

- 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

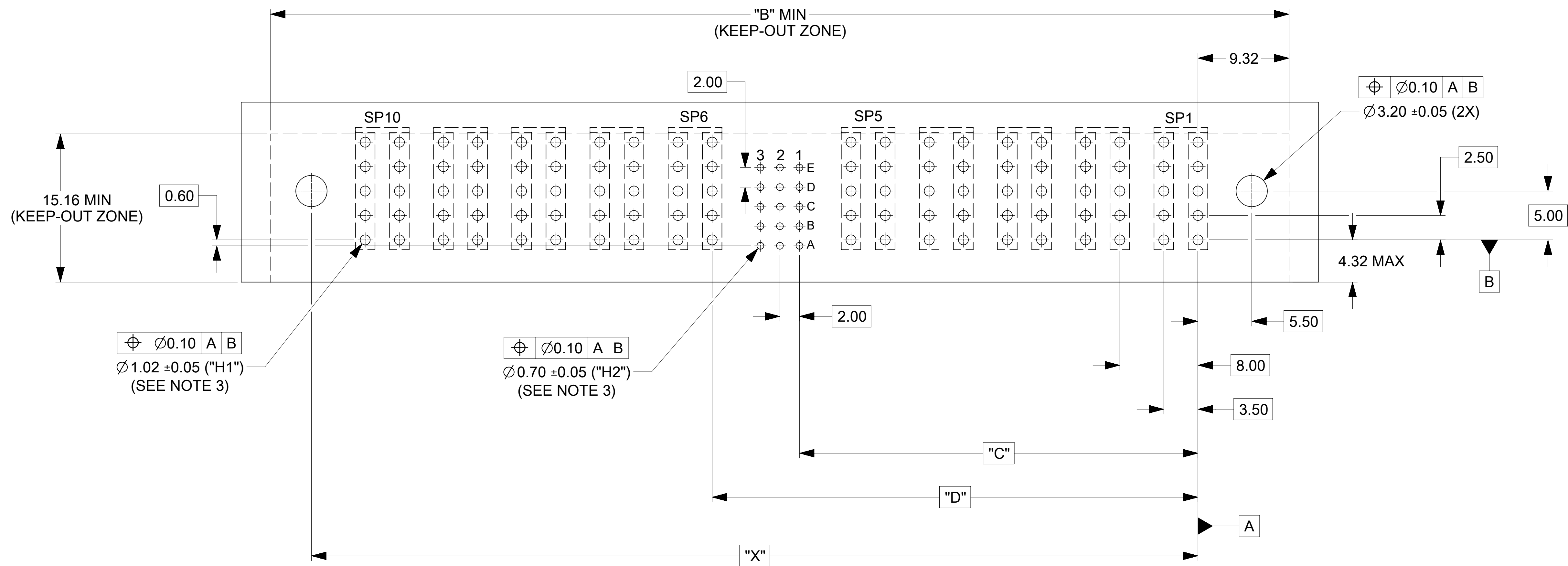
DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED ISO VIEWS	
mm	3:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 0.5°		
4 PLACES	±	EC NO: 689821	2021/12/15
3 PLACES	±	DRWN: KSUTAR	2021/12/22
2 PLACES	± 0.13	CHK'D: GJEEVANSURES	2022/02/14
1 PLACE	± 0.25	APPR: HTHYAGARAJ	
0 PLACES	±	INITIAL REVISION: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



