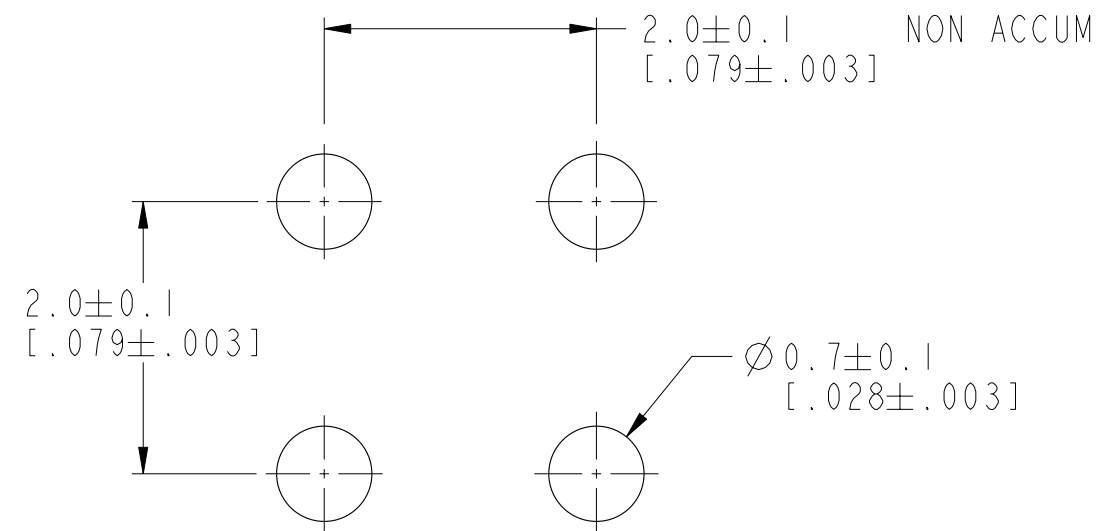
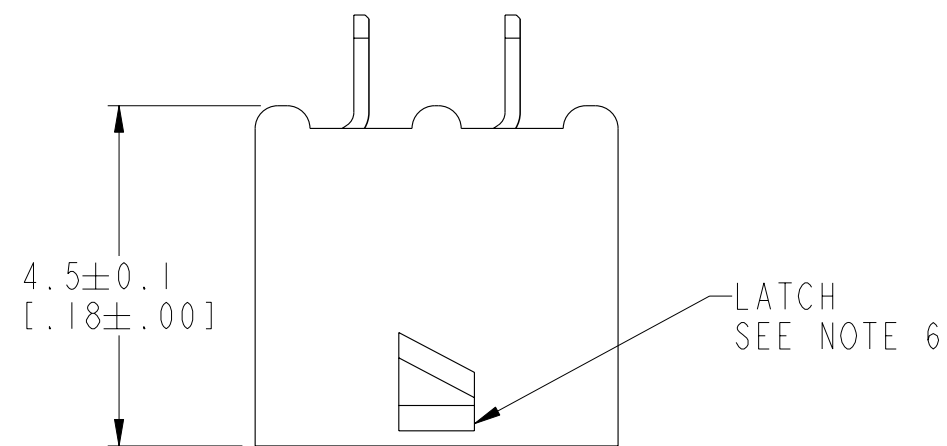
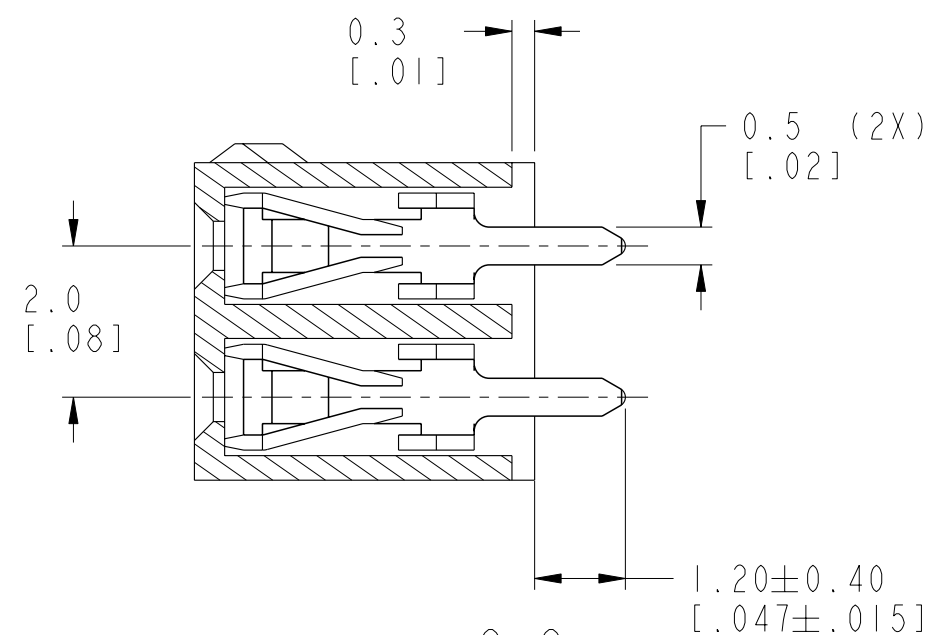
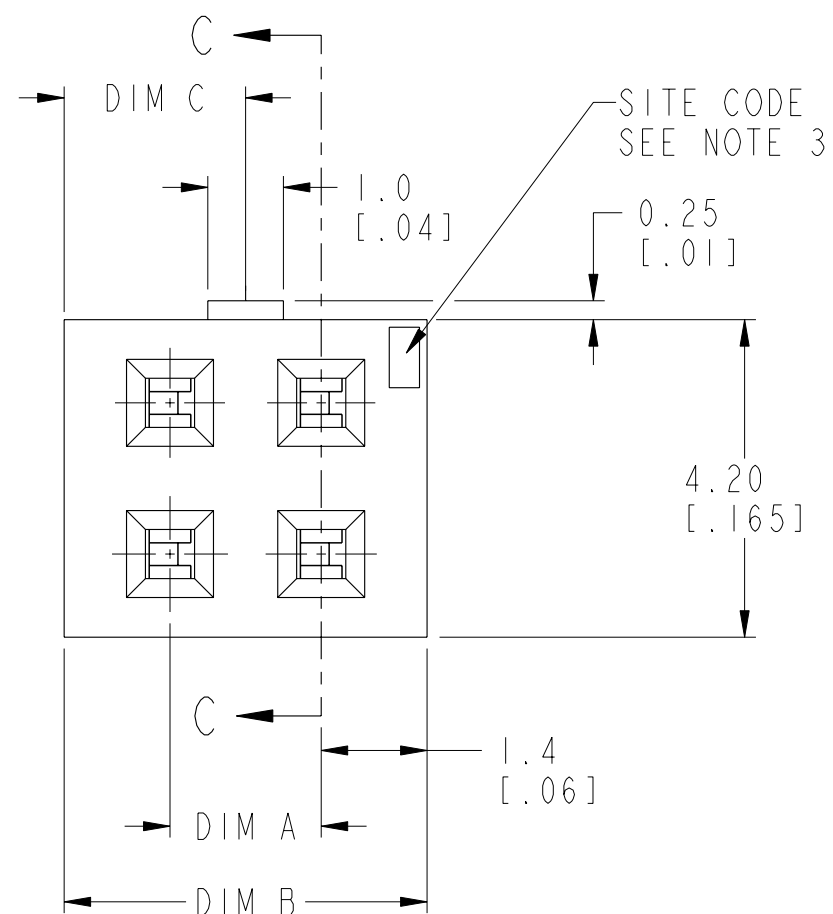




