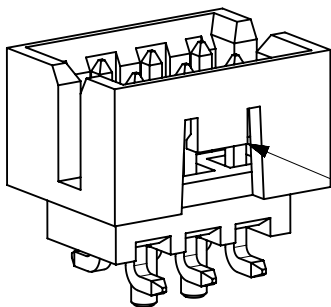
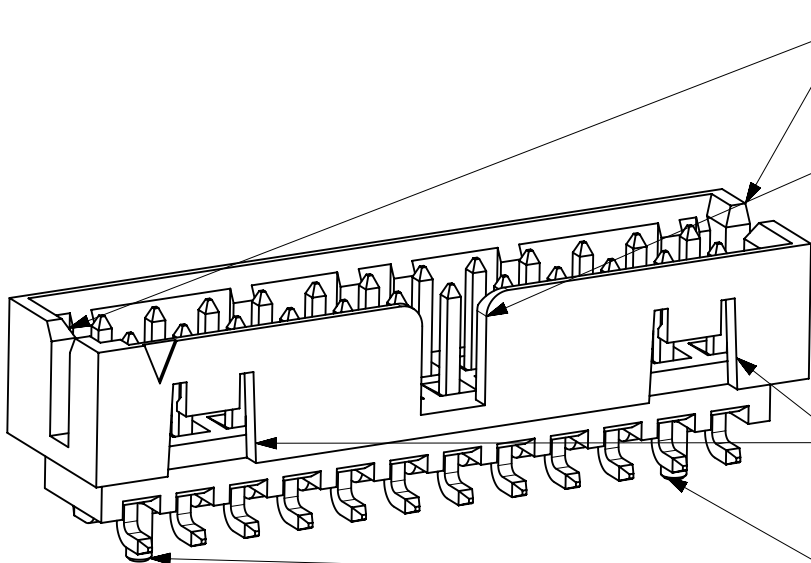


FEATURES SELECTION GUIDE



2 CENTER LOCK



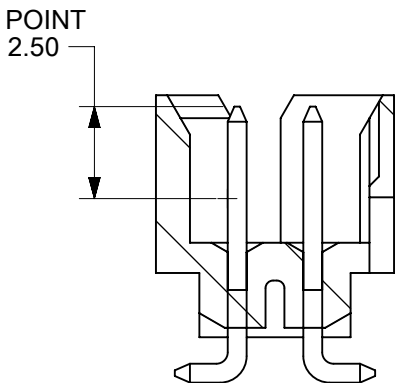
3 DUAL SIDE SLOTS

4 CENTER POLARIZATION

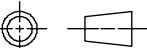
1 DUAL LOCKS

5 PEGS

PLATING MEASUREMENT

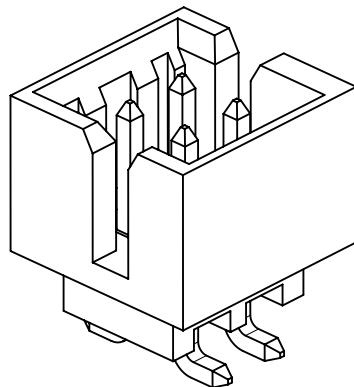
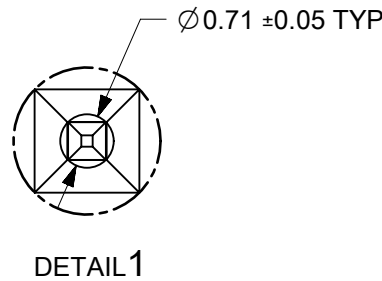
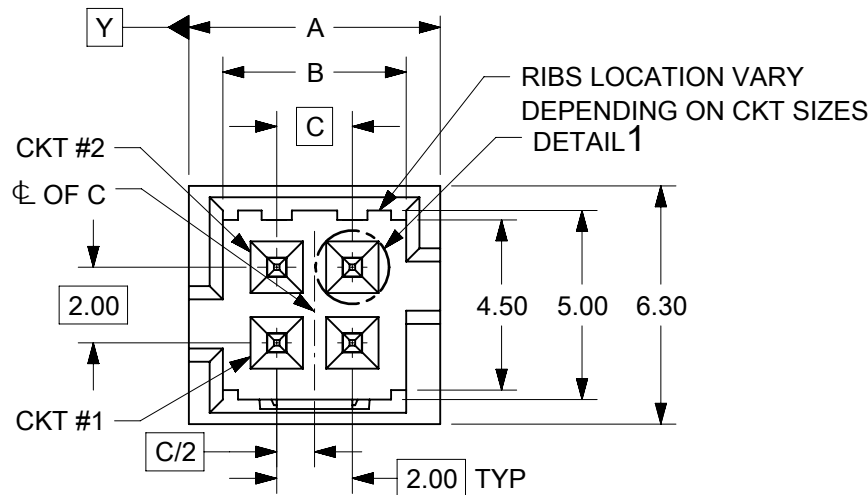


| CIRCUIT<br>SIZE | FEATURES       |          |                    |                        |      | SHEET<br>NO |
|-----------------|----------------|----------|--------------------|------------------------|------|-------------|
|                 | FRICTION LOCKS |          | DUAL<br>SIDE SLOTS | CENTER<br>POLARIZATION | PEGS |             |
|                 | ① DUAL         | ② CENTER |                    |                        |      |             |
| 4               | N.A            | N.A      | YES                | N.A                    | N.A  | 2 - 3       |
|                 | N.A            | YES      | YES                | N.A                    | N.A  |             |
| 6               | N.A            | N.A      | YES                | N.A                    | N.A  | 4 - 5       |
|                 | N.A            | N.A      | YES                | N.A                    | YES  |             |
|                 | N.A            | N.A      | YES                | YES                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | YES  |             |
| 8 TO 12         | N.A            | N.A      | YES                | YES                    | YES  | 6 - 7       |
|                 | N.A            | N.A      | YES                | YES                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | N.A  |             |
|                 | N.A            | YES      | YES                | N.A                    | YES  |             |
| 14 TO 50        | YES            | N.A      | YES                | YES                    | N.A  | 8 - 11      |
|                 | YES            | N.A      | YES                | YES                    | YES  |             |

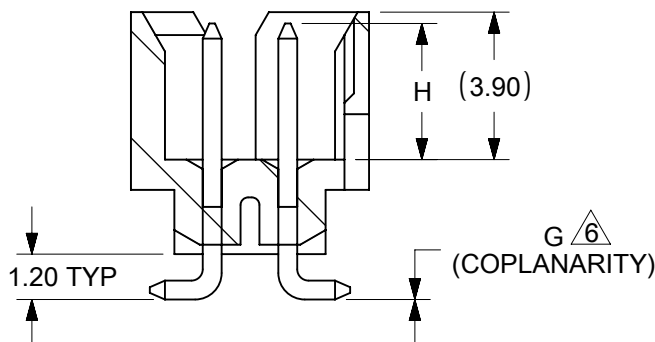
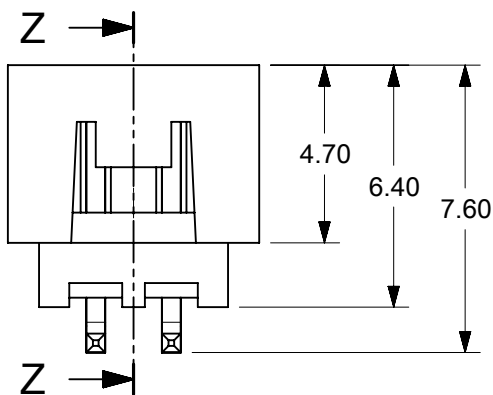
|                                                                                                                                               |                                        |                                                            |       |      |                 |  |                                                                                       |  |                                                                                    |                 |                 |           |          |          |                |     |              |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|-------|------|-----------------|--|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|-----------------|-----------------|-----------|----------|----------|----------------|-----|--------------|---------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                        |                                                            |       |      |                 |  |                                                                                       |  |                                                                                    |                 |                 |           |          |          |                |     |              |         |
| EC NO: 787294<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>APPR: MRAMAKRISHNA                                                                          | 2024/05/23<br>2024/05/24<br>2024/05/24 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |      | DIMENSION UNITS |  | SCALE                                                                                 |  | <div>molex®</div> <div>MILLIGRID<br/>2MM PITCH, SMT VERTICAL SHROUDED HEADER</div> |                 |                 |           |          |          |                |     |              |         |
|                                                                                                                                               |                                        |                                                            | MM    | INCH | DRWN BY         |  | DATE                                                                                  |  |                                                                                    |                 |                 |           |          |          |                |     |              |         |
|                                                                                                                                               |                                        | 4 PLACES                                                   | ±     | ±    | GMENARLY        |  | 2015/05/22                                                                            |  |                                                                                    |                 |                 |           |          |          |                |     |              |         |
|                                                                                                                                               |                                        | 3 PLACES                                                   | ±     | ±    | CHK'D BY        |  | DATE                                                                                  |  | PRODUCT CUSTOMER DRAWING                                                           |                 |                 |           |          |          |                |     |              |         |
|                                                                                                                                               |                                        | 2 PLACES                                                   | ± 0.2 | ±    | CGOH            |  | 2015/09/21                                                                            |  |                                                                                    |                 |                 |           |          |          |                |     |              |         |
|                                                                                                                                               |                                        | 1 PLACES                                                   | ±     | ±    | APPR BY         |  | DATE                                                                                  |  |                                                                                    |                 |                 |           |          |          |                |     |              |         |
|                                                                                                                                               |                                        | 0 PLACES                                                   | ±     | ±    | KHLIM           |  | 2015/09/22                                                                            |  | SERIES                                                                             |                 | MATERIAL NUMBER |           |          | CUSTOMER |                |     |              |         |
|                                                                                                                                               |                                        | ANGULAR TOL ± 3.0                                          |       |      | DRAWING SIZE    |  | THIRD ANGLE PROJECTION                                                                |  |                                                                                    | 87832           |                 | SEE TABLE |          |          | GENERAL MARKET |     |              |         |
|                                                                                                                                               |                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |      | A3              |  |  |  |                                                                                    | DOCUMENT NUMBER |                 |           | DOC TYPE |          | DOC PART       |     | SHEET NUMBER |         |
|                                                                                                                                               |                                        | A24                                                        |       | REV  |                 |  |                                                                                       |  |                                                                                    |                 | SD-87832-0001   |           |          | PSD      |                | 001 |              | 1 OF 13 |