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

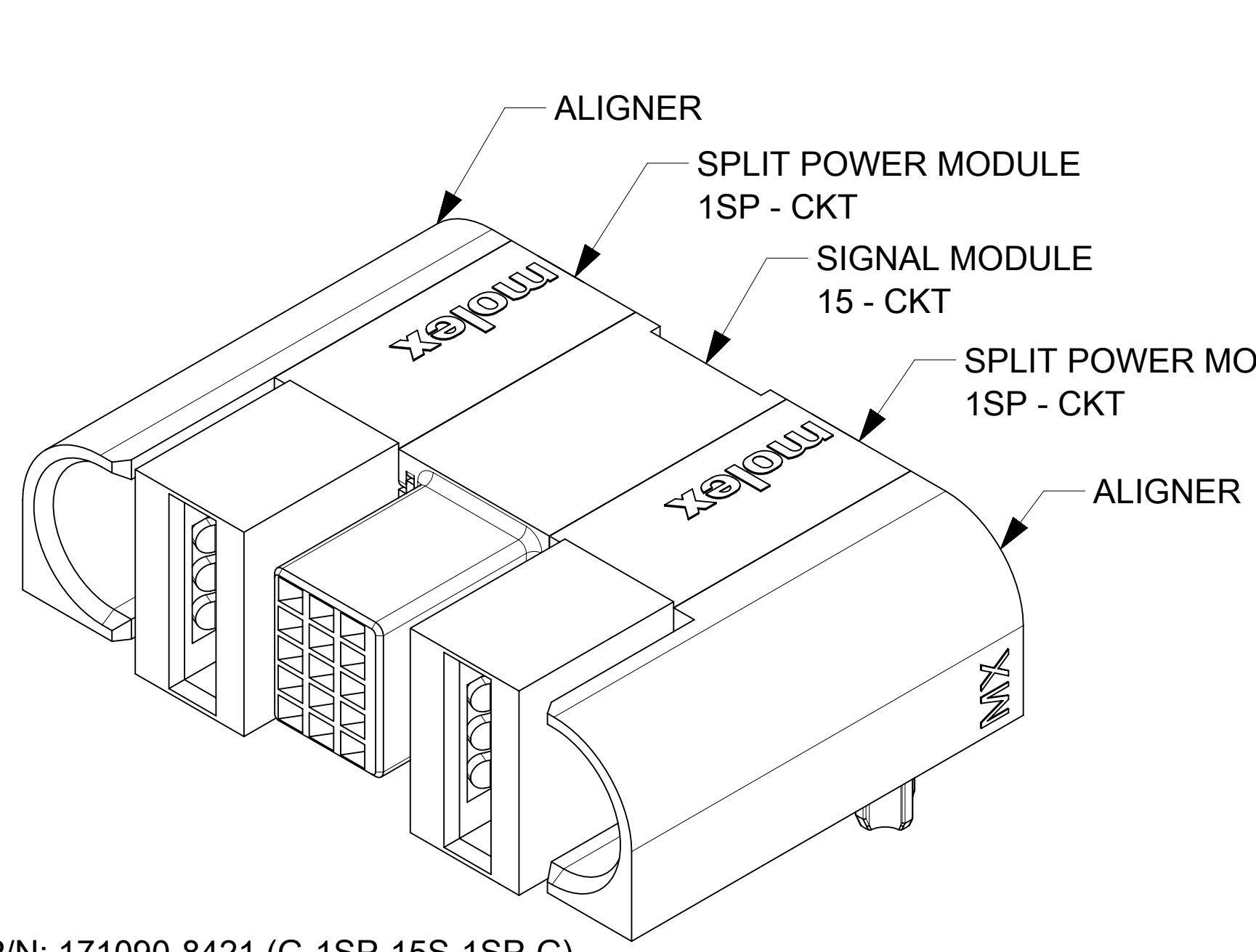
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DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED ISO VIEWS	
mm	4:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 0.5°		
4 PLACES	±	EC NO: 689821	
3 PLACES	±	DRWN: KSUTAR	2021/12/15
2 PLACES	± 0.13	CHK'D: GJEEVANSURES	2021/12/22
1 PLACE	± 0.25	APPR: HTHYAGARAJ	2022/02/14
0 PLACES	±	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KSUTAR	2021/09/27
		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

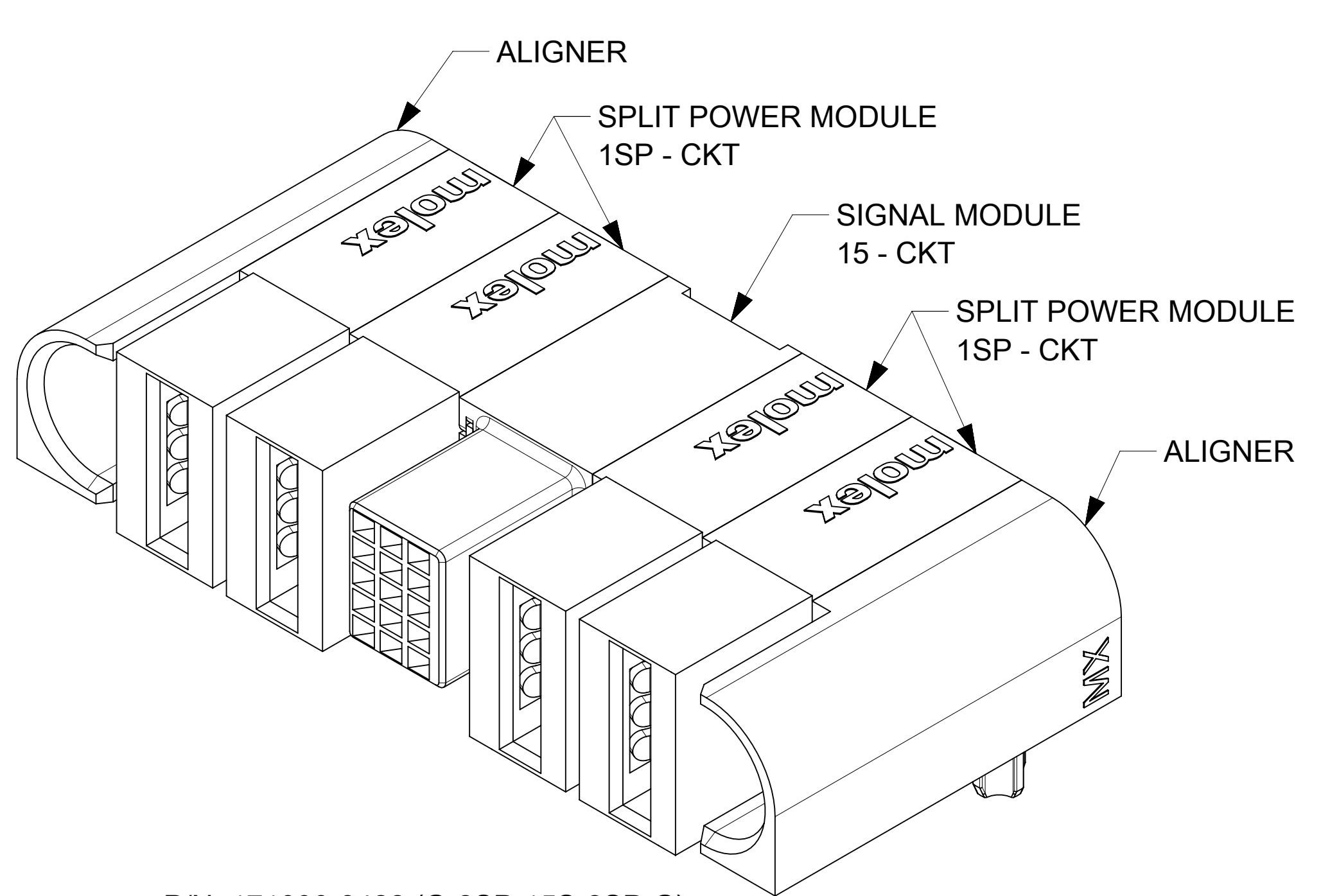
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G-\*SP-\*S-\*SP-G  
R/A RECEP ASSY - TEN60 SPLIT POWER

