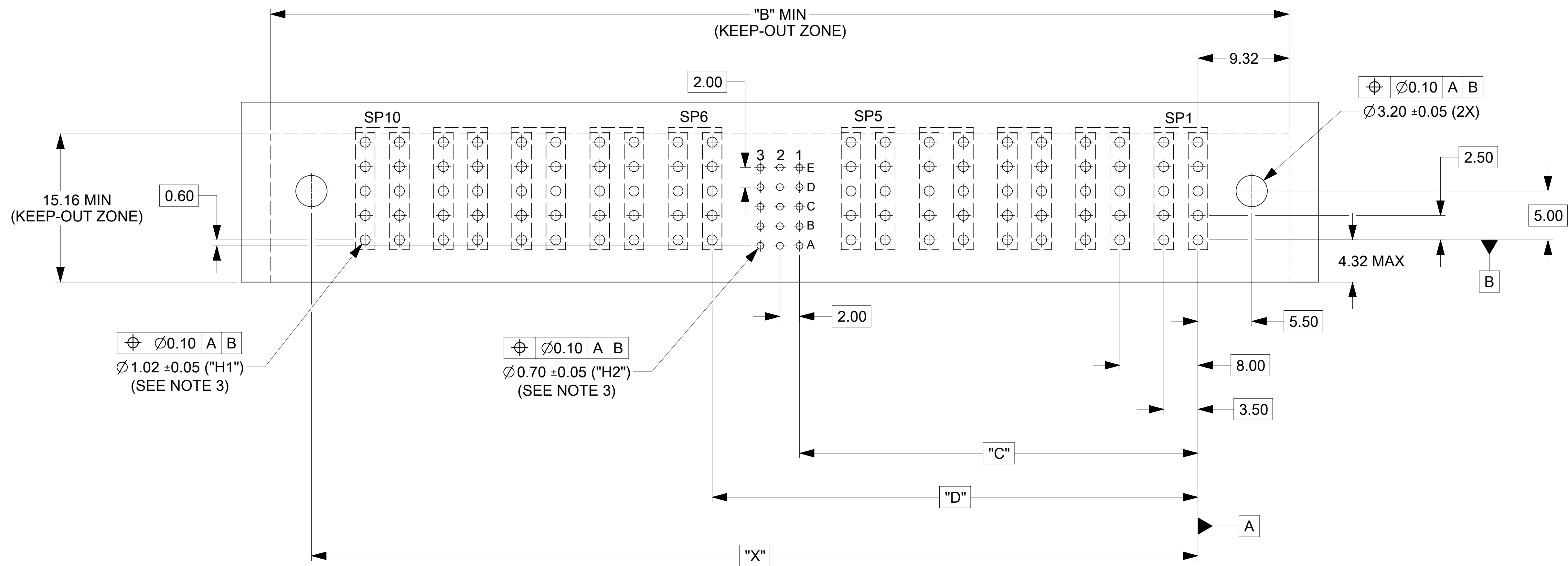


- NOTES:
- MATERIAL:
    - HOUSINGS: LCP UL94, V-0, COLOR: BLACK
    - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
    - PLATING: 1.27 MICROMETER (50 MICROINCH) NICKEL OVERALL WITH 2.54 MICROMETER (100 MICROINCH) SELECTIVE TIN ON TAILS AND 0.762 MICROMETER (30 MICROINCH) SELECTIVE GOLD ON CONTACT AREA
  - PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 1710901001-PK
  - PLATED THRU HOLE SIZE, REFER TO PS-171088-0000 FOR DETAILS
  - PRODUCT SPEC: PS-171088-0000
  - APPLICATION SPEC: AS-46436-100
  - PRODUCT TO MEET RoHS REQUIREMENTS
  - ASSEMBLY MATES TO MOLEX PLUG ASSEMBLY P/N 171088-\*\*\*\* (SEE TABLE IN SHEET 2)
  - TAIL DESIGN: COMPLIANT TAILS
  - POWER AND SIGNAL CONTACTS ARE LUBRICATED.
  - MOLEX LOGO TO BE LOCATED APPROXIMATELY AS SHOWN.

|   |        |                                   |                            |
|---|--------|-----------------------------------|----------------------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                                   |                            |
| DIMENSION UNITS   | SCALE  | CURRENT REV DESC: ADDED ISO VIEWS |                            |
| mm  | 3:1    |                                   |                            |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        |                                   |                            |
| ANGULAR TOL   | ± 0.5° |                                   |                            |
| 4 PLACES  | ±      | EC NO: 689821                     | 2021/12/15                 |
| 3 PLACES  | ±      | DRWN: KSUTAR                      | 2021/12/22                 |
| 2 PLACES  | ± 0.13 | CHK'D: GJEEVANSURES               | 2022/02/14                 |
| 1 PLACE   | ± 0.25 | APPR: HTHYAGARAJ                  |                            |
| 0 PLACES  | ±      | INITIAL REVISION:                 |                            |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | DRWN: KSUTAR                      | 2021/09/27                 |
|   |        | APPR: HTHYAGARAJ                  | 2021/11/08                 |
| THIRD ANGLE PROJECTION  |        | DRAWING                           | SERIES                     |
|   |        | D-SIZE                            | 171090                     |
|   |        | MATERIAL NUMBER                   | CUSTOMER                   |
|   |        | SEE TABLE                         | GENERAL MARKET             |
|   |        | DOCUMENT NUMBER                   | DOC TYPE DOC PART REVISION |
|   |        | 1710908430                        | PSD 000 A1                 |
|   |        | SHEET NUMBER                      | 1 OF 4                     |

RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE FOR G-(1SP TO 5SP)-30S-(1SP TO 5SP)-G



RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE FOR G-(1SP TO 5SP)-15S-(1SP TO 5SP)-G

REFER TO BELOW TABLE FOR DIMENSIONS.