RECOMMENDED MOUNTING HOLE LAYOUT



SECTION C-C

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|                    |          |            |                                       |                                   |                         |
|--------------------|----------|------------|---------------------------------------|-----------------------------------|-------------------------|
| www.fciconnect.com |          |            | surface<br>ISO 1302                   | tolerance std<br>ISO 406 ISO 1101 | projection<br>MM / INCH |
|                    |          |            | TOLERANCES UNLESS OTHERWISE SPECIFIED |                                   |                         |
| Dr                 | S. OLSON | 1991-09-03 | ANGULAR                               | X.X/.XX                           | ±0.3/.01                |
| Eng                | S. OLSON | 1991-09-03 |                                       | LINEAR                            | ±0.013/.005             |
| Chr                | KH LEE   | 2010-01-23 | 0° ±2°                                | X.XX/.XXX                         | ±0.013/.005             |
| Appr               | JOEY NG  | 2010-01-23 | Product family                        |                                   | MINITEK                 |
|                    |          |            | Spec ref                              |                                   | -                       |
|                    |          |            | ECN                                   |                                   | S10-0205                |
|                    |          |            | size                                  |                                   | A3                      |
|                    |          |            | Scale                                 |                                   | 10:1                    |
|                    |          |            | Rev.                                  |                                   | L                       |
|                    |          |            | CUSTOMER                              |                                   | sheet 1 of 3            |

| rev | ecn no   | dr  | date       |
|-----|----------|-----|------------|
| H   | S04294   | LSS | 1995-01-19 |
| J   | V50889   | MRC | 1995-07-06 |
| K   | S05-0090 | KBM | 2005-03-21 |
| L   | S10-0205 | AK  | 2010-01-23 |
| -   | -        | -   | -          |
| -   | -        | -   | -          |
| -   | -        | -   | -          |