|                |    |              |            |          |
|----------------|----|--------------|------------|----------|
| RELEASE STATUS | P1 | RELEASE DATE | 2024/05/24 | 12:12:41 |
|----------------|----|--------------|------------|----------|

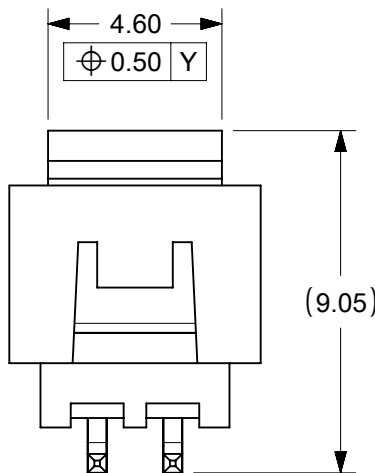
4 CIRCUITS



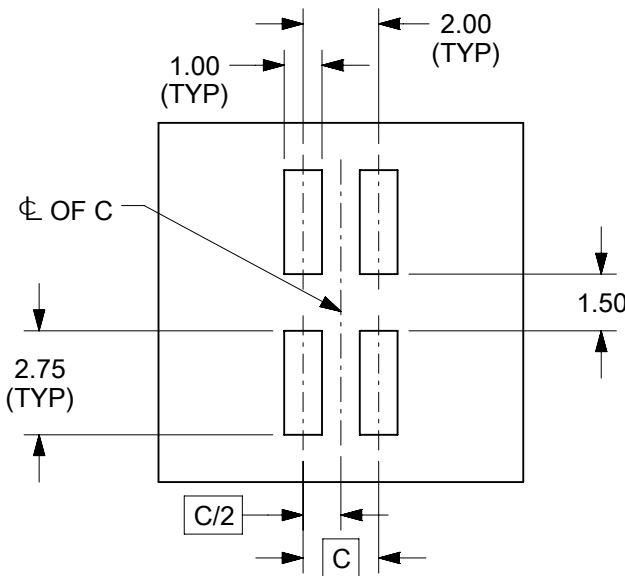
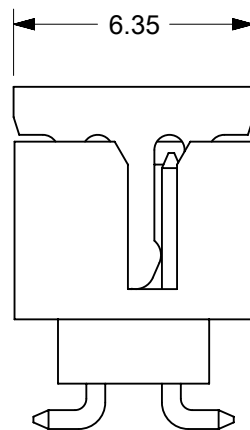
ISO VIEW OF HEADER  
WITH ONLY DUAL SLOTS



SECTION Z-Z



VIEW FOR HEADER WITH CAP



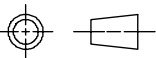
RECOMMENDED PCB LAYOUT

NOTES:

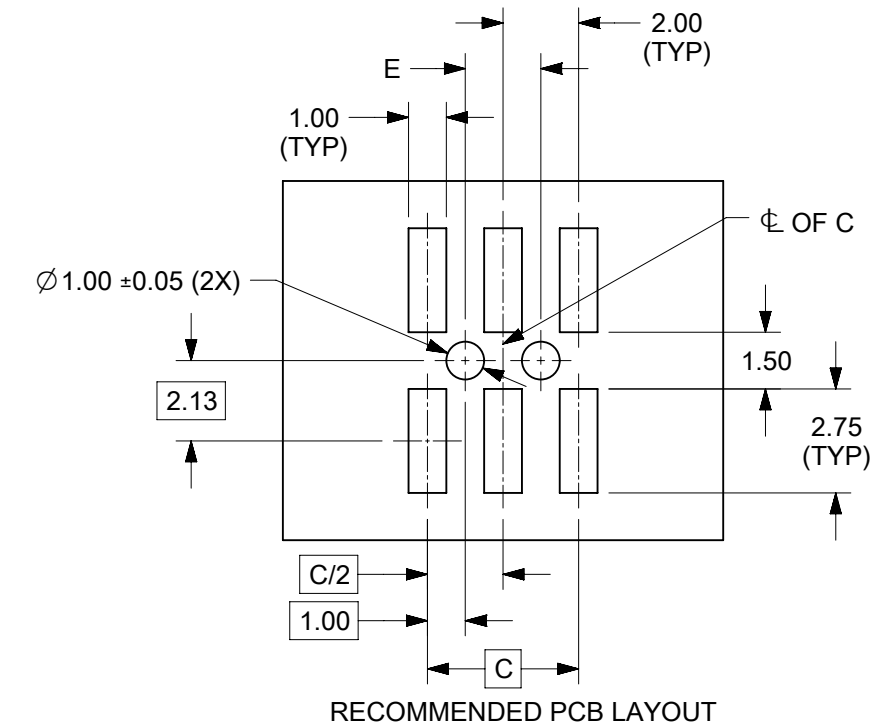
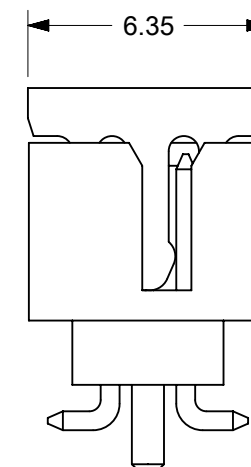
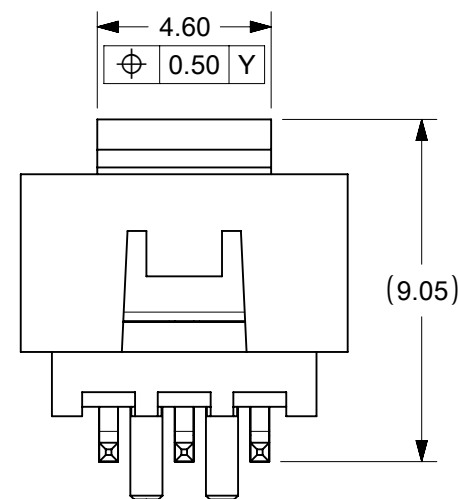
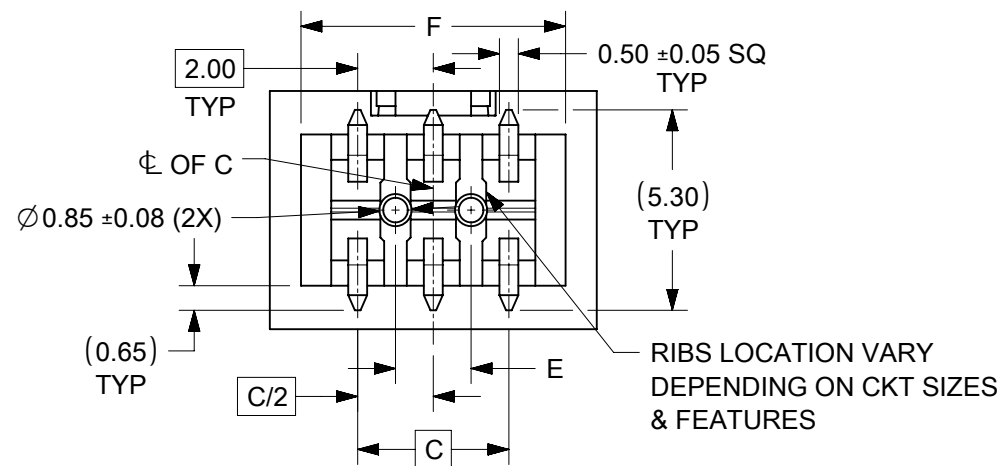
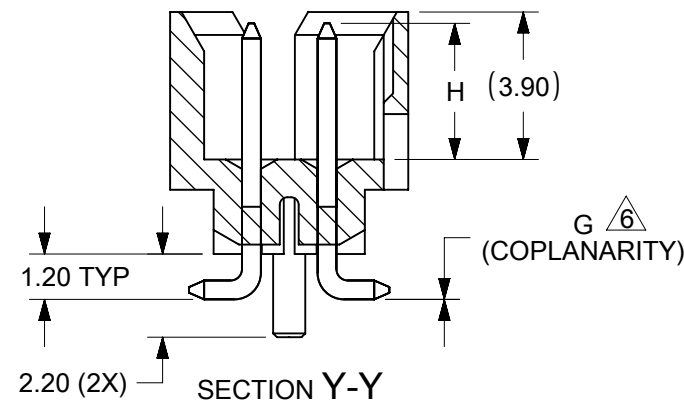
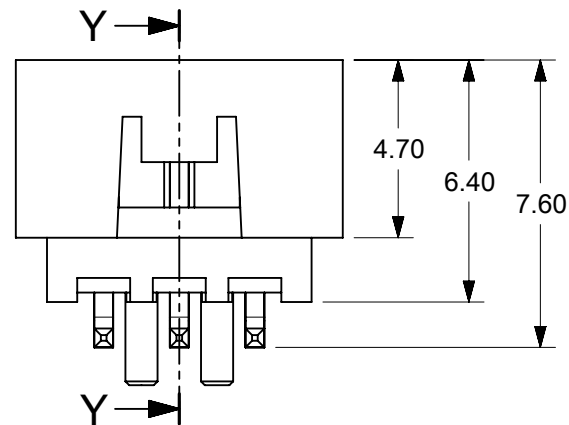
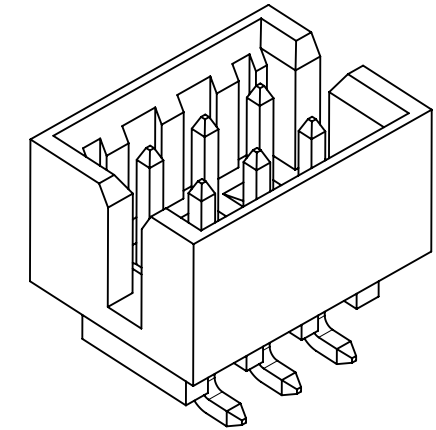
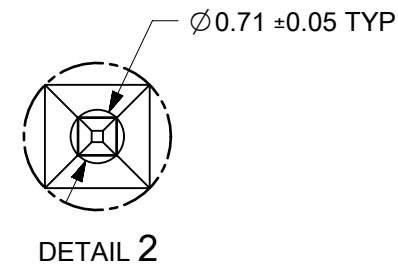
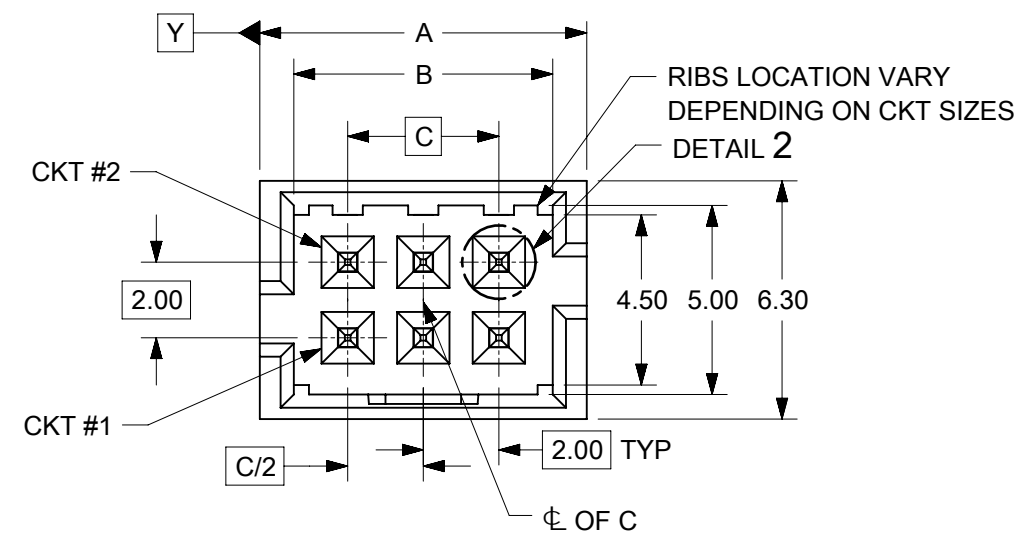
1. MATERIALS:  
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK  
PIN: 0.50mm SQ. PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES  
AND CRIMP TERMINAL: 50394 SERIES  
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES  
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE:  
79107 (GOLD PLATED), 78787 (TIN PLATED)