| FG P/N     | CONFIGURATION   | POWER CKT SIZE | SIGNAL CKT SIZE | DIM "A" (IN MM) | DIM "B" (IN MM) | DIM "C" (IN MM) | DIM "D" (IN MM) | DIM "X" (IN MM) | HOLES COUNT "H1" | HOLES COUNT "H2" | MATES WITH R/A PLUG ASSY P/N |
|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------------------|
| 1710908421 | G-1SP-15S-1SP-G | 1              | 15              | 39.21           | 40.21           | 8.78            | 17.71           | 26.71           | 20               | 15               | 1710888421                   |
| 1710908422 | G-2SP-15S-2SP-G | 2              | 15              | 55.21           | 56.21           | 16.78           | 25.71           | 42.71           | 40               | 15               | 1710888422                   |
| 1710908423 | G-3SP-15S-3SP-G | 3              | 15              | 71.21           | 72.21           | 24.78           | 33.71           | 58.71           | 60               | 15               | 1710888423                   |
| 1710908424 | G-4SP-15S-4SP-G | 4              | 15              | 87.21           | 88.21           | 32.78           | 41.71           | 74.71           | 80               | 15               | 1710888424                   |
| 1710908425 | G-5SP-15S-5SP-G | 5              | 15              | 103.21          | 104.21          | 40.78           | 49.71           | 90.71           | 100              | 15               | 1710888425                   |
| 1710908426 | G-1SP-30S-1SP-G | 1              | 30              | 45.21           | 46.21           | 8.78            | 23.71           | 32.71           | 20               | 30               | 1710888426                   |
| 1710908427 | G-2SP-30S-2SP-G | 2              | 30              | 61.21           | 62.21           | 16.78           | 31.71           | 48.71           | 40               | 30               | 1710888427                   |
| 1710908428 | G-3SP-30S-3SP-G | 3              | 30              | 77.21           | 78.21           | 24.78           | 39.71           | 64.71           | 60               | 30               | 1710888428                   |
| 1710908429 | G-4SP-30S-4SP-G | 4              | 30              | 93.21           | 94.21           | 32.78           | 47.71           | 80.71           | 80               | 30               | 1710888429                   |
| 1710908430 | G-5SP-30S-5SP-G | 5              | 30              | 109.21          | 110.21          | 40.78           | 55.71           | 96.71           | 100              | 30               | 1710888430                   |

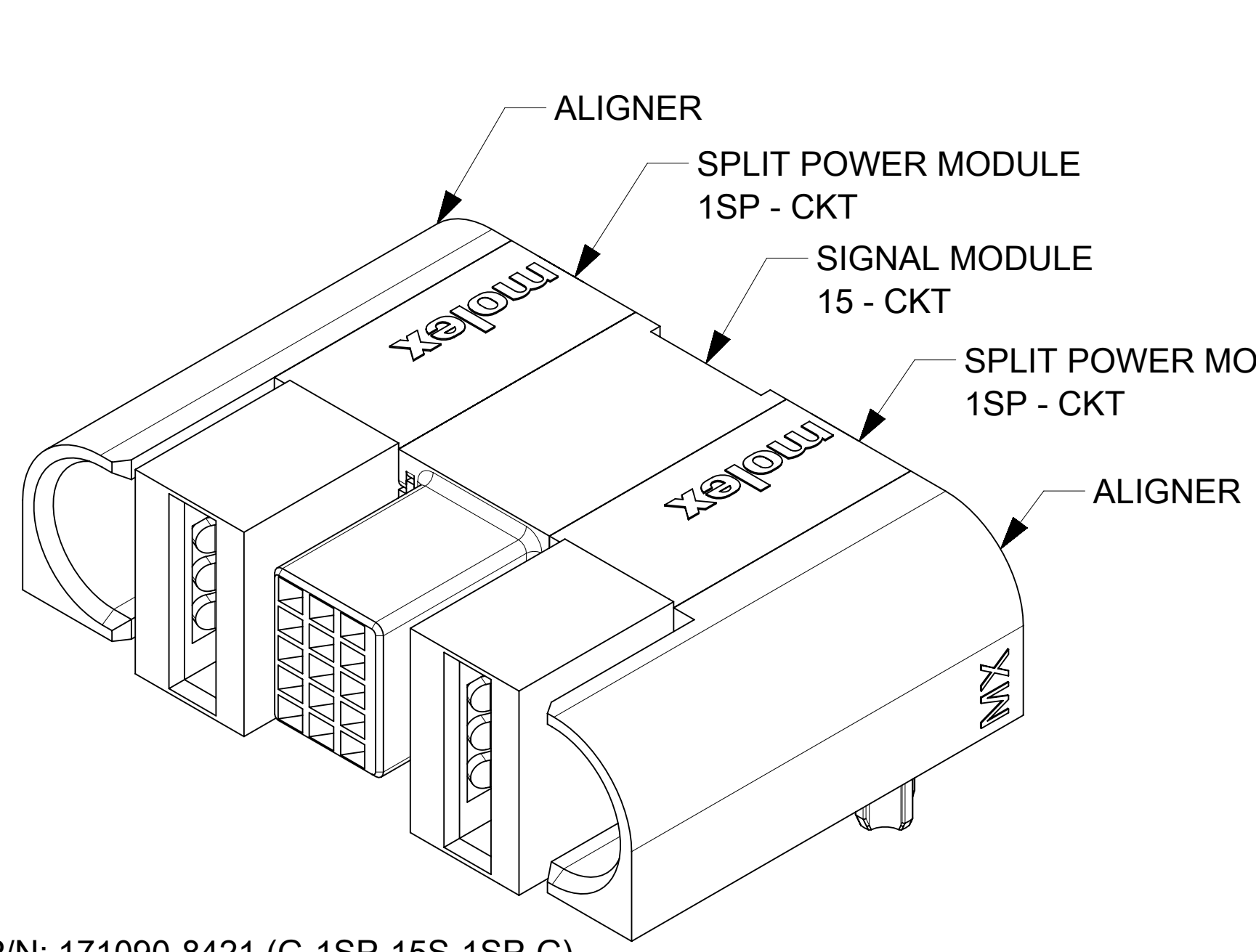
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|  |         |                                   |              |
|--|---------|-----------------------------------|--------------|
| DIMENSION UNITS                                      | SCALE   | CURRENT REV DESC: ADDED ISO VIEWS |              |
| mm   | 4:1     |                                   |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |         |                                   |              |
| ANGULAR TOL  | ± 0.5°  |                                   |              |
| 4 PLACES   | ±       | EC NO: 689821                     |              |
| 3 PLACES   | ±       | DRWN: KSUTAR                      | 2021/12/15   |
| 2 PLACES   | ± 0.13  | CHK'D: GJEEVANSURES               | 2021/12/22   |
| 1 PLACE  | ± 0.25  | APPR: HTHYAGARAJ                  | 2022/02/14   |
| 0 PLACES   | ±       | INITIAL REVISION:                 |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |         | DRWN: KSUTAR                      | 2021/09/27   |
|  |         | APPR: HTHYAGARAJ                  | 2021/11/08   |
| THIRD ANGLE PROJECTION                               | DRAWING | SERIES                            |              |
|  | D-SIZE  | 171090                            |              |
| DOCUMENT NUMBER                                      |         | DOC TYPE                          | DOC PART     |
| 1710908430   |         | PSD                               | 000          |
| MATERIAL NUMBER                                      |         | CUSTOMER                          | SHEET NUMBER |
| SEE TABLE  |         | GENERAL MARKET                    | 2 OF 4       |