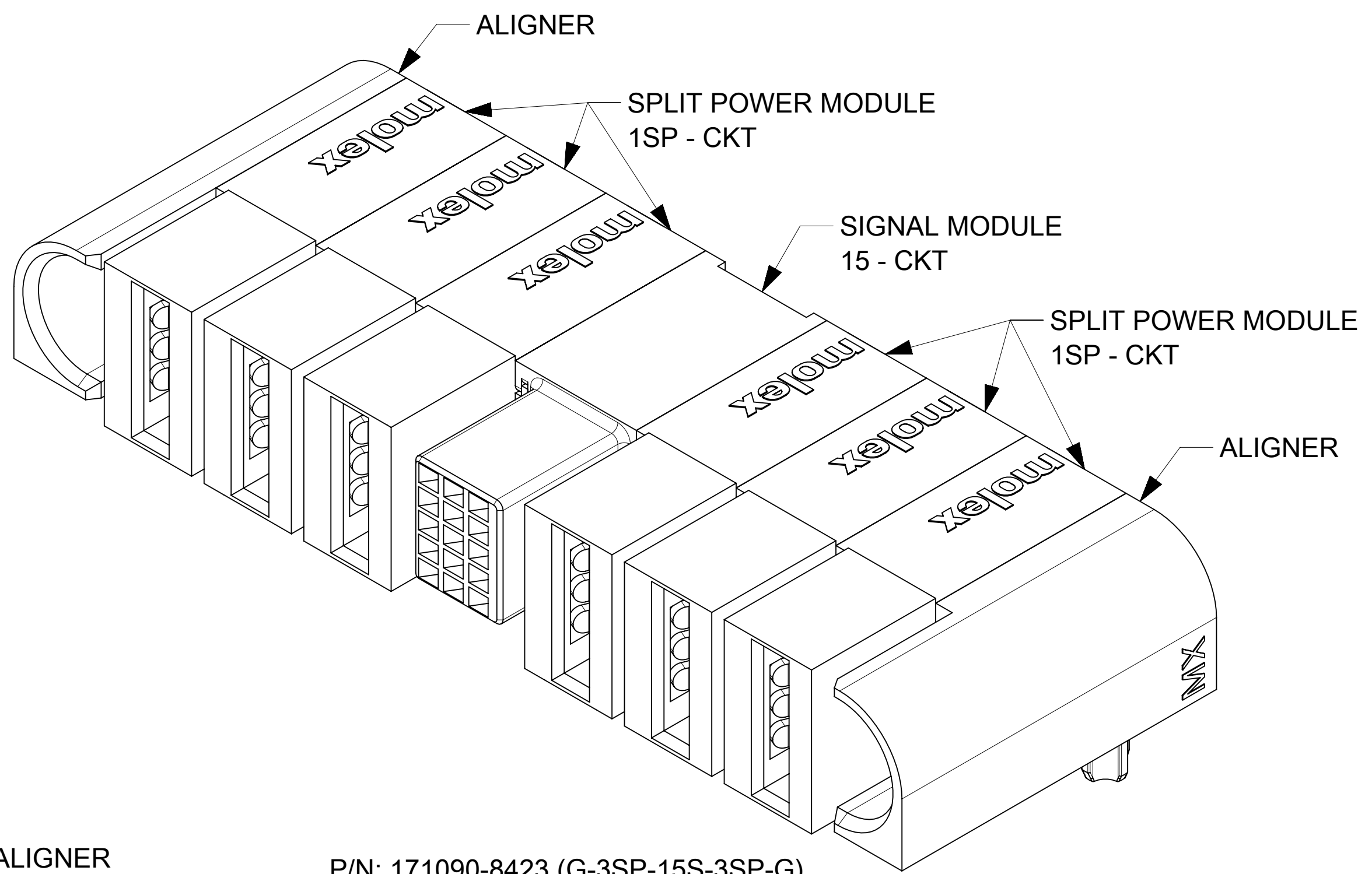
PRODUCT CUSTOMER DRAWING



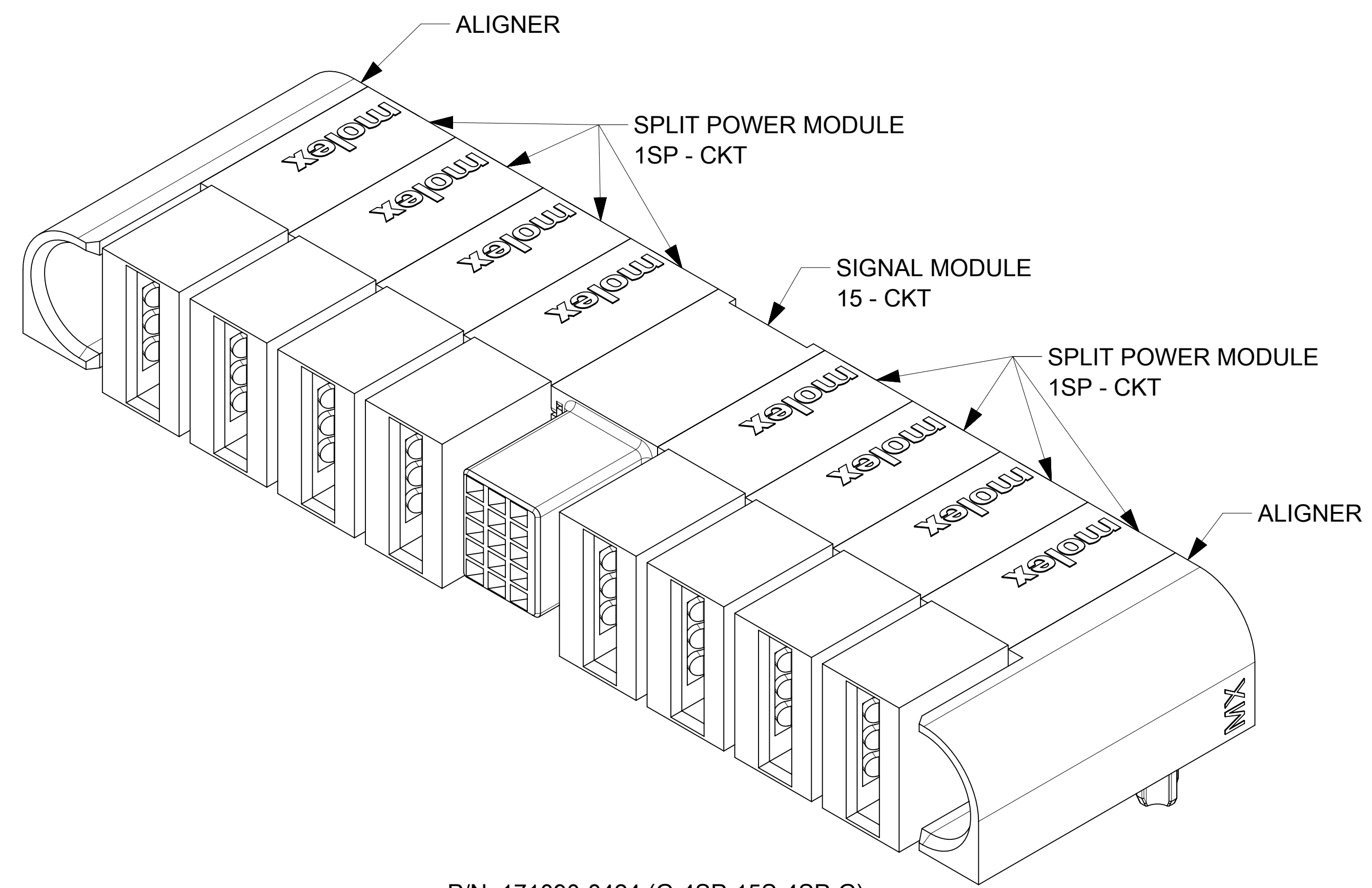
P/N: 171090-8421 (G-1SP-15S-1SP-G)



