

10 9 8 7 6 5 4 3 2 1

NOTES:

1. MATERIALS:

HOUSING - LIQUID CRYSTAL POLYMER (LCP),  
UL94 V-0, COLOR: BLACK.

TERMINAL - COPPER ALLOY

2. FINISH: 30  $\mu$  IN MIN. GOLD ON MATING SURFACE;  
MATTE TIN ON TAILS; NICKEL UNDERPLATE.

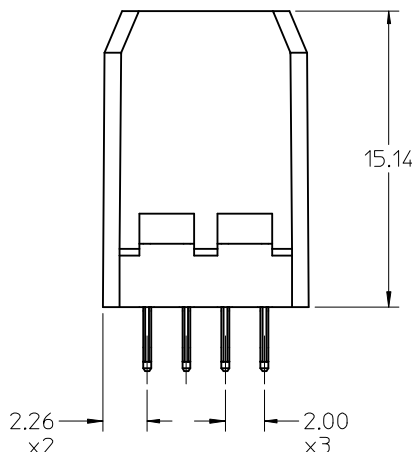
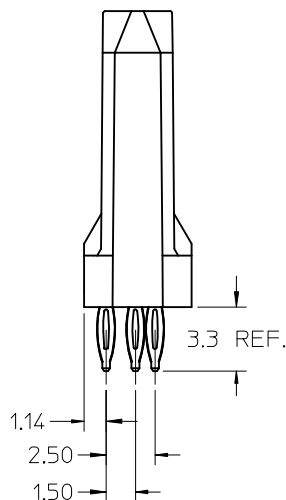
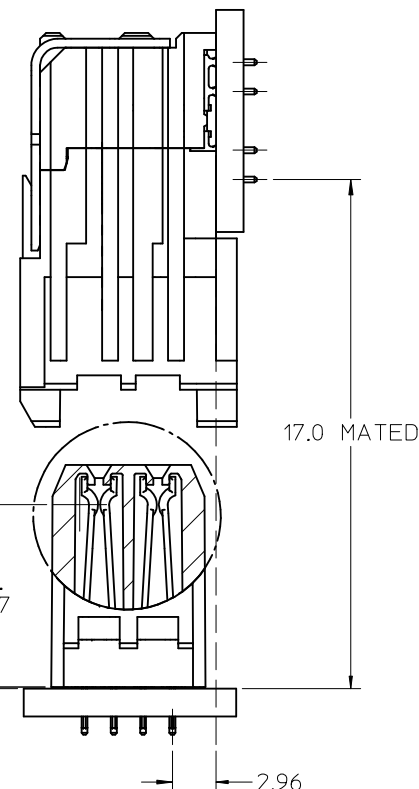
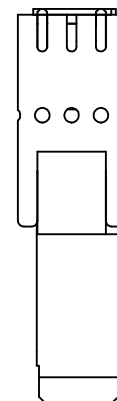
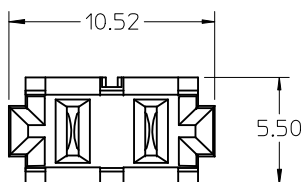
3. FINISH: 50  $\mu$  IN MIN. GOLD ON MATING SURFACE;  
MATTE TIN ON TAILS; NICKEL UNDERPLATE.

4. THIS PART CONFORMS TO PRODUCT SPECIFICATION  
PS-74031-999.

5. SINGLE ROW ASSEMBLY PACKED PER PK-70873-0876.

6. MATES WITH 75885 SERIES DAUGHTERCARD POWER ASSEMBLY.

7. MATING INTERFACE MEASURED FROM BOTTOM OF HOUSING.



| MOLEX P/N  | GOLD THICKNESS |
|------------|----------------|
| 75888-6000 | 30 $\mu$ in    |
| 75888-6050 | 50 $\mu$ in    |