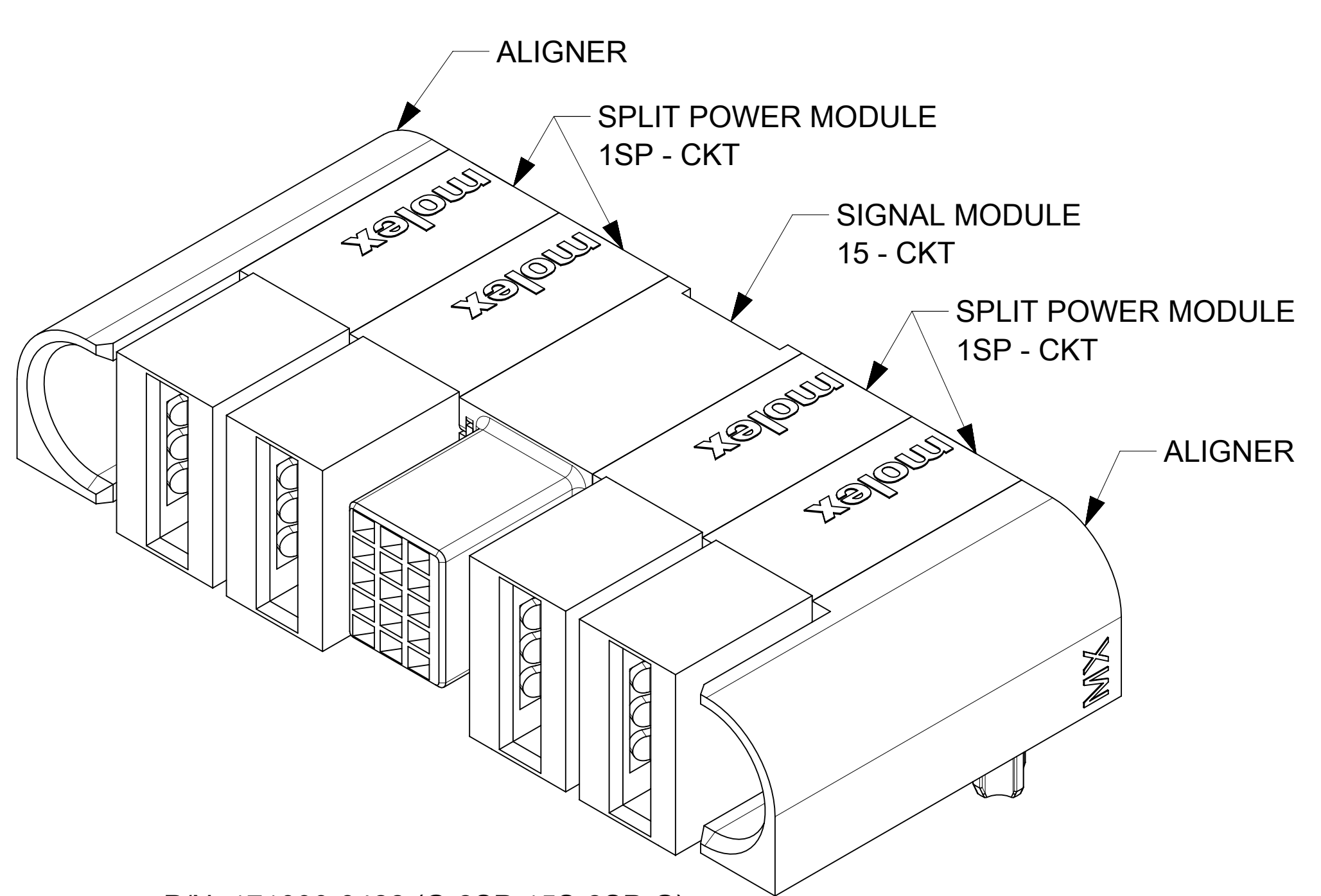
**molex**

G-\*SP-\*S-\*SP-G  
R/A RECEP ASSY - TEN60 SPLIT POWER

