

- 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.

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

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

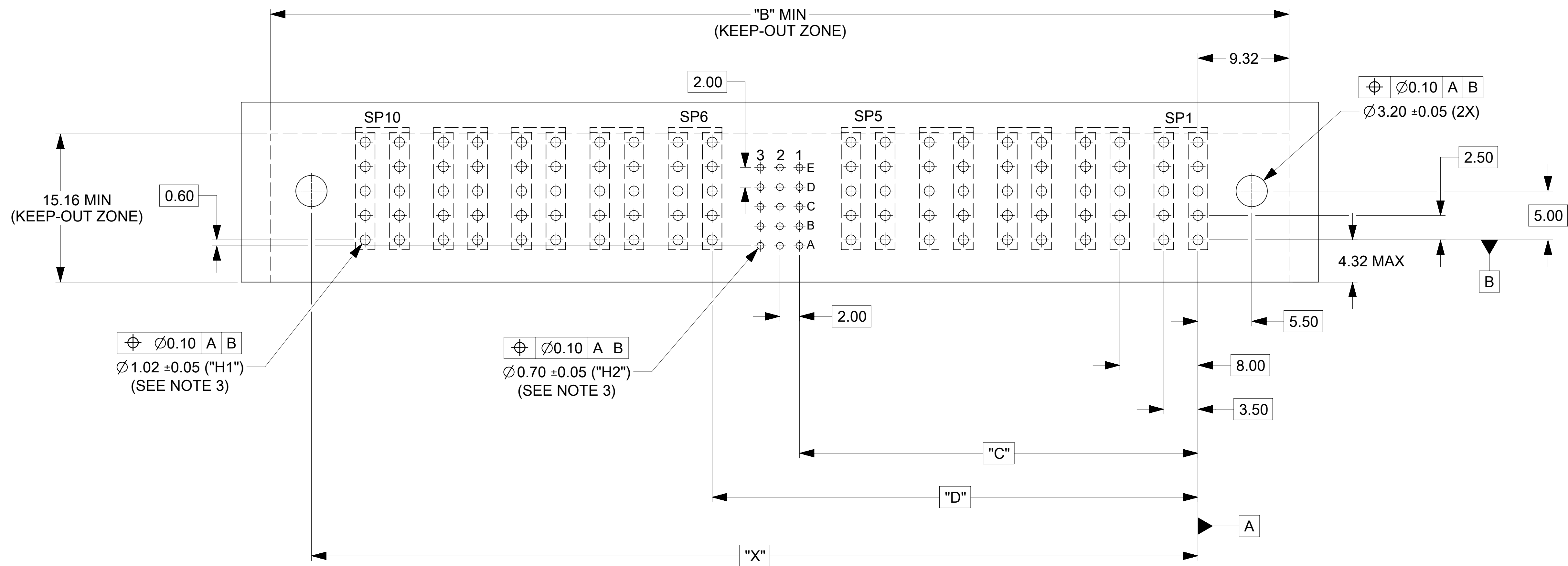
| | | |
|--|--------|-----------------------------------|
| DIMENSION UNITS | SCALE | CURRENT REV DESC: ADDED ISO VIEWS |
| mm | 3:1 | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| ANGULAR TOL | ± 0.5° | |
| 4 PLACES | ± | EC NO: 689821 |
| 3 PLACES | ± | DRWN: KSUTAR 2021/12/15 |
| 2 PLACES | ± 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 |
| THIRD ANGLE PROJECTION | | APPR: HTHYAGARAJ 2021/11/08 |
| DRAWING | SERIES | MATERIAL NUMBER |
| D-SIZE | 171090 | SEE TABLE |
| CUSTOMER | | SHEET NUMBER |
| GENERAL MARKET | | 1 OF 4 |