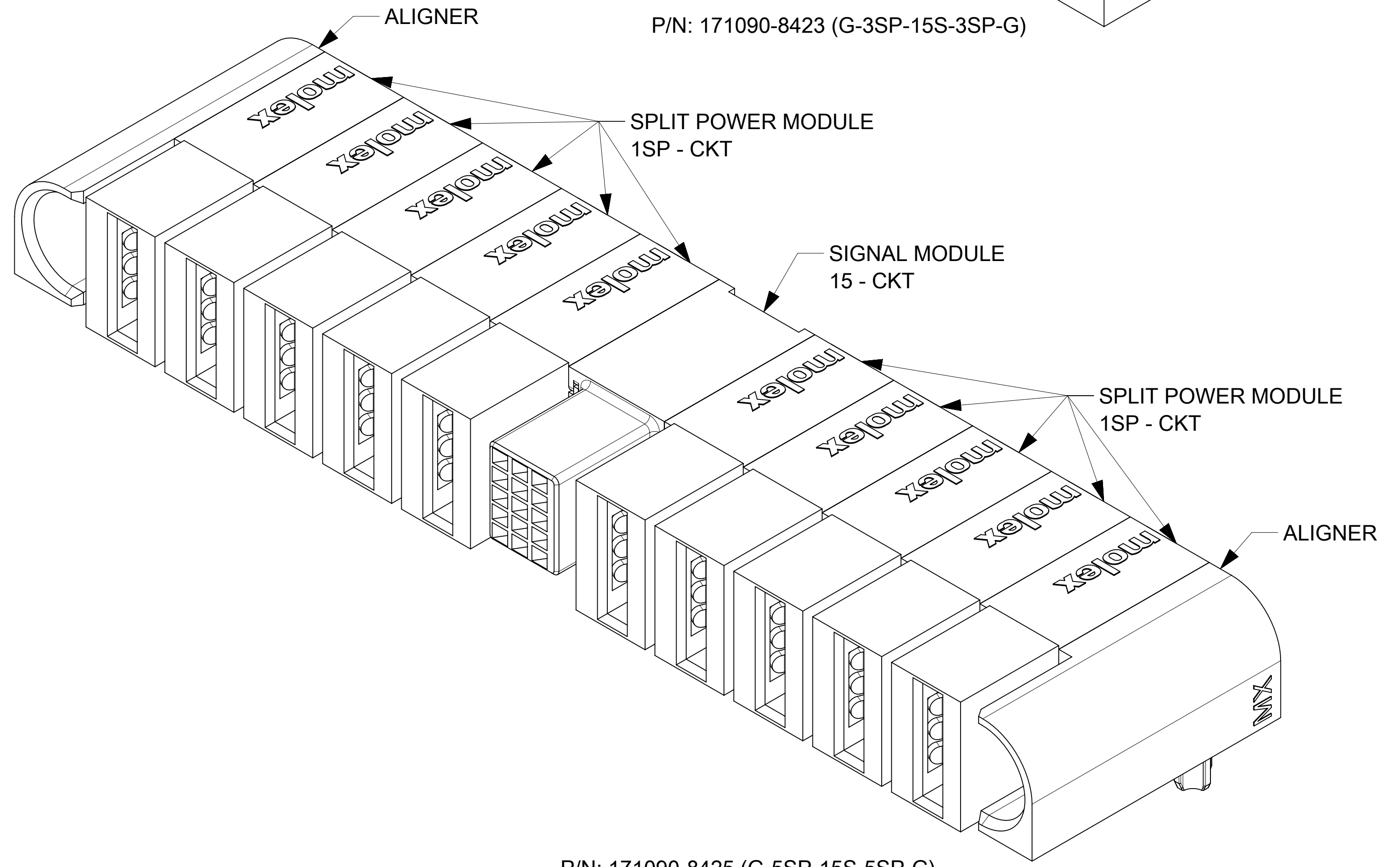
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P/N: 171090-8423 (G-3SP-15S-3SP-G)



P/N: 171090-8424 (G-4SP-15S-4SP-G)