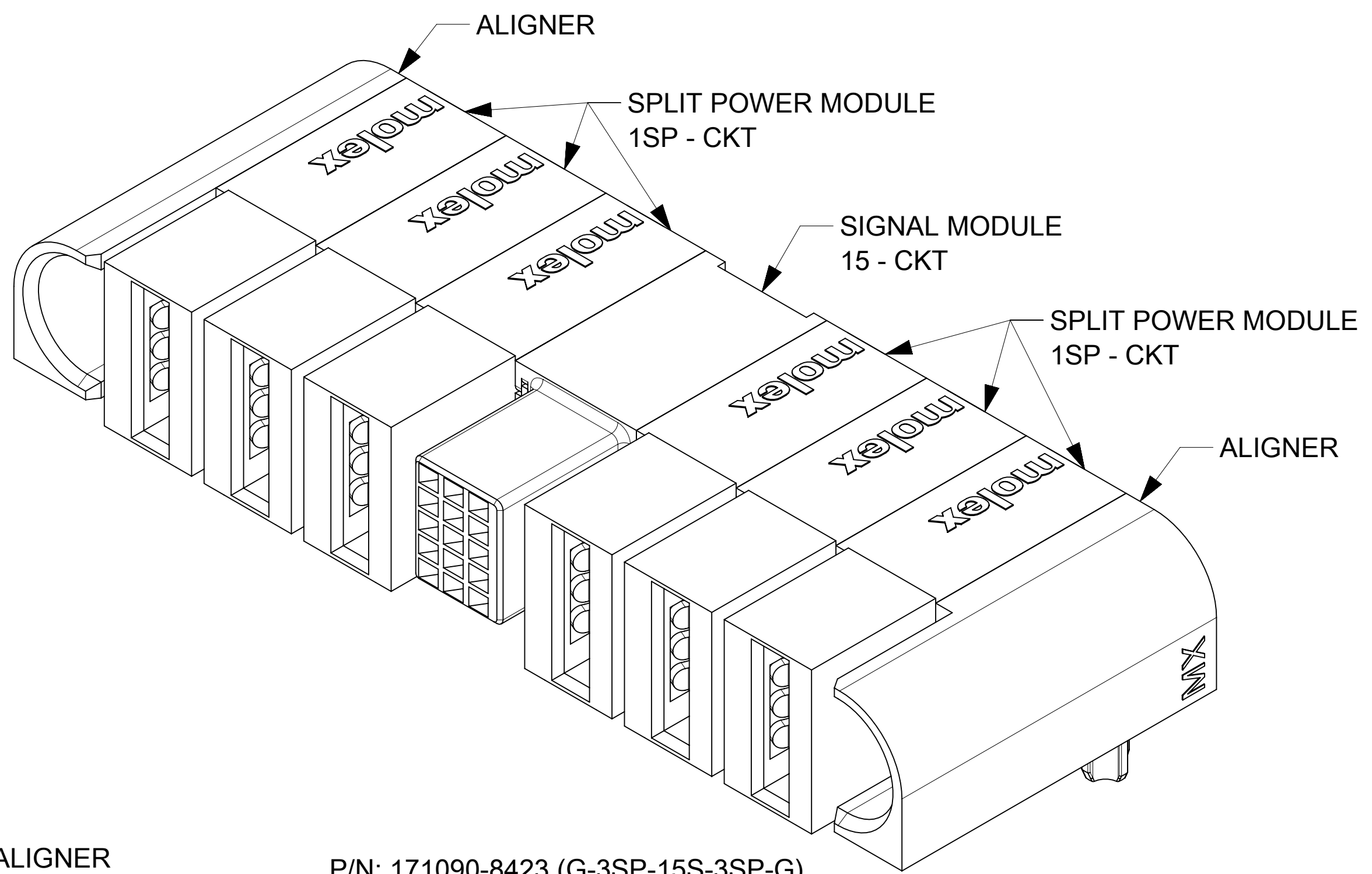
PRODUCT CUSTOMER DRAWING



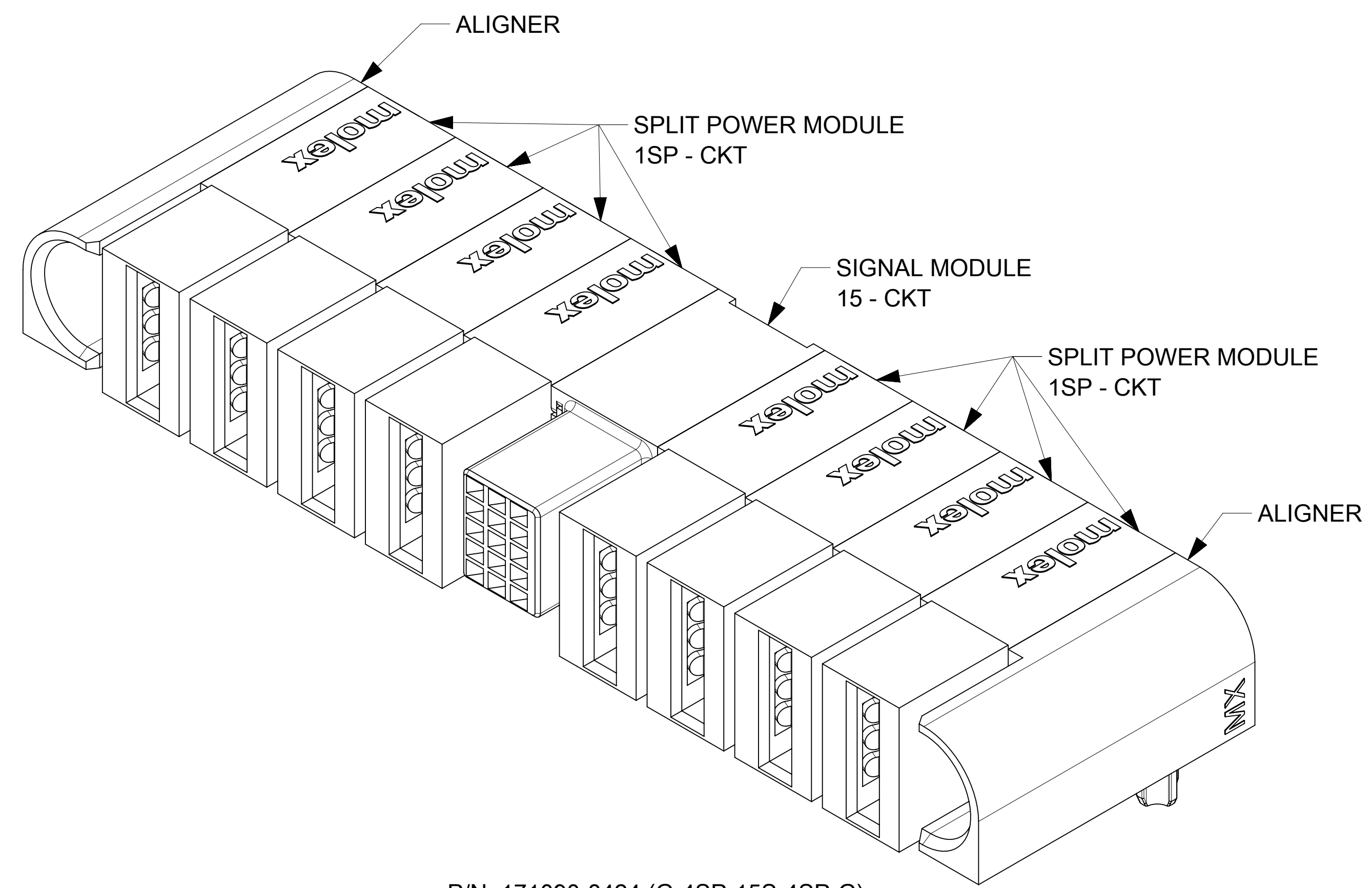
P/N: 171090-8421 (G-1SP-15S-1SP-G)