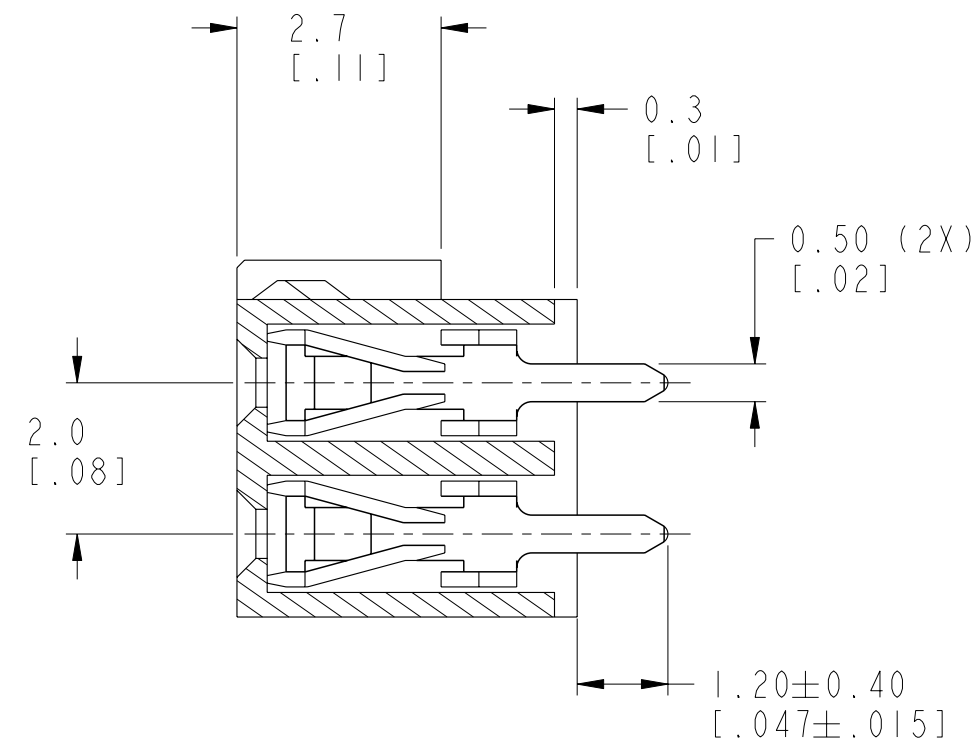
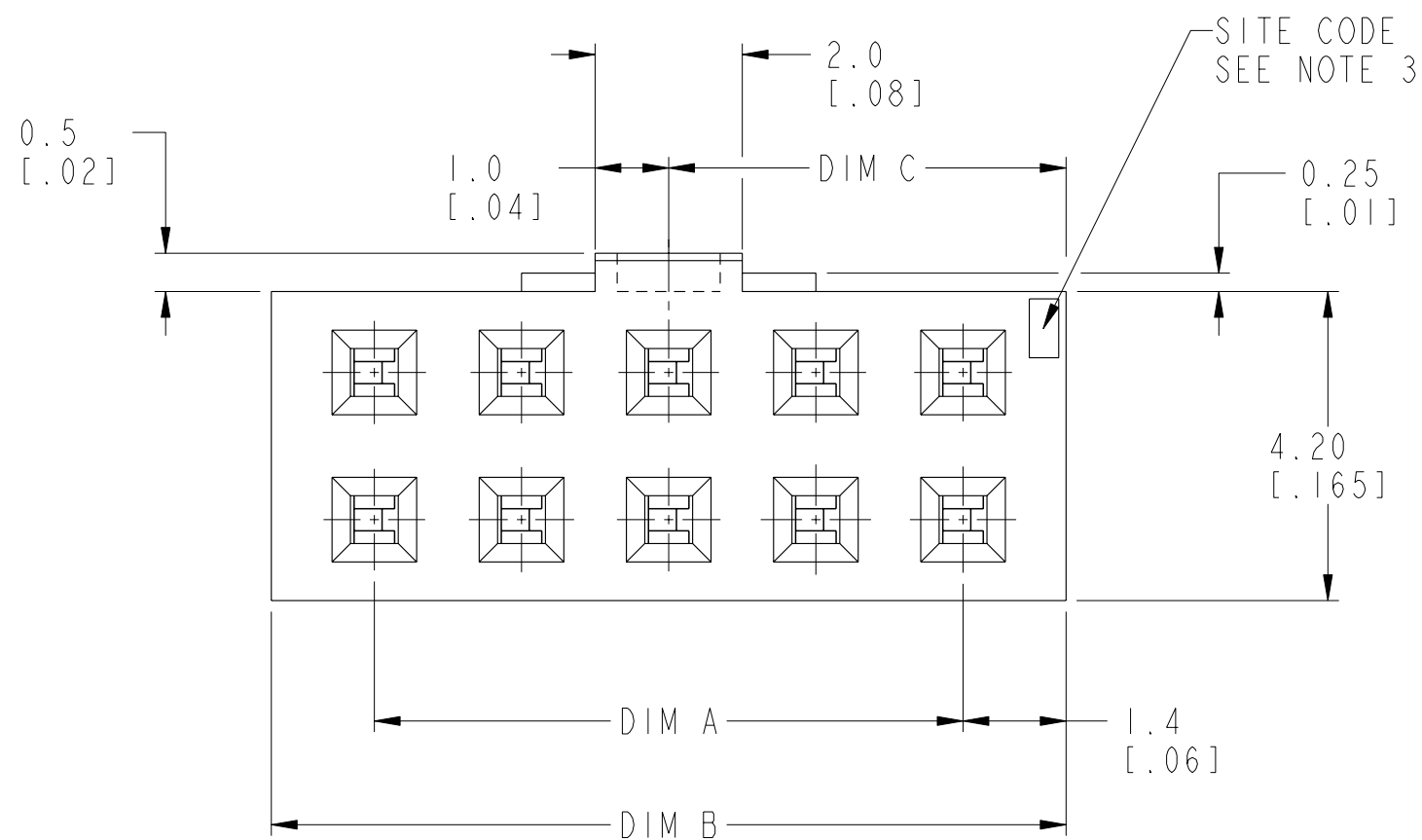