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

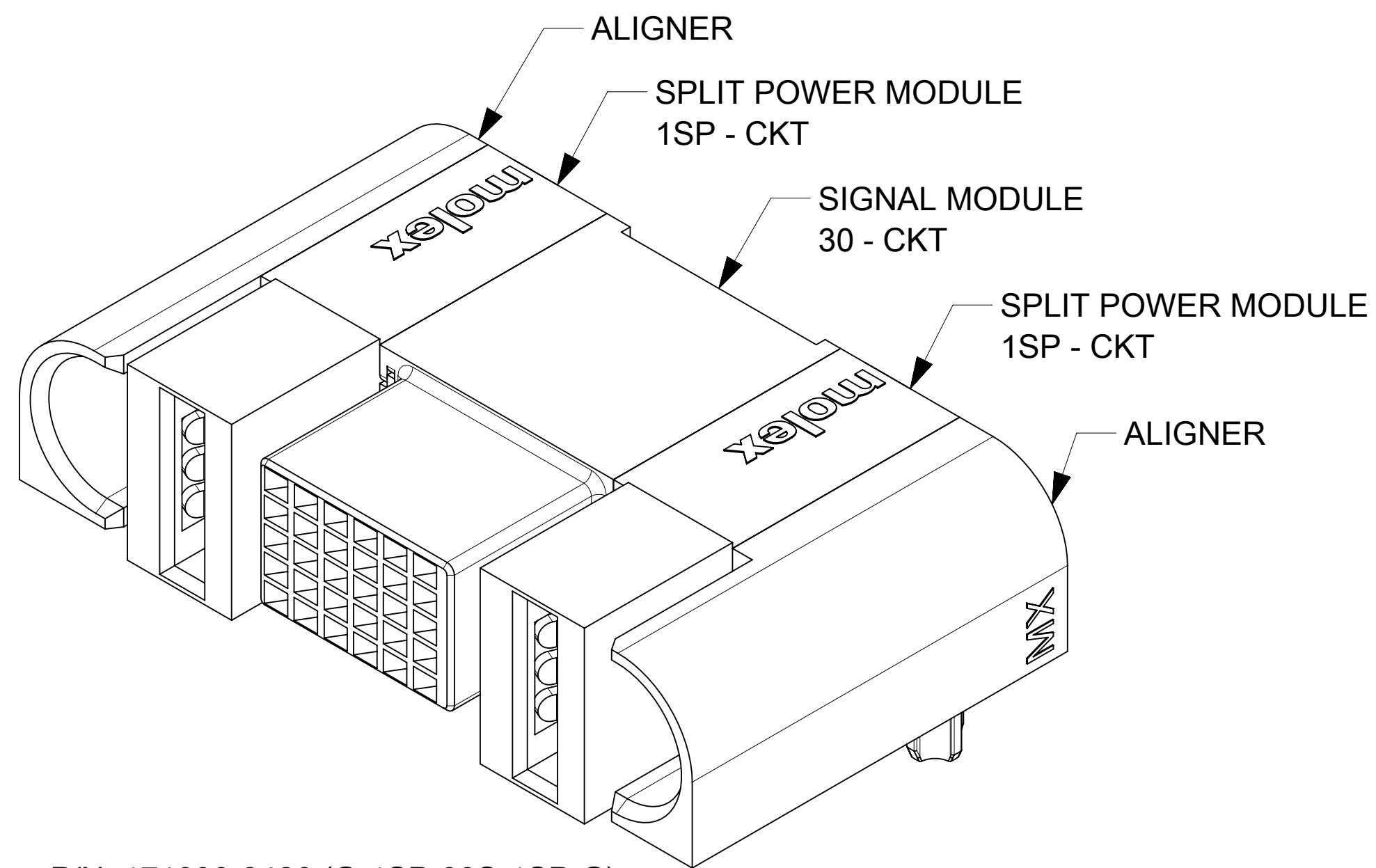
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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED ISO VIEWS					
mm		4:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 0.5°				EC NO: 689821					
4 PLACES ±				DRWN: KSUTAR		2021/12/15			