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                                      |                                                            |            |            |                                          |      |                                                                                       |                 |            |                                  |                                                      |                 |                            |                         |  |
|----------------------------------------------------------------------|------------------------------------------------------------|------------|------------|------------------------------------------|------|---------------------------------------------------------------------------------------|-----------------|------------|----------------------------------|------------------------------------------------------|-----------------|----------------------------|-------------------------|--|
| EC NO: 787294<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>APPR: MRAMAKRISHNA | 2024/05/23                                                 | 2024/05/24 | 2024/05/24 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |      |                                                                                       | DIMENSION UNITS |            | SCALE                            |                                                      | molex®          |                            |                         |  |
|                                                                      |                                                            |            |            | MM                                       |      | NTS                                                                                   |                 |            |                                  |                                                      |                 |                            |                         |  |
|                                                                      |                                                            |            |            | MM                                       | INCH | DRWN BY                                                                               |                 | DATE       |                                  | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |                 |                            |                         |  |
|                                                                      | 4 PLACES                                                   |            |            | ±                                        | ±    | GMENARLY                                                                              |                 | 2015/05/22 |                                  |                                                      |                 |                            |                         |  |
|                                                                      | 3 PLACES                                                   |            |            | ±                                        | ±    | CHK'D BY                                                                              |                 | DATE       |                                  |                                                      |                 |                            |                         |  |
|                                                                      | 2 PLACES                                                   |            |            | ± 0.2                                    | ±    | CGOH                                                                                  |                 | 2015/09/21 |                                  |                                                      |                 |                            |                         |  |
|                                                                      | 1 PLACES                                                   |            |            | ±                                        | ±    | APPR BY                                                                               |                 | DATE       |                                  |                                                      |                 |                            |                         |  |
|                                                                      | 0 PLACES                                                   |            |            | ±                                        | ±    | KHLIM                                                                                 |                 | 2015/09/22 |                                  | PRODUCT CUSTOMER DRAWING                             |                 |                            |                         |  |
|                                                                      | ANGULAR TOL ± 3.0                                          |            |            | DRAWING SIZE                             |      | THIRD ANGLE PROJECTION                                                                |                 |            |                                  |                                                      |                 |                            |                         |  |
|                                                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |            |            | A3                                       |      |  |                 | 87832      |                                  | SEE TABLE                                            |                 | CUSTOMER<br>GENERAL MARKET |                         |  |
| A24                                                                  | REV                                                        |            |            |                                          |      |                                                                                       |                 |            | DOCUMENT NUMBER<br>SD-87832-0001 |                                                      | DOC TYPE<br>PSD | DOC PART<br>001            | SHEET NUMBER<br>2 OF 13 |  |