molex

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 |



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 |

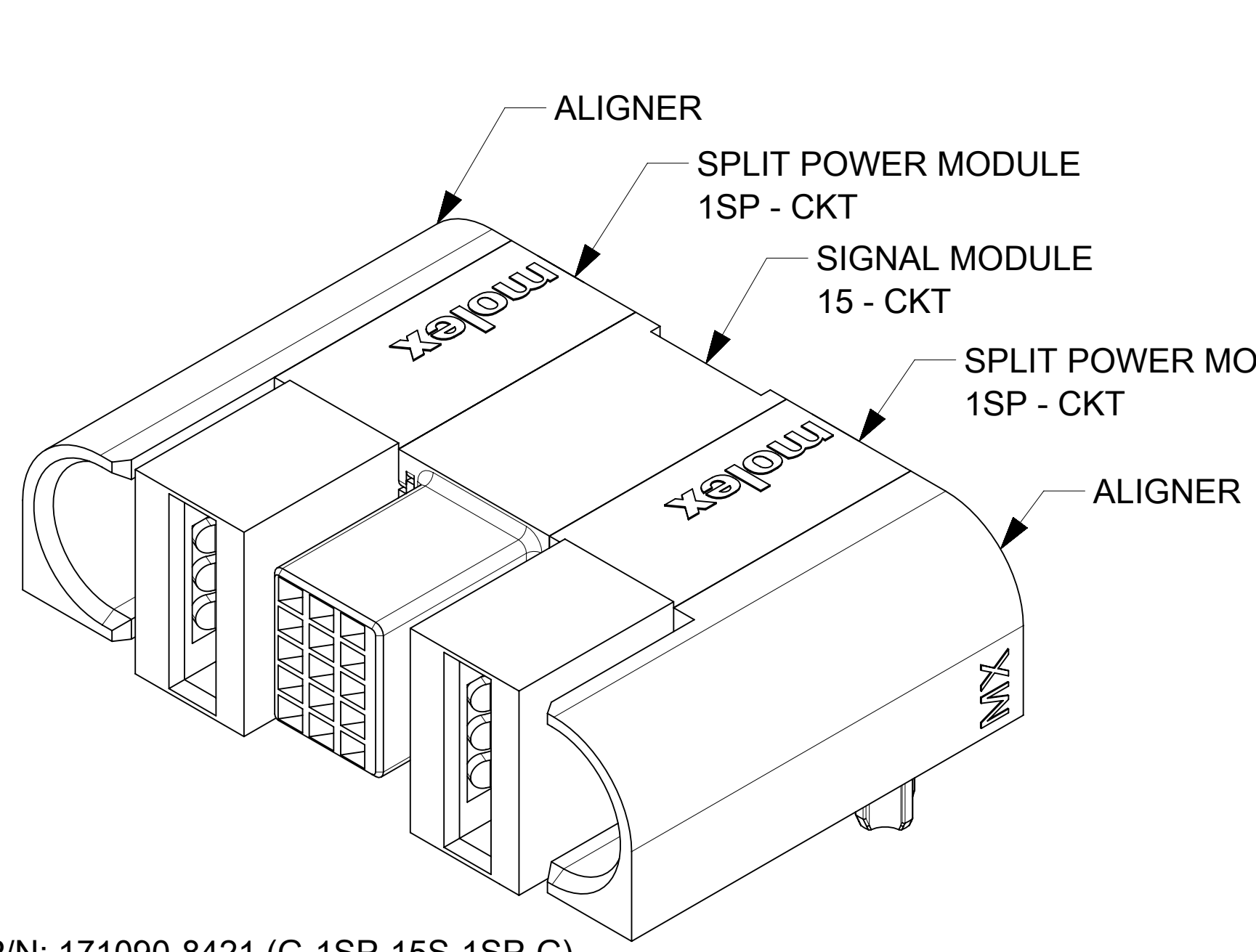
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | | | |
|--|---------------------|-----------------------------------|----------------|
| DIMENSION UNITS mm | SCALE 4:1 | CURRENT REV DESC: ADDED ISO VIEWS | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 689821 | |
| ANGULAR TOL | ± 0.5° | DRWN: KSUTAR | 2021/12/15 |
| 4 PLACES | ± | CHK'D: GJEEVANSURES | 2021/12/22 |
| 3 PLACES | ± | APPR: HTHYAGARAJ | 2022/02/14 |
| 2 PLACES | ± 0.13 | INITIAL REVISION: | |
| 1 PLACE | ± 0.25 | DRWN: KSUTAR | 2021/09/27 |
| 0 PLACES | ± | APPR: HTHYAGARAJ | 2021/11/08 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING |
| | | | D-SIZE |
| | | SERIES | 171090 |
| DOCUMENT STATUS | | MATERIAL NUMBER | CUSTOMER |
| P1 | RELEASE DATE | SEE TABLE | GENERAL MARKET |
| 2022/02/14 | 09:02:32 | SHEET NUMBER | |
| | | 2 OF 4 | |