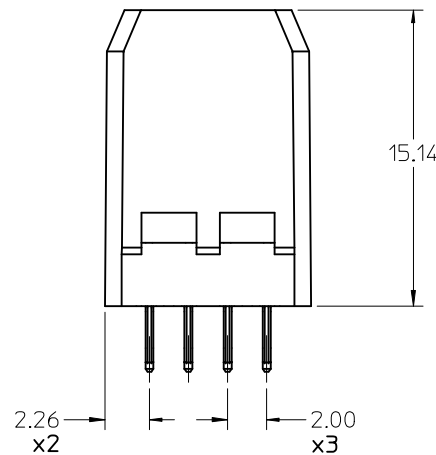
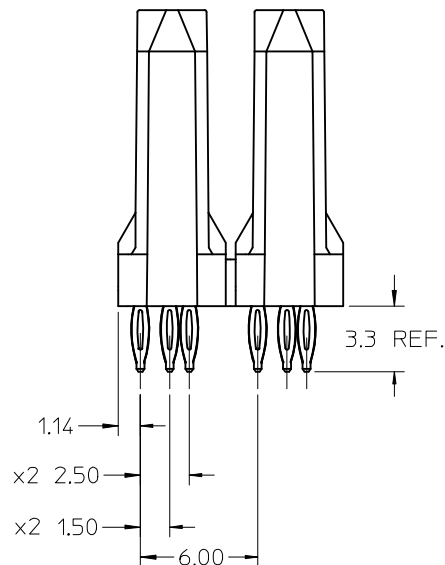
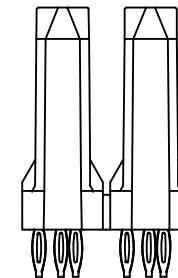
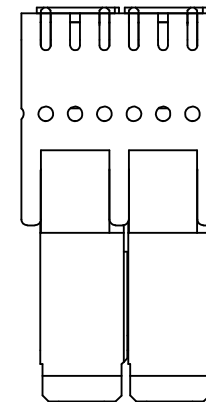
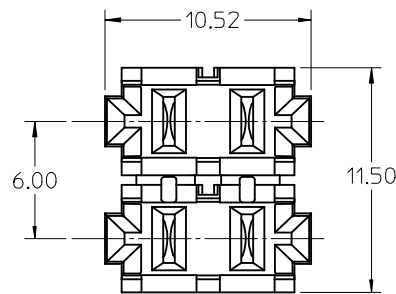
SINGLE ROW ASSEMBLY

|                                                                                                                              |                                             |                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                   |                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADD GEN. TOLERANCE<br>EC NO: UCP2014-2587<br>DRWN:SVANG01 2013/12/17<br>CHKD:MWLF 2013/12/17<br>APPR:SMILLER 2013/12/19<br>B | QUALITY SYMBOLS<br>F=0<br>F=0<br>F=0<br>REV | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES $\pm$ --- $\pm$ ---<br>3 PLACES $\pm$ --- $\pm$ ---<br>2 PLACES $\pm$ 0.13 $\pm$ ---<br>1 PLACE $\pm$ 0.25 $\pm$ ---<br>0 PLACE $\pm$ $\pm$<br>ANGULAR $\pm$ 5 $^{\circ}$<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>J JONIAK 2005/08/09<br>CHECKED BY DATE<br>J JONIAK 2005/08/09<br>APPROVED BY DATE<br>J JONIAK 2005/08/09<br>MATERIAL NO.<br>SEE CHART<br>SIZE<br>B | SCALE<br>4:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION<br>VHDM/HSD POWER<br>6 ROW BACKPLANE<br>LEAD FREE SALES ASSEMBLY<br><b>molex</b><br>DOCUMENT NO.<br>SD-75888-006<br>SHEET NO.<br>1 OF 3 |
|                                                                                                                              |                                             |                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                   |                                                                                                                                                                                                          |
|                                                                                                                              |                                             |                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                   |                                                                                                                                                                                                          |
|                                                                                                                              |                                             |                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                   |                                                                                                                                                                                                          |

9 8 7 6 5 4 3 2 1

# NOTES:

1. THIS DESIGN INTENDED AS OPTION TO HAVING TWO SINGLE ROW MODULES NEXT TO EACH OTHER.
2. FINISH: 30  $\mu$  IN GOLD ON MATING SURFACE; MATTE TIN ON TAILS; NICKEL UNDERPLATE.
3. FINISH: 50  $\mu$  IN GOLD ON MATING SURFACE; MATTE TIN ON TAILS; NICKEL UNDERPLATE.
4. DUAL ROW ASSEMBLIES PACKED PER PK-70873-545.