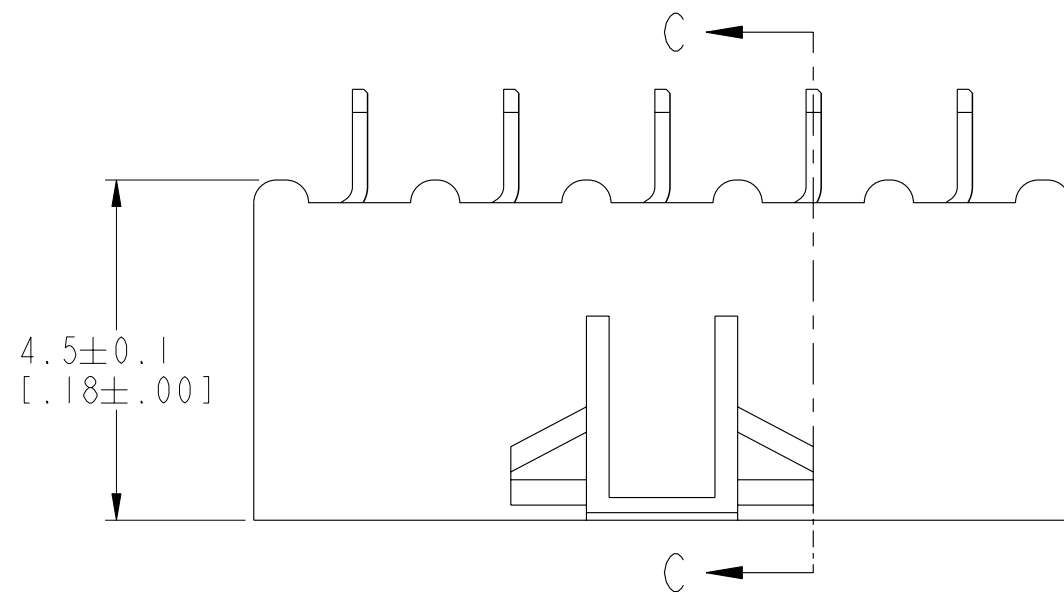
MINITEK VCC HSG. DBL.  
ROW W/LATCHING