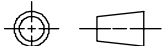




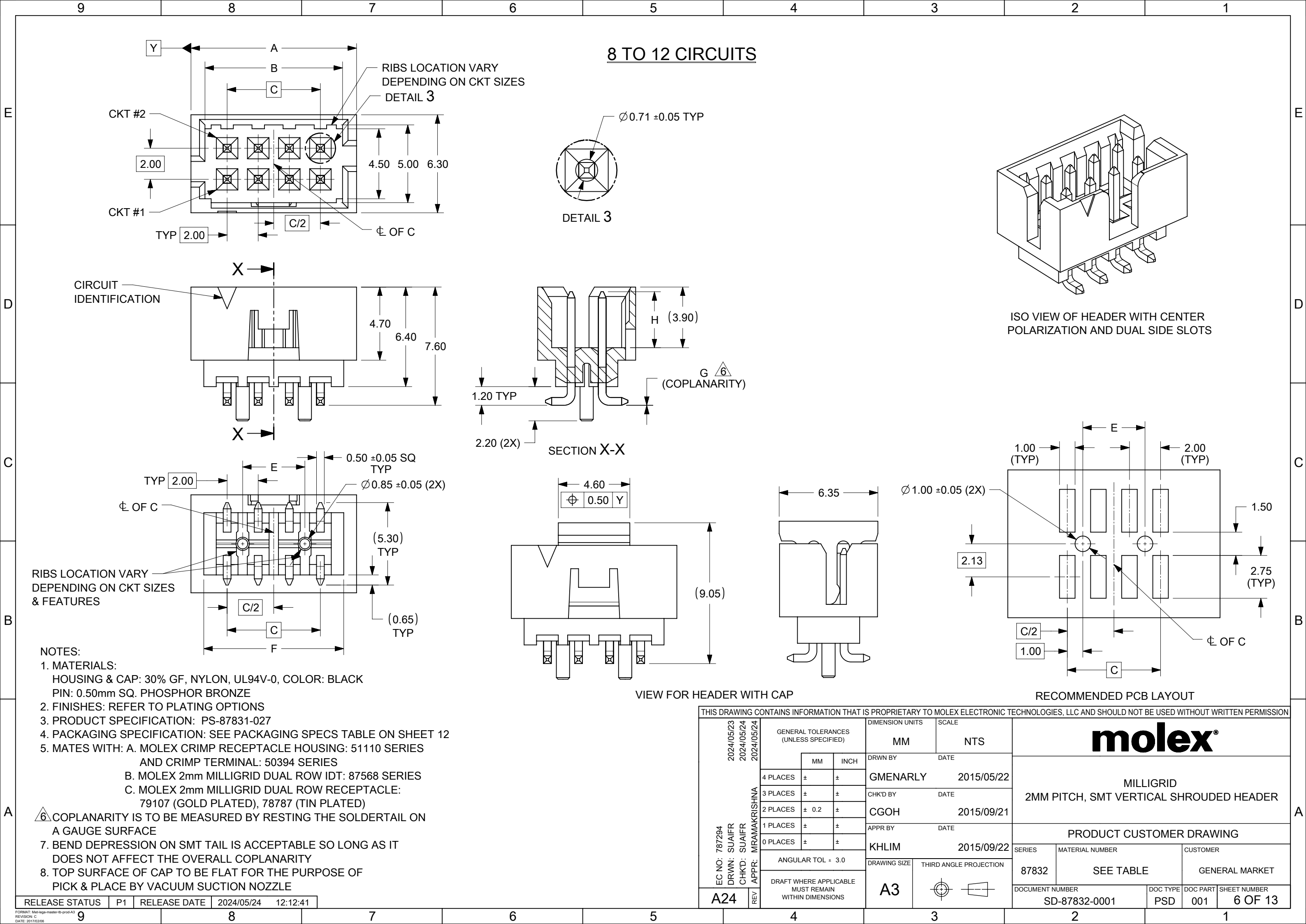
NOTES:

1. MATERIALS:  
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK  
PIN: 0.50mm SQ. PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES  
AND CRIMP TERMINAL: 50394 SERIES  
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES  
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|                |    |              |            |          |
|----------------|----|--------------|------------|----------|
| RELEASE STATUS | P1 | RELEASE DATE | 2024/05/24 | 12:12:41 |
|----------------|----|--------------|------------|----------|

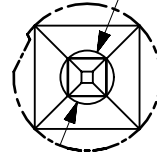
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                   |                                                            |    |              |                 |                        |                                                                                       |                          |                                                      |           |          |                |              |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------|----|--------------|-----------------|------------------------|---------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------|-----------|----------|----------------|--------------|--------|
| EC NO: 787294<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>APPR: MIRAMAKRISHNA                                                                         | 2024/05/23        | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |    |              | DIMENSION UNITS |                        | SCALE                                                                                 |                          | <div>molex®</div>                                    |           |          |                |              |        |
|                                                                                                                                               | 2024/05/24        |                                                            |    |              | MM              |                        | NTS                                                                                   |                          |                                                      |           |          |                |              |        |
|                                                                                                                                               | 2024/05/24        |                                                            | MM | INCH         | DRWN BY         |                        | DATE                                                                                  |                          | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |           |          |                |              |        |
|                                                                                                                                               | 4 PLACES          | ±                                                          | ±  | GMENARLY     |                 | 2015/05/22             |                                                                                       |                          |                                                      |           |          |                |              |        |
|                                                                                                                                               | 3 PLACES          | ±                                                          | ±  | CHK'D BY     |                 | DATE                   |                                                                                       |                          |                                                      |           |          |                |              |        |
|                                                                                                                                               | 2 PLACES          | ± 0.2                                                      | ±  | CGOH         |                 | 2015/09/21             |                                                                                       |                          |                                                      |           |          |                |              |        |
|                                                                                                                                               | 1 PLACES          | ±                                                          | ±  | APPR BY      |                 | DATE                   |                                                                                       |                          |                                                      |           |          |                |              |        |
|                                                                                                                                               | 0 PLACES          | ±                                                          | ±  | KHLIM        |                 | 2015/09/22             |                                                                                       | PRODUCT CUSTOMER DRAWING |                                                      |           |          |                |              |        |
|                                                                                                                                               | ANGULAR TOL = 3.0 |                                                            |    | DRAWING SIZE |                 | THIRD ANGLE PROJECTION |                                                                                       |                          |                                                      |           |          |                |              | SERIES |
|                                                                                                                                               |                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |    |              | A3              |                        |  |                          | 87832                                                | SEE TABLE |          | GENERAL MARKET |              |        |
| A24                                                                                                                                           | REV               |                                                            |    |              |                 |                        |                                                                                       |                          | DOCUMENT NUMBER                                      |           | DOC TYPE | DOC PART       | SHEET NUMBER |        |
|                                                                                                                                               |                   |                                                            |    |              |                 |                        |                                                                                       |                          | SD-87832-0001                                        |           | PSD      | 001            | 4 OF 13      |        |