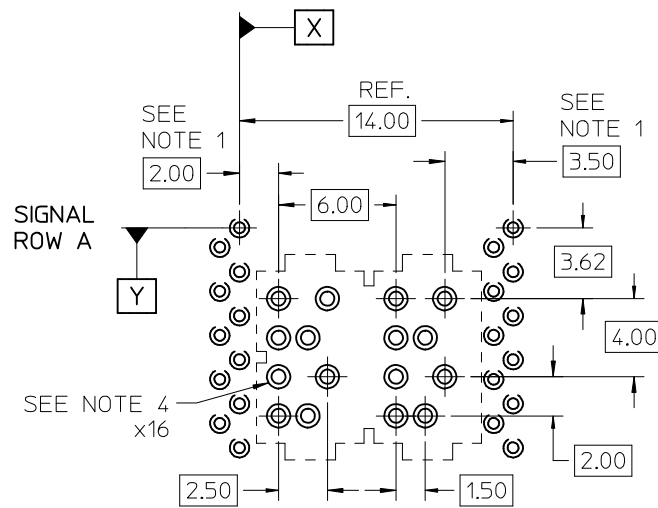


## DUAL ROW ASSEMBLY

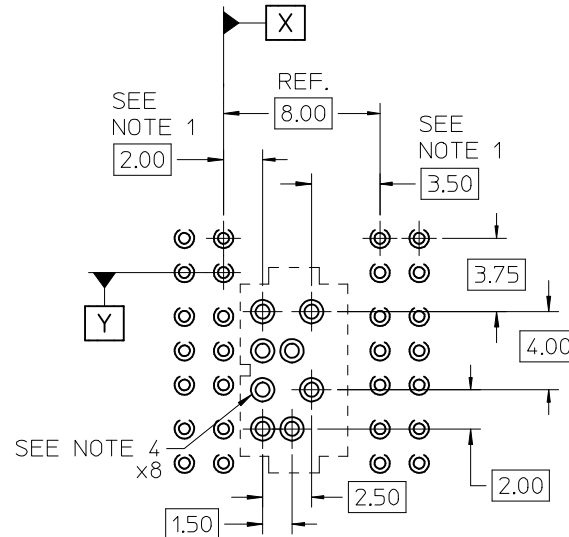
| MOLEX P/N  | CONTACT PLATING |
|------------|-----------------|
| 75888-6002 | SEE NOTE 2.     |
| 75888-6052 | SEE NOTE 3.     |

|                                                                                                                                 |                                      |                                       |                                                                                                                               |                                                                                     |                        |                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2014-2587<br>DRAWN: SVANG01 2013/12/17<br>CHKD: MWOLFE 2013/12/17<br>APPR: SMILLER 2013/12/19<br>REV B | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE<br>MM ONLY                                                                                                    | SCALE<br>4:1                                                                        | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                                 |
|                                                                                                                                 |                                      |                                       |                                                                                                                               |                                                                                     |                        |                                                                                        |
| DRAWN BY<br>JJONIAK                                                                                                             | DATE<br>2005/08/09                   | CHECKED BY<br>JJONIAK                 | DATE<br>2005/08/09                                                                                                            | APPROVED BY<br>JJONIAK                                                              | DATE<br>2005/08/09     | TITLE<br>VHDM/HSD POWER<br>6 ROW BACKPLANE<br>LEAD FREE SALES ASSEMBLY<br><b>molex</b> |
|                                                                                                                                 |                                      |                                       |                                                                                                                               |                                                                                     |                        |                                                                                        |
| MATERIAL NO.<br>SEE CHART                                                                                                       | DOCUMENT NO.<br>SD-75888-006         | SHEET NO.<br>2 OF 3                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | ANGULAR $\pm 5^\circ$<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | SIZE<br>B              |                                                                                        |
|                                                                                                                                 |                                      |                                       |                                                                                                                               |                                                                                     |                        |                                                                                        |

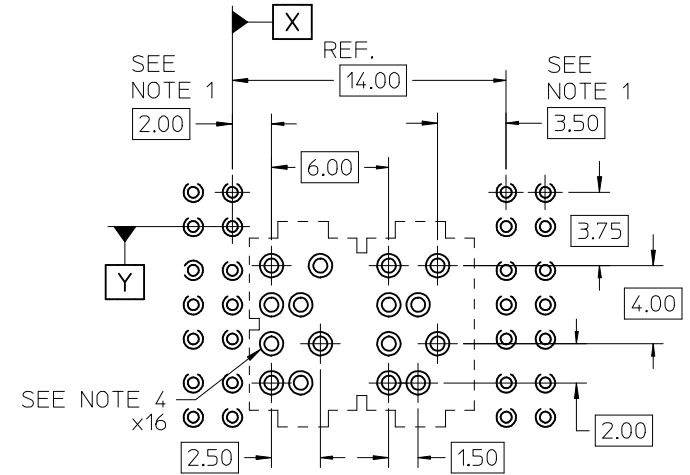
# BOARD LAYOUTS: 1.8 mm MIN. BOARD THICKNESS