catalog no

90310

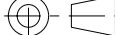
CUSTOMER

sheet 1 of 3



SECTION C-C

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|                                                                                       |          |                |                                       |        |                                   |                       |                                                                                                     |               |                                                                                                    |        |  |     |
|---------------------------------------------------------------------------------------|----------|----------------|---------------------------------------|--------|-----------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------|--------|--|-----|
| www.fciconnect.com                                                                    |          |                | surface - ✓<br>ISO 1302               |        | tolerance std<br>ISO 406 ISO 1101 |                       | projection<br> |               | MM / INCH<br> |        |  |     |
|                                                                                       |          |                | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |                                   |                       |                                                                                                     |               |                                                                                                    |        |  |     |
| Dr                                                                                    | S. OLSON | 1991-09-03     | ANGULAR                               | LINEAR | X.X/.XX                           | ±0.3/.01              | size<br>A3                                                                                          | Scale<br>10:1 |                                                                                                    |        |  |     |
| Eng                                                                                   | S. OLSON | 1991-09-03     |                                       |        | X.XX/.XXX                         | ±0.013/.005           |                                                                                                     |               |                                                                                                    |        |  |     |
| Chr                                                                                   | KH LEE   | 2010-01-23     | 0°                                    | ±2°    | X.XXX/.XXXX                       | ±0.051/.0020          | ECN                                                                                                 |               | S10-0205                                                                                           |        |  |     |
| Appr                                                                                  | JOEY NG  | 2010-01-23     | Product family                        |        |                                   | MINITEK               |                                                                                                     | Spec ref      |                                                                                                    |        |  |     |
|  |          | title          |                                       |        |                                   | MINITEK VCC HSG. DBL. |                                                                                                     |               |                                                                                                    | dwg no |  | Rev |
|                                                                                       |          | ROW W/LATCHING |                                       |        |                                   | 90310                 |                                                                                                     |               |                                                                                                    | L      |  |     |
| catalog no                                                                            |          |                |                                       | -      |                                   | CUSTOMER              |                                                                                                     |               | sheet 2 of 3                                                                                       |        |  |     |



Copyright FCI.

C

D

A

B

| PRODUCT NO | POSITIONS | DIM. A    | DIM.B     | DIM. C   | LATCHING FEATURE |
|------------|-----------|-----------|-----------|----------|------------------|
| 90310-X04  | 2 X 2     | 2.0/.08   | 4.8/.19   | 2.4/.09  | 1                |
| 90310-X06  | 2 X 3     | 4.0/.16   | 6.8/.27   | 3.4/.13  | 2                |
| 90310-X08  | 2 X 4     | 6.0/.24   | 8.8/.35   | 4.4/.17  | ▲                |
| 90310-X10  | 2 X 5     | 8.0/.32   | 10.8/.43  | 5.4/.21  |                  |
| 90310-X12  | 2 X 6     | 10.0/.39  | 12.8/.50  | 6.4/.25  |                  |
| 90310-X14  | 2 X 7     | 12.0/.47  | 14.8/.58  | 7.4/.29  |                  |
| 90310-X16  | 2 X 8     | 14.0/.55  | 16.8/.66  | 8.4/.33  |                  |
| 90310-X18  | 2 X 9     | 16.0/.63  | 18.8/.74  | 9.4/.37  |                  |
| 90310-X20  | 2 X 10    | 18.0/.71  | 20.8/.82  | 10.4/.41 |                  |
| 90310-X22  | 2 X 11    | 20.0/.79  | 22.8/.90  | 11.4/.45 |                  |
| 90310-X24  | 2 X 12    | 22.0/.87  | 24.8/.98  | 12.4/.49 |                  |
| 90310-X26  | 2 X 13    | 24.0/.95  | 26.8/1.06 | 13.4/.53 |                  |
| 90310-X28  | 2 X 14    | 26.0/1.02 | 28.8/1.13 | 14.4/.57 |                  |
| 90310-X30  | 2 X 15    | 28.0/1.10 | 30.8/1.21 | 15.4/.61 |                  |
| 90310-X32  | 2 X 16    | 30.0/1.18 | 32.8/1.29 | 16.4/.65 | ▼                |
| 90310-X34  | 2 X 17    | 32.0/1.26 | 34.8/1.37 | 17.4/.69 | 2                |