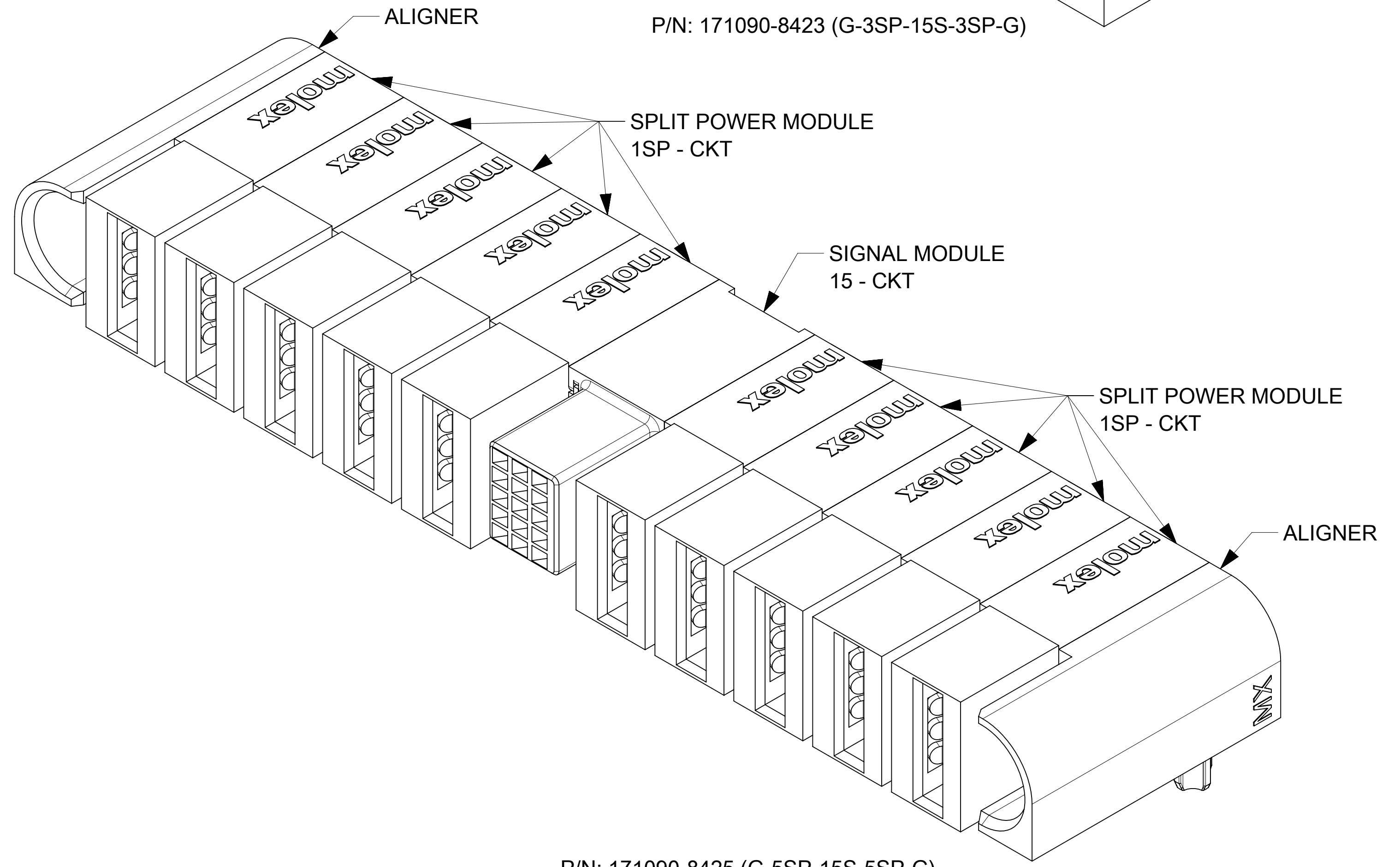
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P/N: 171090-8423 (G-3SP-15S-3SP-G)