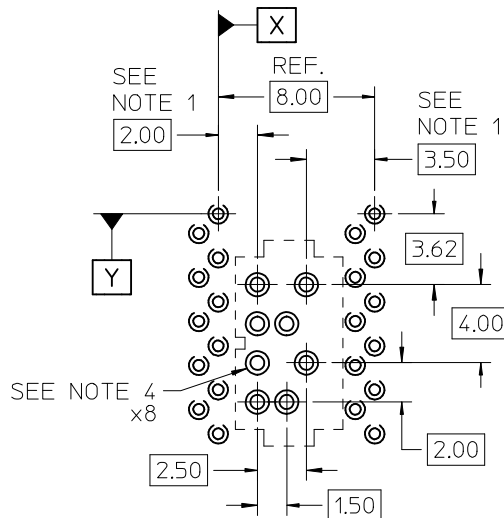
VHDM DUAL ROW POWER



VHDM-HSD SINGLE ROW POWER



VHDM-HSD DUAL ROW POWER



VHDM SINGLE ROW POWER

## NOTES:

1. ADDITIONAL SPACING CAN BE ADDED IN MULTIPLES OF 2.0 mm AS REQUIRED. FOR EACH ADDITIONAL SINGLE ROW POWER, ADD 6.00 mm.
2. SIGNAL ROW A IS IN LINE WITH DATUM Y IN ALL FOUR LAYOUTS.
3. FOUR HOLES ARE USED PER POWER CONTACT.
4. EACH POWER HOLE TO BE MANUFACTURED AS FOLLOWS:  
 $\phi 0.725 \pm 0.075$  PLATED THROUGH HOLE  
 $\phi 1.20$  PAD  
 $\phi 0.838$  DRILL

$\phi 0.10 \times Y$

|                                                                                      |                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
|--------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------|-------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|---------|---|---|----------------------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------|---------------------|
| SEE SHEET 1<br>EC NO: UCP2014-2587<br>DRAWN: SVANG01<br>CHKD: MWLFE<br>APPR: SMILLER | DESCRIPTION        | QUALITY SYMBOLS<br><div><div><div>▽</div><div>=0</div></div><div><div>▽</div><div>=0</div></div><div><div>▽</div><div>=0</div></div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>±</td><td>±</td></tr></table> |                                                                                                                                  | mm     | INCH  | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.13 | ± --- | 1 PLACE | ± 0.25 | ± --- | 0 PLACE | ± | ± | DIMENSION STYLE<br>MM ONLY | SCALE<br>4:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION | TITLE<br>VHDM/HSD POWER<br>6 ROW BACKPLANE<br>LEAD FREE SALES ASSEMBLY<br><b>molex</b> | DOCUMENT NO.<br>SD-75888-006 | SHEET NO.<br>3 OF 3 |
|                                                                                      |                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  | mm     | INCH  |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
|                                                                                      |                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       | 4 PLACES                                                                                                                         | ± ---  | ± --- |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
|                                                                                      |                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       | 3 PLACES                                                                                                                         | ± ---  | ± --- |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
|                                                                                      |                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       | 2 PLACES                                                                                                                         | ± 0.13 | ± --- |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| 1 PLACE                                                                              | ± 0.25             | ± ---                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| 0 PLACE                                                                              | ±                  | ±                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| DRAWN BY<br>JJONIAK                                                                  | DATE<br>2005/08/09 |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| CHECKED BY<br>JJONIAK                                                                | DATE<br>2005/08/09 |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| APPROVED BY<br>JJONIAK                                                               | DATE<br>2005/08/09 |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| MATERIAL NO.                                                                         |                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |
| REV                                                                                  | B                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                 | SIZE<br>B                                                                                                                                                                                                                                                                                                                                                             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |       |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |                            |              |                        |                                                                                                              |                                                                                        |                              |                     |