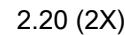


| 9                                                                                                                                             |                                                            | 8                                        |                                | 7                                 |                                     | 6                      |                | 5                        |                                                                                    | 4                          |                 | 3         |           | 2              |       | 1            |       |               |           |           |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|--------------------------------|-----------------------------------|-------------------------------------|------------------------|----------------|--------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------|-----------|-----------|----------------|-------|--------------|-------|---------------|-----------|-----------|-----------|
| 8 TO 12 CIRCUITS                                                                                                                              |                                                            |                                          |                                |                                   |                                     |                        |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
| CKT<br>SIZE                                                                                                                                   | ASSY P/N<br>WITHOUT CAP<br>IN TUBE                         | ASSY P/N<br>WITH CAP<br>IN TUBE          | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS     | FRICTION LOCKS |                          | DUAL<br>SIDE<br>SLOTS                                                              | CENTER<br>POLARIZ<br>ATION | PEGS            | DIMENSION |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          |                                |                                   |                                     |                        | DUAL           | CENTER                   |                                                                                    |                            |                 | A         | B         | C              | D     | E            | F     | G<br>(COPLAN) | H         |           |           |
| 8                                                                                                                                             | A24                                                        | 87832-0860                               | 87832-0862                     | 87832-5362                        |                                     | 1                      | 1              | N.A                      | N.A                                                                                | YES                        | YES             | YES       | 10.65     | 8.85           | 6.00  | N.A          | 4.00  | 9.00          | 0.10      | 3.60±0.20 |           |
|                                                                                                                                               |                                                            | 87832-0820                               | 87832-0822                     | 87832-5322                        | 87832-5330                          | 1                      | 2              |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 87832-0821                               | 87832-0823                     | 87832-5323                        |                                     | 1                      | 3              |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 87832-0870                               | 87832-0872                     | 87832-5372                        |                                     | 1                      | 4              |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-0812                                                 | 87832-0816                               | 87832-0814                     |                                   | 1                                   | 2                      | N.A            | N.A                      | YES                                                                                | YES                        | N.A             | 0.10      |           |                |       |              |       |               | 3.60±0.20 |           |           |
|                                                                                                                                               | 87832-0824                                                 | 87832-0826                               | 87832-0828                     |                                   | 1                                   | 2                      | N.A            | YES                      | YES                                                                                | N.A                        | N.A             |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-0825                                                 | 87832-0827                               | 87832-0829                     |                                   | 1                                   | 3                      | N.A            | YES                      | YES                                                                                | N.A                        | YES             |           |           |                |       |              |       |               |           | 0.10      | 3.60±0.20 |
|                                                                                                                                               | 87832-0810                                                 | 87832-0808                               | 87832-0806                     |                                   | 1                                   | 2                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-0811                                                 | 87832-0809                               | 87832-0807                     |                                   | 1                                   | 3                      | N.A            | YES                      | YES                                                                                | N.A                        | YES             | 0.10      |           |                |       |              |       |               | 3.60±0.20 |           |           |
| 87832-0804                                                                                                                                    | N.A                                                        | N.A                                      |                                | N.A                               | 2                                   | N.A                    | YES            | YES                      | N.A                                                                                | YES                        |                 |           |           |                |       |              |       |               |           |           |           |
| 10                                                                                                                                            | 87832-1060                                                 | 87832-1062                               | 87832-5462                     |                                   | 1                                   | 1                      | N.A            | N.A                      | YES                                                                                | YES                        | YES             | 12.65     | 10.85     | 8.00           | N.A   | 6.00         | 11.00 | 0.10          | 3.60±0.20 |           |           |
|                                                                                                                                               | 87832-1020                                                 | 87832-1022                               | 87832-5422                     | 87832-5430                        | 1                                   | 2                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1021                                                 | 87832-1023                               | 87832-5423                     |                                   | 1                                   | 3                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          | 87832-9423                     |                                   | 2                                   |                        |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1070                                                 | 87832-1072                               | 87832-5472                     |                                   | 1                                   | 4                      | N.A            | N.A                      | YES                                                                                | YES                        | N.A             |           |           |                |       |              |       | 0.10          | 3.60±0.20 |           |           |
|                                                                                                                                               | 87832-1012                                                 | 87832-1016                               | 87832-1014                     |                                   | 1                                   | 2                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1019                                                 | 87832-1045                               | 87832-1035                     |                                   | 1                                   | 1                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1024                                                 | 87832-1026                               | 87832-1028                     |                                   | 1                                   | 2                      | N.A            | YES                      | YES                                                                                | N.A                        | N.A             |           |           |                |       |              |       |               |           | 0.10      | 3.60±0.15 |
|                                                                                                                                               | N.A                                                        | N.A                                      | 87832-1055                     |                                   | 1                                   | 1                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1025                                                 | 87832-1027                               | 87832-1029                     |                                   | 1                                   | 3                      | N.A            | YES                      | YES                                                                                | N.A                        | YES             |           |           |                |       |              |       | 0.10          | 3.60±0.20 |           |           |
|                                                                                                                                               | 87832-1010                                                 | 87832-1008                               | 87832-1006                     |                                   | 1                                   | 2                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1011                                                 | 87832-1009                               | 87832-1007                     |                                   | 1                                   | 3                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
| 87832-1004                                                                                                                                    | N.A                                                        | N.A                                      |                                | N.A                               | 2                                   | N.A                    | YES            | YES                      | N.A                                                                                | YES                        | 0.10            | 3.60±0.20 |           |                |       |              |       |               |           |           |           |
| 12                                                                                                                                            | 87832-1260                                                 | 87832-1262                               | 87832-5562                     |                                   | 1                                   | 1                      | N.A            | N.A                      | YES                                                                                | YES                        |                 |           | YES       | 14.65          | 12.85 | 10.00        | N.A   | 8.00          | 13.00     | 0.10      | 3.60±0.20 |
|                                                                                                                                               | 87832-1220                                                 | 87832-1222                               | 87832-5522                     |                                   | 1                                   | 2                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1221                                                 | 87832-1223                               | 87832-5523                     |                                   | 1                                   | 3                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          | 87832-9623                     |                                   | 2                                   |                        |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1270                                                 | 87832-1272                               | 87832-5572                     |                                   | 1                                   | 4                      | N.A            | YES                      | YES                                                                                | N.A                        | N.A             | 0.10      | 3.60±0.15 |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1224                                                 | 87832-1226                               | 87832-1228                     |                                   | 1                                   | 2                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1225                                                 | 87832-1227                               | 87832-1229                     |                                   | 1                                   | 3                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1210                                                 | 87832-1208                               | 87832-1206                     |                                   | 1                                   | 2                      | N.A            | YES                      | YES                                                                                | N.A                        | YES             |           |           |                |       |              |       |               |           | 0.10      | 3.60±0.20 |
|                                                                                                                                               | 87832-1211                                                 | 87832-1209                               | 87832-1207                     |                                   | 1                                   | 3                      |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | 87832-1204                                                 | N.A                                      | N.A                            |                                   | N.A                                 | 2                      | N.A            | YES                      | YES                                                                                | N.A                        | YES             | 0.10      | 3.60±0.20 |                |       |              |       |               |           |           |           |
| 87832-1212                                                                                                                                    | N.A                                                        | N.A                                      |                                | N.A                               | 2                                   | N.A                    | N.A            | YES                      | YES                                                                                | N.A                        |                 |           |           |                |       |              |       |               |           |           |           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |                                          |                                |                                   |                                     |                        |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
| EC NO: 787294<br>DRWN: SUAIFR<br>CHKD: SUAIFR<br>REV APPR: MRAMAKRISHNA                                                                       | 2024/05/23<br>2024/05/24<br>2024/05/24                     | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                |                                   | DIMENSION UNITS                     |                        | SCALE          |                          | <div>molex®</div> <div>MILLIGRID<br/>2MM PITCH, SMT VERTICAL SHROUDED HEADER</div> |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          |                                |                                   | MM                                  |                        | NTS            |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          | MM                             | INCH                              | DRWN BY                             | DATE                   |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 4 PLACES                                 | ±                              | ±                                 | GMENARLY                            | 2015/05/22             |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 3 PLACES                                 | ±                              | ±                                 | CHK'D BY                            | DATE                   |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 2 PLACES                                 | ± 0.2                          | ±                                 | CGOH                                | 2015/09/21             |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 1 PLACES                                 | ±                              | ±                                 | APPR BY                             | DATE                   |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | 0 PLACES                                 | ±                              | ±                                 | KHLIM                               | 2015/09/22             |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            | ANGULAR TOL = 3.0                        |                                |                                   | DRAWING SIZE                        | THIRD ANGLE PROJECTION |                | PRODUCT CUSTOMER DRAWING |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
|                                                                                                                                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          |                                | A3                                |                                     |                        |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
| A24                                                                                                                                           | REV                                                        |                                          |                                |                                   |                                     |                        |                |                          | SERIES                                                                             |                            | MATERIAL NUMBER |           | CUSTOMER  |                |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          |                                |                                   |                                     |                        |                |                          |                                                                                    | 87832                      |                 | SEE TABLE |           | GENERAL MARKET |       |              |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          |                                |                                   |                                     |                        |                |                          |                                                                                    | DOCUMENT NUMBER            |                 | DOC TYPE  |           | DOC PART       |       | SHEET NUMBER |       |               |           |           |           |
|                                                                                                                                               |                                                            |                                          |                                |                                   |                                     |                        |                |                          |                                                                                    | SD-87832-0001              |                 | PSD       |           | 001            |       | 7 OF 13      |       |               |           |           |           |
| RELEASE STATUS                                                                                                                                |                                                            | P1                                       | RELEASE DATE                   |                                   | 2024/05/24                          | 12:12:41               |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |
| 9                                                                                                                                             |                                                            | 8                                        |                                | 7                                 |                                     | 6                      |                | 5                        |                                                                                    | 4                          |                 | 3         |           | 2              |       | 1            |       |               |           |           |           |
| FORMAT: Met-lega-master-ib-prod-A3<br>REVISION: C<br>DATE: 2017/02/06                                                                         |                                                            |                                          |                                |                                   |                                     |                        |                |                          |                                                                                    |                            |                 |           |           |                |       |              |       |               |           |           |           |

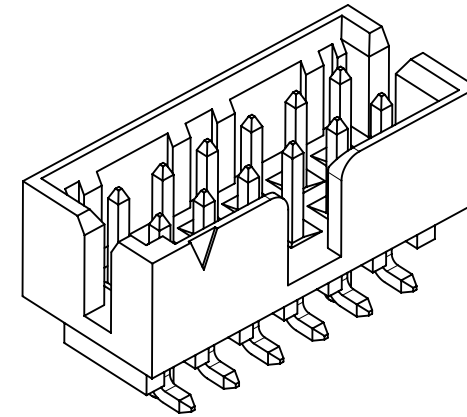
Ø0.71 ±0.05 TYP



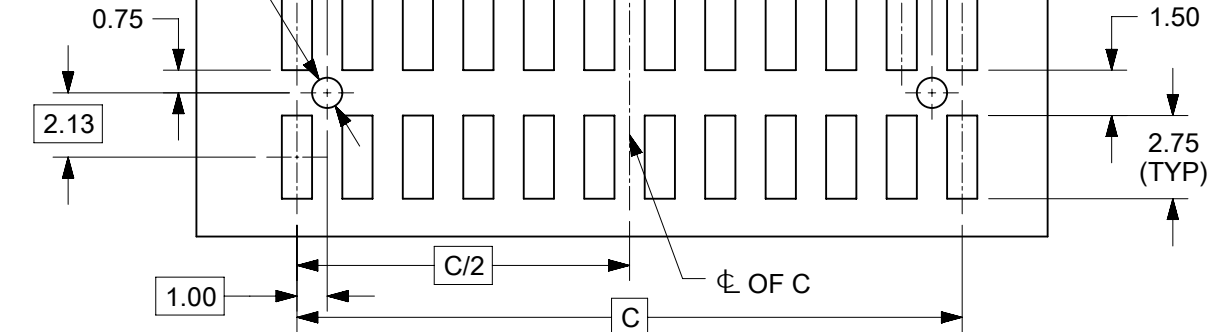
1.20 TY



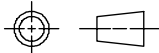
G  $\triangle 6$   
COPLANARITY)



$\varnothing 1.00 \pm 0.05$  (2X)