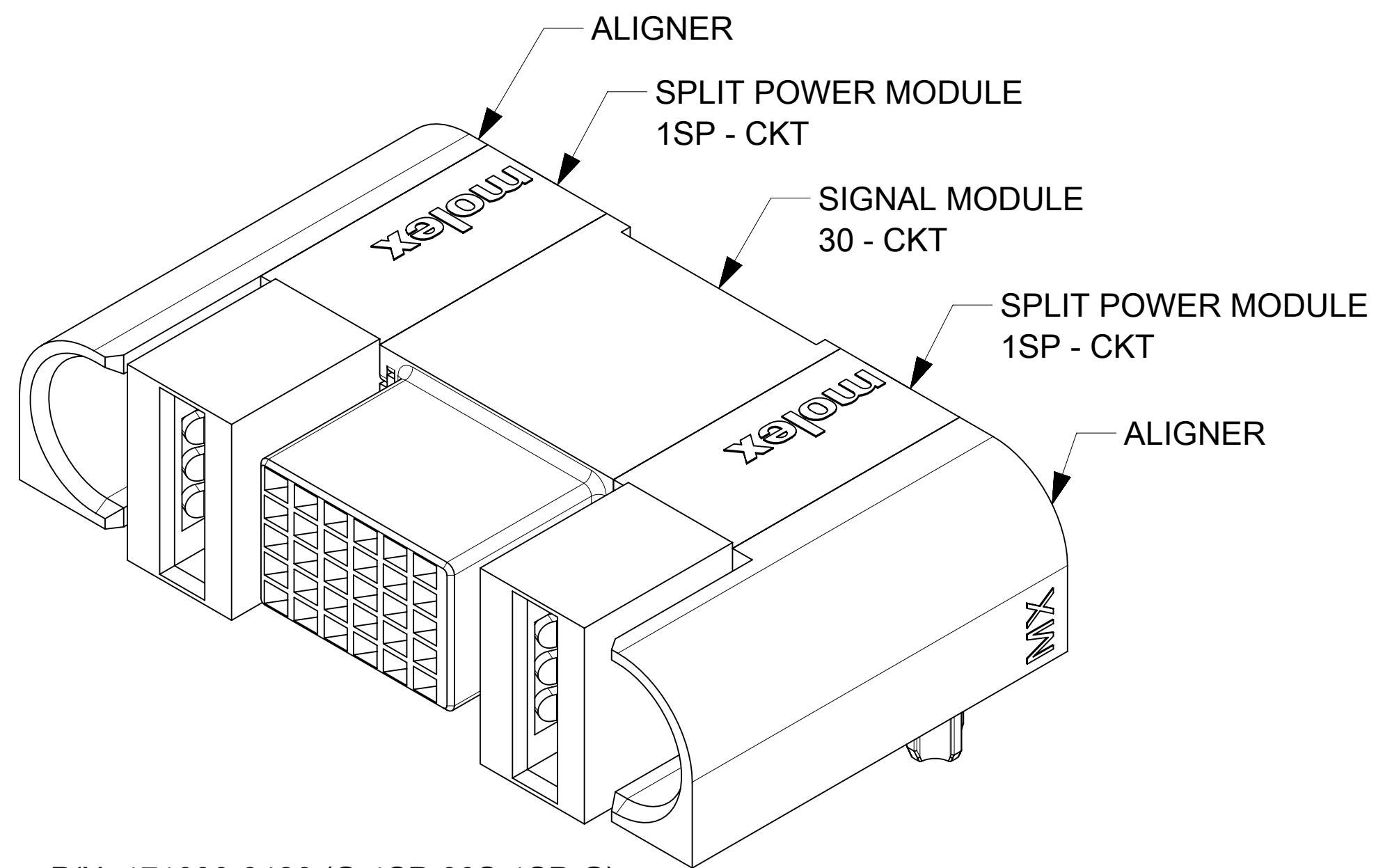


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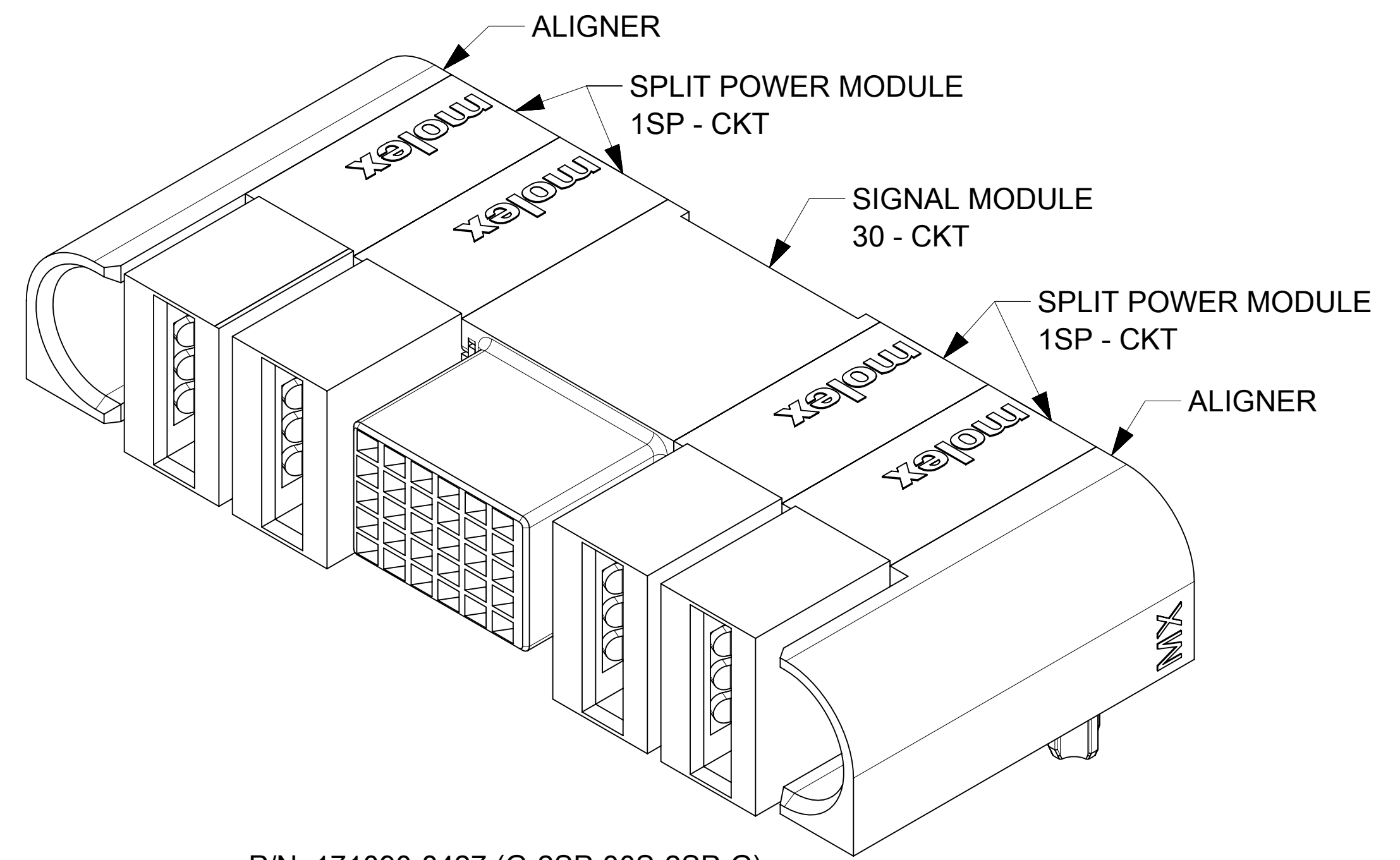