PART NUMBER INFORMATION:

XXXXX-XXXLF

LEAD FREE (SEE NOTES 4 & 9)  
TERMINAL PLATING  
BASE NUMBER

A

B

C

D

NOTES:

- HOUSING MATERIAL: PCT  
UL94V-0 COLOR BEIGE.
- TERMINAL MATERIAL: PHOS BRONZE
- SITE CODE INDICATES POS 1.
- PLATING AT CONTACT:  
Au OVER 1.27µm/500 Ni  
  
PLATING AT SOLDER TAIL:  
(a) SOLDER TAIL OF P/N: 90310-XXX IS TIN/LEAD PLATED.  
(b) SOLDER TAIL OF P/N: 90310-XXXLF IS 100% MATTE TIN PLATED.
- FOR USE WITH MINITEK LATCHING HEADERS  
WHEN MATING AND UNMATING THE FORCES  
WILL BE APPROX 1 Kg/2.2 lbs. GREATER THAN  
THE FORCES DETAILED IN  
110-036, PAR 3.5.3.5.
- SHEET 1 SHOWS THE SINGULAR LATCHING FEATURE  
CONFINED TO THE 2X2.

7. THIS HOUSING WILL WITHSTAND EXPOSURE TO 250°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED  
OR VAPOR PHASE REFLOW OVEN.

8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER  
APPLICATION WITH A 1.57MM MINIMUM THICK CIRCUIT BOARD.

9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.



10. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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|                                                                                       |          |                |                       |        |                                      |                       |                |                  |       |               |
|---------------------------------------------------------------------------------------|----------|----------------|-----------------------|--------|--------------------------------------|-----------------------|----------------|------------------|-------|---------------|
| www.fciconnect.com                                                                    |          |                | surface -<br>ISO 1302 |        | tolerance std<br>ISO 406    ISO 1101 |                       | projection     | MM / INCH        |       |               |
|                                                                                       |          |                | TOLERANCES UNLESS     |        | OTHERWISE SPECIFIED                  |                       |                |                  |       |               |
| Dr                                                                                    | S. OLSON | 1991-09-03     | ANGULAR               | LINEAR | x.x/.xx                              | ±0.3/.01              | size<br><br>A3 | Scale<br><br>1:1 |       |               |
| Eng                                                                                   | S. OLSON | 1991-09-03     |                       |        | x.xx/.xxx                            | ±0.013/.005           |                |                  |       |               |
| Chr                                                                                   | KH LEE   | 2010-01-23     | 0°    ±2°             |        | x.xxx/.xxx                           | ±0.051/.0020          | ECN            | S10-0205         |       |               |
| Appr                                                                                  | JOEY NG  | 2010-01-23     | Product family        |        |                                      | MINITEK               | Spec ref       | -                |       |               |
|  |          | title          |                       |        |                                      | MINITEK VCC HSG. DBL. |                | dwg no           | 90310 | Rev.<br><br>L |
|                                                                                       |          | ROW W/LATCHING |                       |        |                                      |                       |                |                  |       |               |
|                                                                                       |          | catalog no     |                       |        |                                      | -                     |                | CUSTOMER         |       | sheet 3 of 3  |