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                                      |            |                                          |                                                            |       |                 |          |                                                                                       |                 |        |                                                      |           |          |                |
|----------------------------------------------------------------------|------------|------------------------------------------|------------------------------------------------------------|-------|-----------------|----------|---------------------------------------------------------------------------------------|-----------------|--------|------------------------------------------------------|-----------|----------|----------------|
| EC NO: 787294<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>APPR: MRAMAKRISHNA | 2024/05/23 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                            |       | DIMENSION UNITS |          | SCALE                                                                                 |                 | molex® |                                                      |           |          |                |
|                                                                      | 2024/05/24 |                                          |                                                            |       | MM              |          | NTS                                                                                   |                 |        |                                                      |           |          |                |
|                                                                      | 2024/05/24 |                                          |                                                            | MM    | INCH            | DRWN BY  |                                                                                       | DATE            |        | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |           |          |                |
|                                                                      |            |                                          | 4 PLACES                                                   | ±     | ±               | GMENARLY |                                                                                       | 2015/05/22      |        |                                                      |           |          |                |
|                                                                      |            |                                          | 3 PLACES                                                   | ±     | ±               | CHK'D BY |                                                                                       | DATE            |        |                                                      |           |          |                |
|                                                                      |            |                                          | 2 PLACES                                                   | ± 0.2 | ±               | CGOH     |                                                                                       | 2015/09/21      |        |                                                      |           |          |                |
|                                                                      |            |                                          | 1 PLACES                                                   | ±     | ±               | APPR BY  |                                                                                       | DATE            |        |                                                      |           |          |                |
|                                                                      |            |                                          | 0 PLACES                                                   | ±     | ±               | KHLIM    |                                                                                       | 2015/09/22      |        | PRODUCT CUSTOMER DRAWING                             |           |          |                |
|                                                                      |            |                                          | ANGULAR TOL ± 3.0                                          |       | DRAWING SIZE    |          | THIRD ANGLE PROJECTION                                                                |                 | SERIES |                                                      |           |          |                |
|                                                                      |            |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | A3              |          |  |                 | 87832  |                                                      | SEE TABLE |          | GENERAL MARKET |
| A24                                                                  | REV        |                                          |                                                            |       |                 |          |                                                                                       | DOCUMENT NUMBER |        | DOC TYPE                                             |           | DOC PART | SHEET NUMBER   |
|                                                                      |            |                                          |                                                            |       |                 |          |                                                                                       | SD-87832-0001   |        | PSD                                                  |           | 001      | 8 OF 13        |

NOTES:

1. MATERIALS:  
HOUSING & CAP: 30% GF, NYLON, UL94V-0, COLOR: BLACK  
PIN: 0.50mm SQ. PHOSPHOR BRONZE
2. FINISHES: REFER TO PLATING OPTIONS
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 12
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES  
AND CRIMP TERMINAL: 50394 SERIES  
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES  
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE:  
79107 (GOLD PLATED), 78787 (TIN PLATED)
6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON  
A GAUGE SURFACE
7. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT  
DOES NOT AFFECT THE OVERALL COPLANARITY
8. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF  
PICK & PLACE BY VACUUM SUCTION NOZZLE

|                |    |              |            |          |
|----------------|----|--------------|------------|----------|
| RELEASE STATUS | P1 | RELEASE DATE | 2024/05/24 | 12:12:41 |
|----------------|----|--------------|------------|----------|



| 9                 |                                    | 8                               |                                | 7                                 |                                     | 6                  |                | 5      |                       | 4                          |      | 3         |       | 2     |       | 1     |       |               |           |
|-------------------|------------------------------------|---------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------|----------------|--------|-----------------------|----------------------------|------|-----------|-------|-------|-------|-------|-------|---------------|-----------|
| 26 TO 38 CIRCUITS |                                    |                                 |                                |                                   |                                     |                    |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
| CKT<br>SIZE       | ASSY P/N<br>WITHOUT CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |        | DUAL<br>SIDE<br>SLOTS | CENTER<br>POLARIZA<br>TION | PEGS | DIMENSION |       |       |       |       |       |               |           |
|                   |                                    |                                 |                                |                                   |                                     |                    | DUAL           | CENTER |                       |                            |      | A         | B     | C     | D     | E     | F     | G<br>(COPLAN) | H         |
| 26                | 87832-2660                         | 87832-2662                      | 87832-6262                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 28.65     | 26.85 | 24.00 | 20.00 | 22.00 | 27.00 | 0.15          | 3.60±0.20 |
|                   | 87832-2620                         | 87832-2622                      | 87832-6222                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-2621                         | 87832-2623                      | 87832-6223                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-2670                         | 87832-2672                      | 87832-6272                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-2612                         | 87832-2616                      | N.A                            |                                   | N.A                                 | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |
|                   | 87832-2619                         | 87832-2645                      | 87832-2635                     |                                   | 1                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
| 28                | 87832-2860                         | 87832-2862                      | 87832-6362                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 30.65     | 28.85 | 26.00 | 22.00 | 24.00 | 29.00 | 0.15          | 3.60±0.20 |
|                   | 87832-2820                         | 87832-2822                      | 87832-6322                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-2821                         | 87832-2823                      | 87832-6323                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-2870                         | 87832-2872                      | 87832-6372                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | N.A                                | 87832-2816                      | N.A                            |                                   | 1                                   | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |
|                   | N.A                                | 87832-2819                      | N.A                            |                                   | 1                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
| 30                | 87832-3060                         | 87832-3062                      | 87832-6462                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 32.65     | 30.85 | 28.00 | 24.00 | 26.00 | 31.00 | 0.15          | 3.60±0.20 |
|                   | 87832-3020                         | 87832-3022                      | 87832-6422                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3021                         | 87832-3023                      | 87832-6423                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3070                         | 87832-3072                      | 87832-6472                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3012                         | 87832-3016                      | 87832-3014                     |                                   | 3                                   | 2                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |
| 32                | 87832-3260                         | 87832-3262                      | 87832-6562                     |                                   | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 34.65     | 32.85 | 30.00 | 26.00 | 28.00 | 33.00 | 0.15          | 3.60±0.20 |
|                   | 87832-3220                         | 87832-3222                      | 87832-6522                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3221                         | 87832-3223                      | 87832-6523                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3270                         | 87832-3272                      | 87832-6572                     |                                   | 1                                   | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
| 34                | 87832-3460                         | 87832-3462                      | 87832-6662                     | 87832-6630                        | 1                                   | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 36.65     | 34.85 | 32.00 | 28.00 | 30.00 | 35.00 | 0.15          | 3.60±0.20 |
|                   | 87832-3420                         | 87832-3422                      | 87832-6622                     |                                   | 1                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3421                         | 87832-3423                      | 87832-6623                     |                                   | 1                                   | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3470                         | 87832-3472                      | 87832-6672                     |                                   | 1                                   | 4                  | YES            | N.A    | YES                   | YES                        | N.A  |           |       |       |       |       |       | 0.15          | 3.60±0.20 |
|                   | 87832-3412                         | 87832-3416                      | 87832-3414                     |                                   | 3                                   | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3419                         | 87832-3445                      | 87832-3435                     |                                   | 3                                   | 1                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
| 36                | 87832-3660                         | 87832-3662                      | N.A                            |                                   | N.A                                 | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 38.65     | 36.85 | 34.00 | 30.00 | 32.00 | 37.00 | 0.15          | 3.60±0.20 |
|                   | 87832-3620                         | 87832-3622                      | N.A                            |                                   | N.A                                 | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3621                         | 87832-3623                      | 87832-3673                     |                                   | N.A                                 | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3670                         | 87832-3672                      | N.A                            |                                   | N.A                                 | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
| 38                | 87832-3860                         | 87832-3862                      | N.A                            |                                   | N.A                                 | 1                  | YES            | N.A    | YES                   | YES                        | YES  | 40.65     | 38.85 | 36.00 | 32.00 | 34.00 | 39.00 | 0.15          | 3.60±0.20 |
|                   | 87832-3820                         | 87832-3822                      | 87832-6822                     |                                   | N.A                                 | 2                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3821                         | 87832-3823                      | 87832-3874                     |                                   | N.A                                 | 3                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |
|                   | 87832-3870                         | 87832-3872                      | N.A                            |                                   | N.A                                 | 4                  |                |        |                       |                            |      |           |       |       |       |       |       |               |           |