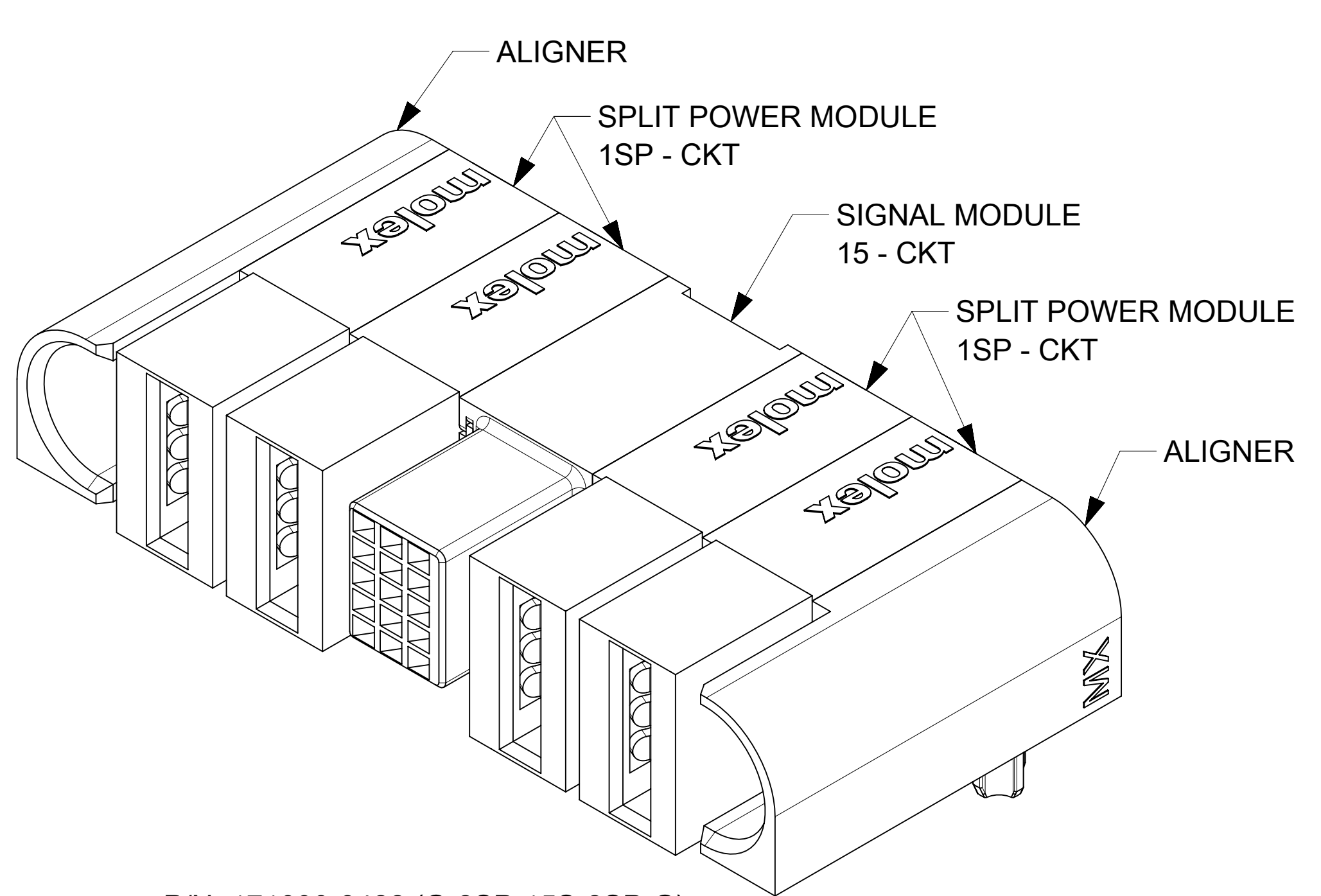
G-*SP-*S-*SP-G
R/A RECEP ASSY - TEN60 SPLIT POWER

PRODUCT CUSTOMER DRAWING

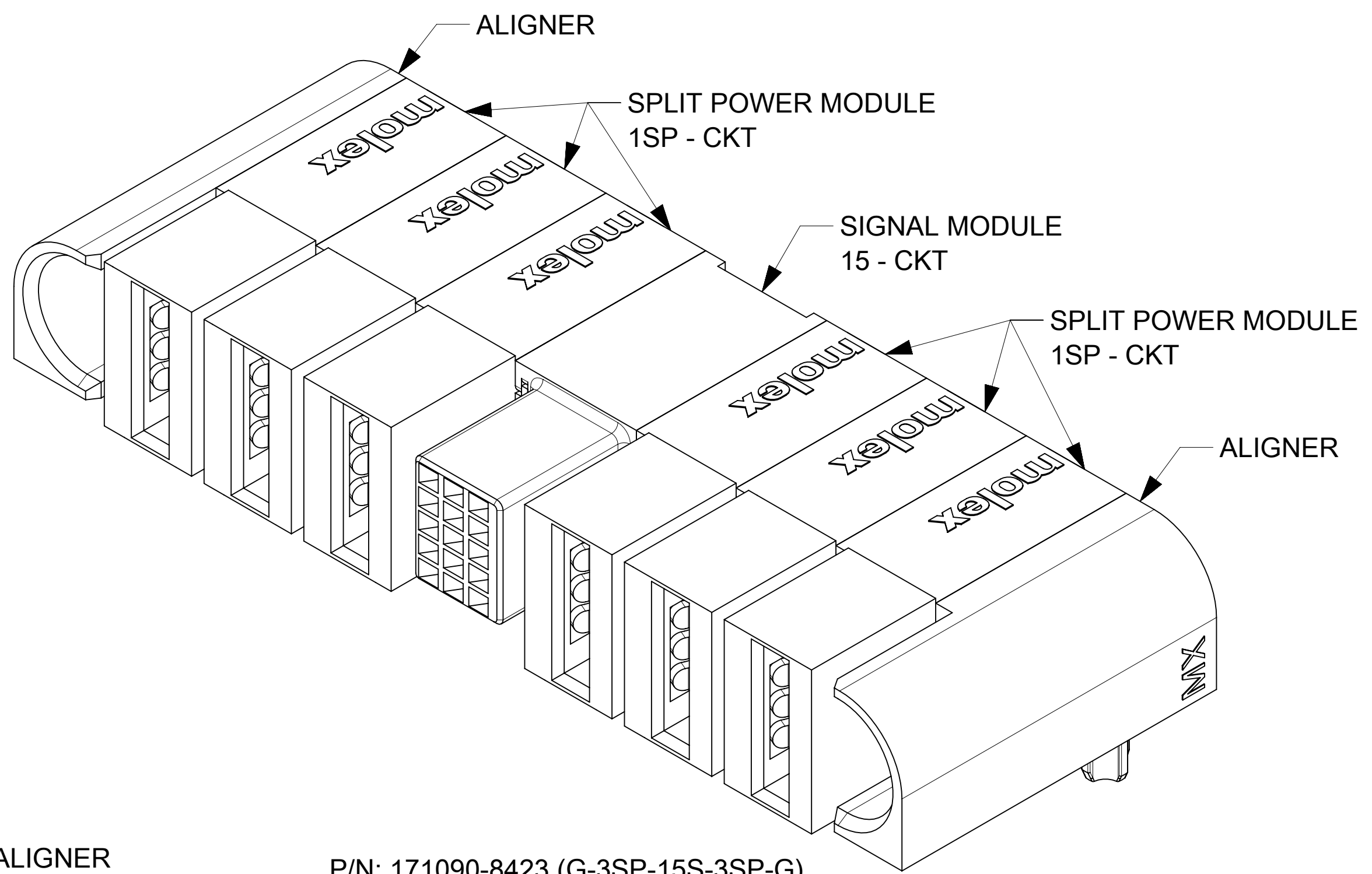
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|-------------------|----------|----------|-----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| 1710908430 | PSD | 000 | A1 |