P/N: 171090-8425 (G-5SP-15S-5SP-G)

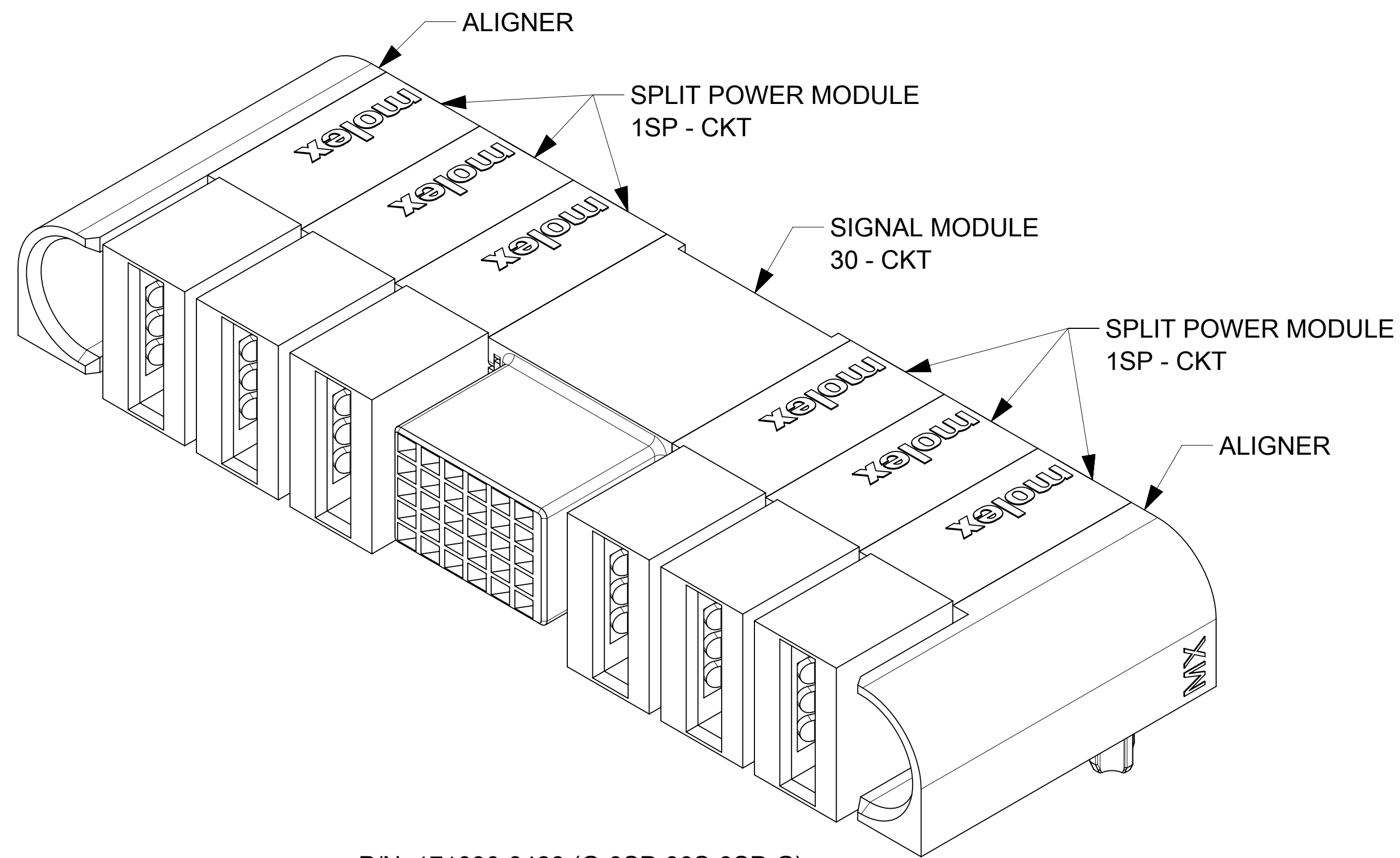
|   |  |       |                        |                                   |         |                |        |              |  |
|---|--|-------|------------------------|-----------------------------------|---------|----------------|--------|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |                        |                                   |         |                |        |              |  |
| DIMENSION UNITS   |  | SCALE |                        | CURRENT REV DESC: ADDED ISO VIEWS |         |                |        |              |  |
| mm  |  | 4:1   |                        |                                   |         |                |        |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |                        |                                   |         |                |        |              |  |
| ANGULAR TOL ± 0.5°  |  |       |                        | EC NO: 689821                     |         |                |        |              |  |
| 4 PLACES ±  |  |       |                        | DRWN: KSUTAR                      |         | 2021/12/15     |        |              |  |
| 3 PLACES ±  |  |       |                        | CHK'D: GJEEVANSURES               |         | 2021/12/22     |        |              |  |
| 2 PLACES ± 0.13   |  |       |                        | APPR: HTHYAGARAJ                  |         | 2022/02/14     |        |              |  |
| 1 PLACE ± 0.25  |  |       |                        | INITIAL REVISION:                 |         |                |        |              |  |
| 0 PLACES ±  |  |       |                        | DRWN: KSUTAR                      |         | 2021/09/27     |        |              |  |
|   |  |       |                        | APPR: HTHYAGARAJ                  |         | 2021/11/08     |        |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       | THIRD ANGLE PROJECTION |                                   | DRAWING |                | SERIES |              |  |
|   |  |       |                        |                                   | D-SIZE  |                | 171090 |              |  |
| DOCUMENT STATUS   |  |       |                        | MATERIAL NUMBER                   |         | CUSTOMER       |        | SHEET NUMBER |  |
| P1  |  |       |                        | 1710908430                        |         | GENERAL MARKET |        | 3 OF 4       |  |
| RELEASE DATE  |  |       |                        | DOC TYPE                          |         | DOC PART       |        | REVISION     |  |
| 2022/02/14 09:02:32   |  |       |                        | PSD                               |         | 000            |        | A1           |  |