PLATING OPTIONS:  
1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND  
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER  
1.27µm/50µin MIN. NICKEL OVERALL.  
2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND  
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER  
1.27µm/50µin MIN. NICKEL OVERALL.  
3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND  
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER  
1.27µm/50µin MIN. NICKEL OVERALL.  
4 - 2.50µm/100µin MIN. MATTE TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                                       |                                        |                                          |    |      |                 |         |              |      |                                                      |                          |                |  |                 |  |              |  |
|-----------------------------------------------------------------------|----------------------------------------|------------------------------------------|----|------|-----------------|---------|--------------|------|------------------------------------------------------|--------------------------|----------------|--|-----------------|--|--------------|--|
| EC NO: 787294<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>APPR: MIRAMAKRISHNA | 2024/05/23<br>2024/05/24<br>2024/05/24 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |    |      | DIMENSION UNITS |         | SCALE        |      | <div>molex®</div>                                    |                          |                |  |                 |  |              |  |
|                                                                       |                                        |                                          | MM | INCH | MM              |         | NTS          |      |                                                      |                          |                |  |                 |  |              |  |
|                                                                       |                                        | 4 PLACES                                 | ±  | ±    | DRWN BY         |         | DATE         |      | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |                          |                |  |                 |  |              |  |
|                                                                       |                                        | GMENARLY                                 |    |      | 2015/05/22      |         |              |      |                                                      |                          |                |  |                 |  |              |  |
|                                                                       |                                        | 3 PLACES                                 | ±  | ±    | CHK'D BY        |         | DATE         |      |                                                      |                          |                |  |                 |  |              |  |
|                                                                       |                                        | CGOH                                     |    |      | 2015/09/21      |         |              |      |                                                      |                          |                |  |                 |  |              |  |
|                                                                       |                                        | 2 PLACES                                 | ±  | 0.2  | ±               | APPR BY |              | DATE |                                                      | PRODUCT CUSTOMER DRAWING |                |  |                 |  |              |  |
|                                                                       |                                        | KHLIM                                    |    |      | 2015/09/22      |         |              |      |                                                      |                          |                |  |                 |  |              |  |
|                                                                       |                                        | 0 PLACES                                 |    |      | ±               | ±       | DRAWING SIZE |      | THIRD ANGLE PROJECTION                               |                          | SERIES         |  | MATERIAL NUMBER |  | CUSTOMER     |  |
|                                                                       |                                        | ANGULAR TOL ± 3.0                        |    |      | A3              |         | 87832        |      | SEE TABLE                                            |                          | GENERAL MARKET |  |                 |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS            |                                        |                                          | A3 |      | 87832           |         | SEE TABLE    |      | GENERAL MARKET                                       |                          |                |  |                 |  |              |  |
| A24                                                                   |                                        | REV                                      |    |      |                 |         |              |      | DOCUMENT NUMBER                                      |                          | DOC TYPE       |  | DOC PART        |  | SHEET NUMBER |  |
|                                                                       |                                        |                                          |    |      |                 |         |              |      | SD-87832-0001                                        |                          | PSD            |  | 001             |  | 10 OF 13     |  |

RELEASE STATUS

P1

RELEASE DATE

2024/05/24

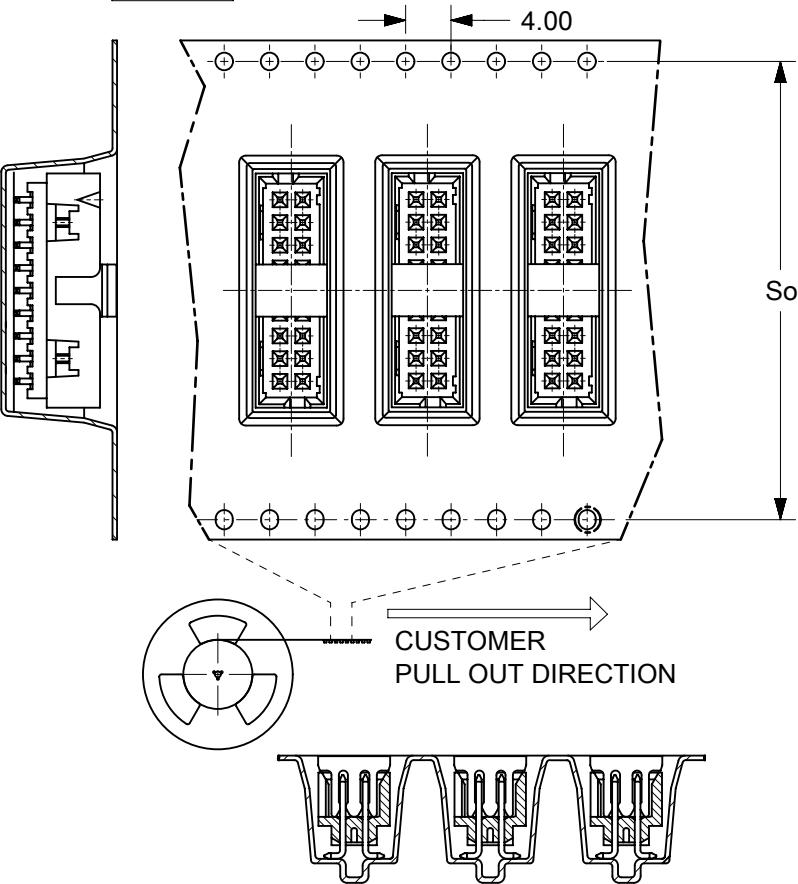
12:12:41

|   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |
|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|
| 9 |  | 8 |  | 7 |  | 6 |  | 5 |  | 4 |  | 3 |  | 2 |  | 1 |  |
|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|

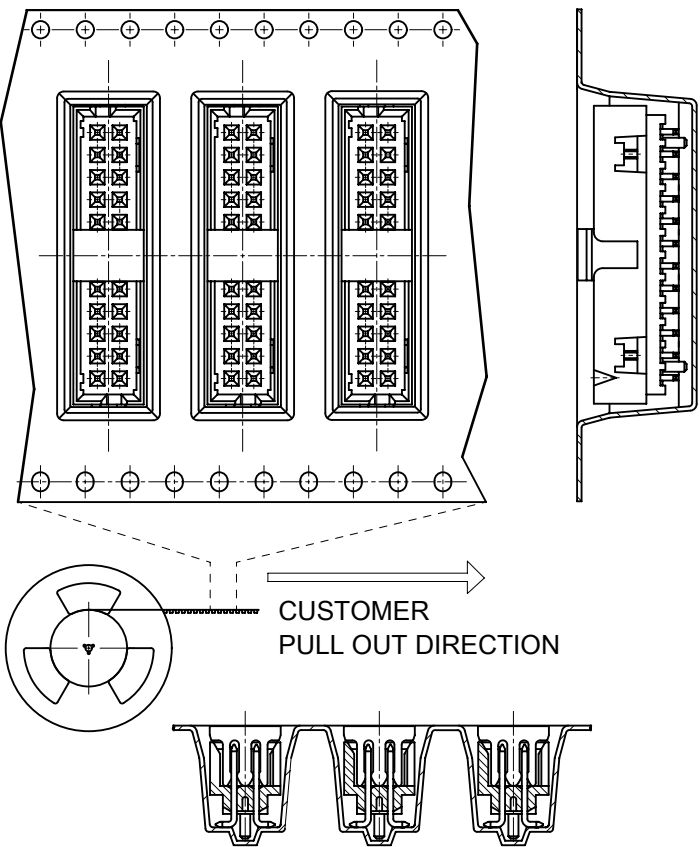
|                   |             |                                    |                                 |                                |                                   |                                     |                    |                |     |                       |                            |      |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-------------|------------------------------------|---------------------------------|--------------------------------|-----------------------------------|-------------------------------------|--------------------|----------------|-----|-----------------------|----------------------------|------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   |             | 9                                  |                                 | 8                              |                                   | 7                                   |                    | 6              |     | 5                     |                            | 4    |           | 3   |     | 2   |     | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 40 TO 50 CIRCUITS |             |                                    |                                 |                                |                                   |                                     |                    |                |     |                       |                            |      |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| E                 | CKT<br>SIZE | ASSY P/N<br>WITHOUT CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN TUBE | ASSY P/N<br>WITH CAP<br>IN T&R | ASSY P/N<br>WITHOUT CAP<br>IN T&R | T&R<br>OPTIONS<br>(SEE<br>SHEET 12) | PLATING<br>OPTIONS | FRICTION LOCKS |     | DUAL<br>SIDE<br>SLOTS | CENTER<br>POLARIZA<br>TION | PEGS | DIMENSION |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |             |                                    |                                 |                                |                                   |                                     |                    | YES            | N.A |                       |                            |      | YES       | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |