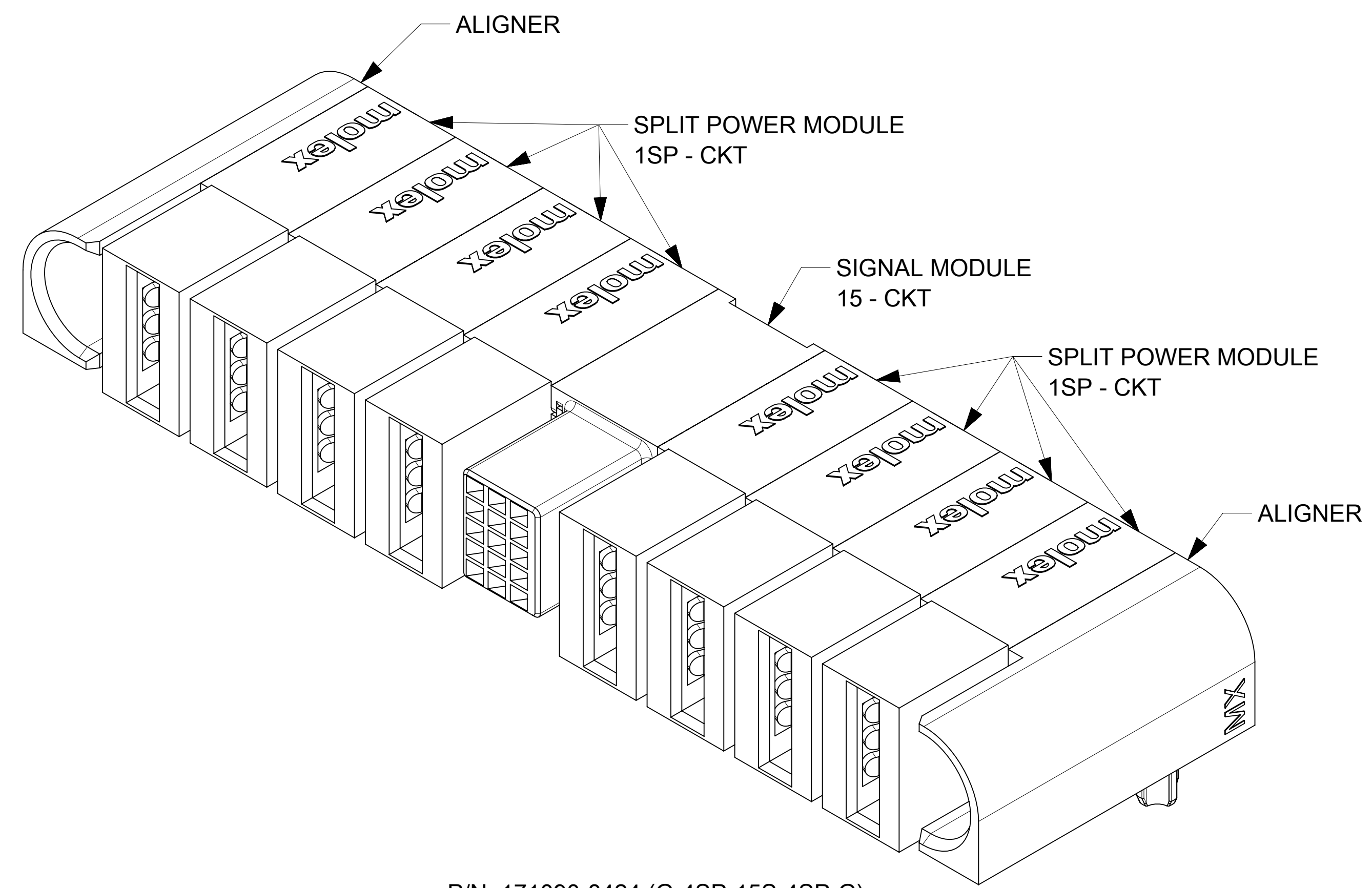
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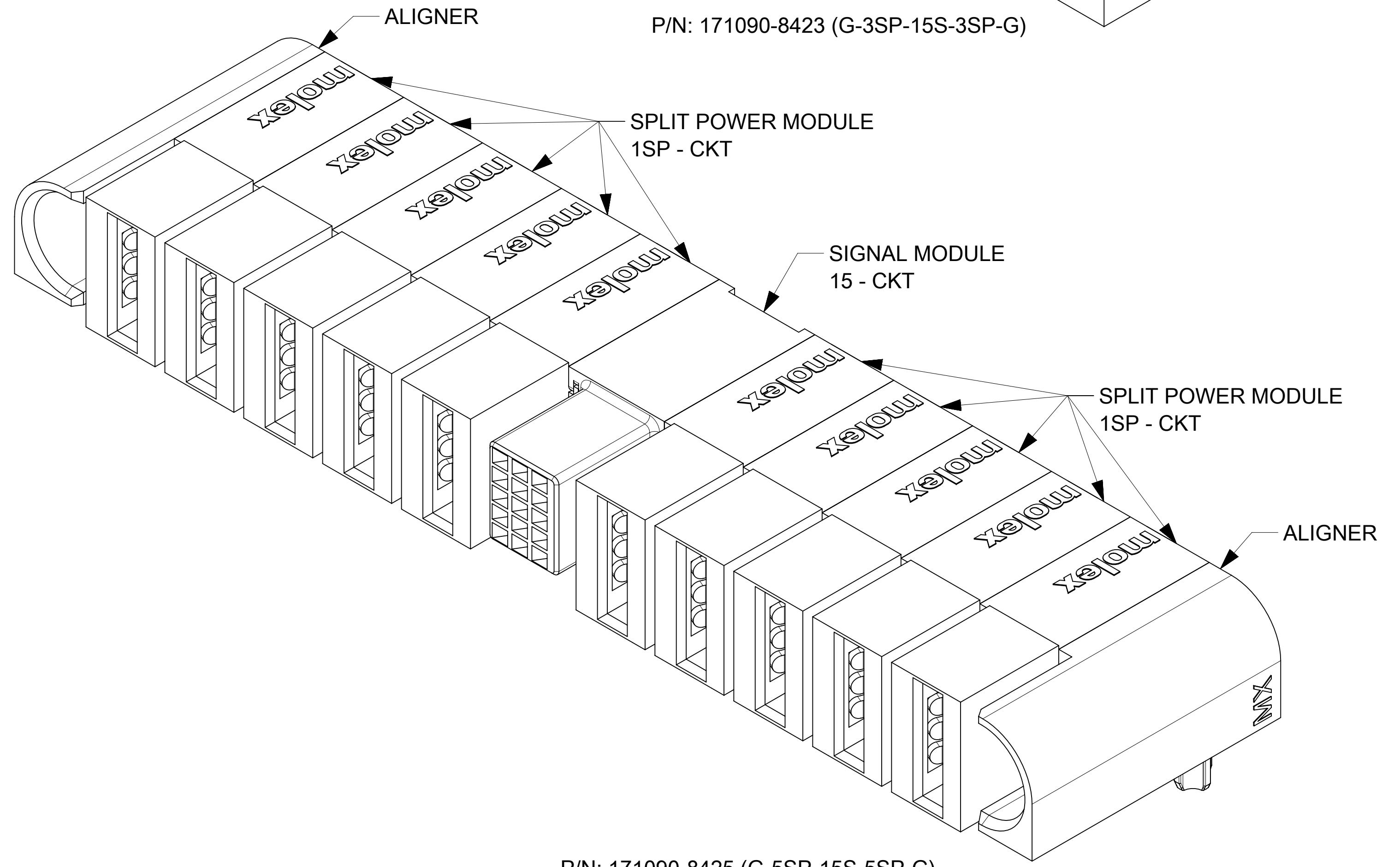
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P/N: 171090-8423 (G-3SP-15S-3SP-G)