3 PLACES ±				CHK'D: GJEEVANSURES		2021/12/22			
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				SEE TABLE		GENERAL MARKET		3 OF 4	
RELEASE DATE		2022/02/14		09:02:32					

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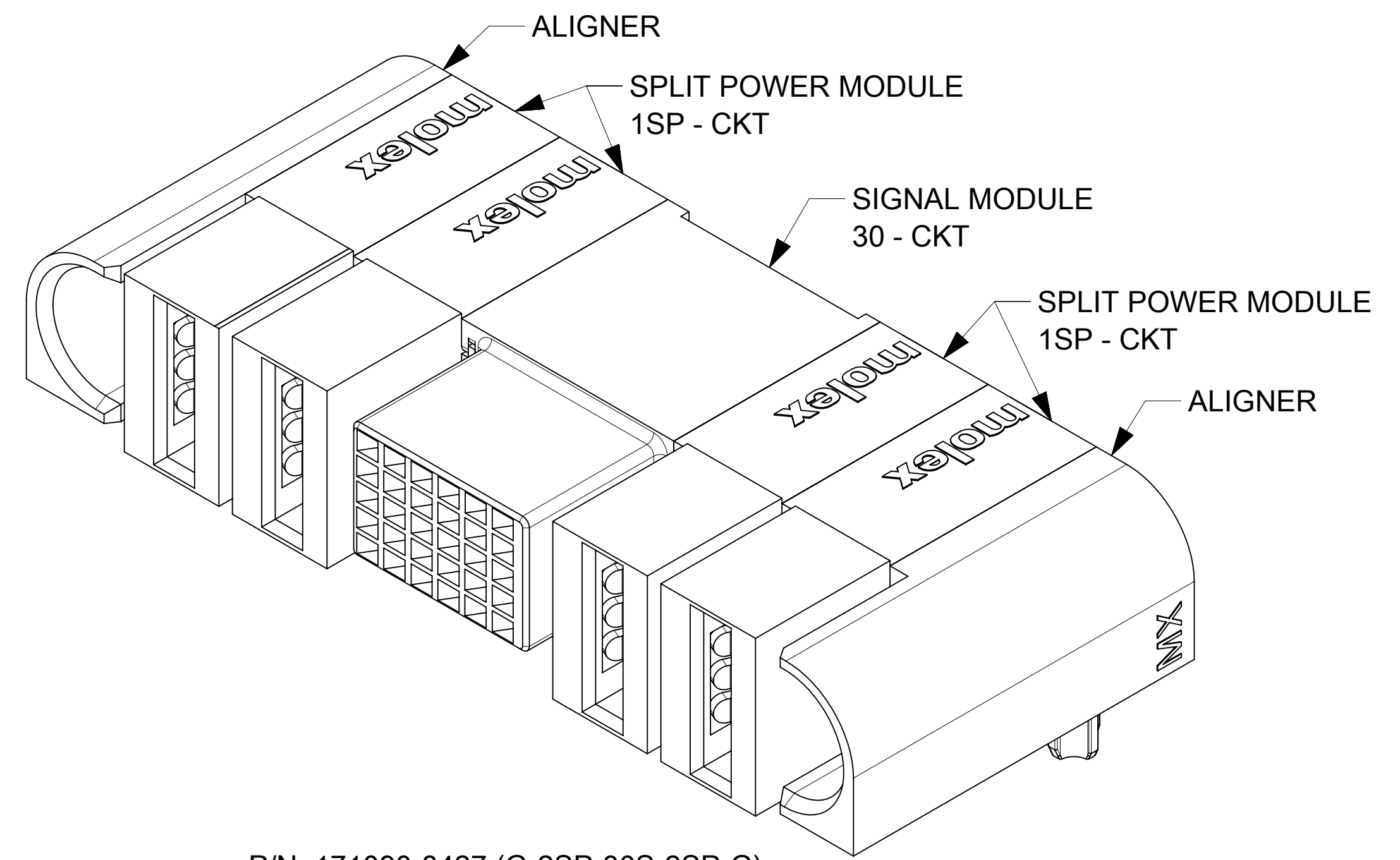
G-\*SP-\*S-\*SP-G  
R/A RECEP ASSY - TEN60 SPLIT POWER