PACKAGING OPTIONS

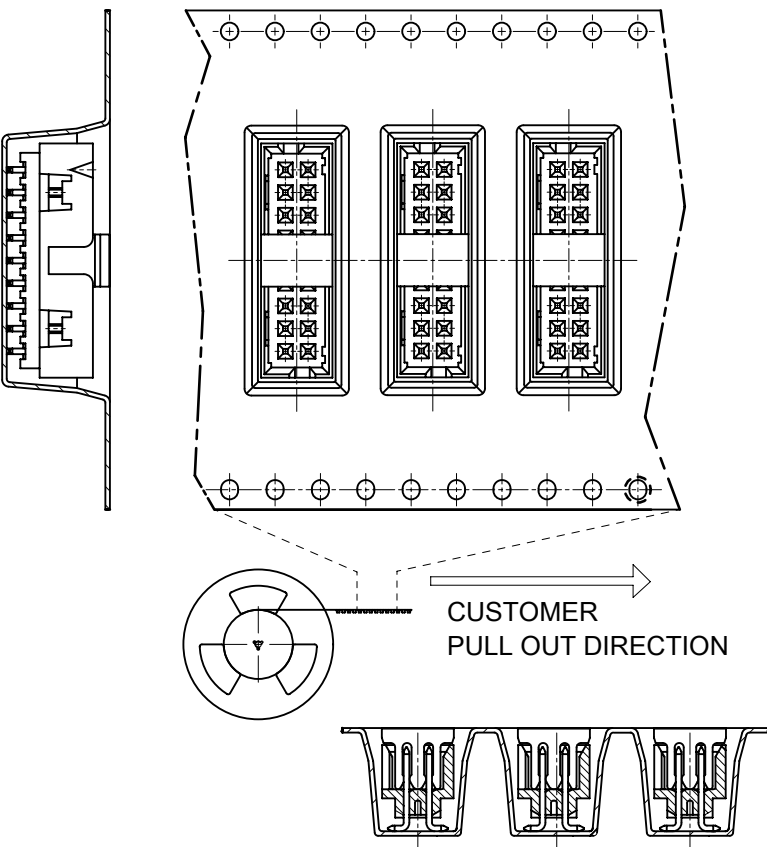
OPTION 1



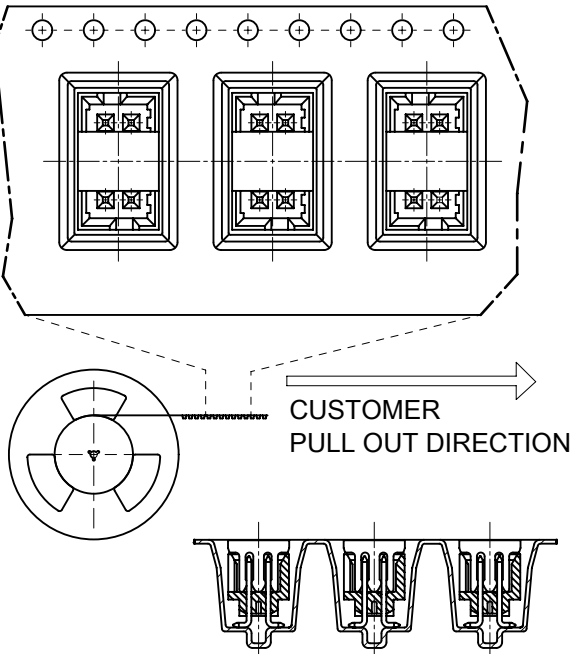
OPTION 2



OPTION 3



VIEW FOR 1 SIDE PILOT HOLE



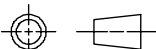
PACKAGING SPECIFICATION TABLE

|                                                                                          |              |
|------------------------------------------------------------------------------------------|--------------|
| TAPE AND REEL PACKAGING                                                                  | PK-87832-300 |
| TUBE STANDARD PACKAGING                                                                  | PK-87831-001 |
| TUBE NON-STANDARD PACKAGING FOR:<br>87832-0411<br>87832-0824<br>87832-1072<br>87832-1412 | PK-87831-002 |

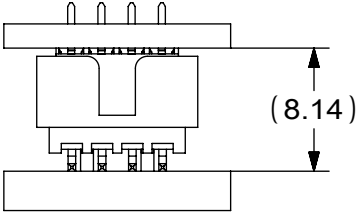
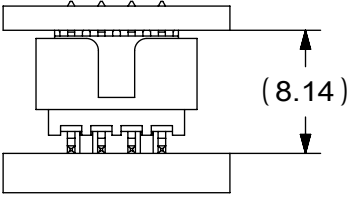
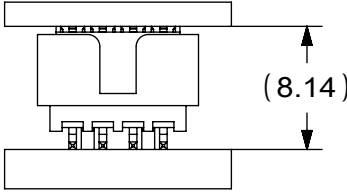
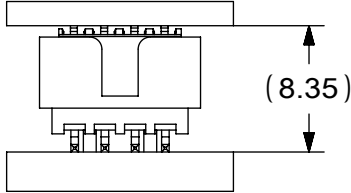
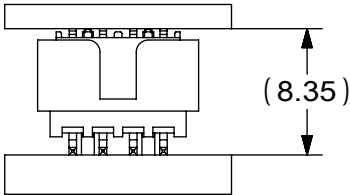
EMBOSSED TAPE & REEL POCKET DESCRIPTIONS

| OPTIONS | CENTER POLARIZATION OPTIONS |              | PEG OPTIONS |             | PILOT HOLE OPTIONS |          |
|---------|-----------------------------|--------------|-------------|-------------|--------------------|----------|
|         | ON THE LEFT                 | ON THE RIGHT | WITH PEG    | WITHOUT PEG | 2 SIDES            | 1 SIDE   |
| 1       | YES                         | N.A          | YES         | N.A         | CKT 12-50          | CKT 4-10 |
| 2       | N.A                         | YES          | YES         | YES         | CKT 12-50          | CKT 4-10 |
| 3       | YES                         | N.A          | N.A         | YES         | CKT 12-50          | CKT 4-10 |

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|                                                                          |                                                            |                                          |    |              |                 |                                                                                       |       |                          |                                                      |  |                |          |                 |  |
|--------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|----|--------------|-----------------|---------------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------------------|--|----------------|----------|-----------------|--|
| EC NO: 787294<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>REV APPR: MRAMAKRISHNA | 2024/05/23                                                 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |    |              | DIMENSION UNITS |                                                                                       | SCALE |                          | molex®                                               |  |                |          |                 |  |
|                                                                          | 2024/05/24                                                 |                                          |    |              | MM              |                                                                                       | NTS   |                          |                                                      |  |                |          |                 |  |
|                                                                          | 2024/05/24                                                 |                                          | MM | INCH         | DRWN BY         |                                                                                       | DATE  |                          | MILLIGRID<br>2MM PITCH, SMT VERTICAL SHROUDED HEADER |  |                |          |                 |  |
|                                                                          | 4 PLACES                                                   | ±                                        | ±  | GMENARLY     |                 | 2015/05/22                                                                            |       |                          |                                                      |  |                |          |                 |  |
|                                                                          | 3 PLACES                                                   | ±                                        | ±  | CHK'D BY     |                 | DATE                                                                                  |       |                          |                                                      |  |                |          |                 |  |
|                                                                          | 2 PLACES                                                   | ± 0.2                                    | ±  | CGOH         |                 | 2015/09/21                                                                            |       |                          |                                                      |  |                |          |                 |  |
|                                                                          | 1 PLACES                                                   | ±                                        | ±  | APPR BY      |                 | DATE                                                                                  |       |                          |                                                      |  |                |          |                 |  |
|                                                                          | 0 PLACES                                                   | ±                                        | ±  | KHLIM        |                 | 2015/09/22                                                                            |       | PRODUCT CUSTOMER DRAWING |                                                      |  |                |          |                 |  |
|                                                                          | ANGULAR TOL ± 3.0                                          |                                          |    | DRAWING SIZE |                 | THIRD ANGLE PROJECTION                                                                |       |                          |                                                      |  |                | SERIES   | MATERIAL NUMBER |  |
|                                                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          |    | A3           |                 |  |       | 87832                    | SEE TABLE                                            |  | GENERAL MARKET |          |                 |  |
| A24                                                                      | REV                                                        |                                          |    |              |                 |                                                                                       |       |                          | DOCUMENT NUMBER                                      |  | DOC TYPE       | DOC PART | SHEET NUMBER    |  |
|                                                                          |                                                            |                                          |    |              |                 |                                                                                       |       |                          | SD-87832-0001                                        |  | PSD            | 001      | 12 OF 13        |  |

BOARD TO BOARD (BTB) DISTANCE

| HEADER | MATES WITH<br>(RECEPTACLE) | BTB DIST. | PICTORIAL VIEW                                                                        |
|--------|----------------------------|-----------|---------------------------------------------------------------------------------------|
| 87832  | 79107                      | 8.14      |    |
|        | 78787                      | 8.14      |    |
|        | 79108                      | 8.14      |   |
|        | 79109                      | 8.35      |  |
|        | 78788                      | 8.35      |  |

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|                                                      |       |                        |         |
|------------------------------------------------------|-------|------------------------|---------|
| DIMENSION UNITS                                      |       | SCALE                  |         |
| mm                                                   |       | NTS                    |         |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       |                        |         |
|                                                      | MM    | INCH                   |         |
| 4 PLACES                                             | ±     | ±                      |         |
| 3 PLACES                                             | ±     | ±                      |         |
| 2 PLACES                                             | ± 0.2 | ±                      |         |
| 1 PLACE                                              | ±     | ±                      |         |
| 0 PLACES                                             | ±     | ±                      |         |
| ANGULAR TOL                                          |       | ± 3.0 °                |         |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION | DRAWING |
|                                                      |       |                        | A3-SIZE |

CURRENT REV DESC:

EC NO: 787294  
DRWN: SUAIFR 2024/05/23  
CHK'D: SUAIFR 2024/05/24  
APPR: MRAMAKRISHNA 2024/05/24

INITIAL REVISION:  
DRWN: DRWN BY XXXX/XX/XX  
APPR: APPR BY XXXX/XX/XX

SD-87832-0001

DOCUMENT NUMBER

PSD

001

A24

DOC TYPE

DOC PART

REVISION

PRODUCT CUSTOMER DRAWING

GENERAL MARKET

13 OF 13

SHEET NUMBER