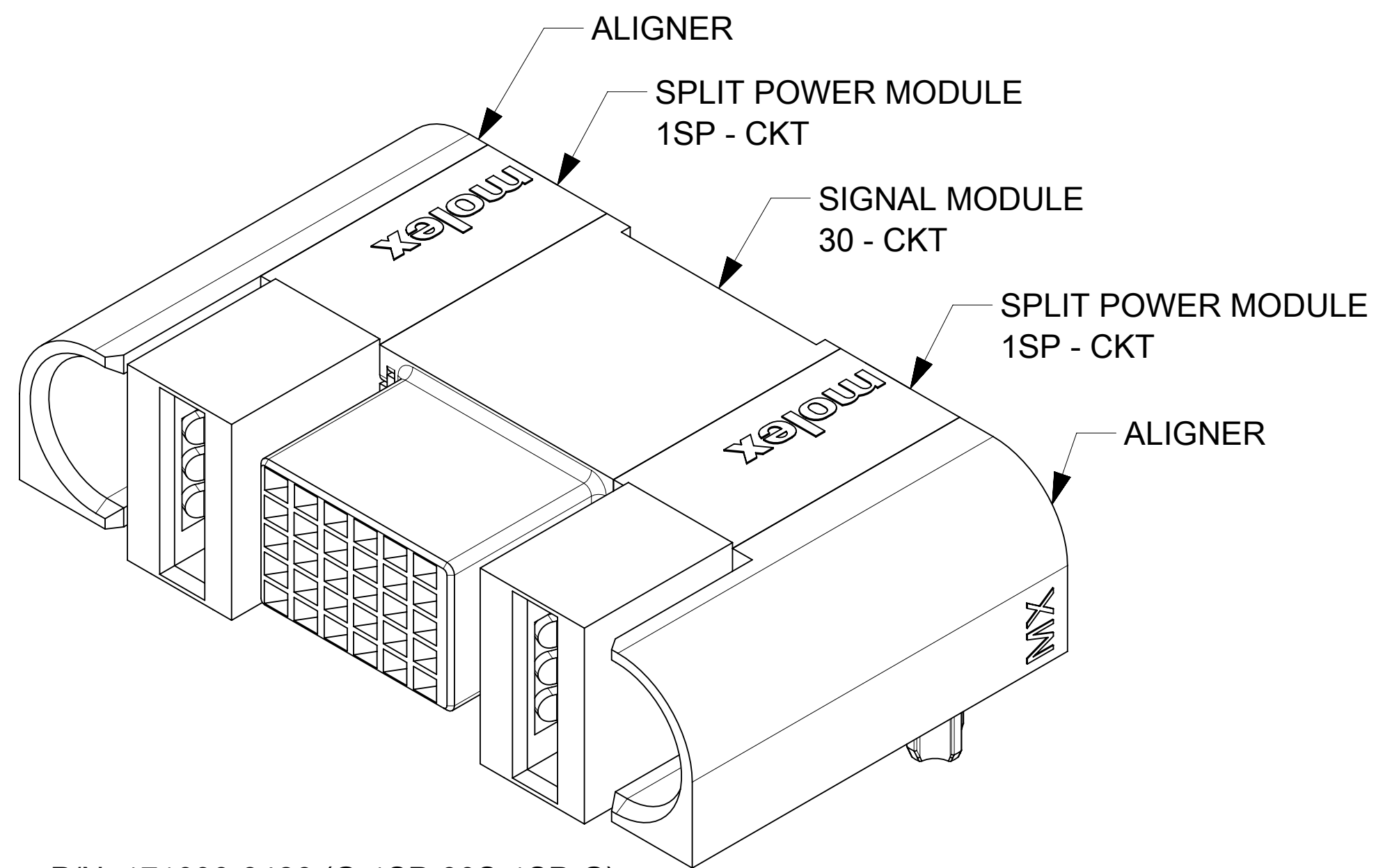
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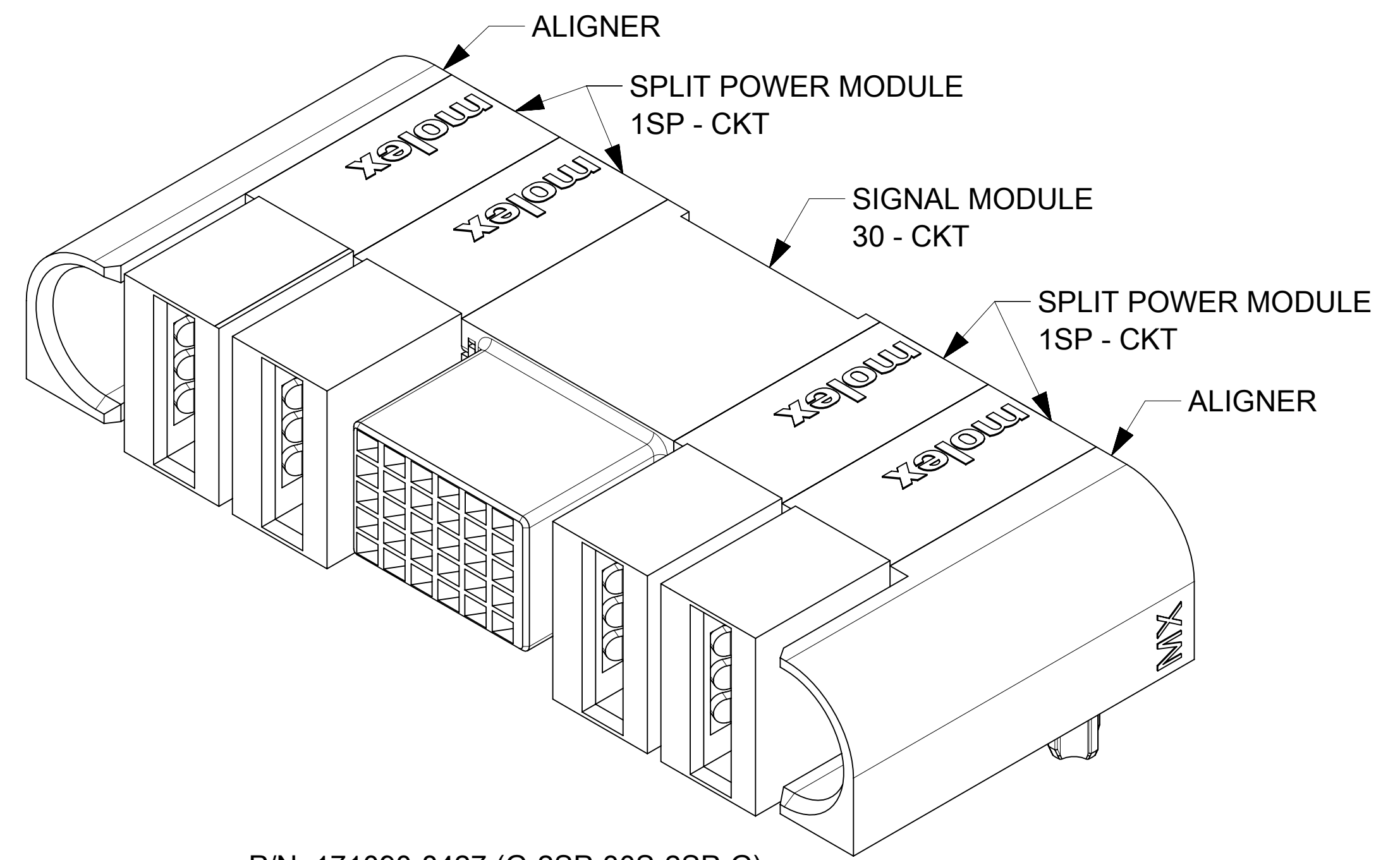
P/N: 171090-8425 (G-5SP-15S-5SP-G)