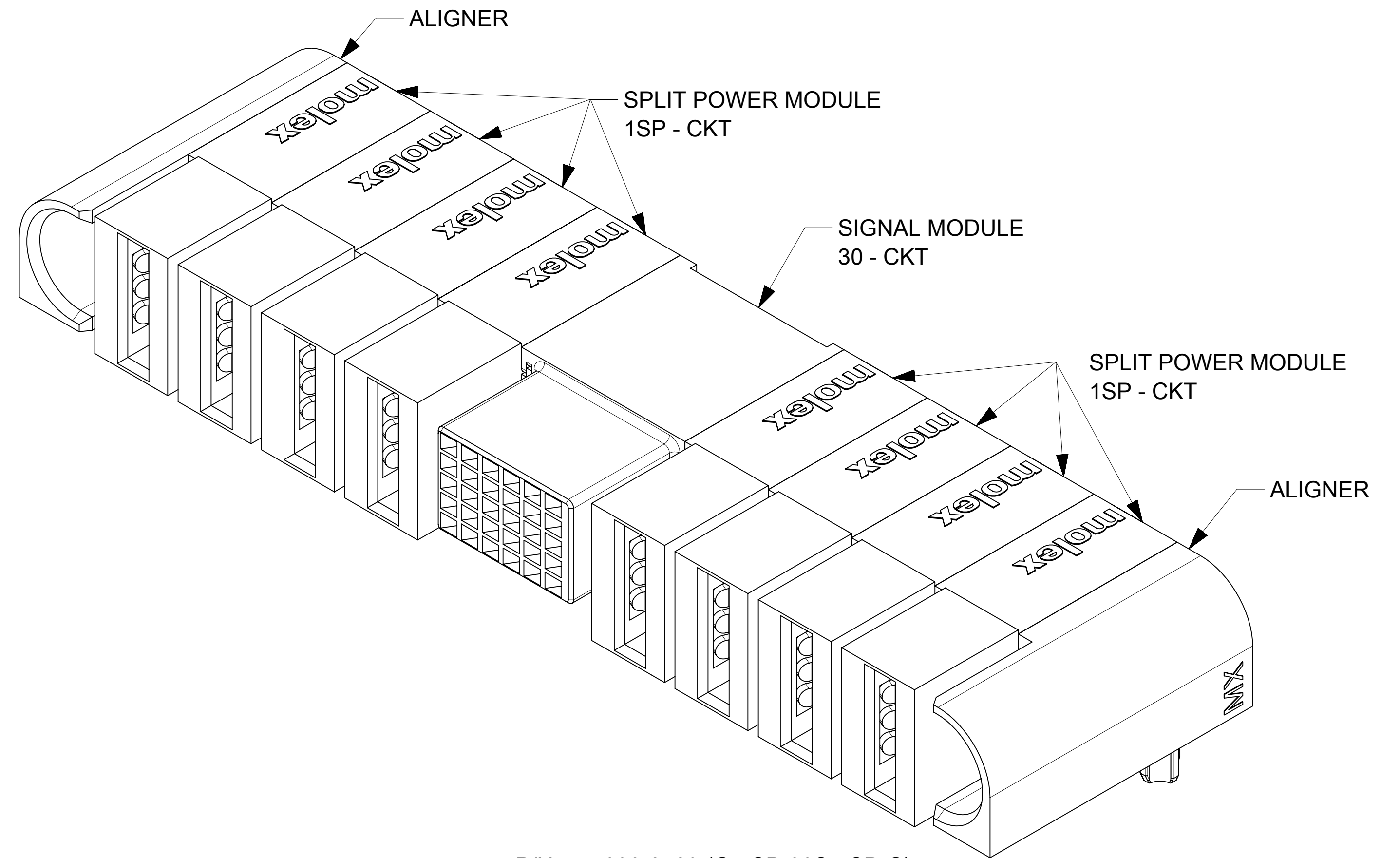
P/N: 171090-8426 (G-1SP-30S-1SP-G)



P/N: 171090-8427 (G-2SP-30S-2SP-G)



P/N: 171090-8428 (G-3SP-30S-3SP-G)



P/N: 171090-8429 (G-4SP-30S-4SP-G)

|   |  |        |  |                                   |  |                |  |            |  |                 |  |
|---|--|--------|--|-----------------------------------|--|----------------|--|------------|--|-----------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                   |  |                |  |            |  |                 |  |
| DIMENSION UNITS   |  | SCALE  |  | CURRENT REV DESC: ADDED ISO VIEWS |  |                |  |            |  |                 |  |
| mm  |  | 4:1    |  |                                   |  |                |  |            |  |                 |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |        |  |                                   |  |                |  |            |  |                 |  |
| ANGULAR TOL ± 0.5°  |  |        |  |                                   |  |                |  |            |  |                 |  |
| 4 PLACES ±  |  |        |  | EC NO: 689821                     |  |                |  |            |  |                 |  |
| 3 PLACES ±  |  |        |  | DRWN: KSUTAR                      |  |                |  | 2021/12/15 |  |                 |  |
| 2 PLACES ± 0.13   |  |        |  | CHK'D: GJEEVANSURES               |  |                |  | 2021/12/22 |  |                 |  |
| 1 PLACE ± 0.25  |  |        |  | APPR: HTHYAGARAJ                  |  |                |  | 2022/02/14 |  |                 |  |
| 0 PLACES ±  |  |        |  | INITIAL REVISION:                 |  |                |  |            |  |                 |  |
|   |  |        |  | DRWN: KSUTAR                      |  |                |  | 2021/09/27 |  |                 |  |
|   |  |        |  | APPR: HTHYAGARAJ                  |  |                |  | 2021/11/08 |  |                 |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |        |  | THIRD ANGLE PROJECTION            |  | DRAWING        |  | SERIES     |  | MATERIAL NUMBER |  |
|   |  | D-SIZE |  | 171090                            |  | SEE TABLE      |  | CUSTOMER   |  | SHEET NUMBER    |  |
|   |  |        |  |                                   |  | GENERAL MARKET |  |            |  | 4 OF 4          |  |

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G-\*SP-\*S-\*SP-G  
R/A RECEP ASSY - TEN60 SPLIT POWER

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| 1710908430      | PSD      | 000      | A1       |