PRODUCT CUSTOMER DRAWING

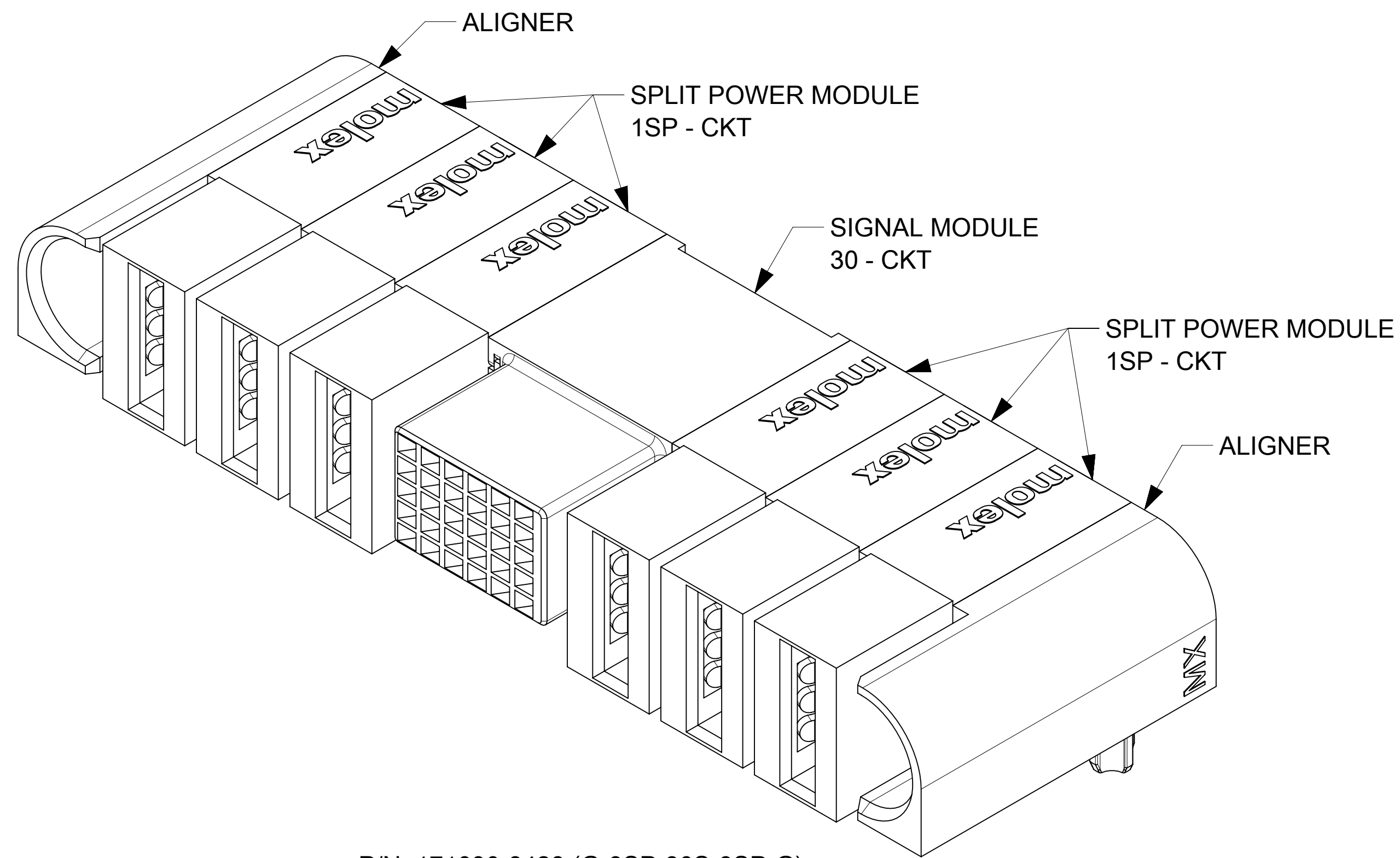
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1710908430	PSD	000	A1