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|---|--|------------------------|--|-----------------------------------|--|----------------|--|-----------------|--|
| 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 | | GENERAL MARKET | | SHEET NUMBER | |
| | | | | | | | | 3 OF 4 | |

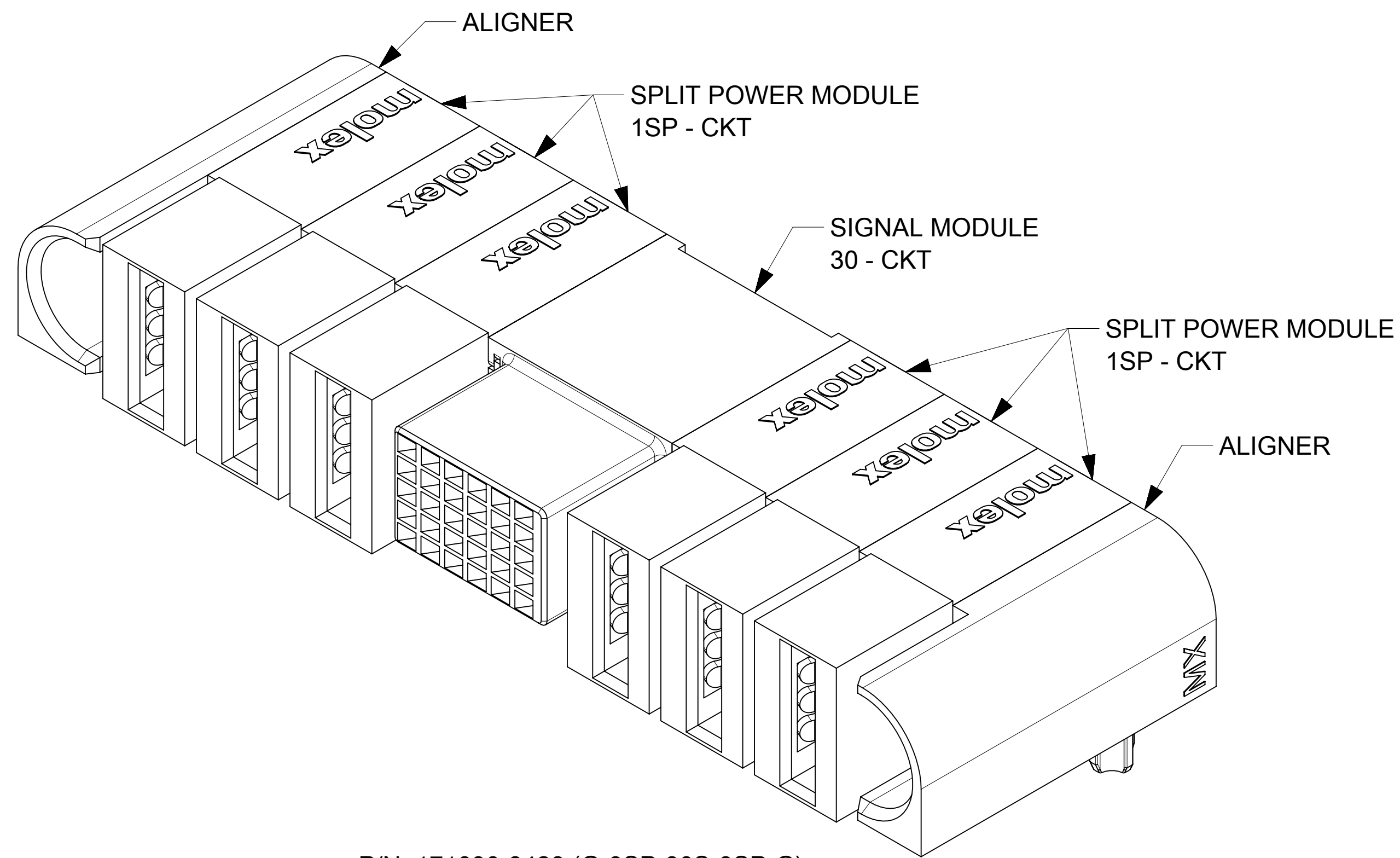
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|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/02/14 | 09:02:32 |
|-----------------|----|--------------|------------|----------|