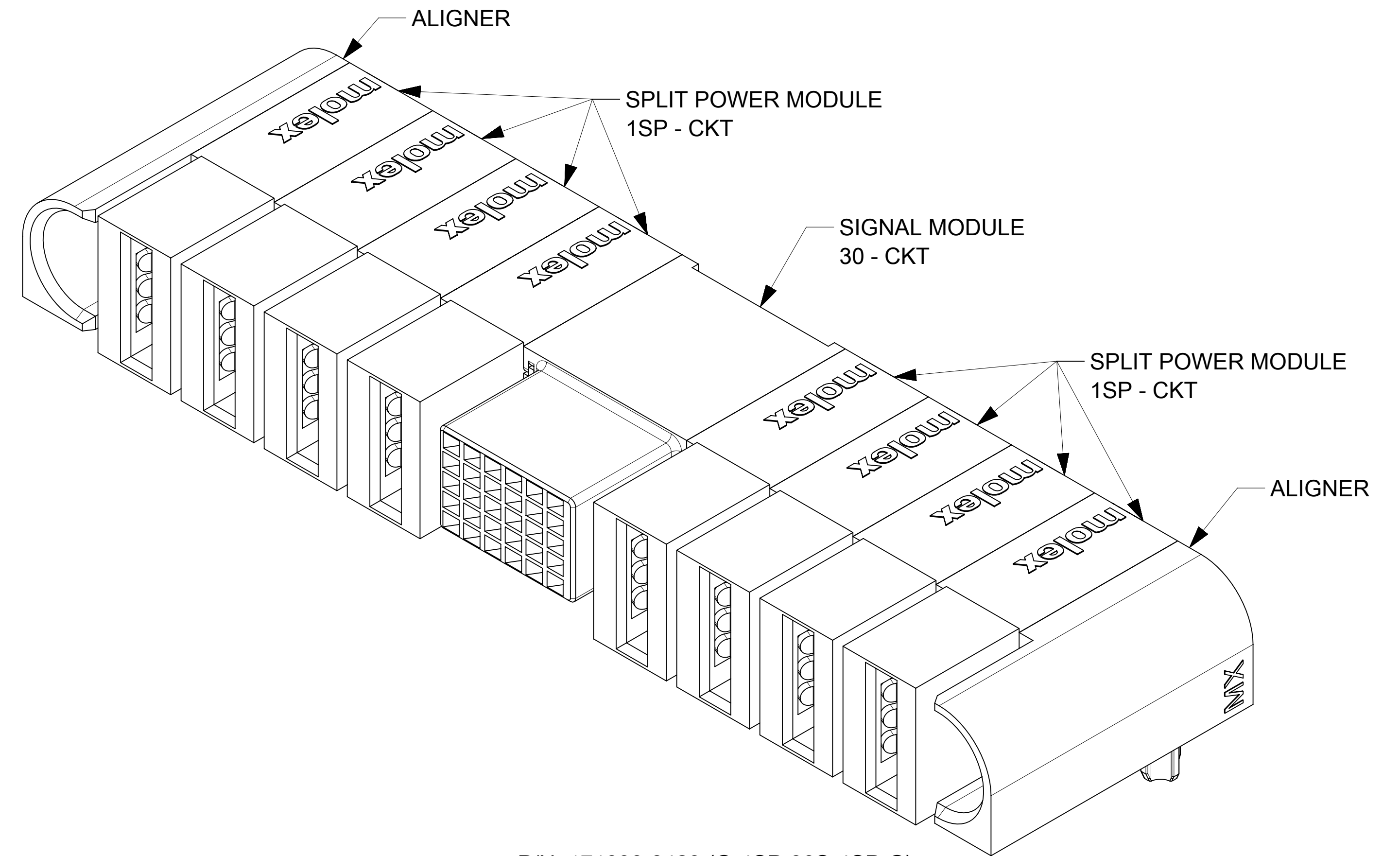
P/N: 171090-8426 (G-1SP-30S-1SP-G)



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)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED ISO VIEWS						<b>molex</b>		
mm		4:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 689821								
ANGULAR TOL ± 0.5°				DRWN: KSUTAR		2021/12/15		G-*SP-*S-*SP-G				
4 PLACES ±				CHK'D: GJEEVANSURES		2021/12/22		R/A RECEP ASSY - TEN60 SPLIT POWER				
3 PLACES ±				APPR: HTHYAGARAJ		2022/02/14		PRODUCT CUSTOMER DRAWING				
2 PLACES ± 0.13				INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1 PLACE ± 0.25				DRWN: KSUTAR		2021/09/27		1710908430		PSD	000	A1
0 PLACES ±				APPR: HTHYAGARAJ		2021/11/08		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SEE TABLE		GENERAL MARKET
				D-SIZE		171090				4 OF 4		