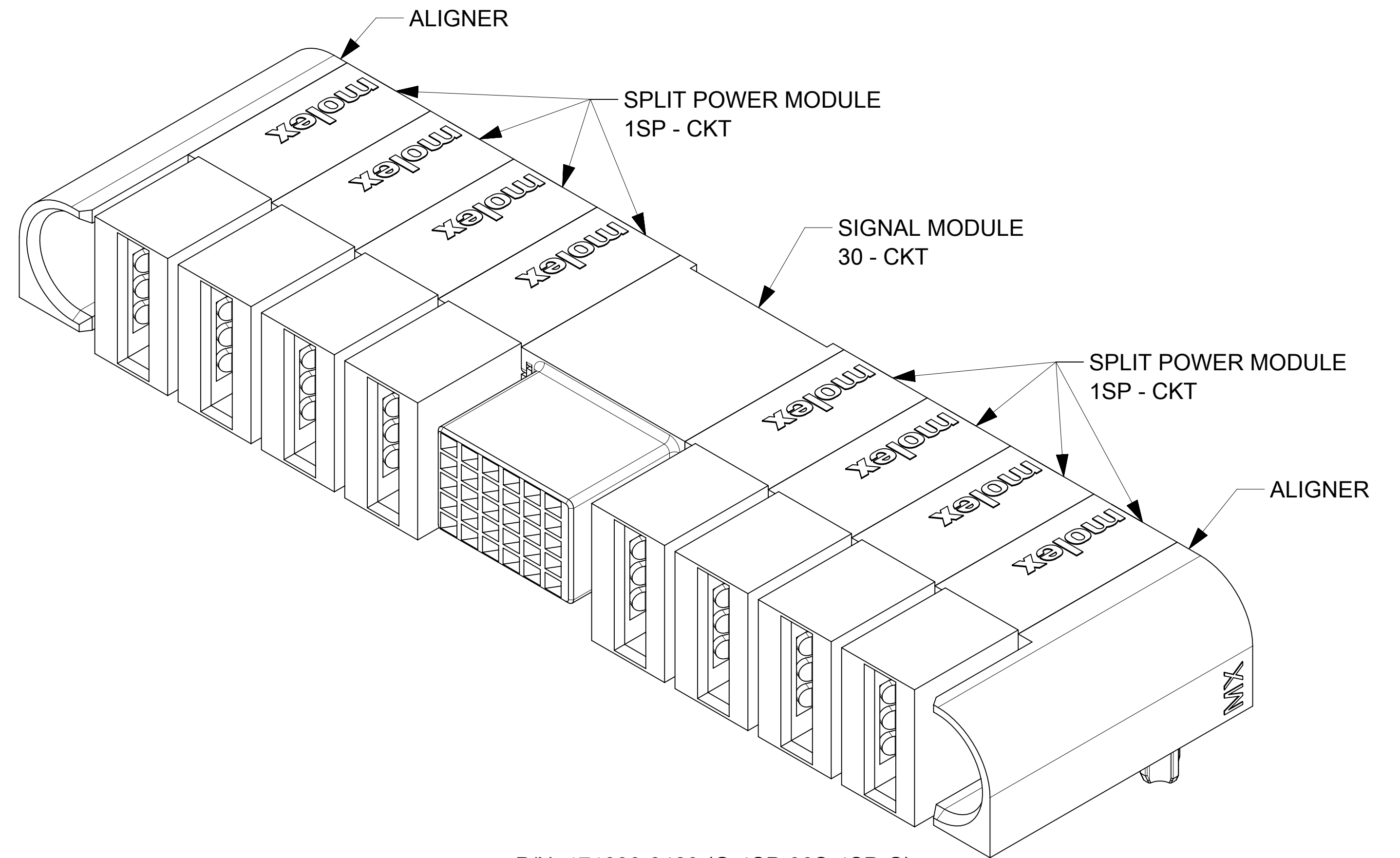
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P/N: 171090-8427 (G-2SP-30S-2SP-G)



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



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

| | | | | | | | | | | | |
|---|--|-------------------------------|--|-----------------------------------|--|------------|--|----------------|--|-----------------|--|
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| 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 | | | | | |
| THIRD ANGLE PROJECTION | | DRAWING | | 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 | |
| | | | | | | | | GENERAL MARKET | | SHEET NUMBER | |
| | | | | | | | | | | 4 OF 4 | |